Section 28

Mining and Mineral Products

This section presents statistics relating to the mineral industries and mineral products. The data are arranged in four broad groupings: General summary statistics, fuels, nonmetals other than fuels, and metals. Summary measures of production and employment are presented for mining and its products. More detailed data on value and quantity of production, prices, imports and exports, consumption, and distribution are shown for specific mineral industries and products. The latter include crude minerals (coal, iron ore, etc.), minerals which have passed through certain stages of processing (refined copper, cement, etc.), and minerals extracted by methods which do not involve mining in the conventional sense (magnesium, iodine, etc.).

The principal source of these data is the *Minerals Yearbook*, which consists of three volumes—*Metals and Minerals (Except Fuels)*, *Fuels*, and *Area Reports*—published by the Bureau of Mines of the Department of the Interior. Other government sources are the Censuses of Mineral Industries conducted by the Bureau of the Census; *Statistics of Oil Pipe Line Companies*, issued annually by the Interstate Commerce Commission as Part 6 of *Transport Statistics*; and the Bureau of the Mint's *Annual Report of the Director*, which presents data on gold and silver. Nongovernment sources include the *Engineering and Mining Journal*, issued monthly by the McGraw-Hill Publishing Co., and *The Iron Age*, issued weekly by the Chilton Co.

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. Current 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 data on man-hours, active days, length of shift, and accidents.

Censuses of mineral industries were conducted by the Bureau of the Census every 10 years from 1840 to 1940. Censuses were taken again for the years 1954 and 1958; summary data from those censuses are included here. Commodity statistics on many of the manufactured mineral products are also collected by the Bureau of the Census at monthly, quarterly, or annual intervals and issued in its *Current Industrial Reports* series.

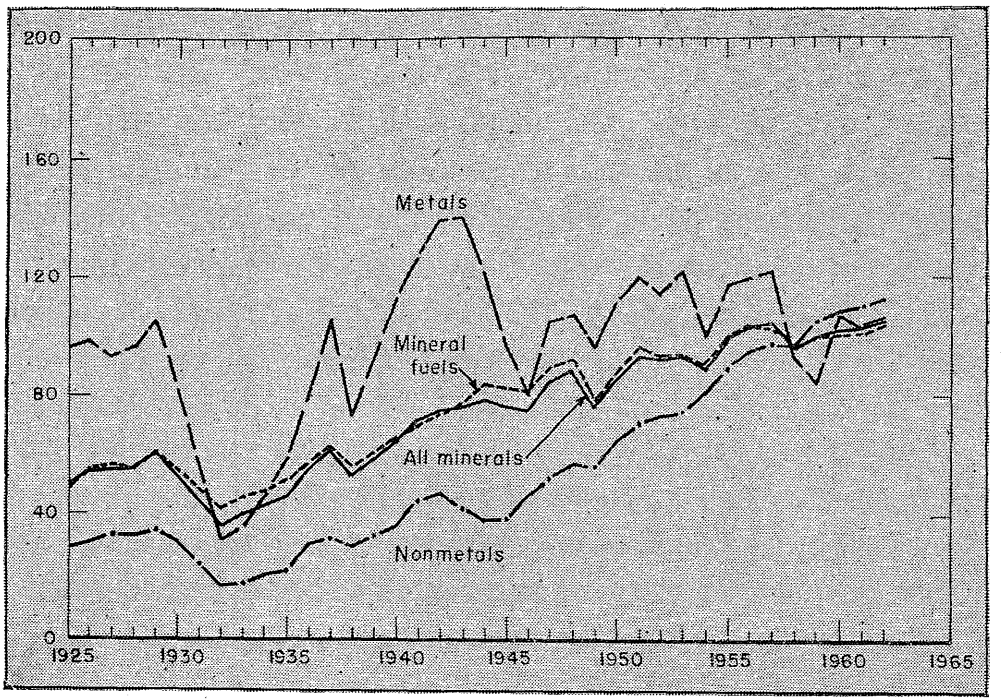
Data on mining and mineral products may also be found in other sections of this *Abstract*. For example, data on iron and steel, aluminum and magnesium, copper products, clay products, and other mineral products appear in section 30, Manufactures; and summary data for outlying areas of the U.S. appear in section 33.

In general, figures shown in the individual commodity tables include data for outlying areas, and may therefore not agree with summary table 996. Except for crude petroleum, the export and import figures include foreign trade passing through the customs districts of Alaska, Hawaii, and Puerto Rico, but exclude shipments between conterminous U.S. and outlying areas.

Alaska and Hawaii.—For a general statement concerning the treatment of data for Alaska and Hawaii, see preface. "Conterminous area" refers to the United States excluding Alaska, Hawaii, and outlying areas.

Historical statistics.—Tabular headnotes provide cross-references, where applicable, to *Historical Statistics of the United States, Colonial Times to 1957*. See preface.

FIG. XLIII. INDEXES OF THE PHYSICAL VOLUME OF MINERAL PRODUCTION: 1925 TO 1962
[1957-59=100. See table 992]



Source: Department of the Interior, Bureau of Mines.

No. 991. Value of Mineral Production: 1926 to 1962

[**In millions of dollars.** Beginning 1953, includes Alaska and Hawaii. Includes some mineral products, as cement, lime, and natural gas liquids in all years, and, through 1946, value of heavy clay products; also, value of nonferrous metals is mine quantity valued at the refined price. See also *Historical Statistics, Colonial Times to 1957*, series M 13-14, M 20, and M 30]

YEARLY AVERAGE OR YEAR	Total	Mineral fuels [1]	Nonmetals	Metals	YEAR	Total	Mineral fuels [1]	Nonmetals [2]	Metals
1926–1930	4,676	2,870	1,144	661	1951	13,529	9,779	2,079	1,671
1931–1935	2,463	1,691	520	252	1952	13,396	9,616	2,163	1,617
1936–1940	3,879	2,545	711	623	1953	14,418	10,257	2,350	1,811
1941	5,107	3,228	980	899	1954	14,067	9,919	2,630	1,518
1942	5,623	3,568	1,056	999	1955	15,792	10,780	2,957	2,055
1943	5,931	4,028	916	987					
1944	6,310	4,574	836	900	1956	17,365	11,741	3,266	2,358
1945	6,231	4,569	888	774	1957	18,113	12,709	3,267	2,137
					1958	16,529	11,589	3,346	1,594
1946	7,062	5,090	1,243	729	1959	17,241	11,950	3,721	1,570
1947	9,610	7,188	1,338	1,084	1960	17,896	12,142	3,732	2,022
1948	12,273	9,502	1,552	1,219					
1949	10,580	7,920	1,559	1,101	1961	18,131	12,358	3,846	1,927
1950	11,862	8,689	1,822	1,351	1962 (prel.)	18,728	12,724	4,073	1,931

[1] Through 1948, comprises coal, natural gas, natural gas liquids, and petroleum; beginning 1949, also includes asphalt and related bitumens, carbon dioxide, helium, and peat.
[2] Beginning 1954, adjusted to eliminate duplication in value of cement and/or lime.

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

No. 992. Bureau of Mines Indexes of the Physical Volume of Mineral Production: 1930 to 1962

[**1957–59 = 100.** Includes Alaska, Hawaii, Puerto Rico, and, beginning 1952, outlying areas of U.S. See also *Historical Statistics, Colonial Times to 1957*, series M 51–62, for indexes on 1947–49 base]

YEAR	All minerals	Metals	Nonmetals	Mineral fuels	YEAR	All minerals	Metals	Nonmetals	Mineral fuels
1930	53.5	82.5	31.3	55.0	1955	98.9	118.2	89.0	99.0
1935	46.4	58.9	21.3	51.2	1956	104.5	120.4	95.4	104.8
1940	65.1	113.1	36.6	65.8	1957	104.8	122.1	97.1	104.6
1945	76.4	97.9	38.8	82.5	1958	95.9	93.3	97.4	95.9
1950	85.2	111.8	64.2	87.1	1959	99.4	84.5	105.4	99.6
1951	93.5	120.5	70.4	95.8	1960	102.1	107.5	108.0	100.3
1952	92.1	115.8	73.0	93.8	1961	102.8	103.3	110.2	101.2
1953	93.5	122.4	74.7	94.6	1962 (prel.)	105.7	106.1	113.2	104.0
1954	89.6	100.3	80.9	90.5					

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

No. 993. Federal Reserve Board Indexes of the Physical Volume of Mineral Production: 1950 to 1962

[**1957–59 = 100.** Excludes Alaska and Hawaii. See also *Historical Statistics, Colonial Times to 1957*, series M 63–66 for indexes on 1947–49 base]

YEAR	All mining	COAL, OIL, AND GAS							METAL, STONE, AND EARTH MINERALS		
		Total	Coal			Crude oil	Gas and gas liquids	Oil and gas drilling	Total	Metal mining	Stone and earth minerals
			Total	Anthracite	Bituminous						
1950	83	85	126	197	120	77	61	77	75	91	65
1951	91	93	129	191	124	88	70	83	82	97	71
1952	91	92	114	181	108	90	75	89	80	90	74
1953	93	94	107	134	105	93	80	96	86	100	76
1954	90	92	93	121	90	91	83	104	83	82	84
1955	99	100	110	112	109	98	88	109	96	104	91
1956	105	105	117	128	116	102	95	112	103	109	98
1957	105	105	113	114	113	103	98	106	105	116	98
1958	96	96	93	98	93	96	98	95	96	95	96
1959	100	100	93	88	94	101	104	99	99	89	106
1960	102	100	94	81	95	101	113	91	111	112	110
1961	103	101	90	81	91	103	117	91	111	112	109
1962 (prel.)	105	104	94	76	96	105	121	94	111	113	110

Source: Board of Governors of the Federal Reserve System; *Industrial Production, 1957–59 Base* and *Federal Reserve Bulletin*.

No. 994. Summary of Value of Raw Materials in Constant Dollars, by Major Groups: 1940 to 1961

[**In millions of 1954 dollars.** Includes Alaska, Hawaii, and outlying areas of the U.S., except for agricultural materials. See also *Historical Statistics, Colonial Times to 1957*, series M 38-50, for minerals figures]

Item and year	All raw materials [1]	Agricultural materials			Fishery and wildlife products	Forest products	Minerals			
		Total	Crops	Livestock			Total [1]	Metallic ores [1]	Mineral fuels	Other minerals
Production:										
1940	31,315	19,459	8,010	11,449	291	2,531	8,934	1,248	6,789	897
1950	38,779	23,383	9,381	14,002	421	2,714	12,261	1,387	9,342	1,532
1955	44,753	26,899	10,965	15,934	438	2,793	14,623	1,578	10,905	2,140
1957	45,800	27,242	10,829	16,413	460	2,609	15,489	1,636	11,548	2,305
1958	45,473	28,206	12,192	16,014	454	2,586	14,227	1,229	10,701	2,294
1959	46,313	28,219	11,564	16,655	442	2,868	14,784	1,106	11,207	2,471
1960	48,184	29,728	12,733	16,995	450	2,692	15,314	1,455	11,325	2,534
1961	47,690	29,193	11,739	17,454	446	2,659	15,392	1,339	11,451	2,602
Imports:										
1940	5,934	4,218	3,651	567	247	175	1,294	945	239	110
1950	8,062	4,871	4,076	795	295	379	2,517	1,382	864	271
1955	8,644	4,726	4,151	575	336	404	3,178	1,607	1,303	268
1957	9,429	4,900	4,303	597	368	374	3,787	1,853	1,634	300
1958	9,206	4,926	4,143	783	375	383	3,522	1,436	1,825	261
1959	10,154	5,658	4,705	953	434	445	3,617	1,524	1,777	316
1960	10,036	5,490	4,698	7..2	423	429	3,694	1,498	1,902	294
1961	10,253	5,678	4,763	915	479	449	3,647	1,419	1,947	281
Exports:										
1940	2,321	1,238	1,084	154	71	90	922	430	452	40
1950	3,523	2,684	2,274	410	42	83	714	202	438	74
1955	4,208	2,975	2,296	679	62	100	1,071	379	593	99
1957	6,089	4,361	3,730	631	67	99	1,562	519	928	115
1958	4,809	3,669	3,127	542	58	91	991	374	506	111
1959	4,920	3,907	3,322	585	74	108	831	300	411	120
1960	6,294	4,949	4,360	589	75	125	1,145	610	398	137
1961	6,394	5,052	4,412	640	76	121	1,145	639	367	139
Apparent consumption: [2]										
1940	34,054	21,565	9,736	11,829	567	2,616	9,306	1,763	6,576	967
1950	43,514	25,766	11,218	14,548	674	3,010	14,064	2,567	9,768	1,729
1955	47,094	27,455	11,299	16,156	712	3,097	16,730	2,806	11,615	2,309
1957	49,271	27,911	11,424	16,487	762	2,884	17,714	2,970	12,254	2,490
1958	48,277	27,869	11,519	16,350	771	2,878	16,759	2,292	12,023	2,444
1959	50,733	29,156	12,095	17,061	802	3,205	17,570	2,330	12,573	2,667
1960	50,891	29,233	12,029	17,204	799	2,996	17,863	2,343	12,829	2,691
1961	51,586	29,855	12,305	17,550	850	2,987	17,894	2,119	13,031	2,744

[1] Excludes gold.
[2] Represents "production" plus "imports" minus "exports," except for agricultural materials, for which "consumption" is adjusted for a major portion of stock changes.

Source: Department of Commerce, Bureau of the Census; *Raw Materials in the United States Economy: 1900-1961*, Working Paper No. 6.

No. 995. Average Prices of Selected Mineral Products: 1931 to 1962

[Excludes Alaska and Hawaii, except as noted. See also *Historical Statistics, Colonial Times to 1957*, series M 91, M 134, M 199, and M 238, for bituminous coal, crude petroleum, iron ore, and lead, respectively]

Yearly average or year	Iron ore [1] (Lake Erie ports)	Copper, electrolytic [2]	Lead (New York)	Tin (New York) [3]	Zinc (St. Louis)	Aluminum, delivered [4]	Sulfur, crude (f.o.b. works)	Bituminous coal [5]	Crude petroleum [6]
	Dol. per long ton	*Cents per lb.*	*Cents per lb.*	*Cents per lb.*	*Cents per lb.*	*Cents per lb.*	*Dol. per long ton*	*Dol. per short ton*	*Dol. per barrel*
1931-1935	4.50	7.555	3.843	37.64	3.806	22.40	18.00	1.54	.83
1936-1940	4.76	10.980	5.138	48.39	5.495	20.12	17.10	1.88	1.09
1941-1945	4.47	11.779	6.355	52.01	8.095	15.37	16.00	2.64	1.19
1946-1950	6.29	19.451	13.897	85.32	11.765	16.09	17.48	4.46	2.20
1951-1955	9.36	28.877	15.330	106.00	13.610	20.96	23.88	4.75	2.66
1956-1960	11.33	32.078	13.388	99.26	11.919	25.00	24.50	4.84	2.93
1957	11.45	29.576	14.658	96.26	11.399	25.42	25.50	5.08	3.09
1958	11.45	25.764	12.109	95.13	10.309	24.79	23.50	4.86	3.01
1959	11.45	31.182	12.211	102.05	11.448	24.74	23.50	4.77	2.90
1960	11.45	32.053	11.948	101.44	12.946	26.00	23.50	4.69	2.88
1961	11.45	29.921	10.871	113.31	11.542	25.46	23.50	4.58	2.89
1962	10.65	30.600	9.631	114.65	11.625	23.88	23.50	[7] 4.51	[7] 2.89

[1] Lake Superior, Mesabi, non-Bessemer. [2] Domestic market since 1932. [3] Straits tin.
[4] Prices 1931-1955, for 99+ percent virgin ingot aluminum; beginning 1956, for 99+ percent unalloyed ingot.
[5] Average value at mine. Includes Alaska.
[6] Average value at well. Beginning 1958, includes Alaska and 1959, Hawaii. [7] Preliminary.

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

No. 996. Mineral Production, 1958 to 1961, and Principal Producing States, 1961

[**Value in thousands of dollars.** Includes Alaska and Hawaii. Data represent production as measured by mine shipments, mine sales, or marketable production (including consumption by producers). 1961 data for petroleum are preliminary. See also *Historical Statistics, Colonial Times to 1957*, series M 13-37, for selected values]

MINERAL	1958		1959		1960		1961		
	Quantity	Value	Quantity	Value	Quantity	Value	Quantity	Value	Principal producing States in order of quantity
Total mineral production		16,529,000		17,241,000		17,896,000		18,131,000	
Mineral fuels		11,589,000		11,950,000		12,142,000		12,358,000	
Asphalt and related bitumens (native):									
Bituminous limestone and sandstone—short tons	1,326,493	3,343	1,518,765	3,868	1,242,874	3,070	1,558,792	12,818	Tex., Utah, Ala., Mo.
Gilsonite—do	317,280	4,864	379,362	9,385	383,037	10,020			
Carbon dioxide, natural (estimated)—1,000 cubic feet	722,615	102	485,179	71	521,169	99	545,354	82	N. Mex., Colo., Utah, Calif.
Coal:									
Bituminous and lignite[1]—1,000 short tons	410,446	1,996,281	412,028	1,965,607	415,512	1,950,425	402,977	1,844,563	W. Va., Pa., Ky., Ill.
Pennsylvania anthracite—do	21,171	187,898	20,649	172,320	18,817	147,116	17,446	140,338	Pa.
Helium—1,000 cubic feet	352,134	5,741	375,408	6,144	475,179	7,768	551,785	10,263	Okla., Tex., N. Mex., Kans.
Natural gas—1,000,000 cubic feet	11,030,298	1,317,492	12,046,115	1,556,800	12,771,038	1,789,970	13,254,025	1,996,241	Tex., La., Okla., N. Mex.
Natural-gas liquids:									
Natural gasoline and cycle products—1,000 gallons	5,596,458	393,139	5,597,102	408,694	5,842,507	416,819	6,105,463	412,019	Tex., La., Okla., Calif.
LP-gases—do	6,783,000	296,571	7,874,706	349,802	8,444,074	391,566	9,085,465	370,186	
Peat—short tons	327,813	3,446	419,460	4,372	470,889	5,138	524,695	4,991	Mich., Ind., Wash., Calif.
Petroleum (crude)—1,000 (42-gal.) bbl	2,449,016	7,380,065	2,574,590	7,473,336	2,574,933	7,420,181	2,621,758	7,566,945	Tex., La., Calif., Okla.
Nonmetallic minerals (except fuels)[2]		3,346,000		3,721,000		3,732,000		3,846,000	
Abrasive stone[3]—short tons	4,023	305	3,672	315	2,539	240	2,495	238	
Aplite—long tons	(4)	(4)	(4)	(4)	(4)	(4)	97,485	651	Va.
Asbestos—short tons	43,979	5,127	45,459	4,391	45,223	4,231	52,814	4,347	Vt., Calif., Ariz., N.C.
Barite—do	605,402	7,508	901,815	10,301	714,276	8,574	798,785	9,315	Ark., Mo., Nev., Ga.
Boron minerals—do	528,209	38,310	619,946	46,150	640,591	47,550	602,613	46,936	Calif.
Bromine—1,000 pounds	176,397	46,689	195,483	51,508	175,010	44,637	180,798	44,517	Mich., Tex., Ark., Calif.
Cement:									
Portland—1,000 (376-lb.) bbl	317,263	1,038,672	346,675	1,144,867	321,646	1,089,134	314,821	1,048,832	Calif., Pa., Tex., Mich.
Masonry—1,000 (280-lb.) bbl							19,275	55,737	
Natural and slag—1,000 (376-lb.) bbl							269	968	
Clays—1,000 short tons	43,750	143,487	49,383	159,659	49,069	162,411	47,389	156,829	Ohio, Tex., Ga., Calif.
Emery—short tons	7,687	126	8,555	150	8,169	142	6,180	106	N.Y.
Feldspar—long tons	469,738	4,278	548,390	5,372	502,380	4,779	496,808	5,120	N.C., Calif., Conn., Ga.
Fluorspar—short tons	319,513	15,071	185,091	8,680	229,782	10,391	205,083	9,275	Ill., Ky., Nev., Colo.
Garnet (abrasive)—do	12,303	869	14,568	1,211	10,522	986	12,057	1,036	N.Y., Idaho.
Gem stones (estimated)	(5)	1,006	(5)	1,184	(5)	1,188	(5)	1,309	
Gypsum—1,000 short tons	9,600	32,495	10,900	39,231	9,825	35,690	9,500	34,950	Calif., Mich., Iowa, Tex.
Lime—do	9,203	120,921	12,498	163,890	12,935	172,731	15,192	210,127	Ohio, Mich., Mo., Pa.

See footnotes at end of table.

No. 996. Mineral Production, 1958 to 1961; and Principal Producing States, 1961—Continued

[Value in thousands of dollars]

Mineral	1958		1959		1960		1961		
	Quantity	Value	Quantity	Value	Quantity	Value	Quantity	Value	Principal producing States in order of quantity
Magnesite—short tons	492,982	2,409	594,307	2,401	498,528	2,051	603,656	3,129	Nev., Wash., Calif.
Magnesium compounds from sea water and brines (except for metals)—short tons (MgO equivalent)	207,053	16,419	276,309	21,636	293,454	21,903	356,384	25,545	Mich., Calif., Fla., N.J.
Mica:									
Scrap—do	93,347	2,065	101,541	2,665	97,912	2,698	99,044	2,417	N.C., Ga., Ala., S.C.
Sheet—pounds	661,344	2,845	706,395	3,419	571,108	3,183	480,494	3,308	N.C., N.H., S. Dak., Maine.
Perlite—short tons	291,994	2,463	324,669	2,737	312,153	2,665	310,338	2,664	N. Mex., Nev., Ariz., Calif.
Phosphate rock—1,000 long tons	14,879	93,693	15,869	98,758	17,516	117,041	18,559	130,535	Fla., Tenn., Idaho, Mont.
Potassium salts—1,000 short tons (K_2O equivalent)	2,147	75,000	2,383	80,393	2,638	89,676	2,732	104,464	N. Mex., Calif., Utah, Mich.
Pumice—1,000 short tons	1,973	5,287	2,276	5,863	2,210	5,569	2,463	6,799	Ariz., Calif., N. Mex., Hawaii.
Pyrites—1,000 long tons	974	7,987	1,057	8,148	1,016	7,936	988	7,418	Tenn., Calif., Va., Colo.
Salt (common)—1,000 short tons	21,911	141,486	25,160	155,839	25,479	161,140	25,707	160,223	La., Tex., N.Y., Mich.
Sand and gravel—do	684,498	652,789	730,205	728,712	709,792	720,432	751,784	751,301	Calif., Mich., Wis., Ohio
Sodium carbonate (natural)—short tons	628,619	17,032	735,261	19,078	808,624	20,865	805,828	20,444	Wyo., Calif.
Sodium sulfate (natural)—do	347,445	6,716	402,743	7,689	449,631	8,706	465,814	9,296	Calif., Tex., Wyo.
Stone [6]—1,000 short tons	535,923	826,685	584,163	911,982	616,784	952,555	611,938	947,359	Pa., Tex., Ill., Calif.
Sulfur:									
Frasch-process mines—1,000 long tons	4,644	109,272	5,222	121,777	5,003	115,494	5,082	117,884	Tex., La.
Other mines—do	154	1,505	152	1,418	181	1,732	178	1,694	Calif., Nev.
Talc, pyrophyllite and soapstone—short tons	718,165	4,718	791,558	5,641	734,473	5,378	761,318	5,267	N.Y., Calif., N.C., Tex.
Tripoli—do	47,044	183	52,968	219	57,713	247	54,641	225	Ill., Okla., Pa.
Vermiculite—1,000 short tons	191	2,728	207	3,082	199	3,108	206	3,350	Mont., S.C., Wyo.
Nonmetallic minerals, undistributed [7]		39,642		42,322		42,664		44,743	

Metals		1,594,000		1,570,000		2,022,000		1,927,000	
Antimony ore and concentrate, short tons (antimony content)	716	(5)	688	(5)	635	(5)	689	(5)	Idaho.
Bauxite, long tons (dried equivalent)	1,310,685	12,815	1,700,235	17,725	1,997,827	21,107	1,228,032	13,937	Ark., Ga., Ala.
Beryllium concentrate, short tons (gross weight)	505	243	425	179	509	162	[9] 1,122	(5)	Colo., S. Dak., N. Mex., N.H.
Chromite, do	143,795	6,187	[10] 105,000	[10] 3,765	[10] 107,000	[10] 3,813	[10] 82,000	[10] 2,939	Mont.
Cobalt (content of concentrate), 1,000 pounds	4,832	(5)	2,944	(5)	(5)	(5)	(5)	(5)	Pa., Mo.
Columbium-tantalum concentrate, pounds	428,347	(5)	189,263	(5)					
Copper (recoverable content of ores, etc.), short tons	979,329	515,127	824,846	506,455	1,080,169	693,468	1,165,155	699,093	Ariz., Utah, Mont., N. Mex.
Gold (recoverable content of ores, etc.), troy ounces	1,739,249	60,874	1,602,931	56,103	1,666,772	58,336	1,548,270	54,189	S. Dak., Utah, Ariz., Wash.
Iron ore, usable (excluding byproduct iron sinter), 1,000 long tons (gross weight)	66,288	569,154	59,164	514,067	82,963	724,131	72,378	650,501	Minn., Mich., Ala., Utah.
Lead (recoverable content of ores, etc.), short tons	267,377	62,566	255,586	58,786	246,669	57,722	261,921	53,956	Mo., Idaho, Utah, Colo.
Manganese ore (35 percent or more Mn), short tons (gross weight)	327,309	23,637	229,199	17,904	80,021	5,352	46,088	3,264	Nev., Mont.
Manganiferous ore (5 to 35 percent Mn), do	520,601	3,532	470,600	3,153	658,455	4,466	225,004	1,480	Minn., N. Mex., Mich., Mont.
Mercury, 76-pound flasks	38,067	8,720	31,256	7,110	33,223	7,002	31,662	6,257	Calif., Nev., Alaska, Idaho.
Molybdenum (content of concentrate), 1,000 pounds	42,328	50,371	51,603	64,655	69,941	87,406	66,753	87,925	Colo., Utah, Ariz., N. Mex.
Nickel (content of ore and concentrate), short tons	13,489	(5)	13,374	(5)	14,079	(5)	13,133	(5)	Oreg., Mo.
Rare-earth and thorium concentrates, do	2,021	286	1,143	206	(5)	(5)	(5)	(5)	Fla., Calif.
Silver (recoverable content of ores, etc.), 1,000 troy ounces	34,111	30,872	31,194	28,233	30,766	27,846	34,794	32,166	Idaho, Ariz., Utah, Mont.
Tin (content of ore and concentrate), long tons			50	60	10	12	(5)	(5)	Colo.
Titanium concentrate:									
Ilmenite, short tons (gross weight)	565,164	11,152	637,263	12,106	789,237	14,655	782,629	13,320	N.Y., Fla., Va., Idaho.
Rutile, do	1,863	210	8,648	877	9,226	957	7,664	778	
Tungsten ore and concentrate, short tons (60-percent WO_3 basis)	3,788	3,991	3,649	4,502	7,325	9,815	8,245	10,565	Calif., N.C., Colo., Mont.
Uranium ore, short tons	5,178,315	116,397	6,934,927	141,349	7,970,211	152,188	8,041,329	148,299	N. Mex., Wyo., Colo., Utah.
Vanadium (recoverable in ore and concentrate), do	3,030	10,817	3,719	13,278	4,971	17,749	5,343	19,076	Colo., Utah, Ariz., Wyo.
Zinc (recoverable content of ores, etc.), do	412,005	84,113	425,303	97,787	435,427	112,365	464,390	106,848	Tenn., Idaho, N.Y., Colo.
Metals, undistributed [11]		23,245		21,763		23,078		22,582	

[1] Includes small quantity of anthracite mined in States other than Pennsylvania.

[2] Adjusted to eliminate duplication in the value of raw materials used in manufacturing cement and lime.

[3] Grindstones, pulpstones, millstones (weight not recorded), grinding pebbles, sharpening stones, and tube-mill liners.

[4] Figure withheld to avoid disclosing individual company data; value included with "Nonmetallic minerals, undistributed."

[5] Weight not recorded.

[6] Excludes abrasive stone, bituminous limestone and sandstone, and ground soapstone, all included elsewhere in table. Includes calcareous marl and slate.

[7] Comprises value of items that cannot be disclosed: Brucite (1958–59), calcium-magnesium chloride, diatomite, epsom salts from epsomite (1961), graphite, iodine, kyanite, lithium minerals, greensand marl, nitrogen compounds (1958), olivine, staurolite (1958, 1960–61), wollastonite, and values indicated by footnote reference 4.

[8] Figure withheld to avoid disclosing individual company data; value included with "Metals undistributed."

[9] Includes 805 tons of low-grade beryllium ore.

[10] Excludes quantity and value consumed by American Chrome Company.

[11] Comprises value of items that cannot be disclosed: chromite, magnesium chloride for magnesium metal manganiferous residuum, platinum-group metals (crude, zirconium concentrate, and values indicated by footnote reference 8.

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

No. 997. Mineral Production—Value, 1950 to 1961, and Rank and Principal Minerals in Order of Value, 1961, by States

[In thousands of dollars]

State	1950	1955	1960	1961		
				Value	Rank	Principal minerals in order of value
United States	11,899,000	15,792,000	17,896,000	18,131,000	------	**Petroleum, natural gas, cement.**
N.E	50,945	73,851	90,640	94,454	------	
Maine	7,461	12,991	13,677	14,969	46	Cement, stone, sand and gravel, mica.
N.H	1,711	2,605	5,514	5,388	48	Sand and gravel, mica, stone, feldspar.
Vt	18,563	23,884	22,879	24,283	44	Stone, asbestos, sand and gravel, talc.
Mass	16,110	22,109	27,588	30,234	42	Sand and gravel, stone, lime, clays.
R.I	1,425	1,834	5,727	3,079	49	Sand and gravel, stone, gem stones.
Conn	5,675	10,428	15,255	16,501	45	Stone, sand and gravel, lime, feldspar.
M.A	1,389,613	1,243,805	1,135,137	1,079,839	------	
N.Y	156,585	216,907	255,368	228,983	18	Cement, stone, salt, sand and gravel.
N.J	46,816	57,251	56,409	59,208	37	Stone, sand and gravel, iron ore, magnesium compounds.
Pa	1,186,212	969,647	823,360	791,648	4	Coal, cement, stone, natural gas.
E.N.C	1,201,235	1,486,240	1,692,669	1,653,467	------	
Ohio	274,572	340,456	391,150	368,315	16	Coal, cement, stone, lime.
Ind	166,632	183,209	208,247	197,965	22	Coal, cement, petroleum, stone.
Ill	488,144	532,984	586,364	571,605	8	Petroleum, coal, stone, sand and gravel.
Mich	230,194	363,778	429,737	442,696	12	Iron ore, cement, petroleum, sand and gravel.
Wis	41,693	65,813	77,171	72,886	34	Sand and gravel, stone, iron ore, cement.
W.N.C	911,497	1,326,048	1,477,393	1,403,157	------	
Minn	331,567	501,151	515,255	450,509	11	Iron ore, sand and gravel, stone, cement.
Iowa	41,773	63,555	95,030	90,674	30	Cement, stone, sand and gravel, gypsum.
Mo	113,191	151,626	156,041	145,365	27	Cement, stone, lead, lime.
N. Dak	9,614	44,123	78,378	84,697	31	Petroleum, sand and gravel, coal, natural gas liquids.
S. Dak	32,716	40,526	46,780	42,980	40	Gold, cement, sand and gravel, stone.
Nebr	14,022	54,237	101,957	103,060	28	Petroleum, cement, sand and gravel, stone.
Kans	368,614	470,830	483,952	485,872	9	Petroleum, natural gas, cement, stone.
S.A	1,142,604	1,195,894	1,324,298	1,339,572	------	
Del	522	1,658	989	1,053	50	Sand and gravel, stone, clays, gem stones.
Md	22,740	35,488	55,527	62,264	36	Stone, cement, sand and gravel, coal.
D.C	60	------	71	68	------	Clays.
Va	137,806	172,541	203,887	221,835	19	Coal, stone, cement, sand and gravel.
W.Va	829,633	755,426	720,601	687,903	7	Coal, natural gas, natural gas liquids, stone.
N.C	26,338	41,210	45,096	50,124	39	Stone, sand and gravel, copper, tungsten.
S.C	11,394	20,197	30,001	30,136	43	Stone, cement, clays, sand and gravel.
Ga	43,394	60,417	91,203	95,256	29	Clays, stone, cement, sand and gravel.
Fla	70,717	108,957	176,023	190,033	23	Phosphate rock, stone, cement, clays.
E.S.C	812,281	819,457	972,956	957,928	------	
Ky	459,956	391,068	413,525	386,013	15	Coal, petroleum, stone, natural gas.
Tenn	90,405	119,316	143,475	147,262	26	Stone, cement, coal, zinc.
Ala	158,975	186,453	217,507	214,411	20	Coal, cement, stone, iron ore.
Miss	102,945	122,620	198,449	210,242	21	Petroleum, natural gas, cement, sand and gravel.
W.S.C	4,014,800	5,989,393	7,043,835	7,333,462	------	
Ark	119,642	131,759	158,263	149,138	25	Petroleum, bauxite, stone, cement.
La	693,607	1,156,424	1,987,967	2,173,442	2	Petroleum, natural gas, natural gas liquids, sulfur.
Okla	527,095	711,044	780,941	785,973	5	Petroleum, natural gas, natural gas liquids, cement.
Texas	2,674,456	3,990,166	4,116,664	4,224,909	1	Petroleum, natural gas, natural gas liquids, cement.
Mt	1,211,761	2,078,319	2,598,588	2,671,197	------	
Mont	103,625	166,993	178,854	183,354	24	Petroleum, copper, sand and gravel, cement.
Idaho	79,329	68,513	57,441	68,900	35	Silver, lead, zinc, phosphate rock.
Wyo	177,744	294,546	438,733	466,983	10	Petroleum, uranium, natural gas, sodium carbonates, sulfates.
Colo	154,898	286,219	343,104	343,256	17	Petroleum, molybdenum, coal, uranium.
N. Mex	210,294	438,549	653,226	688,908	6	Petroleum, potassium salts, natural gas, uranium.
Ariz	207,406	378,277	415,512	432,614	13	Copper, sand and gravel, cement, zinc.
Utah	229,966	332,002	431,383	406,617	14	Copper, petroleum, coal, uranium.
Nev	48,499	113,220	80,335	80,565	32	Copper, sand and gravel, iron ore, lime.
Pac	1,164,450	1,578,575	1,560,784	1,597,998	------	
Wash	49,055	67,334	70,485	73,006	33	Cement, sand and gravel, stone, lime.
Oreg	21,542	31,736	54,520	54,922	38	Stone, sand and gravel, cement, nickel.
Calif	1,056,374	1,450,501	1,404,665	1,420,749	3	Petroleum, natural gas, cement, sand and gravel.
Alaska	17,852	25,412	21,860	34,733	41	Petroleum, coal, sand and gravel, gold.
Hawaii	19,627	3,592	9,254	14,588	47	Stone, cement, sand and gravel, pumice.

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

No. 998. Principal Minerals—Net Supply and Components of Gross Supply, 1960 and 1961, and Imports Distributed by Area of Origin, 1961

[In thousands of short tons unless otherwise stated. Includes Alaska and Hawaii. Net supply is the sum of primary shipments, secondary production, and imports, minus exports. Gross supply is the total before subtraction of exports]

Commodity	Net supply		Gross supply: percent from—						Imports for consumption, 1961: percent from—				
			Primary shipments		Secondary production		Imports						
	1960	1961	1960	1961	1960	1961	1960	1961	Canada and Mexico	East and South Pacific [1]	Other Western Hemisphere	Other free world	U.S.S.R. bloc
Ferrous ores, scrap, and metals:													
Chromite (Cr_2O_3 content)	609	590	7	5			93	95					
Cobalt (content), 1,000 lb	[3] 12,410	[3] 10,673	[4]	[4]	2	2	98	98	8	[2]	[2]	98	2
Iron (equivalent) [5]	103,222	89,779	50	51	27	29	23	20	37	15	44	92	
Manganese (content)	1,292	1,023	7	4			[6] 93	[6] 96	7	1	32	4	[2]
Molybdenum (content), 1,000 lb	39,170	33,436	100	100			[2]	[2]				60	
Nickel (content)	122	146	11	9	4	4	85	87	89			11	
Tungsten ore and concentrate (W content), short tons	4,999	4,917	64	76			[6] 36	[6] 24	1	16		83	
Other metallic ores, scrap, and metals:													
Aluminum (equivalent) [7]	2,399	2,515	[8] 17	[8] 10	2	4	[9] 81	[9] 86	22		25	53	
Antimony (recoverable content)	34	34	3	5	58	56	[6] 39	[6] 39	[10] 26	[10] 7	[10] 1	[10] 66	
Cadmium (content), short tons	4,337	5,160	[11] 41	[11] 37		(4)	[6] 59	[6] 63	[12] 57	[12] 8		[12] 35	
Copper (content)	1,585	1,593	53	57	21	20	[6] 26	[6] 23	22	67	(2)	11	
Lead (content)	1,068	1,133	23	23	43	40	[6] 34	[6] 37	42	37	3	18	
Mercury, 76-lb. flasks	57,731	52,251	[13] 57	60	9	16	[6] 34	[6] 24	25	1	(2)	74	
Platinum-group metals, 1,000 troy oz	716	951	3	4	[14] 10	[14] 8	87	87	18	(2)	3	53	26
Tin (content), 1,000 long tons	65	60	(2)	(2)	19	19	81	81	(2)	4	(2)	96	
Titanium concentrates: Rutile, ilmenite and slag (TiO_2 content)	622	571	68	73			32	27	56	25		19	
Zinc (recoverable content)	999	941	43	46	7	6	[6] 50	[6] 48	69	17	2	12	
Nonmetallic minerals:													
Asbestos	709	666	6	8			94	92	93	(2)		7	
Barite, crude	1,356	1,407	53	57			47	43	46	18	3	33	
Fluorspar, finished	767	724	30	28			70	72	69			31	
Gypsum, crude	14,209	14,197	[15] 63	65			37	35	90		10	(2)	
Mica (except scrap), 1,000 lb	9,222	8,456	6	5			94	95	(2)	(2)	16	84	
Potash (K_2O equivalent)	2,337	2,268	92	90			8	10	(2)	1		96	3
Sulfur, all forms (content) [16], 1,000 long tons	5,726	5,488	90	88			10	12	100		(2)		

[1] El Salvador, Chile, Bolivia, Peru, Ecuador, New Zealand, New Caledonia, and Australia. [2] Less than 0.5 percent. [3] Secondary production and imports only.
[4] Withheld to avoid disclosing individual company data.
[5] Includes iron ore, pig iron, and scrap. [6] General imports.
[7] For 1961, includes 88 percent of bauxite mine production (rather than shipments) and imports and 92 percent of alumina imports (87 and 92 percent for 1960), both converted to estimated aluminum equivalent. [8] Mine production of bauxite.
[9] Includes ingot equivalent (weight times 0.9) of imports of scrap, largely scrap pig.
[10] Excludes antimony from foreign silver and lead ores.
[11] Primary shipments are estimated as a percentage of total primary production of metal, while imports are represented by the sum of the remaining percentage of such production plus imports of metal.
[12] Metal and flue dust only. [13] Primary production.
[14] Recovery from both old and new scrap.
[15] Estimated by adjusting production, excluding byproduct, for changes in producers' stocks. [16] For pyrites, includes sulfur content (48 percent) of production.

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

No. 999. Imports and Exports of Selected Mineral and Metal Product 1950 to 1962

[Includes trade of Alaska, Hawaii, and Puerto Rico with foreign countries]

MINERAL	QUANTITY					VALUE ($1,000)			
	Unit	1950	1960	1961	1962	1950	1960	1961	1962
IMPORTS FOR CONSUMPTION									
Fuels: Petroleum, crude	Mil. barrels	174	401	412	451	369,208	895,055	933,310	1,013,0
Nonmetallic minerals:									
Asbestos	1,000 short tons	705	669	617	68	47,284	63,345	58,942	13,9
Diamonds:									
Gem	1,000 carats	1,166	2,167	3,114	1,882	102,187	165,555	193,275	144,3
Industrial	do	11,198	13,146	14,209	12,281	37,001	51,837	68,545	51,0
Mica	1,000 short tons	19	11	7	10	23,660	8,305	7,998	9,7
Ores and concentrates:									
Bauxite	1,000 long tons	2,516	9,586	10,183	11,754	15,730	78,024	88,814	122,1
Chromite	1,000 short tons	1,304	1,387	1,329	1,446	23,299	24,313	21,476	23,7
Copper	1,000 short tons of metal	94	83	54	21	35,899	49,380	30,895	12,0
Iron ore	1,000 long tons	8,297	34,584	25,808	33,435	44,027	321,939	250,243	324,7
Lead	1,000 short tons of metal	96	138	137	134	21,184	27,911	24,370	21,1
Manganese ore	1,000 short tons	2,017	2,280	2,158	1,984	41,882	82,357	78,252	66,2
Nickel [1]	1,000 short tons of metal	27	30	15	9	18,087	20,037	14,230	9,2
Tin	1,000 long tons of metal	26	14	9	5	47,163	31,104	21,923	13,5
Tungsten	Short tons of metal	8,024	1,762	1,061	1,989	15,309	3,478	1,983	2,8
Metals (incl. scrap): [2]									
Aluminum	1,000 short tons	245	160	205	314	62,517	77,406	92,925	130,4
Copper	do	366	177	89	136	145,344	113,224	53,000	80,5
Lead [3]	do	422	221	253	263	110,644	62,417	62,052	45,9
Nickel	do	64	80	116	117	54,124	116,679	169,831	175,9
Platinum group	1,000 troy ounces	391	650	852	991	21,123	31,900	34,514	31,0
Tin [4]	1,000 long tons	86	40	40	48	155,092	87,968	98,192	103,9
Zinc	1,000 short tons	158	122	127	139	39,448	29,829	27,718	28,8
EXPORTS [5]									
Fuels:									
Anthracite	1,000 short tons	3,892	1,440	1,454	1,869	62,502	28,803	20,681	25,6
Bituminous coal	do	25,468	36,541	34,970	38,413	206,545	331,616	319,034	351,3
Petroleum, crude	1,000 barrels	34,824	3,087	3,219	1,793	102,717	8,032	8,541	5,0
Nonmetallic minerals:									
Cement, hydraulic	do	2,418	187	286	380	7,275	1,135	1,387	1,8
Phosphate rock	1,000 short tons	2,052	4,761	4,617	4,748	14,874	37,585	36,910	38,8
Potash material	do	117	833	803	861	5,534	25,026	32,477	30,8
Sulfur [6]	1,000 long tons	1,479	1,787	1,597	1,554	33,200	42,294	36,624	37,2
Metals (incl. scrap): [2]									
Aluminum [7]	Short tons	1,461	364,493	210,866	216,784	353	155,104	84,090	86,80
Copper [7]	1,000 short tons	154	615	581	386	61,281	356,628	323,001	223,81
Iron and steel, scrap [8]	do	217	8,040	9,714	5,113	6,014	241,572	353,930	149,12
Molybdenum [7]	Short tons	73	148	220	38	115	368	433	7
Nickel [7]	do	[9] 3,176	42,633	44,479	17,520	3,219	10,289	11,266	4,30
Zinc [7]	1,000 short tons	19	90	59	46	4,708	20,815	13,385	10,26

[1] Includes matte and oxide.
[2] Excludes semifabricated forms, except as noted.
[3] Includes alloys in chief value of lead.
[4] Includes alloys in chief value of tin.
[5] Includes shipments under foreign aid programs such as UNRRA, interim aid, European recovery, mutual security, and civilian supply.
[6] Includes crude (containing 85 percent or more sulfur), crushed, ground, refined, sublimed, and flowers.
[7] Includes alloys.
[8] Includes tin plated and terne plated scrap.
[9] Includes some semifabricated forms.

Source: Department of Commerce, Bureau of the Census.

No. 1000. Strategic and Critical Materials on Hand and on Order: 1962

[In thousands of dollars. As of December 31. Data indicate the acquisition cost and current market value of inventories on hand and on order of strategic and critical materials essential to military and industrial requirements in time of national emergency. Nonstockpile materials comprise materials in Government inventories not having stockpile objectives or not meeting stockpile specifications. "P.L." means Public Law]

ITEM	TOTAL INVENTORIES				INVENTORIES EXCESS TO STOCKPILE OBJECTIVES			
	On hand		On order		On hand		On order	
	Acquisition cost	Market value	Acquisition cost	Market value	Acquisition cost	Market value	Acquisition cost	Market value
Total	**8,680,505**	**7,484,249**	**96,862**	**94,908**	**4,364,015**	**3,269,397**	**89,500**	**87,494**
Stockpile grade	8,108,427	7,245,305	81,758	80,073	3,791,937	3,030,453	74,396	72,659
Nonstockpile materials	572,078	238,944	15,104	14,835	572,078	238,944	15,104	14,835
National stockpile (P.L. 520)	5,888,903	5,455,517	1,747	2,020	2,025,640	1,589,760	980	1,419
Stockpile grade	5,731,258	5,370,248	[1] 1,747	2,020	1,867,995	1,504.491	980	1,419
Nonstockpile materials	157,645	85,269	------	------	157,645	85,269	------	------
Defense Production Act (P.L. 744)	1,500,604	864,220	30,910	34,932	1,256,226	724,392	30,910	34,932
Stockpile grade	1,125,257	742,106	30,910	34,932	880,879	602,278	30,910	34,932
Nonstockpile materials	375,347	122,114	------	------	375,347	122,114	------	------
Supplemental stockpile (P.L. 480) [2]	1,229,593	1,105,986	------	------	1,045,769	920,551	------	------
Stockpile grade	1,204,986	1,088,648	------	------	1,021,162	903,213	------	------
Nonstockpile materials	24,607	17,338	------	------	24,607	17,338	------	------
Commodity Credit Corporation (P.L. 480)	61,405	58,526	64,205	57,956	36,380	34,694	57,610	51,143
Stockpile grade	46,926	44,303	49,101	43,121	21,901	20,471	42,506	36,308
Nonstockpile materials	14,479	14,223	15,104	14,835	14,479	14,223	15,104	14,835

[1] Includes materials valued at $0.2 million to be transferred from Agency for International Development account at no cost to the stockpile. Excludes $0.4 million cost of upgrading certain materials now in inventory.
[2] Includes transfer of $27.5 million from Department of Interior inventory acquired under Public Law 733.

Source: General Services Administration.

No. 1001. Strategic and Critical Materials—Defense Production Act Purchases, Inventory, and Operating Costs: 1950 to 1962

[In thousands of dollars. Covers period December 1950–December 1962 except as noted. See also headnote, table 1000]

COMMODITY	Total purchases	December 31, 1962, inventory at cost	SALES FROM INVENTORY		Operating expense	December 31, 1962, market value of inventory
			Received from sales	Government cost		
Total	**2,683,249**	**1,503,126**	**1,096,997**	**1,180,122**	**78,897**	**864,377**
Aluminum (pig)	634,716	428,841	206,005	205,876	19	381,308
Aluminum subsidy (power)	------	------	------	------	19,108	------
Aluminum (sheet)	4,783	------	5,036	4,783	75	------
Asbestos	2,103	2,103	------	------	44	1,428
Bauxite	25,304	18,168	7,685	7,136	77	16,003
Beryllium	1,966	1,425	427	541	202	853
Bismuth	52	52	------	------	------	53
Chrome	38,584	35,880	2,468	2,704	572	14,382
Cobalt	56,660	52,077	3,994	4,583	113	37,926
Columbium-tantalum	79,789	60,673	11,071	19,116	999	11,016
Columbium-tantalum subsidy	------	------	------	------	6,277	------
Copper	136,233	63,577	78,052	72,657	433	70,370
Copper subsidy	------	------	------	------	1,885	------
Cryolite	15,339	8,743	4,569	6,595	198	4,116
Fluorspar	14,962	1,394	10,279	13,568	45	806
Graphite	178	------	29	177	51	------
Lubricating graphite development	------	------	------	------	174	------
Lead	15,134	2,751	11,944	12,383	253	1,452
Magnesium	122,755	------	110,860	122,754	3,722	------
Manganese	226,348	180,393	29,344	45,956	5,342	79,648
Mercury	6,803	------	6,826	6,803	11	------
Mica	53,244	41,525	3,936	11,718	1,489	19,277
Molybdenum	39,890	------	38,457	39,890	75	------
Nickel-Nicaro	146,787	2,353	175,397	144,434	87	3,337
Nickel-other	305,689	103,125	154,205	202,564	31,574	79,644
Rutile	------	------	------	------	1,258	------
Scrap (nonferrous)	533	------	426	533	------	------
Selenium	------	------	------	------	228	------
Tin	176,593	------	175,025	176,593	17	------
Titanium	184,171	179,529	4,344	4,642	2,427	62,534
Tungsten	366,915	320,517	35,549	46,398	2,049	80,224
Zinc	27,718	------	21,669	27,718	93	------

Source: General Services Administration.

No. 1002. Mineral Industries—

[In thousands, except number of employees and workers. Excludes Alaska and Hawaii. Excludes "N.e.c." means not elsewhere classified. See also

	MINERAL INDUSTRY	VALUE OF SHIPMENTS [1]		ALL EMPLOYEES			
				Number [2]		Payroll [3]	
		1954	1958	1954	1958	1954	1958
1	**All industries**	[7] $15,489,383	$18,089,834	785,708	732,632	$3,385,722	$3,740,288
2	**Metal mining**	[7] 1,506,238	1,835,845	100,250	92,501	463,025	487,786
3	Iron ores	547,218	681,938	34,170	31,576	156,909	174,387
4	Copper ores	508,729	457,644	27,813	27,642	136,065	143,501
5	Lead and zinc ores	175,947	120,561	16,566	11,227	71,363	54,307
6	Lead ores	94,874	75,603	8,720	6,883	39,002	33,759
7	Zinc ores	81,073	44,958	7,846	4,344	32,361	20,638
8	Gold and silver ores	46,581	48,389	4,831	3,939	20,618	19,994
9	Lode gold	28,517	29,506	3,020	2,586	12,269	12,447
10	Placer gold	5,916	6,326	556	364	2,311	1,790
11	Silver ores	12,148	12,557	1,255	989	6,038	5,757
12	Bauxite	16,819	18,174	852	705	3,581	3,606
13	Ferroalloy ores	153,671	111,521	8,078	5,438	38,535	26,711
14	Manganese ores	32,398	39,385	2,604	2,099	9,292	9,036
15	Tungsten ores	60,737	14,430	2,987	638	14,758	2,907
16	Ferroalloy ores, n.e.c	60,536	57,706	2,487	2,701	14,485	14,768
17	Metal mining services	38,679	32,384	3,059	2,184	15,268	12,097
18	Miscellaneous metal ores	[7] 18,594	365,234	4,881	9,790	20,686	53,093
19	Titanium ores	12,750	17,158	843	962	3,699	4,496
20	Uranium-radium-vanadium ores	n.a.	336,451	3,467	7,939	14,568	44,422
21	Mercury ores and metallic ores, n.e.c	5,844	11,625	571	889	2,419	4,175
22	**Anthracite mining**	408,431	325,128	37,462	22,813	135,929	93,396
23	Anthracite	365,536	290,342	32,769	19,712	118,070	79,473
24	Anthracite mining services	42,895	34,786	4,693	3,101	17,859	13,923
25	**Bituminous coal and lignite mining**	2,068,183	2,423,361	218,833	187,706	874,305	912,784
26	Bituminous coal	2,040,200	2,390,677	216,813	185,676	865,649	902,759
27	Lignite	10,387	11,035	574	510	2,588	2,693
28	Bituminous coal and lignite mining services	17,596	21,649	1,446	1,520	6,068	7,332
29	**Oil and gas extraction**	[8] 9,924,339	11,636,887	315,735	312,800	1,462,443	1,699,420
30	Crude petroleum and natural gas	7,070,097	8,385,906	172,506	180,040	835,740	1,042,186
31	Crude petroleum	6,642,452	7,809,808	161,282	164,723	790,946	965,858
32	Natural gas	427,645	576,008	11,224	15,317	44,794	76,328
33	Natural gas liquids	[9] 640,422	1,625,098	17,340	16,514	85,057	96,319
34	Oil and gas field services	1,631,020	1,625,883	125,889	116,246	541,646	560,915
35	Drilling oil and gas wells	972,745	904,939	67,976	59,411	304,312	280,243
36	Oil and gas exploration services	114,815	87,215	11,488	9,557	49,467	43,649
37	Oil and gas field services, n.e.c	543,460	633,729	46,425	47,278	187,867	228,023
38	**Nonmetallic minerals mining**	1,582,192	1,868,613	113,428	116,812	450,020	546,902
39	Dimension stone [10]	18,945	15,864	3,224	2,306	8,625	7,121
40	Crushed and broken stone [11]	466,238	616,076	37,471	41,404	145,472	188,401
41	Sand and gravel [11]	466,015	560,806	36,466	37,048	147,313	172,326
42	Clay and related minerals [11]	103,768	122,738	8,232	8,773	26,504	36,157
43	Chemical and fertilizer minerals	457,586	464,612	21,609	20,556	99,391	115,976
44	Barite	18,269	13,768	1,125	929	3,874	3,402
45	Fluorspar	15,461	19,977	1,260	1,235	4,866	5,616
46	Potash, soda, and borate minerals	107,757	141,115	6,322	6,661	33,439	41,067
47	Phosphate rock	117,976	132,094	5,440	5,393	21,529	27,210
48	Rock salt	35,658	41,813	1,925	1,984	8,571	10,906
49	Sulfur	140,685	106,202	4,095	3,677	21,186	24,570
50	Chemical and fertilizer mineral mining, n.e.c	21,780	9,643	1,442	677	5,926	3,115
51	Nonmetallic minerals, services	6,571	7,934	639	1,109	2,327	3,522
52	Miscellaneous nonmetallic minerals [11]	63,069	80,583	5,787	5,616	20,388	23,399

n.a. Not available.

[1] Represents value of shipments of primary and secondary products of the industry and amount received for services performed for other establishments on a contract, fee, or other basis.

[2] Excludes proprietors and firm members of unincorporated concerns.

[3] Gross earnings paid to all employees on payroll.

[4] Represents employees up through the working foreman level engaged in manual work.

[5] Excludes paid vacations, holidays, and sick leave; includes actual overtime hours (not straight-time equivalent).

[6] Computed by subtracting cost of supplies, minerals received for preparation, purchased fuel and electric energy, contract work, and purchased machinery from the value of shipments and capital expenditures.

SUMMARY: 1954 AND 1958

establishments for which both value of production and expenditures amounted to less than $500. *Historical Statistics, Colonial Times to 1957*, series M 1-12]

PRODUCTION AND DEVELOPMENT WORKERS [4]						VALUE ADDED IN MINING [6]		CAPITAL EXPENDITURES		
Number		Man-hours [5]		Wages						
1954	1958	1954	1958	1954	1958	1954	1958	1954	1958	
647,141	564,281	1,248,898	1,077,864	$2,572,297	$2,616,273	[7] $11,546,418	$13,381,494	$2,723,756	$2,797,810	1
81,896	71,402	168,346	136,750	353,303	356,209	[7] 1,075,519	1,187,327	221,067	214,291	2
28,216	23,659	53,288	41,737	119,688	120,618	435,668	500,232	84,978	42,749	3
21,544	20,898	46,676	41,021	98,491	106,357	334,876	266,485	82,210	44,874	4
13,592	8,728	27,554	16,734	53,676	39,001	107,409	73,679	11,520	8,619	5
7,156	5,460	14,654	10,397	29,549	24,843	62,713	48,023	5,160	4,496	6
6,436	3,268	12,900	6,337	24,127	14,158	44,696	25,656	6,360	4,123	7
4,200	3,411	9,363	7,071	17,406	17,064	35,354	37,896	3,747	3,224	8
2,634	2,234	5,894	4,602	10,406	10,709	21,884	22,659	2,177	1,728	9
501	323	1,255	723	1,997	1,515	3,614	4,873	504	340	10
1,065	854	2,214	1,746	5,003	4,840	9,856	10,364	1,066	1,156	11
661	502	1,288	905	2,529	2,290	12,827	15,430	310	1,408	12
6,838	4,380	15,122	8,335	31,330	19,455	107,309	74,255	15,519	6,545	13
2,266	1,792	4,293	3,475	7,643	7,244	18,118	20,014	3,264	2,190	14
2,635	508	6,327	977	13,148	1,993	40,744	8,164	6,326	122	15
1,937	2,080	4,502	3,883	10,539	10,218	48,537	46,077	5,929	4,233	16
2,863	1,973	6,519	4,274	13,933	10,624	26,703	22,862	2,400	1,263	17
3,982	7,851	8,536	16,673	16,250	40,800	[7] 15,283	196,488	20,383	105,609	18
568	706	1,261	1,234	2,397	2,882	11,134	12,746	3,998	2,483	19
2,944	6,389	6,227	13,873	11,908	34,439	n.a.	174,802	14,793	101,565	20
470	756	1,048	1,566	1,945	3,479	4,149	8,940	1,592	1,561	21
33,026	20,047	48,266	30,867	113,932	79,425	196,835	164,489	10,494	16,591	22
28,823	17,266	42,061	26,409	98,678	67,449	167,090	142,198	7,884	12,804	23
4,203	2,781	6,205	4,458	15,254	11,976	29,745	22,291	2,610	3,787	24
199,655	163,533	325,769	267,699	764,863	760,364	1,418,384	1,609,964	118,811	188,195	25
197,819	161,711	322,410	264,308	757,175	751,684	1,396,774	1,585,541	115,761	183,967	26
505	437	901	844	2,177	2,261	9,093	9,309	639	1,432	27
1,331	1,385	2,458	2,547	5,511	6,519	12,517	15,114	2,411	2,796	28
235,483	213,935	491,718	440,102	976,595	1,010,679	[8] 7,673,694	9,035,289	2,226,316	2,189,735	29
109,792	102,445	216,581	200,930	459,955	497,571	6,129,213	7,339,922	1,898,454	1,943,493	30
101,542	92,358	201,086	181,246	430,497	452,947	5,741,256	6,823,328	1,770,683	1,707,233	31
8,250	10,087	15,495	19,684	29,458	44,624	387,957	516,594	127,771	236,260	32
13,560	13,445	27,862	26,947	63,983	75,739	n.a.	587,580	109,959	94,930	33
112,131	98,045	247,275	212,225	452,657	437,369	1,118,544	1,107,787	217,903	151,312	34
62,145	52,274	133,216	109,470	264,797	239,328	623,967	587,440	153,468	102,018	35
10,010	7,559	23,978	16,695	40,813	31,115	81,301	64,353	6,742	7,082	36
39,976	38,212	90,081	86,060	147,047	166,926	413,276	455,994	57,693	42,212	37
97,081	95,364	214,799	202,446	363,604	409,596	1,181,986	1,384,425	147,068	188,998	38
3,068	2,055	5,893	3,690	7,938	6,067	15,155	13,076	947	1,201	39
33,178	34,865	75,680	75,632	122,733	147,266	338,418	445,788	45,009	68,720	40
30,533	30,630	70,103	66,480	118,966	134,441	356,729	434,468	46,087	56,562	41
7,463	7,298	15,377	14,897	22,490	26,880	78,449	87,368	9,062	13,197	42
17,295	14,832	36,418	30,405	73,324	74,527	340,520	335,153	37,641	39,130	43
1,036	781	2,403	1,588	3,451	2,698	14,051	11,321	1,012	973	44
997	1,044	2,001	2,105	3,451	4,336	9,914	12,653	749	1,566	45
4,738	4,590	9,381	9,212	23,028	26,746	82,213	111,082	9,056	11,393	46
4,579	3,955	10,119	8,255	17,089	17,185	62,089	64,375	11,338	5,702	47
1,659	1,602	3,861	3,508	7,117	7,937	30,013	34,073	2,186	2,607	48
3,077	2,303	6,229	4,644	14,619	13,267	124,166	94,063	8,845	16,282	49
1,209	557	2,424	1,093	4,569	2,358	18,074	7,586	4,455	607	50
614	1,037	1,258	1,893	2,214	3,038	4,884	6,217	381	848	51
4,930	4,647	10,070	9,449	15,939	17,377	47,831	62,355	7,941	9,340	52

[7] Excludes figures for uranium-radium-vanadium ores industry (not available).
[8] For 1954, data were collected on the quantity but not on the cost of gas received for processing and on the value of residue gas shipped. Such costs have been estimated and included in group totals.
[9] Excludes the value of residue gas shipped.
[10] Excludes data for dimension stone quarries operated in conjunction with dressing plants.
[11] Excludes data for mining included in establishments classified in manufacturing industries.

Source: Department of Commerce, Bureau of the Census; *Census of Mineral Industries: 1958.*

No. 1003. Employment in Mineral Industries, by Industry Group: 1940 to 1961

[Excludes Alaska and Hawaii, except as noted. Excludes data on iron smelting and steel industries]

ITEM	1940	1950	1956	1958	1959	1960	1961 [1]
Men working daily [2]	801,926	1,237,649	1,113,471	1,129,638	1,106,534	1,045,111	862,094
Coal mines [3]	533,267	483,239	260,285	224,890	203,597	189,679	158,092
Anthracite (Pennsylvania)	92,420	74,616	32,507	26,540	23,294	19,051	15,792
Bituminous and lignite	440,847	408,623	227,778	198,350	180,303	170,628	142,300
Coke	19,962	24,347	20,473	16,186	16,645	16,463	13,534
Beehive	2,493	3,405	1,155	532	780	684	428
Slot-type	17,469	20,942	19,318	15,654	15,865	15,779	13,106
Petroleum and natural gas	(4)	517,787	585,486	584,708	559,244	511,107	452,721
Peat	(5)	(5)	(5)	464	467	576	765
Asphalt and related bitumens (native)	(6)	(6)	(6)	(6)	(6)	445	383
Metal mines [3]	110,340	68,292	68,273	59,608	58,557	60,595	48,044
Nonmetal mines [3 7]	9,780	11,977	15,595	17,820	18,765	18,653	14,645
Sand and gravel operations	(5)	(5)	(5)	51,122	59,492	52,352	20,203
Stone quarries [8]	79,509	85,730	80,093	88,448	91,523	95,304	66,681
Slag (iron-blast furnace)	(5)	(5)	(5)	1,882	1,789	1,680	1,682
Metallurgical plants [9]	49,068	46,277	65,681	52,109	55,655	58,689	45,786
Ore-dressing plants		14,956	19,261	19,677	19,423	22,529	16,250
Nonferrous reduction plants and smelters		31,321	46,420	32,432	36,232	36,160	29,536
Nonmetal mills	(10)	(10)	17,585	32,401	40,800	39,568	30,558
Man-days worked, 1,000 days	175,665	(4)	287,311	275,895	236,203	222,030	217,271
Coal mines [3], do	106,239	91,231	55,286	41,121	37,773	35,778	30,912
Anthracite (Pennsylvania), do	17,468	15,721	6,803	4,861	4,036	3,360	3,098
Bituminous and lignite, do	88,771	75,510	48,392	36,260	33,738	32,417	27,814
Coke, do	6,774	8,292	7,082	5,683	5,467	5,768	4,791
Beehive, do	466	714	228	67	113	95	84
Slot-type, do	6,308	7,578	6,854	5,616	5,354	5,673	4,707
Petroleum and natural gas, do	(4)	(4)	154,444	151,965	148,143	132,917	118,968
Peat, do	(5)	(5)	(5)	79	83	97	120
Asphalt and related bitumens (native)	(6)	(6)	(6)	(6)	(6)	117	98
Metal mines [3], do	26,631	18,522	18,017	13,665	12,503	14,910	11,980
Nonmetal mines [3 7], do	2,416	3,512	4,178	4,258	4,488	4,515	3,758
Sand and gravel operations, do	(5)	(5)	(5)	10,763	n.a.	n.a.	6,347
Stone quarries [8], do	19,121	23,346	21,776	23,353	n.a.	n.a.	17,434
Slag (iron-blast furnace), do	(5)	(5)	(5)	467	455	n.a.	415
Metallurgical plants [9], do	14,484	14,539	21,470	15,733	16,095	18,149	14,253
Ore-dressing plants, do		4,348	5,668	5,225	4,808	6,689	4,808
Nonferrous reduction plants and smelters, 1,000 days		10,191	15,802	10,508	11,287	11,459	9,445
Nonmetal mills, do	(10)	(10)	5,056	8,809	11,195	10,679	8,196
Man-hours worked, 1,000 hours	1,385,128	2,340,956	2,294,678	2,208,298	2,194,902	2,082,521	1,743,095
Coal mines [3], do	840,416	711,390	433,662	322,229	296,031	281,528	243,244
Anthracite (Pennsylvania), do	122,447	116,554	50,220	35,471	29,371	24,452	22,424
Bituminous and lignite, do	717,969	594,836	383,442	286,758	266,660	257,075	220,820
Coke, do	53,624	65,861	56,557	45,486	43,626	46,066	38,306
Beehive, do	3,273	5,268	1,700	516	844	712	645
Slot-type, do	50,351	60,593	54,857	44,970	42,782	45,353	37,661
Petroleum and natural gas, do	(4)	1,081,519	1,235,555	1,215,722	1,185,146	1,063,332	951,743
Peat, do	(5)	(5)	(5)	704	738	866	1,038
Asphalt and related bitumens (native), 1,000 hours	(6)	(6)	(6)	(6)	(6)	948	702
Metal mines [3], do	211,740	147,765	144,407	109,523	100,576	119,653	97,515
Nonmetal mines [3 7], do	18,988	28,456	33,963	34,648	36,334	36,805	30,766
Sand and gravel operations, do	(5)	(5)	(5)	92,456	109,830	95,749	53,959
Stone quarries [3], do	147,244	189,535	178,281	186,821	199,321	202,366	142,580
Slag (iron-blast furnace), do	(5)	(5)	(5)	3,776	3,681	3,613	3,361
Metallurgical plants [9], do	113,116	116,430	171,578	125,773	128,913	145,210	114,073
Ore-dressing plants, do		34,815	45,440	41,799	38,621	53,638	38,514
Nonferrous reduction plants and smelters, 1,000 hours		81,615	126,138	83,974	90,291	91,572	75,559
Nonmetal mills, do	(10)	(10)	40,675	71,161	90,706	86,386	65,719

n.a. Not available.

[1] Preliminary except for anthracite, coke, petroleum and natural gas, peat, native asphalt, and slag.

[2] 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.

[3] Includes Alaska.

[4] Data on petroleum and natural gas not available prior to 1942.

[5] Not available prior to 1957. Slag (iron-blast furnace) not available prior to 1958.

[6] Separate data not available prior to 1960.

[7] Beginning 1955, includes clay mines; not available for prior years.

[8] Includes manufacture of cement and lime. Beginning 1958, includes Alaska.

[9] Separate data not available for ore-dressing plants and nonferrous reduction plants and smelters prior to 1942.

[10] Data on nonmetal mills not available prior to 1955. Data on clay mills not available prior to 1956.

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

No. 1004. Injuries in Mineral Industries, by Industry Group: 1940 to 1961

[Excludes Alaska and Hawaii, except as noted. Excludes data on iron smelting and steel industries. See also *Historical Statistics, Colonial Times to 1957*, series M 259–274]

ITEM	1940	1950	1956	1958	1959	1960	1961 [1]
Fatal	1,716	952	788	656	597	603	525
Coal mines [2]	1,388	643	448	358	293	325	294
Anthracite (Pennsylvania)	184	93	56	32	47	35	19
Bituminous and lignite	1,204	550	392	326	246	290	275
Coke	15	14	10	5	3	3	3
Petroleum and natural gas [3]	(4)	109	147	116	120	82	111
Peat	(5)	(5)	(5)		1		
Asphalt and related bitumens (native)	(6)	(6)	(6)	(6)	(6)	1	1
Metal mines [2]	209	84	89	70	73	84	41
Nonmetal mines [2 7]	14	19	17	15	11	19	11
Sand and gravel	(5)	(5)	(5)	25	21	25	21
Stone quarries [8]	72	54	50	45	52	39	29
Slag (iron-blast furnace)	(5)	(5)	(5)	1	1		
Metallurgical plants [9]	18	29	20	12	11	12	8
Ore-dressing plants		7	9	3	5	5	3
Nonferrous reduction plants and smelters		22	11	9	6	7	5
Nonmetal mills	(10)	(10)	7	9	11	13	6
Nonfatal	80,856	66,729	45,454	39,925	37,750	36,044	30,801
Coal mines [2]	57,776	37,264	19,816	14,160	12,163	11,902	11,210
Anthracite (Pennsylvania)	13,782	8,874	3,330	2,124	1,723	1,401	1,295
Bituminous and lignite	43,994	28,390	16,486	12,036	10,440	10,501	9,915
Coke	544	780	301	210	222	223	193
Beehive	144	264	33	20	39	46	26
Slot-type	400	516	268	190	183	177	167
Petroleum and natural gas [3]	(4)	13,500	11,372	11,588	10,543	9,110	8,697
Peat	(5)	(5)	(5)	12	14	24	17
Asphalt and related bitumens (native)	(6)	(6)	(6)	(6)	(6)	38	30
Metal mines [2]	13,940	6,611	5,475	3,499	3,281	3,794	3,251
Nonmetal mines [2 7]	826	1,238	1,036	955	1,072	1,056	688
Sand and gravel	(5)	(5)	(5)	1,698	2,161	1,919	951
Stone quarries [8]	5,188	4,762	3,754	4,572	4,790	4,668	2,972
Slag (iron-blast furnace)	(5)	(5)	(5)	43	43	34	30
Metallurgical plants	2,582	2,574	2,543	1,698	1,305	1,482	1,384
Nonmetal mills	(10)	(10)	1,157	1,490	2,156	1,794	1,378
Injury rates per million man-hours:							
Fatal	1.24	0.41	0.34	0.30	0.27	0.29	0.30
Coal mines [2]	1.65	0.90	1.03	1.11	0.99	1.15	1.21
Anthracite (Pennsylvania)	1.50	0.80	1.12	0.90	1.60	1.43	.85
Bituminous and lignite	1.68	0.92	1.02	1.14	0.92	1.13	1.25
Coke	0.28	0.21	0.18	0.11	0.07	0.07	0.08
Petroleum and natural gas [3]	(4)	0.10	0.12	0.10	0.10	0.08	0.12
Peat	(5)	(5)	(5)		1.36		
Asphalt and related bitumens (native)	(6)	(6)	(6)	(6)	(6)	1.06	1.26
Metal mines [2]	0.99	0.57	0.62	0.64	0.73	0.70	0.42
Nonmetal mines [2 7]	0.74	0.67	0.50	0.43	0.30	0.52	0.36
Sand and gravel	(5)	(5)	(5)	0.27	0.19	0.26	0.39
Stone quarries [8]	0.49	0.28	0.28	0.24	0.26	0.19	0.20
Slag (iron-blast furnace)	(5)	(5)	(5)	0.26	0.27		
Metallurgical plants	0.16	0.25	0.12	0.10	0.09	0.08	0.07
Nonmetal mills	(10)	(10)	0.17	0.13	0.12	0.15	0.09
Nonfatal	58.37	28.51	19.81	18.08	17.20	17.31	17.67
Coal mines [2]	68.75	52.38	45.69	43.94	41.09	42.28	46.09
Anthracite (Pennsylvania)	112.55	76.14	66.31	59.88	58.66	57.30	57.75
Bituminous and lignite	61.28	47.73	42.99	41.97	39.15	40.85	44.90
Coke	10.14	11.84	5.32	4.62	5.09	4.84	5.04
Beehive	44.00	50.11	19.41	38.76	46.20	64.57	9.52
Slot-type	7.94	8.52	4.89	4.23	4.28	3.90	16.38
Petroleum and natural gas [3]	(4)	12.48	9.20	9.53	8.90	8.57	9.14
Peat	(5)	(5)	(5)	17.05	18.97	27.72	16.38
Asphalt and related bitumens (native)	(6)	(6)	(6)	(6)	(6)	40.10	37.90
Metal mines [2]	65.84	44.74	37.91	31.95	32.62	31.71	33.34
Nonmetal mines [2 7]	43.50	43.51	30.50	27.56	29.50	28.69	22.36
Sand and gravel	(5)	(5)	(5)	18.37	19.68	20.04	17.62
Stone quarries [8]	35.23	25.12	21.06	24.47	24.03	23.07	20.84
Slag (iron-blast furnace)	(5)	(5)	(5)	11.39	11.68	9.41	8.93
Metallurgical plants	22.83	22.11	14.82	13.50	10.12	10.21	12.13
Nonmetal mills	(10)	(10)	28.44	20.94	23.77	20.77	20.97

[1] Preliminary except for anthracite, coke, petroleum and natural gas, peat, native asphalt, and slag.
[2] Includes Alaska.
[3] Beginning 1956, number of fatalities and permanent total injuries at petroleum and natural gas operations are combined. Fatal-frequency rates 1956–1961 include an unknown number of permanent total injuries which cannot be separated from fatal injuries.
[4] Data on petroleum and natural gas not available prior to 1942.
[5] Not available prior to 1957. Slag (iron-blast furnace) not available prior to 1958.
[6] Separate data not available prior to 1960.
[7] Beginning 1956, includes clay mines; not available for prior years.
[8] Includes manufacture of cement and lime. Beginning 1958, includes Alaska.
[9] Separate data not available for ore-dressing plants and nonferrous reduction plants and smelters prior to 1942.
[10] Data on nonmetal mills not available prior to 1955. Data on clay mills not available prior to 1956.

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

No. 1005. Coal—Production, Consumption, Imports, and Exports: 1940 to 1961

[**Quantities in thousands of short tons and values in thousands of dollars, except as indicated.** Includes coal consumed at mines. See also *Historical Statistics, Colonial Times to 1957*, series M 88-108 and M 118-132]

ITEM	1940	1950	1956	1958	1959	1960	1961
Total coal production:							
Quantity	512,257	560,388	529,774	431,617	432,677	434,329	420,423
Value	1,084,817	2,892,772	2,648,789	2,184,179	2,137,927	2,097,541	1,984,900
BITUMINOUS COAL [1]							
Production:							
Quantity	460,772	516,311	500,874	410,446	412,028	415,512	402,977
Value, total	879,327	2,500,374	2,412,004	1,996,281	1,965,607	1,950,425	1,844,563
Average per ton	$1.91	$4.84	$4.82	$4.86	$4.77	$4.69	$4.58
Exports:							
Quantity	16,466	25,468	68,553	50,293	37,227	36,491	34,970
Value	60,832	206,545	658,537	490,008	349,521	331,616	319,034
Imports:							
Quantity	372	347	356	307	375	260	104
Value	1,501	2,369	2,885	2,546	2,433	1,844	1,360
Consumption	430,910	454,202	432,858	366,703	366,256	380,429	374,405
Number of mines	6,324	9,429	8,520	8,264	7,719	7,865	7,648
Average number of men employed [2]	439,075	415,582	228,163	197,402	179,636	169,400	150,474
Calculated capacity at 280 days per year [3] (millions of net tons)	639	790	655	625	614	609	585
Average number of days worked	202	183	214	184	188	191	193
Average tons per man:							
Per day	5.19	6.77	10.28	11.33	12.22	12.83	13.87
Per year	1,049	1,239	2,195	2,079	2,294	2,453	2,678
Percent underground production:							
Cut by machines	88.4	91.8	84.6	75.3	72.1	67.8	64.7
Mechanically loaded	35.4	69.4	84.0	84.9	86.0	86.3	86.3
Percent total production:							
Mechanically cleaned	22.2	38.5	58.4	63.1	65.5	65.7	65.7
Mined by stripping	9.2	23.9	25.4	28.3	29.4	29.5	30.3
ANTHRACITE (PA.) [4]							
Production:							
Quantity	51,485	44,077	28,900	21,171	20,649	18,817	17,446
Value, total	205,490	392,398	236,785	187,898	172,320	147,116	140,338
Average per ton	$3.99	$8.90	$8.19	$8.88	$8.35	$7.82	$8.04
Exports:							
Quantity	2,668	3,892	5,244	2,280	1,788	1,440	1,435
Value	21,210	62,502	73,535	35,762	28,931	22,803	20,681
Imports:							
Quantity	135	18	(5)	4	3	1	1
Value	976	255	1	34	22	16	10
Consumption (apparent)	49,000	39,900	24,000	19,000	18,800	17,600	15,900
Average number of men employed	91,313	72,624	31,516	26,540	23,294	19,051	15,792
Average number of days worked	186	211	216	183	173	176	196
Average tons per man:							
Per day	3.02	2.83	4.25	4.36	5.12	5.60	5.63
Per year	562	597	918	798	886	986	1,103
Quantity cut by machines	1,816	612	400	184	261	226	236
Quantity mined by stripping	6,353	11,834	8,354	6,878	7,096	7,112	7,247
Quantity loaded mechanically underground	12,326	12,336	7,308	5,332	4,701	4,044	3,378
World production, bituminous coal, lignite, and anthracite	1,983,057	1,997,388	2,479,110	2,688,504	2,776,795	2,902,071	[6] 2,874,838

[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] Beginning 1950, 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 1950, 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. Data for 1940 and 1950 not strictly comparable with later years.
[5] Less than 500 tons.
[6] Preliminary.

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

No. 1006. Coal—Production, by States: 1941 to 1961

[In thousands of short tons. Includes coal consumed at mines]

STATE	1941–1945, avg.	1946–1950, avg.	1951–1955, avg.	1956–1960, avg.	1956	1958	1959	1960	1961
Total	636,037	595,972	496,725	469,288	529,774	431,617	432,677	434,329	420,423
Anthracite (Pa.)	59,195	52,323	33,898	22,975	28,900	21,171	20,649	18,817	17,446
Bituminous and lignite	576,842	543,649	462,827	446,313	500,874	410,446	412,028	415,512	402,977
Alabama	17,783	16,278	12,176	12,413	12,663	11,182	11,947	13,011	12,915
Alaska	287	396	670	742	727	759	660	722	737
Arkansas	1,821	1,459	762	462	590	364	441	409	395
Colorado	7,830	5,360	3,554	3,394	3,502	2,974	3,294	3,607	3,678
Illinois	68,442	60,034	46,781	46,090	48,102	43,912	45,466	45,977	45,246
Indiana	25,216	21,500	16,232	15,659	17,089	15,022	14,804	15,538	15,106
Iowa	2,569	1,752	1,371	1,219	1,358	1,179	1,180	1,068	927
Kansas	3,654	2,386	1,564	823	884	823	772	888	664
Kentucky	64,020	74,791	66,426	69,038	74,555	66,312	62,810	66,847	63,032
Maryland	1,854	1,406	528	769	669	838	842	748	757
Missouri	3,947	3,720	2,873	2,898	3,283	2,592	2,748	2,890	2,938
Montana	4,245	3,017	1,805	444	846	305	345	313	371
New Mexico	1,600	1,164	476	171	158	117	148	295	412
North Dakota	2,447	2,901	[1] 2,423	2,526	2,815	2,314	2,413	2,525	2,726
Ohio	32,190	35,458	35,847	35,379	38,934	32,028	35,112	33,957	32,226
Oklahoma	2,623	3,046	2,133	1,740	2,007	1,630	1,525	1,342	1,031
Pennsylvania	138,876	120,441	89,680	74,839	90,287	67,771	65,347	65,425	62,652
Tennessee	7,184	5,520	5,923	7,086	8,848	6,785	5,913	5,931	5,860
Utah	6,012	6,613	6,025	5,642	6,522	5,328	4,545	4,955	5,159
Virginia	19,121	17,190	20,399	28,400	28,063	26,826	29,769	27,838	30,332
Washington	1,641	1,020	724	311	473	252	242	228	191
West Virginia	154,335	151,153	138,858	134,167	155,891	119,468	119,692	118,944	113,071
Wyoming	8,664	6,889	4,704	2,060	2,553	1,629	1,977	2,024	2,529
Other States	481	155	[1] 893	40	55	36	36	30	22

[1] North Dakota included with "Other States" in 1954 to avoid disclosure of individual operations.

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

No. 1007. Consumption of Bituminous Coal and Lignite, by Consumer Class and Retail Deliveries: 1940 to 1962

[In thousands of short tons. Includes Alaska. See also *Historical Statistics, Colonial Times to 1957*, series M 108-116]

YEAR	Total	Electric power utilities [1]	Bunker, foreign and lake vessels [2]	Railroads (class I) [3]	MANUFACTURING AND MINING INDUSTRIES					Retail-dealer deliveries [4]
					Beehive coke plants	Oven coke plants	Steel and rolling mills [4]	Cement mills	Other [4]	
1940	430,910	49,126	2,989	85,130	4,803	76,583	14,169	5,559	107,864	84,687
1945	559,567	71,603	3,192	125,120	8,135	87,214	14,241	4,203	126,562	119,297
1950	454,202	88,262	2,042	60,969	9,088	94,757	10,877	7,923	95,862	84,422
1953	426,798	112,283	1,839	27,735	8,226	104,648	8,764	8,167	95,160	59,976
1954	363,060	115,235	1,244	17,370	980	84,411	6,983	7,924	77,115	51,798
1955	423,412	140,550	1,499	15,473	2,869	104,508	7,353	8,529	89,611	53,020
1956	432,858	154,983	1,470	12,308	4,043	101,870	7,189	9,026	93,302	48,667
1957	413,668	157,398	1,364	8,401	3,473	104,547	6,938	8,633	87,202	35,712
1958	366,703	152,928	955	3,725	1,017	75,563	7,268	8,256	81,372	35,619
1959	366,256	165,788	969	2,600	1,827	77,354	6,674	8,510	73,396	29,138
1960	380,429	173,882	945	2,101	1,640	79,375	7,378	8,216	76,487	30,405
1961	374,405	179,629	770	[5]	1,496	72,385	7,495	7,615	77,280	27,735
1962 (prel.)	387,777	190,833	687	[5]	1,312	72,953	7,319	7,719	78,766	28,188

[1] Federal Power Commission. Represents consumption by public-utility power plants in power generation, including a small quantity of coke.

[2] 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.

[4] Estimates based on reports collected from a selected list of representative steel and rolling mills, manufacturing plants and retailers.

[5] Canvass discontinued.

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

No. 1008. Coke—Summary: 1940 to 1962

[Excludes Alaska, Hawaii, and Puerto Rico, except for exports and imports. See also *Historical Statistics, Colonial Times to 1957*, series M 117, for production]

ITEM		1940	1950	1956	1959	1960	1961	1962
Production	1,000 short tons	57,072	72,718	74,483	55,864	57,229	51,711	51,910
Oven coke	do.	54,014	66,891	71,092	54,789	56,219	50,830	51,098
Percent of total		94.6	92.0	96.7	98.1	98.2	98.4	98.4
Beehive coke	1,000 short tons	3,058	5,827	2,490	1,074	1,010	881	812
Value of products at plant	$1,000,000	438	1,289	1,719	1,306	1,382	1,223	1,228
Beehive coke	do.	13	78	35	16	15	13	12
Oven coke	do.	269	918	1,274	1,002	1,033	905	927
All coal-chemical materials	do.	156	293	410	288	334	305	289
Average market value per ton [1]	dollars	4.80	13.43	17.58	17.76	18.31	17.76	18.09
Coal charged	1,000,000 short tons	81.4	94.9	106.3	79.6	81.4	74.2	74.7
Average value per ton	dollars	3.58	8.41	9.22	9.80	9.82	9.72	9.77
Yield of coke from coal	percent	70.1	69.9	70.0	70.2	70.3	69.7	69.5
Ovens in existence end of year	number	27,884	32,690	25,582	23,441	22,903	20,926	19,622
Coke (slot type)	do.	12,734	14,982	15,923	15,993	15,320	15,224	14,535
Beehive	do.	15,150	17,708	9,659	7,448	7,583	5,702	5,087
Coke ovens under construction end of year (slot-type)	do.	492	706	631	118	372	179	75
Exports	1,000 short tons	804	398	656	460	353	445	394
Imports	do.	113	438	131	123	126	127	142

[1] For 1940 and 1950, data based on value at plant and not comparable with following years.

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

No. 1009. Coke—Oven and Beehive Production, by States: 1930 to 1962

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

STATE	1930	1935	1940	1945	1950	1956	1960	1961	1962
OVEN									
Total [1]	45,196	34,224	54,014	62,094	66,891	71,992	56,219	50,830	51,098
Alabama	3,987	1,994	4,727	5,401	5,833	5,764	4,807	3,950	4,100
Illinois	3,577	1,669	3,015	3,682	3,591	2,802	1,971	1,841	1,917
Indiana	4,985	3,768	6,413	7,814	8,256	8,920	8,024	7,667	7,927
Maryland	1,169	930	1,683	2,025	2,367	3,050	(2)	(2)	(2)
Massachusetts	863	1,006	1,130	1,149	855	608	(2)	(2)	(2)
Michigan	2,604	2,482	2,872	2,806	2,731	3,531	3,279	2,958	3,165
Minnesota	641	430	524	826	834	1,013	(2)	(2)	(2)
New Jersey	919	917	1,016	1,284	1,481	1,223	(2)	(2)	(2)
New York	3,850	4,099	5,080	5,790	5,412	3,825	(2)	(2)	(2)
Ohio	6,163	5,101	7,898	9,406	10,314	11,799	8,423	6,704	6,849
Pennsylvania	12,529	8,078	14,862	15,255	16,333	19,098	14,146	13,321	13,986
West Virginia	1,479	1,604	1,900	2,462	3,380	4,197	2,758	2,694	2,610
All other States [1]	2,430	2,146	2,894	4,194	5,495	6,161	12,721	11,695	11,435
BEEHIVE									
Total [1]	2,776	917	3,058	5,214	5,827	2,490	1,010	881	812
Pennsylvania	2,011	504	2,550	4,584	5,193	2,034	684	454	385
Virginia	220	138	198	191	198	166	[3] 326	(2)	(2)
All other States [1]	545	215	310	439	436	290	--------	427	427

[1] Excludes Alaska and Hawaii.
[2] Included in "All other States."
[3] Includes West Virginia.

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

No. 1010. Oil Wells, Number and Production, 1960 and 1961, and Number of Oil and Gas Wells Drilled, 1961 and 1962, by States

State	Producing oil wells				Wells drilled [1]							
	Approximate number, Dec. 31		Average production per well per day (barrels)		Oil		Condensate		Gas		Dry	
	1960	1961	1960	1961	1961	1962	1961	1962	1961	1962	1961	1962
Total [2]	**591,158**	**594,917**	**12.0**	**12.1**	**21,101**	**21,249**	**749**	**123**	**4,915**	**5,725**	**17,106**	**16,682**
Ark.	6,381	6,330	13.1	12.6	215	117	------	------	43	48	286	203
Calif.	37,771	38,184	22.3	21.6	1,410	1,867	------	------	157	163	428	481
Colo.	2,021	2,023	63.1	63.4	93	143	2	1	114	88	453	525
Ill.	31,995	31,911	6.6	6.6	725	727	------	------	13	11	824	768
Ind.	5,176	5,679	6.4	5.8	274	199	------	------	6	7	506	470
Kans.	40,460	40,933	7.7	7.6	2,238	1,779	2	2	324	230	1,774	1,715
Ky.	20,571	19,857	2.8	2.5	380	663	------	------	238	223	745	692
La.	24,682	24,740	45.5	47.1	1,745	2,189	150	8	482	716	1,657	2,066
Mich.	4,348	4,301	10.3	12.0	200	129	------	------	68	71	478	497
Miss.	3,086	2,819	51.5	50.7	201	199	24	6	18	20	331	378
Mont.	3,707	3,342	21.8	24.0	167	177	------	------	4	19	236	224
Nebr.	1,571	1,860	43.0	38.9	355	173	------	------	2	5	647	511
N. Mex.	14,286	15,295	21.7	20.8	905	767	5	2	435	419	461	453
N.Y.	18,579	17,829	0.3	0.2	230	148	------	------	16	43	28	51
N. Dak.	1,451	1,683	42.3	41.4	131	104	------	------	------	------	127	123
Ohio	16,743	16,682	0.9	0.9	565	568	------	------	194	261	290	284
Okla.	77,720	79,387	6.9	6.7	2,820	2,605	79	95	514	477	1,657	1,379
Pa.	66,260	63,576	0.2	0.2	237	210	------	------	212	271	77	110
Texas	192,934	196,396	13.3	13.2	7,556	7,932	479	2	1,072	1,544	5,152	4,819
Utah	796	795	137.6	114.0	90	89	3	3	35	50	124	141
W. Va.	12,560	12,762	0.5	0.6	118	167	------	------	857	952	126	142
Wyo.	7,475	7,880	50.3	50.6	377	262	5	4	95	80	506	467
Other States [2]	585	653	42.0	13.4	69	35	------	------	16	27	193	183

[1] Figures from *The Oil and Gas Journal*. [2] Includes Alaska.

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

No. 1011. Petroleum, Crude—Production, 1946 to 1962, and Reserves, 1960 and 1962, by States

[**In thousands of barrels of 42 gallons.** See also *Historical Statistics, Colonial Times to 1957*, series M 133 and M 137]

State	Production						Proved reserves [1] (December 31)	
	1946–1950, avg.	1951–1955, avg.	1956–1960, avg.	1956	1960	1962 (prel.)	1960	1962
Total [2]	**1,885,325**	**2,338,809**	**2,566,539**	**2,617,283**	**2,574,933**	**2,676,185**	**31,613,000**	**31,389,000**
Arkansas	30,220	29,284	29,110	29,355	30,117	27,585	302,000	247,000
California	329,694	357,955	323,674	350,754	305,352	296,572	3,659,000	3,648,000
Colorado	18,462	38,693	51,229	58,516	47,469	42,460	364,000	388,000
Illinois	66,619	65,516	78,754	82,346	77,341	77,325	556,000	460,000
Indiana	8,038	11,630	11,929	11,513	12,054	11,709	66,000	61,000
Kansas	104,542	116,976	120,151	124,204	113,453	112,076	884,000	862,000
Kentucky	9,592	12,873	20,117	17,628	21,147	18,122	129,000	109,000
Louisiana	177,009	250,082	341,341	299,421	400,832	483,101	4,785,000	5,087,000
Michigan	16,501	12,551	11,311	10,740	15,899	17,117	78,000	75,000
Mississippi	36,237	36,190	44,110	40,824	51,673	54,471	407,000	388,000
Montana	8,835	12,067	27,397	21,760	30,240	31,648	267,000	249,000
Nebraska	------	6,110	20,574	16,204	23,825	24,850	86,000	94,000
New Mexico	44,144	67,924	98,848	87,893	107,380	108,708	1,084,000	1,065,000
New York	4,563	3,691	2,194	2,748	1,813	1,789	32,000	23,000
North Dakota	------	4,785	16,166	13,495	21,992	25,164	431,000	404,000
Ohio	3,296	3,667	5,581	4,785	5,405	5,066	75,000	77,000
Oklahoma	149,305	193,708	204,445	215,862	192,913	198,563	1,791,000	1,728,000
Pennsylvania	12,317	10,173	7,010	8,230	6,009	5,225	108,000	97,000
Texas	811,726	1,015,829	1,004,260	1,107,808	927,479	936,508	14,758,000	14,648,000
West Virginia	2,777	2,724	2,213	2,179	2,300	3,345	51,000	56,000
Wyoming	49,660	82,527	117,989	104,830	133,910	145,167	1,427,000	1,297,000
Other States [2]	1,788	3,854	28,136	6,188	46,330	49,614	273,000	326,000

[1] From Reports of Committee on Petroleum Reserves, American Petroleum Institute. Figures for California, Louisiana, and Texas include offshore reserves. [2] Beginning 1959, includes Alaska, and 1960, Hawaii.

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

No. 1012. Crude Petroleum, Refined Products, and Natural-Gas Liquids—Production and Stocks: 1930 to 1962

[**Barrels of 42 gallons.** Excludes Alaska and Hawaii, except as noted. See also *Historical Statistics, Colonial Times to 1957*, series M 133-136 and M 168-177]

ITEM	1930	1940	1950	1956	1959	1960 [1]	1961 [1]	1962 [1]
Crude petroleum:								
Domestic production—mil. bbl.	898	1,353	1,974	2,617	2,575	2,575	2,622	2,676
Value at wells—mil. dol.	1,070	1,385	4,963	7,297	7,473	7,420	7,566	7,769
World production—mil. bbl.	1,412	2,144	3,803	6,125	7,133	7,674	8,188	8,865
U.S. proportion of world total—percent	64	63	52	43	36	34	32	30
Imports [2]—mil. bbl.	62	43	178	342	352	372	382	411
Exports [2]—do	24	51	35	29	3	3	3	2
Stocks, end of period:								
Gasoline-bearing crude—do	409	265	248	266	257	240	245	252
California heavy crude—do	([3])	12						
Runs to stills—do	927	1,294	2,095	2,905	2,918	2,953	2,987	3,070
Average price per barrel at wells—dol.	1.19	1.02	2.51	2.79	2.90	2.88	2.89	2.90
Refined products:								
Imports [2]—mil. bbl.	43	41	133	184	207	203	318	348
Exports [2]—do	133	79	76	129	75	71	60	60
Stocks, end of period [4]—do	[3] 254	281	327	494	526	516	543	553
Output of motor fuel—do	441	617	1,024	1,429	1,489	1,522	1,534	1,582
Yield of gasoline—percent	42.0	43.1	43.0	43.4	44.9	45.2	44.7	44.8
Completed refineries, end of year	435	556	357	319	310	311	311	308
Daily crude-oil capacity—mil. bbl.	3.9	4.7	7.0	9.1	9.9	10.0	10.1	10.1
Average dealer's net price (excl. tax) of gasoline in 50 U.S. cities [5] cents per gal.	14.49	9.08	15.10	16.34	16.09	16.08	15.80	15.45
Natural-gas liquids:								
Production—mil. bbl.	53	56	182	293	321	340	362	371
Stocks, end of period—do	2	6	7	21	25	29	37	32

[1] Includes Alaska and Hawaii.
[2] Excludes trade between Alaska (prior to 1959), Hawaii, Puerto Rico, and foreign countries. Exports include shipments from conterminous U.S. to Alaska, Hawaii, and outlying areas.
[3] Figure for California heavy crude included in refined products.
[4] Beginning 1956, new basis; not comparable with earlier years.
[5] Beginning 1956, figures from Platt's Oilgram Price Service; prior years from American Petroleum Institute.

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

No. 1013. Petroleum—Runs to Stills and Refinery Products, by Class: 1950 to 1962

[**In millions of barrels of 42 gallons.** Excludes Alaska and Hawaii, except as noted. See also *Historical Statistics, Colonial Times to 1957*, series M 152-167]

PRODUCT	1950	1956	1958	1959	1960	1961	1962 (prel.)
Input	2,190	3,040	2,927	3,071	3,119	3,157	3,252
Crude petroleum	2,095	2,905	2,789	2,918	[1] 2,953	2,987	3,070
Domestic	1,919	2,564	2,444	2,566	[1] 2,582	2,604	2,660
Foreign	176	341	345	352	371	383	410
Natural-gas liquids	95	135	137	153	167	169	183
Output	2,190	3,040	2,927	3,071	3,119	3,157	3,252
Gasoline [2]	998	1,397	1,412	1,473	1,510	1,514	1,571
Kerosene	119	123	110	111	136	141	156
Distillate fuel oil	399	666	631	679	667	696	720
Residual fuel oil	425	427	363	348	332	316	296
Jet fuel		66	74	93	88	95	102
Lubricants	52	59	51	56	59	59	61
Wax (1 bbl.=280 lb.)	4	5	5	6	6	6	5
Coke (5 bbl.=1 s. ton)	17	31	38	41	60	75	79
Asphalt (5.5 bbl.=1 s. ton)	58	91	89	98	99	102	110
Road oil	7	8	6	6	6	6	7
Still gas (1 bbl.=3,600 cu. ft.)	84	122	126	127	129	128	131
Liquefied gases	29	52	58	69	78	79	77
Other finished products	5	12	19	22	24	26	30
Other unfinished oils (net) [3]	7	4	32	26	22	21	28
Shortage [4]	1	16	23	32	53	65	64

[1] Includes part-year operations of 1 refinery in Hawaii.
[2] Includes crude gasoline.
[3] Negative quantities; represent net excess of unfinished oils rerun over unfinished oils produced.
[4] Negative quantities.

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

No. 1014. Natural Gas—Production, Consumption, and Value: 1930 to 1961

[Excludes Alaska and Hawaii, except as noted. See also *Historical Statistics, Colonial Times to 1957*, series M 138-147]

ITEM	1930	1940	1950	1956	1959	1960 [1]	1961 [1]
Total marketed production [2]—bil. cu. ft.	1,943	2,660	6,282	10,082	12,046	12,771	13,254
Value (at wells) of gas produced—mil. dol.	147	120	409	1,084	1,557	1,790	1,996
Average per 1,000 cu. ft.—cents	7.6	4.5	6.5	10.8	12.9	14.0	15.1
Number of producing gas wells, Dec. 31	55,020	53,880	64,900	74,261	83,225	90,761	96,809
Total consumption—bil. cu. ft.	1,942	2,655	6,026	9,707	11,820	12,509	13,082
Residential—do	296	444	1,198	2,328	2,913	3,103	3,249
Commercial—do	81	135	388	717	975	1,020	1,077
Industrial—do	1,565	2,076	4,440	6,662	7,932	8,386	8,756
Value (at point of consumption) of gas consumed—mil. dol.	416	577	1,604	4,025	5,642	6,270	6,667
Residential—do	201	316	826	2,126	2,946	3,209	3,475
Commercial—do	39	64	184	465	703	791	838
Industrial—do	176	197	593	1,433	1,993	2,270	2,354
Average per 1,000 cu. ft.—cents	21.4	21.7	26.6	41.5	47.7	50.1	51.0
Residential—do	67.8	71.1	69.0	91.3	101.1	103.4	107.0
Commercial—do	47.8	47.8	47.6	64.9	72.1	77.5	77.8
Industrial—do	11.3	9.5	13.4	21.5	25.1	27.1	26.9
Number of consumers:							
Residential—1,000	5,035	9,245	16,906	27,887	30,692	31,148	32,052
Commercial—do	413	741	1,347	2,255	2,608	2,584	2,641

[1] Includes Alaska.
[2] Beginning 1950, comprises gas sold or consumed by producers, including losses in transmission, amounts added to storage, and increases in gas in pipelines.

No. 1015. Natural-Gas Liquids—Production and Value: 1930 to 1961

[Excludes Alaska and Hawaii. See also *Historical Statistics, Colonial Times to 1957*, series M 148-151]

ITEM	1930	1940	1950	1956	1959	1960	1961
Total produced—mil. gal.	n.a.	n.a.	7,642	12,295	13,472	14,287	15,191
Natural gasoline and natural-gasoline mixtures—mil. gal.	2,210	2,174	3,229	[1] 4,439	[1] 4,222	[1] 4,479	[1] 4,666
Liquefied petroleum gases—do	n.a.	n.a.	3,036	6,487	7,875	8,444	9,085
Cycle products—do	----------	166	1,378	1,368	1,375	1,363	1,439
Value at plants:							
Natural gasoline—$1,000	128,160	[2] 68,261	213,810	316,646	[1] 290,311	[1] 313,058	[1] 311,966
Liquefied petroleum gases—do	n.a.	n.a.	97,773	265,185	349,802	391,566	370,186
Cycle products—do	----------	(2)	108,022	115,312	118,383	103,761	100,053
Average value per gallon, all light products—cents	[3] 5.8	[3] 2.9	5.5	5.7	5.6	5.7	5.1
Natural gas processed—bil. cu. ft.	2,089	2,471	5,342	8,590	9,187	9,703	10,262
Average yield, all light products gal. per 1,000 cu. ft.	n.a.	n.a.	1.43	1.43	1.47	1.46	1.48

n.a. Not available. [1] Includes isopentane; included in LP-gases for prior years.
[2] Cycle products included with natural gasoline. [3] Excludes LP-gases.

Source of tables 1014 and 1015: Department of the Interior, Bureau of Mines; *Minerals Yearbook*.

No. 1016. Estimates of Natural Gas Reserves: 1950 to 1962

[**In billions of cubic feet.** Beginning 1961, includes Alaska. Volumes calculated at a pressure base of 14.65 pounds per square inch, absolute, and at a standard temperature of 60° F. See also *Historical Statistics, Colonial Times to 1957*, series M 142, for estimated reserves]

YEAR	NATURAL GAS ADDED DURING YEAR			Net increase in underground storage	Net production during year	Estimated proved reserves as of end of year	Increase over previous year
	Total	Extensions and revisions	Discoveries of new fields and new pools in old fields				
1950	12,050	9,172	2,877	54	6,893	185,593	5,211
1955	22,017	16,298	5,719	88	10,118	223,697	11,987
1956	24,851	19,215	5,636	134	10,908	237,775	14,077
1957	20,117	11,118	8,999	180	11,502	246,569	8,795
1958	19,000	13,389	5,611	58	11,485	254,142	7,573
1959	20,734	14,933	5,801	161	12,441	262,597	8,455
1960	13,970	7,333	6,637	283	13,090	263,759	1,162
1961	17,260	10,315	6,945	160	13,452	267,728	3,969
1962	19,590	13,257	6,333	160	13,712	273,766	6,038

Source: American Gas Association, New York, N. Y.; yearbook, *Gas Facts*.

No. 1017. Natural Gas—Production, 1930 to 1961, and Reserves, 1956 and 1961, by States

[In billions of cubic feet]

State	Natural gas—marketed production [1]						Natural gas reserves [2]	
	1930	1940	1950	1956	1960	1961	1956	1961
Total [3]	1,943	2,660	6,282	10,082	12,771	13,254	237,775	267,728
Arkansas	19	14	48	30	55	60	1,172	1,477
California	335	352	558	504	518	556	8,751	9,104
Colorado	3	3	11	54	107	108	2,423	2,171
Illinois	3	8	13	6	12	10	220	104
Kansas	38	90	364	526	634	649	17,566	19,190
Kentucky	28	53	73	74	75	71	1,246	1,127
Louisiana	278	343	832	1,886	2,988	3,272	45,054	66,029
Michigan	2	13	11	11	21	28	362	667
Mississippi	(4)	6	114	185	172	173	2,403	2,848
Montana	10	26	39	26	33	34	696	596
Nebraska	(5)	(5)	(4)	14	15	16	225	164
New Mexico	9	64	213	626	799	790	23,473	14,758
North Dakota	(5)	(5)	1	12	19	20	397	949
Ohio	63	41	43	25	36	36	854	734
Oklahoma	348	258	482	679	824	893	13,775	17,351
Pennsylvania	89	91	91	105	114	100	776	1,169
Texas	518	1,064	3,126	5,000	5,893	5,964	112,729	119,830
Utah	(5)	(5)	4	17	51	57	620	2,030
West Virginia	144	189	190	205	209	211	1,562	2,019
Wyoming	43	27	62	84	182	195	3,236	4,127
Other States [3]	13	19	5	13	12	13	235	1,277

[1] For 1930 and 1940, amount used by ultimate consumer only; thereafter comprises gas sold or consumed by producers, including losses in transmission, amounts added to storage, and increases in gas in pipelines.
[2] 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.
[3] Beginning 1960, includes Alaska.
[4] Less than 500 million cubic feet.
[5] Included with "Other States."

No. 1018. Consumption of Fuel Oils and Natural Gas, by Major Consumer Groups: 1950 to 1961

[Fuel oils in thousands of barrels of 42 gallons; natural gas in billions of cubic feet. Beginning 1959, includes Alaska, and 1960, Hawaii]

Type of fuel	Total	Railroads	Vessels	Gas and electric power plants	Smelters, mines, and manufactures	Space heating and cooking	Military	Oil and gas company fuel	Miscellaneous
Distillate fuel oil:									
1950	395,306	48,703	12,872	13,207	37,121	235,740	6,553	5,692	35,418
1955	581,127	84,668	16,675	5,884	43,606	356,589	10,945	8,597	54,163
1958	653,559	83,719	18,768	5,382	37,553	412,670	13,412	7,815	74,240
1959	658,992	87,802	19,250	5,005	33,380	415,521	11,304	8,642	77,098
1960	683,325	86,490	18,730	4,742	34,271	438,010	10,793	8,347	81,942
1961	690,874	85,180	14,566	4,151	31,062	456,062	11,484	8,743	79,626
Residual fuel oil:									
1950	554,208	60,878	92,947	93,062	148,111	72,716	28,333	53,263	4,898
1955	556,983	15,018	115,128	75,966	173,030	86,282	28,368	53,387	9,804
1958	531,367	5,772	106,269	76,995	143,142	105,039	37,428	46,463	9,059
1959	554,352	5,613	102,049	82,208	167,701	111,850	31,415	46,177	7,339
1960	550,536	5,610	94,084	85,408	157,270	125,088	31,724	45,061	6,291
1961	542,986	5,347	87,308	87,881	153,766	121,097	36,762	44,399	6,426
Natural gas:									
1950	6,026	--------	--------	[1] 629	[2] 2,672	1,586	--------	1,708	--------
1955	9,070	--------	--------	[1] 1,153	[2] 3,939	2,753	--------	2,378	--------
1958	10,761	--------	--------	[1] 1,373	[2] 4,576	3,586	--------	2,598	--------
1959	11,820	--------	--------	[1] 1,627	[2] 5,093	3,888	--------	2,839	--------
1960	12,509	--------	--------	[1] 1,724	[2] 5,484	4,123	--------	2,902	--------
1961	13,082	--------	--------	[1] 1,825	5,725	4,326	--------	3,031	--------

[1] Source: Federal Power Commission. Includes gas other than natural gas, therefore excluded from total.
[2] Includes natural-gas component of gas used in gas and electric power plants.

Source of tables 1017 and 1018: Department of the Interior, Bureau of Mines; *Minerals Yearbook*.

No. 1019. Petroleum Asphalt and Road Oil—Supply, Distribution, Stocks, and Shipments 1945 to 1962

[**In thousands of short tons.** Beginning 1959, includes Alaska; imports and exports include Alaska, Hawaii, and Puerto Rico for all years]

ITEM	1945	1950	1955	1958	1959	1960	1961	1962
SUPPLY AND DISTRIBUTION								
Petroleum asphalt:								
Production	7,127	10,589	15,113	16,251	17,753	17,940	18,513	19,923
Imports (including natural)	147	324	605	1,360	1,250	1,117	1,204	1,207
Exports	212	144	285	248	188	168	115	159
Stocks, end of year	693	962	1,413	1,774	1,991	2,362	2,363	2,591
Apparent domestic consumption [1]	6,973	10,669	15,325	17,491	18,598	19,036	19,601	20,743
Road oil:								
Production	471	1,260	1,542	1,077	1,181	1,085	1,058	1,287
Stocks, end of year	67	72	102	76	119	135	138	159
Apparent domestic consumption [2]	*438*	*1,255*	*1,519*	*1,108*	*1,138*	*1,069*	*1,055*	*1,266*
SHIPMENTS								
Paving products:								
Asphalt cements	n.a.	n.a.	5,867	7,957	8,914	8,736	9,163	9,949
Cutback asphalts	n.a.	n.a.	4,039	4,402	4,534	4,502	4,640	4,705
Emulsified asphalts	n.a.	n.a.	861	1,025	1,132	1,435	1,515	1,669
Road oil	n.a.	n.a.	1,460	1,165	1,143	1,177	1,083	1,109
Roofing products:								
Asphalt cements and fluxes	n.a.	n.a.	3,490	3,094	3,293	3,516	3,630	3,839
Emulsified asphalts	n.a.	n.a.	12	7	6	9	6	3
Miscellaneous products:								
Asphalt cements and fluxes	n.a.	n.a.	1,366	1,635	1,839	1,800	1,690	1,864
Emulsified asphalts	n.a.	n.a.	45	59	56	55	65	68

n.a. Not available.
[1] Production, plus imports, less exports, and plus or minus change in stocks.
[2] Production, plus or minus change in stocks.

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

No. 1020. Cement—Summary: 1930 to 1962

[**Barrels of 376 pounds.** Beginning 1940, includes Puerto Rico, and 1960, Hawaii; imports and exports include Alaska, Hawaii, and Puerto Rico for all years. See also *Historical Statistics, Colonial Times to 1957*, series M 178-179]

ITEM	1930	1940	1950	1956	1959	1960	1961	1962 (prel.)
Production of finished cement—1,000 bbl	162,989	132,751	230,272	333,472	355,734	334,134	338,628	351,478
Portland—do	161,197	130,216	226,026	316,438	339,091	319,009	324,114	336,320
Prepared masonry—do	n.a.	n.a.	n.a.	15,906	16,205	14,557	14,289	14,958
Natural, slag, and hydraulic lime—1,000 bbl	[1] 1,792	[1] 2,535	[1] 4,246	1,128	438	568	225	200
Active plants:								
Portland—number	163	152	150	160	172	176	175	178
Natural, slag, and hydraulic lime—number	11	12	9	6	4	4	4	4
Shipments—1,000 bbl	160,846	132,864	231,975	325,659	352,067	327,089	335,374	346,992
Value—$1,000	231,250	193,465	545,951	1,003,298	1,161,849	1,103,680	1,122,870	1,133,614
Per barrel—dollars	1.44	1.46	2.35	3.08	3.30	3.37	3.35	3.27
Portland—1,000 bbl	159,059	130,350	227,756	308,678	335,452	312,292	320,751	331,964
Prepared masonry—do	n.a.	n.a.	n.a.	15,898	16,174	14,249	14,354	14,808
Natural, slag, and hydraulic lime—1,000 bbl	[1] 1,787	[1] 2,514	[1] 4,219	1,074	441	548	269	220
Stocks at mills, Dec. 31 (finished portland cement)—1,000 bbl	25,899	23,365	13,119	22,395	31,465	35,640	36,361	38,511
Imports—do	985	538	1,410	4,456	5,265	4,108	3,621	5,230
Exports—do	756	1,668	2,418	1,981	277	187	286	400
World production (estimate)—1,000 bbl	416,880	474,927	781,500	1,377,428	1,724,585	1,866,277	1,997,319	2,129,152

n.a. Not available.
[1] Includes masonry cement from natural, slag, and hydraulic lime plants.

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

No. 1021. Portland Cement—Production, by States: 1930 to 1962

[In thousands of barrels of 376 pounds]

STATE	1930	1940	1950	1956	1959	1960	1961	1962 (prel.)
Total [1]	**161,197**	**130,217**	**226,026**	**316,438**	**339,091**	**319,009**	**324,114**	**336,320**
Alabama	4,821	5,122	10,372	12,969	13,461	11,935	12,837	12,842
California	10,124	14,216	26,277	39,547	43,635	39,892	41,165	43,820
Illinois	7,935	4,975	7,924	8,823	9,560	9,270	8,757	9,068
Iowa	7,088	4,606	7,416	10,944	13,147	12,527	12,786	11,859
Kansas	6,012	3,433	8,616	10,486	10,177	7,996	8,329	8,217
Michigan	11,511	8,603	12,967	20,485	21,561	20,971	21,661	23,127
Missouri	7,809	4,968	9,778	12,441	13,610	12,606	11,940	12,229
New York [2]	10,373	8,437	14,196	19,631	18,610	20,134	18,061	20,211
Ohio	8,632	6,664	10,607	15,723	18,028	16,850	15,059	15,468
Pennsylvania	37,844	26,853	38,646	50,358	41,208	37,170	36,591	39,573
Tennessee	3,875	3,808	6,685	8,386	8,688	7,926	8,729	8,819
Texas	6,782	7,375	17,150	25,655	27,111	23,190	24,889	26,332
Other States [1]	38,393	31,156	55,392	80,990	100,295	98,542	103,310	104,755

[1] Beginning 1940, includes Puerto Rico; beginning 1960, includes Hawaii.
[2] Beginning 1950, includes Maine.

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

No. 1022. Sand and Gravel—Quantity Sold or Used by Producers, and Value: 1930 to 1961

[Beginning 1940, includes Alaska and Hawaii; 1940 and 1950, includes Puerto Rico. See also *Historical Statistics, Colonial Times to 1957*, series M 183, for total]

ITEM	1930	1940	1950	1956	1959	1960	1961
Sand and gravel—1,000 short tons	197,052	238,308	370,455	624,860	730,205	709,792	751,784
Building—do	46,605	68,036	132,873	219,327	237,427	230,994	236,068
Paving—do	84,176	143,158	204,242	343,653	418,175	388,950	420,502
Other—do	[1] 66,271	[1] 27,114	[1] 33,340	61,880	74,603	80,848	94,614
Value—$1,000	[1] 115,177	[1] 110,688	[1] 295,040	595,116	728,712	720,432	751,301
Average per ton—dollars	.58	.46	.80	.95	1.00	1.01	1.00
Commercial sand—1,000 short tons	[1] 81,754	[1] 63,930	[1] 124,982	212,602	231,554	234,139	240,346
Value—$1,000	[1] 48,894	[1] 40,526	[1] 120,350	234,221	266,457	271,265	275,099
Average per ton—dollars	.60	.63	.96	1.10	1.15	1.16	1.14
Noncommercial (government-and-contractor) sand—1,000 short tons	1,905	14,744	13,918	21,889	37,631	31,517	42,990
Value—$1,000	828	4,806	5,961	11,644	22,074	22,334	28,450
Average per ton—dollars	.43	.33	.43	.53	.59	.71	.66
Commercial gravel—1,000 short tons	95,126	67,326	132,574	257,218	303,369	288,756	299,209
Value—$1,000	58,475	37,745	120,974	267,822	332,188	318,145	324,185
Average per ton—dollars	.61	.56	.91	1.04	1.09	1.10	1.08
Noncommercial (government-and-contractor) gravel—1,000 short tons	18,267	92,308	98,981	133,151	157,651	155,380	169,239
Value—$1,000	6,980	27,612	47,755	81,429	107,993	108,688	123,567
Average per ton—dollars	.38	.30	.48	.61	.69	.70	.73

[1] Excludes ground sand.

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

No. 1023. Stone—Quantity Sold or Used by Producers, and Value, by Kind and by Use: 1930 to 1961

[Includes Alaska and Hawaii for all years except 1955; Puerto Rico for 1930, 1940, and 1950; and Panama Canal Zone and islands administered by the U.S. for 1955]

Variety and use	Quantity sold or used (1,000 short tons) [1]						Value ($1,000)		
	1930	1940	1950	1955	1960	1961	1950	1960	1961
Total	**127,460**	**154,206**	**252,425**	**471,251**	**[2] 616,784**	**[2] 611,938**	**404,106**	**[2] 952,555**	**[2] 947,359**
KIND									
Granite	10,048	10,880	21,935	26,079	42,748	44,058	50,697	89,654	93,870
Basalt and related rocks	14,532	15,716	22,895	35,851	57,884	62,776	34,373	87,699	95,576
Sandstone [3]	4,594	6,499	9,101	13,108	21,013	23,386	23,787	48,771	49,114
Marble	477	240	267	1,092	1,644	1,592	10,932	31,060	30,960
Limestone [4]	88,741	112,658	180,919	361,524	451,253	438,253	252,756	623,437	608,139
Other stone	8,604	7,740	16,378	17,706	21,493	22,274	16,514	27,642	29,004
Shell				15,131	18,934	18,004		33,706	30,375
Slate	464	473	930	760	532	496	15,047	9,233	9,334
USE									
Dimension stone	4,491	2,261	2,021	2,674	2,257	2,315	65,272	86,009	88,093
Building stone	3,555	1,897	1,565	2,129	1,694	1,721	43,509	59,360	61,908
Rough	1,422	555	554	811	578	550	6,815	8,965	8,837
Dressed	900	281	675	876	738	690	29,850	43,988	45,930
Rubble	1,066	916	247	375	330	424	615	1,743	2,143
Roofing and mill-stock slate	167	145	89	67	48	57	6,229	4,664	4,998
Monumental	291	196	237	235	221	226	17,062	19,254	18,770
Paving blocks	294	19	4	6	31	76	51	131	295
Curbing	262	71	78	121	157	149	2,430	3,929	3,859
Flagging	89	78	137	183	154	143	2,220	3,335	3,261
Crushed and broken stone	122,969	151,945	250,404	468,577	614,527	609,623	338,834	866,546	859,266
Riprap	4,292	5,264	6,898	10,286	23,863	27,084	7,807	32,468	33,694
Concrete and road-stone	74,293	92,814	146,496	254,588	387,084	387,107	191,534	520,669	523,398
Railroad ballast	12,818	7,454	18,614	15,871	11,158	7,883	17,520	12,780	10,155
Furnace flux	17,091	22,872	35,970	40,068	31,878	27,623	37,932	46,312	41,220
Refractory stone	1,197	1,741	2,158	1,169	749	2,431	5,849	6,082	6,156
Agricultural	2,542	8,724	19,349	18,360	22,804	22,444	30,393	39,260	38,857
Portland and natural cement (limestone, cement rock, and shell)	n.a.	n.a.	n.a.	84,209	85,551	85,314	n.a.	91,964	91,942
Lime and dead-burned dolomite	n.a.	n.a.	n.a.	16,409	19,724	19,544	n.a.	30,850	30,065
Other uses	10,736	13,076	20,919	27,617	31,716	30,193	47,799	86,161	83,779

n.a. Not available.
[1] Quantities of stone not sold by short tons are expressed in approximate equivalents in short tons.
[2] Includes calcareous marl (1,283,000 tons valued at $1,353,000 in 1960 and 1,099,000 tons valued at $987,000 in 1961) excluded in distribution by kind of stone.
[3] Beginning 1955, includes ground sandstone, quartz, and quartzite for abrasives and other uses.
[4] Beginning 1955, includes limestone, cement rock, and dolomite used in making cement, lime, and dead-burned dolomite.

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

No. 1024. Lime—Production, by Type and Use: 1940 to 1961

[Includes Hawaii and Puerto Rico. See also *Historical Statistics, Colonial Times to 1957*, series M 181-182]

Item		1940	1950	1956	1959	1960	1961
Active plants	number	314	168	153	156	158	259
Quantity sold or used by producers	1,000 short tons	4,887	7,478	10,577	12,508	12,935	15,193
Value	$1,000	33,956	83,248	135,727	164,211	172,748	210,141
Per ton	dollars	6.95	11.13	12.83	13.13	13.35	13.83
Open-market lime	1,000 short tons	4,548	7,022	9,004	8,405	8,190	8,313
Captive tonnage lime [1]	do	339	456	1,573	4,103	4,746	6,880
By type:							
Quicklime	do	2,633	3,834	5,967	7,756	8,271	10,577
Hydrated	do	1,386	1,885	2,186	2,766	2,715	2,633
Dead-burned dolomite	do	868	1,759	2,424	1,986	1,949	1,983
By use:							
Agricultural	do	365	333	252	196	187	198
Building	do	1,010	1,249	1,203	1,315	1,209	1,224
Chemical and industrial	do	2,644	4,137	6,698	9,011	9,591	11,788
Refractory (dead-burned dolomite)	do	868	1,759	2,424	1,987	1,949	1,983

[1] Incomplete; only partial coverage of captive plants prior to 1961.

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

No. 1025. Gypsum—Supply, Sales, Imports, and Exports: 1945 to 1962

[Quantities in thousands of short tons; values in thousands of dollars. Excludes Alaska, Hawaii, and Puerto Rico, except for imports and exports. See also *Historical Statistics, Colonial Times to 1957*, series M 180, for gypsum mined]

ITEM	1945	1950	1956	1959	1960	1961	1962
Active establishments [1]	75	87	88	93	96	98	102
Crude gypsum: [2]							
Mined	3,812	8,193	10,317	10,900	9,825	9,500	9,969
Imported	509	3,219	4,346	6,132	5,301	4,967	5,421
Apparent supply	4,320	11,412	14,663	17,035	15,106	14,467	15,390
Calcined gypsum produced:							
Quantity	[3] 2,485	7,341	8,608	9,268	8,591	8,246	8,819
Value	[3] 14,474	60,480	91,336	111,740	120,984	118,145	127,436
Gypsum products sold, total value [4]	60,149	205,383	321,652	388,335	361,190	358,811	302,292
Uncalcined uses:							
Quantity	1,148	2,218	3,259	3,989	3,716	3,899	4,047
Value	3,433	7,912	13,173	16,109	15,486	16,161	17,089
Industrial uses:							
Quantity	158	266	334	311	284	258	269
Value	2,326	4,530	7,310	7,087	6,362	6,328	6,745
Building uses, value	54,390	192,940	301,169	365,139	339,342	336,322	368,458
Gypsum and gypsum products:							
Imported for consumption, value [5]	549	3,584	8,546	13,196	10,426	10,306	10,490
Exported, value	1,503	1,046	1,216	1,296	1,293	1,299	1,736

[1] Each mine, plant, or combination mine and plant is counted as 1 establishment.
[2] Excludes byproduct gypsum.
[3] Includes production from small quantity of byproduct gypsum.
[4] Made from domestic, imported, and byproduct gypsum.
[5] Data for 1945 and 1950 not comparable with following years.

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

No. 1026. Sulfur, Pyrites, and Other Sulfur-Containing Raw Materials—Production, Imports, and Exports: 1940 to 1962

[Quantities in 1,000 long tons; values in thousands of dollars except average. Excludes Alaska, Hawaii, and Puerto Rico, except for imports and exports. See also *Historical Statistics, Colonial Times to 1957*, series M 185–189]

ITEM	1940	1950	1956	1960	1961	1962
Production:						
Sulfur, all forms [1]	3,227	5,986	7,818	6,661	7,170	6,751
Sulfur from Frasch mines	2,732	5,192	6,424	4,943	5,385	4,985
Recovered elemental sulfur (sulfur content)	4	142	465	767	856	900
Pyrites (gross weight)	627	931	1,070	1,016	987	916
Sulfur content	262	393	432	416	399	373
Value	1,920	4,059	10,062	7,936	7,418	6,706
Byproduct sulfuric acid [2] (sulfur content)	213	216	348	345	332	355
Shipments, Frasch mines	2,559	5,505	5,676	5,003	5,083	4,917
Approximate value	40,900	104,000	150,356	115,494	117,884	107,069
Average value per long ton	15.98	18.89	26.49	23.08	23.19	21.78
Imports for consumption:						
Sulfur, ore and other (gross weight)	28	[3]	212	741	832	1,049
Pyrites (gross weight)	407	209	[4] 73	306	282	302
Exports, sulfur [5]	766	1,479	1,675	1,787	1,596	1,554

[1] In addition to forms of recovery cited below, covers sulfur ore and other byproduct sulfur compounds (hydrogen sulfide and liquid sulfur dioxide).
[2] Produced at copper, lead, and zinc plants.
[3] Less than 500 tons.
[4] In addition, an estimated 293,000 long tons was imported from Canada.
[5] Crude, crushed, ground, refined, sublimed, and flowers.

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

No. 1027. Salt—Production, by States and by Kind, and Exports and Imports: 1930 to 1962

[**In thousands of short tons.** Production figures represent sales plus quantities used by producers; they include Puerto Rico and, 1955 through 1958 and 1961, Hawaii. Exports and imports include Alaska, Hawaii, and Puerto Rico. Imports are imports for consumption. See also *Historical Statistics, Colonial Times to 1957*, series M 28 and M 190, for production and value]

YEAR	Production	Exports	Imports	YEAR	Production	Exports	Imports
1930	8,054	70	54	1957	23,854	391	651
1940	10,360	147	30	1958	21,910	363	611
1945	15,394	191	5	1959	25,163	424	1,025
1950	16,630	190	8	1960	25,481	420	1,057
1955	22,704	407	186	1961	25,707	642	1,050
1956	24,216	336	368	1962	28,807	665	1,374

STATE AND KIND	1940	1950	1955	1956	1959	1960	1961	1962
Production	10,360	16,630	22,704	24,216	25,163	25,481	25,707	28,807
By State:								
California	469	868	1,315	1,444	1,388	1,443	1,601	1,643
Kansas	684	846	911	1,004	1,123	[1] 933	[1] 913	[1] 944
Louisiana	1,133	2,279	3,563	3,704	4,807	4,792	4,722	5,248
Michigan	2,863	4,447	4,975	5,548	4,485	4,088	3,885	4,274
New York	2,118	2,807	3,780	3,873	4,011	4,008	4,149	4,456
Ohio	2,080	2,515	2,905	2,972	2,858	3,108	3,465	4,187
Texas	402	1,852	3,583	3,963	4,519	4,756	4,695	5,553
Utah	71	117	196	184	209	231	249	311
West Virginia	144	368	638	681	811	920	899	1,042
Other States	395	531	839	844	952	1,202	1,129	1,149
By kind:								
Evaporated (manufactured)	2,783	3,329	3,987	4,028	3,980	4,104	4,387	4,643
In brine	5,312	9,373	13,424	14,565	15,023	14,911	14,881	16,438
Rock salt	2,266	3,927	5,293	5,623	6,160	6,466	6,439	7,726
Total value [2] ..$1,000..	26,475	59,911	123,389	36,240	155,877	161,214	160,223	174,842

[1] Brine included in "Other States."
[2] F.o.b. mine or refinery; excludes cost of cooperage or containers.

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

No. 1028. Iron Ore—Summary: 1930 to 1962

[**In thousands of long tons, except as indicated.** Excludes Alaska, Hawaii, and Puerto Rico, except for imports and exports. See also *Historical Statistics, Colonial Times to 1957*, series M 195–206]

ITEM	1930	1940	1950	1956	1959	1960	1961	1962
Production	58,409	73,696	98,045	97,877	60,276	88,784	71,329	71,797
By district:								
Lake Superior	49,383	61,471	79,627	77,817	43,950	71,792	53,207	55,556
Southeastern	5,838	[1] 7,444	7,508	6,035	4,350	4,365	3,539	3,153
Northeastern	2,249	3,560	4,475	4,867	3,669	4,125	4,048	4,584
Western	939	[1] 1,221	5,861	8,073	4,356	4,583	4,850	7,889
Undistributed and byproduct ore	n.a.	n.a.	575	1,085	3,951	3,918	5,683	614
By type of ore:								
Hematite	55,266	68,870	87,156	81,144	44,236	[2] 68,147	50,883	[3] 46,219
Brown ore	720	935	2,615	3,202	2,381	1,641	1,473	[3] 3,901
Magnetite	2,421	3,891	7,699	12,446	12,867	18,205	18,295	[3] 21,063
Undistributed and byproduct ore (pyrites cinder and sinter)	[4] 1	[4] 1	575	1,085	791	791	676	614
Number of mines	208	230	247	342	233	247	206	197
Shipments [5]	55,201	75,198	97,764	97,924	59,164	82,963	72,379	69,965
Value [5] ..$1,000..	145,619	189,087	487,990	759,728	514,067	724,131	650,500	618,326
Average value per ton at mine	$2.64	$2.51	$4.99	$7.76	$8.69	$8.73	$8.99	$8.84
Stocks at mines, Dec. 31	10,383	3,614	5,726	5,465	7,358	12,337	10,626	11,642
Imports	2,775	2,479	8,281	30,411	35,617	34,578	25,805	33,410
Value ..$1,000..	8,113	6,205	43,968	250,490	312,447	321,919	250,226	325,928
Exports	752	1,386	2,551	5,508	2,967	5,273	4,916	5,898
Value ..$1,000..	2,734	4,625	15,717	48,805	33,831	57,899	53,823	62,833
World production (estimate)	175,600	208,700	247,000	390,300	431,360	512,329	497,610	494,000

n.a. Not available.
[1] Texas included with Southeastern district.
[2] Includes brown ore from Tenn., Mo., and Texas; also magnetite from Calif., Utah, and Wyoming.
[3] Predominant mineral.
[4] Carbonate ore.
[5] Beginning 1959, excludes byproduct ore.

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

No. 1029. Manganese Ore and Ferromanganese—Summary: 1930 to 1962

[**Gross weight in thousands of short tons.** Excludes Alaska, Hawaii, and Puerto Rico, except for imports and exports. See also *Historical Statistics, Colonial Times to 1957*, series M 211, for mine shipments]

ITEM	1930	1940	1950	1956	1959	1960	1961	1962 (prel.)
Manganese ore (35 percent or more Mn):								
Mine shipments	75	45	134	345	229	80	46	(1)
General imports	656	1,450	1,835	2,239	2,398	2,544	2,098	2,000
Consumption	n.a.	n.a.	1,650	2,264	1,606	1,946	1,718	1,900
World production (estimate)	3,848	6,238	6,200	13,001	14,281	15,006	14,933	15,000
Ferromanganese:								
Domestic production	308	515	720	923	629	843	733	781
Imports for consumption	[2] 49	12	110	160	90	120	222	135
Exports	[3] 7	[3] 15	1	2	1	1	(4)	4
Consumption	n.a.	n.a.	775	945	755	800	778	803

n.a. Not available. [1] Bureau of Mines not at liberty to publish.
[2] Manganese content; gross weight not reported.
[3] Includes spiegeleisen. [4] Less than 500 short tons.

No. 1030. Chromite—Summary: 1930 to 1962

[**Quantities in thousands of short tons; values in thousands of dollars.** Domestic production (shipments) includes Alaska. Imports and exports include Alaska, Hawaii, and Puerto Rico. See also *Historical Statistics, Colonial Times to 1957*, series M 213–214]

ITEM	1930	1940	1950	1956	1959	1960	1961	1962
Total supply	366	740	1,304	2,383	1,648	1,489	1,395	1,444
Domestic production (shipments)	(1)	3	(1)	208	[2] 105	[2] 107	[2] 82	(3)
Value	2	29	(3)	8,715	3,765	3,813	2,939	(3)
Imports for consumption	366	737	1,304	2,175	1,554	1,387	1,323	1,446
Value	3,513	8,755	23,299	49,350	31,926	24,313	21,444	23,700
Consumption by industry	(3)	563	980	1,847	1,337	1,220	1,200	1,131
Exports	(3)	(3)	2	2	11	5	10	2
World production (estimate)	600	1,600	2,600	4,570	4,355	4,930	4,655	4,805

[1] Less than 500 short tons. [2] Produced for Federal Government only.
[3] Not available or Bureau of Mines not at liberty to publish.

No. 1031. Tungsten—Summary: 1930 to 1962

[Includes Alaska through 1950. See also *Historical Statistics, Colonial Times to 1957*, series M 215–216]

ITEM	1930	1940	1950	1956	1960	1961	1962
Production:							
Concentrates, 60% WO_3 basis—short tons	n.a.	5,120	4,166	15,510	7,007	8,603	[1] 8,700
Tungsten content—1,000 lb	n.a.	4,873	3,965	14,761	6,669	8,188	[1] 8,200
Shipments from mines:							
Concentrates, 60% WO_3 basis—short tons	702	5,319	4,820	14,737	7,325	8,245	[1] 8,429
Tungsten content—1,000 lb	668	5,062	4,588	14,027	6,972	7,847	[1] 8,021
Reported value f.o.b. mines—$1,000	509	6,576	8,171	51,201	9,815	10,565	[1] 11,640
Average per pound of tungsten—dollars	.76	1.30	1.78	3.65	1.40	1.35	[1] 1.45
Imports (tungsten content):							
General—1,000 lb	n.a.	9,666	8,342	21,857	5,178	2,744	3,709
For consumption—do	3,998	5,611	16,147	20,860	3,525	2,123	3,977
Consumption (tungsten content)—do	4,642	9,955	6,597	9,061	11,605	11,128	13,691
Stocks (tungsten content)[2]—do	n.a.	2,897	5,337	4,457	5,545	5,879	[1] 6,058
World production (estimate)[3]—short tons	[4] 18,400	48,100	42,300	82,900	69,400	74,200	n.a.

n.a. Not available.
[1] Estimated.
[2] Producers, consumers, and dealers, end of year.
[3] Concentrates, 60 percent WO_3 basis. [4] Excludes U.S.S.R.

Source of tables 1029–1031: Department of the Interior, Bureau of Mines; *Minerals Yearbook*.

No. 1032. Nickel—Summary: 1930 to 1962

[**In short tons.** Excludes Alaska, Hawaii, and Puerto Rico, except for imports and exports. See also *Historical Statistics, Colonial Times to 1957*, series M 221-224]

ITEM	1930	1940	1950	1956	1959	1960	1961	1962
Mine production				7,392	13,374	14,079	13,133	13,110
Plant production:								
Primary	308	554	913	6,722	11,606	14,303	11,176	11,217
Secondary	2,900	4,152	8,795	14,860	9,438	9,431	10,688	10,000
Imports (estimated content) [1]	25,300	83,760	91,347	143,000	112,000	103,000	127,000	123,000
Exports (gross weight) [2]	2,388	11,994	3,645	44,526	13,073	54,109	55,493	27,641
Price per pound [3] cents	35	35	40–50.5	64.5–74	74	74	74–81.25	81.25–79
World production (estimate)	59,800	144,800	130,000	285,000	314,000	359,000	394,000	399,600

[1] Includes metal, ore and matte, oxide powder and oxide sinter, and refinery residues (beginning with 1950); in addition, through 1940, covers scrap, "bars, rods, tubes, etc.," and nickel-silver.
[2] Through 1950 excludes "Manufactures;" weight not recorded.
[3] Price quoted U.S. buyers by International Nickel Co. Inc., for electrolytic nickel, U.S. duty included: 1930 and 1940, f.o.b. New York; thereafter, f.o.b. Port Colborne, Ontario.

No. 1033. Molybdenum Concentrates—Summary: 1930 to 1962

[**In thousands of pounds of contained molybdenum.** Excludes Alaska, Hawaii, and Puerto Rico, except for imports and exports. See also *Historical Statistics, Colonial Times to 1957*, series M 217-218]

ITEM	1930	1940	1950	1956	1959	1960	1961	1962
Production	3,723	34,313	28,480	57,462	50,956	68,237	66,563	51,244
Shipments from mines	3,759	25,329	44,544	57,126	51,603	69,941	66,753	50,506
Average price per pound [1] dollars	[2] .73	.75	.91	1.13	1.25	1.25	1.32	1.37
Exports [3]	n.a.	6,585	6,235	17,981	18,852	30,244	35,661	15,555
Imports for consumption	145		3					
Consumption	n.a.	n.a.	26,029	42,652	37,448	44,784	42,261	40,990
Stocks (industry), Dec. 31 [4]	n.a.	n.a.	4,326	2,920	4,074	3,481	2,815	3,490
World production (estimate)	4,200	38,300	32,000	70,300	70,300	89,500	87,900	75,000

n.a. Not available.
[1] Per pound of molybdenum contained. Source: *Engineering and Mining Journal.*
[2] July to December only.
[3] Includes roasted concentrates.
[4] At mines and at plants making molybdenum products.

No. 1034. Gold and Silver—Summary: 1930 to 1962

[Includes Alaska. See also *Historical Statistics, Colonial Times to 1957*, series M 246–247, for mine production]

ITEM	1930	1940	1950	1956	1960	1961	1962
Mine production:							
Gold 1,000 fine ounces	2,139	4,870	2,394	1,827	1,667	1,548	1,535
Silver do	47,725	70,436	42,459	38,722	30,766	34,794	36,506
Value of production:							
Gold $1,000	44,211	170,448	83,798	63,950	58,337	54,189	53,736
Silver do	18,374	50,088	38,425	35,044	27,845	32,167	39,616
Ore (dry and siliceous) produced: [1]							
Gold ore 1,000 short tons	7,767	16,550	3,584	2,255	2,267	2,060	n.a.
Gold-silver ore do		948	433	245	347	248	n.a.
Silver ore do		1,201	627	687	641	565	n.a.
Net industrial consumption:							
Gold $1,000	15,178	13,306	97,846	49,000	105,000	97,125	n.a.
Silver 1,000 fine ounces	26,874	44,499	110,000	100,000	102,000	105,500	n.a.
Imports:							
Gold $1,000	396,054	4,749,467	162,749	132,667	[2] 335,032	[2] 56,211	[2] 4,312
Silver do	42,761	58,434	110,035	129,068	57,438	45,433	[2] 76,359
Exports:							
Gold do	115,967	4,995	534,036	26,562	1,647	775,001	10,884
Silver do	54,157	3,674	6,202	7,049	25,789	37,854	13,056
Price, average per fine ounce: [3]							
Gold dollars	20.67	35.00	35.00	35.00	35.00	35.00	35.00
Silver do	.385	.711	.905+	.905+	.905+	.924+	1.08+
World production (estimate):							
Gold 1,000 fine ounces	20,800	42,300	32,700	38,400	45,400	47,700	[4] 49,500
Silver do	248,700	275,400	203,300	224,200	240,200	231,800	[4] 235,200

[1] Gold and silver are also produced from base-metal ores and placers. In 1961, dry and siliceous ores accounted for 48 percent of gold produced and 39 percent of silver.
[2] Excludes coinage.
[3] Treasury buying price, except for silver, 1930 and 1961, New York price.
[4] Preliminary.

Source of tables 1032–1034: Department of the Interior, Bureau of Mines; *Minerals Yearbook.*

No. 1035. Gold and Silver—Production, by States: 1930 to 1961

[In 1,000 fine ounces. Based upon arrivals at U.S. mints and assay offices and private refineries]

STATE	GOLD						SILVER					
	1930	1940	1950	1955	1960	1961	1930	1940	1950	1955	1960	1961
Total	**2,101**	**4,863**	**2,289**	**1,877**	**1,680**	**1,567**	**50,627**	**68,287**	**42,309**	**36,470**	**36,800**	**34,900**
Alaska	407	757	276	253	173	117	392	173	50	35	27	19
Arizona	149	299	111	128	158	147	4,910	6,130	5,089	4,600	5,338	5,075
California	450	1,444	410	248	125	98	1,434	2,225	1,000	600	188	106
Colorado	218	369	124	87	68	65	4,852	9,378	3,343	2,510	2,070	2,062
Idaho	21	145	69	10	6	6	9,710	17,477	15,993	14,000	17,814	17,518
Illinois	-------	-------	-------	-------	-------	-------	2	1	7	3	23	27
Michigan	-------	-------	-------	-------	-------	-------	11	90	(1)	503	6	88
Missouri	-------	-------	-------	-------	-------	-------	188	145	233	350	81	2
Montana	47	273	57	26	46	39	8,597	12,152	7,178	5,820	3,970	3,557
Nevada	140	380	170	77	66	53	4,179	5,102	1,634	834	703	386
New Mexico	32	39	7	2	5	6	1,160	1,576	365	183	315	293
New York	-------	-------	-------	-------	-------	-------	-------	36	33	49	20	41
Oregon	14	114	10	2	1	1	10	192	12	7	(1)	2
Pennsylvania	1	2	2	2	1	1	5	14	11	11	8	7
South Dakota	406	587	572	527	551	559	105	171	143	153	109	118
Tennessee	1	(1)	(1)	(1)	(1)	(1)	86	39	26	61	123	92
Texas	(1)	(1)	(1)	-------	-------	-------	469	1,295	4	(1)	-------	-------
Utah	209	352	392	442	314	355	14,451	11,686	6,799	6,270	5,132	4,700
Vermont	-------	-------	(1)	(1)	-------	-------	5	-------	28	50	-------	-------
Virginia	-------	(1)	-------	-------	-------	-------	-------	(1)	(1)	2	-------	-------
Washington	4	84	89	74	163	118	30	389	358	420	696	635
Wyoming	(1)	1	(1)	(1)	(1)	(1)	(1)	(1)	3	(1)	(1)	(1)
Other States	1	16	-------	(1)	2	1	33	15	-------	(1)	178	176

[1] Less than 500 ounces.

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

No. 1036. Copper—Mine Production, by States: 1930 to 1962

[In short tons of recoverable copper]

STATE	1930	1940	1950	1956	1959	1960	1961	1962 (prel.)
Total	**705,074**	**878,086**	**909,343**	**1,104,156**	**824,846**	**1,080,169**	**1,165,155**	**1,228,118**
Alaska	16,326	55	6	(1)	36	41	92	(2)
Arizona	288,095	281,169	403,301	505,908	430,297	538,605	587,053	644,000
California	13,643	6,438	646	859	663	1,087	1,382	980
Colorado	5,257	12,152	3,141	4,228	2,940	3,247	4,141	4,500
Idaho	1,556	3,349	2,107	6,656	8,713	4,208	4,328	3,797
Michigan	84,691	45,198	25,608	61,526	55,300	56,385	70,245	73,125
Missouri	88	685	2,982	1,890	1,065	1,087	1,479	847
Montana	98,094	126,391	54,478	96,426	65,911	91,972	104,000	94,016
Nevada	54,602	78,454	52,569	80,824	57,375	77,485	78,022	81,675
New Mexico	32,575	69,848	66,300	74,345	39,688	67,288	70,606	84,200
Pennsylvania	-------	(3)	4,142	[4] 4,102	[4] 6,604	[4] 7,907	[4] 8,934	[4] 6,533
Tennessee	(5)	[3] 12,732	6,851	10,449	11,490	12,723	12,272	14,600
Utah	90,263	231,864	278,630	250,604	144,715	218,049	213,534	219,800
Vermont	-------	-------	3,504	3,403	-------	-------	-------	-------
Washington	603	9,612	5,057	2,926	49	78	66	45
Other States	19,282	139	21	10	-------	7	1	-------

[1] Less than 1 ton.
[2] Included in Pennsylvania.
[3] North Carolina and Pennsylvania included in Tennessee.
[4] Includes North Carolina for 1956–1962, Oregon for 1961, and Alaska for 1962.
[5] Included in "Other States."

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

No. 1037. Copper—Summary: 1951 to 1962

[In thousands of short tons, except as indicated. Production figures include Alaska; imports and exports include Alaska, Hawaii, and Puerto Rico. See also *Historical Statistics, Colonial Times to 1957*, series M 225–231]

ITEM	1951–1955 (avg.)	1956	1959	1960	1961	1962 (prel.)
New (primary) copper produced—						
From domestic ores, as reported by—						
Mines	923	1,104	825	1,080	1,165	1,228
Copper ore produced [1]	100,542	131,776	103,716	134,994	142,722	n.a.
Average yield of copper, percent	0.85	0.78	0.74	0.73	0.75	n.a.
Smelters	929	1,118	799	1,143	1,162	1,281
Percent of world total	0.28	0.28	0.19	0.23	0.23	n.a.
Refineries	929	1,080	796	1,121	1,181	1,211
From foreign ores, matte, etc., refinery reports	317	362	302	398	369	400
Total new refined, domestic and foreign	1,246	1,443	1,098	1,519	1,550	1,611
Secondary copper produced	925	931	931	871	849	915
Recovered from old scrap only	445	468	471	429	411	427
Imports (unmanufactured) [2]	595	596	571	524	458	479
Refined	255	192	214	143	67	99
Exports of metallic copper [3]	224	281	196	510	486	373
Refined (ingots and bars)	167	223	159	434	432	337
Stocks at end of year (producers)	230	339	271	359	285	317
Refined copper	34	78	18	98	49	71
Blister and materials in solution	196	261	253	261	236	246
Withdrawals (apparent) from total supply on domestic account:						
Total new copper	1,333	1,367	1,183	1,148	1,234	1,354
Total new and old copper (old scrap only)	1,779	1,835	1,654	1,577	1,645	1,781
Average price [4] cents per pound	28.8	42.5	30.7	32.1	30.0	31.0
World smelter production, new copper	3,280	3,990	4,190	4,950	5,060	n.a.

n.a. Not available.

[1] Includes old tailings smelted or re-treated. Not comparable with mine production figures, which include recoverable copper content of ores not classified as "copper."

[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] Total exports of copper, exclusive of ore, concentrates, composition metal, and unrefined copper. Exclusive also of "Other copper manufactures," for which quantity figures are not recorded before 1953. Beginning 1959, data not strictly comparable with earlier years due to changes in classification.

[4] Exclusive of copper produced abroad and delivered in the United States.

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

No. 1038. Copper—Exports and Imports: 1931 to 1962

[Quantities in short tons; values in thousands of dollars. Includes trade of Alaska, Hawaii, and Puerto Rico with foreign countries. 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. Prior to 1952, values include all forms of copper; quantities represent all copper except some "Other copper manufactures" for which quantity data were not reported. For 1952 and subsequent years, export data exclude certain copper manufactures not reported separately]

YEARLY AVERAGE OR YEAR	EXPORTS [1]		IMPORTS [2]		YEAR	EXPORTS [1]		IMPORTS [2]	
	Quantity	Value	Quantity	Value		Quantity	Value	Quantity	Value
1931–1935	246,658	39,920	211,116	29,662	1953	156,152	95,510	670,484	433,017
1936–1940	378,054	87,680	242,530	47,608	1954	300,709	176,044	603,271	362,670
1941–1945	208,423	79,333	780,000	164,752	1955	253,098	190,634	587,538	455,041
1946–1950	169,940	80,734	494,413	186,459	1956	276,044	237,420	562,426	501,644
1951–1955	211,681	136,460	607,547	388,283	1957	425,304	264,213	590,667	383,387
1956–1960	364,712	228,335	513,486	366,054	1958	427,311	214,441	436,466	246,314
1949	171,303	75,769	568,835	224,232	1959	181,483	107,068	409,834	297,616
1950	174,274	73,262	605,831	242,810	1960	513,418	318,984	568,037	401,308
1951	152,476	86,077	539,303	279,498	1961	477,615	281,525	430,478	278,560
1952	195,968	134,035	637,140	411,188	1962	361,903	218,598	419,404	272,670

[1] Includes shipments under foreign aid programs such as UNRRA, interim aid, European recovery, and mutual security; civilian supply shipments are included in 1948 and subsequent years.

[2] General imports prior to 1933; imports for consumption thereafter.

Source: Department of Commerce, Bureau of the Census; prior to 1947, *Foreign Commerce and Navigation of the United States;* thereafter, *Quarterly Summary of Foreign Commerce of the United States*, and records.

No. 1039. Lead—Summary: 1930 to 1962

[**In short tons.** Excludes Alaska, Hawaii, and Puerto Rico, except for imports and exports and as noted. S also *Historical Statistics, Colonial Times to 1957*, series M 232-238]

ITEM	1930	1940	1950	1956	1959	1960	1961	1962
Smelter production of refined primary lead	643,033	533,179	508,314	542,308	340,931	382,436	449,565	376,(
From domestic ores and base bullion [1]	573,740	433,065	418,809	349,188	225,270	228,899	288,078	245,(
From foreign ores and base bullion	69,293	100,114	89,505	193,120	115,661	153,537	161,487	130,4
Recovery of secondary lead	255,800	260,346	482,275	506,755	451,387	469,903	452,792	444,2
Imports: [2]								
Lead in pigs, bars, and old	209	151,568	461,827	283,392	271,695	213,671	261,794	[3] 259,5
Lead in base bullion	38,630	19,624	3,488	31	80	293	422	[3] 4,6
Lead in ores and matte	39,377	111,300	76,520	196,452	138,834	145,692	147,186	[3] 138,9
Exports of refined pig lead [4]	[5] 48,307	23,755	2,735	4,628	2,756	1,967	2,133	[3] 2,1
Estimated consumption of primary and secondary lead	[6] 768,600	[6] 782,000	1,237,981	1,209,717	1,091,149	1,021,172	1,027,216	1,109,6
Prices (cents per pound):								
New York average	5.52	5.18	13.30	16.01	12.21	11.95	10.87	n.a.
London average	3.92	(7)	13.29	14.52	8.88	9.04	8.03	7.(
Mine production of recoverable lead [8]	558,313	457,392	430,827	352,826	255,586	246,669	261,921	236,9(
World smelter production (estimate)	1,869,000	1,936,000	1,850,000	2,400,000	2,410,000	2,550,000	2,660,000	n.a.

n.a. Not available.
[1] Excludes lead content of antimonial lead.
[2] Data are "general imports," i.e., include lead imported for immediate consumption plus material entering country under bond.
[3] Preliminary.
[4] Pigs, bars and anodes.
[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 Exchang dealings suspended for duration of war.
[8] Includes Alaska.

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

No. 1040. Lead, Recoverable—Mine Production, by States: 1930 to 196

[**In short tons**]

STATE	1930	1940	1950	1956	1959	1960	1961	1962
Total	558,313	457,392	430,827	352,826	255,586	246,669	261,921	236,956
Western States	312,413	244,974	257,803	197,758	142,326	124,930	151,011	161,155
Alaska	1,365	779	149	1		23	24	
Arizona	4,246	13,266	26,383	11,999	9,999	8,495	5,937	6,966
California	1,780	1,772	15,831	9,296	227	440	103	455
Colorado	22,130	11,476	27,007	19,856	12,907	18,080	17,755	17,411
Idaho	134,058	104,834	100,025	64,321	62,395	42,907	71,476	84,058
Montana	10,653	23,036	19,617	18,642	7,672	4,879	2,643	6,121
Nevada	11,529	7,499	9,408	6,384	1,357	987	1,791	771
New Mexico	10,378	3,822	4,150	6,042	829	1,996	2,332	1,134
Utah	115,495	75,688	44,753	49,555	36,630	39,398	40,894	38,199
Washington	576	2,555	10,334	11,657	10,310	7,725	[1] 8,056	6,033
Other	203	247	146	5				7
Central States	237,533	207,587	168,173	150,410	110,009	118,388	105,980	69,666
Illinois	248	1,508	2,729	3,832	2,570	3,000	3,430	3,610
Kansas	12,910	11,927	9,487	7,635	481	781	1,449	970
Missouri	199,632	172,052	134,626	123,783	105,165	111,948	98,785	60,982
Oklahoma	23,052	21,240	20,724	12,350	601	936	980	2,710
Other	1,691	860	607	2,810	1,192	1,723	1,336	1,394
Eastern States	8,367	4,831	4,851	4,658	3,251	3,351	4,930	6,135
New York		1,973	1,484	1,608	481	775	879	1,063
Tennessee	8,367	573	113	5				51
Virginia		2,285	3,254	[2] 3,045	2,770	[2] 2,576	[2] 4,051	4,060
Other								962

[1] Oregon included with Washington to avoid disclosure of individual operations.
[2] Includes North Carolina, 10 tons in 1956, 424 in 1960, 318 in 1961, and 215 in 1962.

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

No. 1041. Zinc—Production and Prices: 1930 to 1962

[Excludes Alaska and Hawaii, except as noted. See also *Historical Statistics, Colonial Times to 1957*, series M 239-240, for production]

ITEM	1930	1940	1950	1956	1959	1960	1961	1962
Smelter production of primary slab zinc short tons	498,045	675,275	843,467	983,610	[1] 798,666	[1] 799,516	[1] 846,795	[1] 885,000
Value $1,000	47,812	85,085	240,051	270,099	183,214	205,476	193,916	203,550
Source:								
From domestic ores short tons	489,361	589,088	588,291	470,093	348,443	334,101	419,206	n.a.
From foreign ores do	8,684	85,287	255,176	513,517	450,223	465,415	427,589	n.a.
Method:								
Electrolytic percent of total	26	28	41	42	35	40	38	n.a.
Distilled do	74	72	59	58	65	60	62	n.a.
Production of redistilled secondary slab zinc short tons	[2] 34,849	48,917	66,970	72,127	57,818	68,731	55,237	55,000
Average price of common zinc at—								
East St. Louis cents per pound	4.56	6.34	13.88	13.49	11.46	12.95	11.55	11.5
London [3] do	3.60	n.a.	14.89	12.19	10.27	11.05	9.78	8.43
Mine production of recoverable zinc short tons	595,425	665,068	623,375	542,340	425,303	435,427	464,390	505,648
Arizona	815	15,456	60,480	25,580	37,325	35,811	29,585	33,200
California		79	7,551	8,049	78	465	304	315
Colorado	36,259	5,060	45,776	40,246	35,388	31,278	42,647	43,065
Idaho	37,649	70,601	87,890	49,561	55,699	36,801	58,295	62,951
Illinois	9	4,818	26,982	24,039	26,815	29,550	26,795	27,010
Kansas	74,304	57,032	27,176	28,665	1,017	2,117	2,446	4,400
Missouri	10,811	12,703	8,189	4,380	92	2,821	5,847	2,782
Montana	26,421	52,587	67,678	70,520	27,848	12,551	10,262	38,830
Nevada	14,584	11,833	21,606	7,488	217	420	453	100
New Jersey	97,026	91,406	55,029	4,667			112	14,995
New Mexico	32,765	30,313	29,263	35,010	4,636	13,770	22,900	21,400
New York	22,471	35,686	38,321	59,111	43,464	66,364	54,763	53,602
Oklahoma	136,153	162,935	46,739	27,515	1,049	2,332	3,148	10,500
Pennsylvania					16,718	13,746	23,428	23,618
Tennessee	[4] 48,147	34,796	35,326	46,023	89,932	91,394	81,734	71,008
Utah	44,495	43,788	31,678	42,374	35,223	35,476	37,239	35,100
Virginia	(4)	16,927	12,396	19,196	20,334	19,885	29,163	26,462
Washington	352	11,560	14,807	25,609	17,111	21,317	20,217	21,579
Wisconsin	12,558	5,770	5,722	23,890	11,635	18,410	13,865	13,260
Other States [5]	6	1,718	766	417	722	919	1,187	1,411
World smelter production (estimate) 1,000 short tons	1,536	1,786	2,170	3,100	3,120	3,280	3,550	n.a.

n.a. Not available.
[1] Includes production of zinc used directly in alloying operations.
[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] Virginia included with Tennessee.
[5] Includes Alaska, Arkansas, Kentucky, and Oregon.
Source: Department of the Interior, Bureau of Mines; *Minerals Yearbook*.

No. 1042. Tin—Summary: 1930 to 1962

[**In long tons.** Production figures for domestic mines include Alaska; imports and exports include Alaska, Hawaii, and Puerto Rico]

ITEM	1930	1940	1945	1950	1955	1960	1962 (prel.)
Production:							
Domestic mines	15	49		94	99	10	(1)
Domestic smelters [2]		1,391	40,475	33,118	22,329	(1)	(1)
Secondary sources	23,393	29,700	31,400	31,680	28,340	22,050	21,620
Imports for consumption:							
Metal	80,734	124,810	8,493	82,838	64,815	39,538	41,390
Ore (tin content)	289	3,000	33,479	25,960	20,112	14,026	5,364
Exports (domestic and foreign)	2,233	[3] 2,664	882	799	1,107	857	436
Monthly price of Straits tin at New York, average cents per pound [4]	31.70	49.82	[5] 52.00	95.56	94.73	101.40	114.61
Consumption	[6] 78,501	97,154	83,583	104,464	90,483	80,560	77,675
World mine production (estimate) [7]	176,000	238,300	87,000	169,300	197,200	181,500	195,800

[1] Withheld to avoid disclosure of individual company data.
[2] Includes tin content of ores used to make alloys.
[3] Foreign only, domestic not separately recorded.
[4] Source: *American Metal Market*. [5] Ceiling price.
[6] Apparent consumption, primary only.
[7] Prior to 1955, excludes production of U.S.S.R.
Source: Department of the Interior, Bureau of Mines; *Minerals Yearbook*.

No. 1043. Bauxite—Summary: 1930 to 1962

[**Quantities in thousands of long tons; values in thousands of dollars.** Beginning 1960, includes Alaska and Hawaii; imports and exports include Alaska, Hawaii, and Puerto Rico for all years. See also *Historical Statistics, Colonial Times to 1957*, series M 249, for production]

ITEM	1930	1940	1950	1956	1959	1960	1961	1962
Production:								
Crude ore	--------	510	1,585	2,061	2,029	2,409	1,479	1,630
Dried-bauxite equivalent	--------	439	1,335	1,744	1,700	1,998	1,228	1,369
Value	--------	1,754	7,693	15,109	17,725	21,107	13,937	15,000
Shipments: [1]								
Gross weight [2]	--------	--------	1,452	1,891	1,890	1,925	1,284	1,765
Dried-bauxite equivalent	--------	--------	1,337	1,636	1,641	1,654	1,123	1,534
Value	--------	--------	9,549	15,372	18,638	19,559	13,718	18,144
Imports (crude and dried), quantity [3]	410	630	2,516	5,670	8,149	8,739	9,206	10,583
Value	1,996	4,299	15,730	44,414	73,549	78,024	88,821	121,799
Exports, quantity [2]	105	82	45	15	17	29	151	259
Value	3,777	1,543	1,156	834	1,825	2,588	12,189	19,874
World production (estimate)	1,603	4,321	8,050	18,540	22,660	26,980	29,040	30,000

[1] Shipments from mines and processing plants to consumers. [2] As shipped.
[3] Beginning 1956, import figures adjusted to dry equivalent for Jamaican, Haitian, and Dominican Republic bauxite. Other imports on "as shipped" basis.

No. 1044. Aluminum—Summary: 1930 to 1962

[**Quantities in short tons; values in thousands of dollars.** Beginning 1960, includes Alaska and Hawaii; imports and exports include Alaska, Hawaii, and Puerto Rico for all years. See also *Historical Statistics, Colonial Times to 1957*, series M 251–255]

ITEM	1930	1940	1950	1956	1959	1960	1961	1962
Total production	153,119	286,642	962,288	2,018,722	2,314,039	2,343,948	2,244,179	2,575,843
Value	68,138	104,624	316,046	968,871	1,131,122	1,201,321	1,123,407	1,219,000
Primary aluminum:								
Production	114,519	206,280	718,622	1,678,954	1,954,112	2,014,498	1,903,711	2,117,929
Value	50,961	75,292	235,977	805,782	955,190	1,030,007	949,768	998,559
Price per pound (cents) [1]	23.8	18.7	17.7	26.0	26.9	26.0	25.5	23.9
Secondary aluminum:								
Production (recovered) [2]	38,600	80,362	243,666	339,768	359,927	329,450	340,468	457,913
From old scrap	38,600	45,806	76,358	71,673	78,006	62,703	102,295	128,010
From new scrap		34,556	167,308	268,095	281,921	266,747	238,173	329,903
Value [3]	17,177	29,332	80,069	163,089	175,932	171,314	173,639	219,000
Imports, quantity [4]	12,731	18,084	255,692	264,975	301,523	196,425	254,535	373,205
Value [5]	4,690	4,737	67,533	127,386	149,427	103,278	125,987	167,571
Exports, quantity [4]	8,665	27,841	23,236	68,032	163,820	383,020	238,131	258,707
Value [5]	3,916	17,919	13,345	43,800	76,977	174,414	112,591	125,031
Total apparent consumption	108,601	305,870	1,200,493	1,781,758	2,488,315	2,015,644	2,320,639	2,703,172
World production (estimate)	297,000	868,000	1,640,000	3,720,000	4,480,000	4,985,000	5,195,000	5,555,000

[1] As quoted. 99+ percent virgin ingot. The use of the term "pig" was discontinued in August 1960. The former pig price is now applied to ingot. Source: *American Metal Market*.
[2] Through 1950, recoverable aluminum-alloy content; thereafter, recoverable aluminum content.
[3] 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*.
[4] Crude and semi-crude (including metal and alloys, plates, bars, etc., and scrap).
[5] Beginning 1956, not comparable with earlier years.

No. 1045. Magnesium—Summary: 1930 to 1962

[**In short tons.** Beginning 1960, includes Alaska and Hawaii; imports and exports include Alaska, Hawaii, and Puerto Rico for all years. See also *Historical Statistics, Colonial Times to 1957*, series M 256–258, for production]

ITEM	1930	1940	1950	1956	1959	1960	1961	1962
Production:								
Primary magnesium, ingot equivalent	587	6,261	15,726	68,346	31,033	40,070	40,745	68,955
Secondary magnesium, ingot equivalent	--------	n.a.	9,476	10,529	10,090	10,348	8,125	9,610
Average price per pound, primary (quoted) cents	48.0	27.0	22.0	33.9	35.25	35.25	35.25	35.25
Exports: [1]								
Metal and alloys in crude form and scrap	n.a.	859	586	3,388	1,601	4,467	6,160	6,426
Semifabricated forms, powder, etc	n.a.	n.a.	322	543	788	665	521	615
Imports, metallic and scrap	3	--------	843	630	593	401	1,005	2,359
Domestic consumption	n.a.	[2] 5,766	18,051	53,610	41,551	37,100	45,533	45,951
World primary production (estimate)	n.a.	42,000	50,000	114,300	82,400	102,600	115,100	145,300

n.a. Not available.
[1] Beginning 1959, some material formerly included with metals and alloys in crude form and scrap included with semifabricated forms, etc.
[2] Primary and secondary. Other years primary only.

Source of tables 1043–1045: Department of the Interior, Bureau of Mines; *Minerals Yearbook*.

Section 29

Construction and Housing

This section presents various measures of construction activity and costs; housing units; housing values, facilities, and structural characteristics; and residential financing.

The principal sources of these data are the monthly *Construction Reports* series, *Housing Starts* and *Construction Activity—Value of New Construction Put in Place,* reports of the decennial Census of Housing (most recent, 1960), and the *1956 National Housing Inventory,* published by the Bureau of the Census; and the monthly *Construction Review,* published by the Business and Defense Services Administration and containing data compiled by the Bureau of the Census on value of construction contract awards, value of construction put in place, cost and seasonal indexes, housing starts, vacancy rates, building permits, and production, shipment, and inventories of construction materials, as well as data assembled from other sources on construction materials and prices, wage rates, and employment. Other sources, specializing in particular types of construction or housing statistics, include the monthly *Dodge Construction Statistics Services* of F. W. Dodge Corp., which presents State data on construction contracts; the *Engineering News-Record,* issued weekly by the McGraw-Hill Publishing Co., Inc., which contains figures on construction costs; the *Annual Report* of the Housing and Home Finance Agency, which offers public housing statistics from its Public Housing Administration and other agencies; and the *Annual Report* of the Federal Home Loan Bank Board, which presents home mortgage data. Monthly data on characteristics of vacant housing units are collected by the Bureau of the Census and presented quarterly in its *Current Housing Reports.*

Construction.—Monthly estimates of the value of construction put in place are prepared by the Bureau of the Census and published in *Construction Activity—Value of New Construction Put in Place.* Construction estimates for buildings such as stores, warehouses, and factories are based on F. W. Dodge Corporation reports of construction contracts, supplemented by building permit data. Public utility construction estimates are derived from data compiled by the Interstate Commerce Commission and other Federal regulatory agencies, and by private associations and organizations such as the American Gas Association, the Edison Electric Institute, and the American Telephone and Telegraph Company.

Statistics for most types of State and local governmental construction are derived from data compiled by the F. W. Dodge Corporation, supplemented by reports issued by numerous construction news services such as the *Engineering News-Record* and from official reports issued by State and local government agencies. Estimates of Federally financed construction, Federally aided construction programs, and State and local highway construction are derived by the Bureau of the Census from reports of the responsible Federal agencies. Estimates of private residential construction activity, including number of housing units started, type of structure, and average construction costs, are based primarily upon reports compiled by the Bureau of the Census of building permits issued, supplemented by field surveys on a sample basis to measure the relationship between permit-issuance and start of construction and to obtain estimates of housing starts in nonpermit areas.

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Housing.—The first Census of Housing was taken in 1940, 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 were collected in sample surveys by the Bureau of the Census in October 1944, November 1945, April 1947, and May 1948 as part of the Current Population Survey (see p. 1 for discussion of Survey). A second Census of Housing was taken in 1950. In 1955, a monthly vacancy survey was begun, results of which are issued on a quarterly basis. In 1956 a National Housing Inventory, conducted on a sample basis by the Bureau of the Census, provided measurements of the housing supply for the country as a whole and for selected large metropolitan areas, and information on components of change (gains and losses) during the 1950–56 period in terms of new construction, conversion, demolition, merger, and other additions and losses. The most recent Census of Housing was taken as of April 1, 1960. It included a components of change survey as of December 1959, covering the whole decade 1950–60 as well as the period 1957–60.

Housing units.—In general, a housing unit is a group of rooms or a single room occupied or intended for occupancy as separate living quarters, that is, the occupants do not live and eat with any other persons in the structure, and there is either (1) direct access from the outside or through a common hall, or (2) a kitchen or cooking equipment for the exclusive use of the occupants. Transient accommodations (tourist courts, hotels, etc.), barracks for workers (railroad, construction, etc.), and institutional-type quarters are not included in the housing-unit inventory.

In the 1950 Census, the unit of enumeration was the dwelling unit. Although the definition of housing unit in 1960 is essentially similar to that of dwelling unit in 1950, the housing unit definition was designed to encompass all private living quarters, whereas the dwelling unit definition did not cover all private living accommodations. The main difference was in the treatment of 1-room quarters. Nevertheless, the change in definition between 1950 and 1960 had relatively little effect on comparability of the data at national and State levels.

Residential financing.—As early as 1890, the Bureau of the Census (then Census Division of the Department of Interior) collected detailed statistics on residential mortgages. As part of the 1920 and 1940 Censuses, mortgage questions were asked of owners who occupied their own homes. In 1950, the census included a separate survey on residential financing, mainly conducted by mail after the basic population and housing enumeration had been completed. The survey covered nonfarm residential mortgaged properties, both owner and renter. As a part of the 1956 National Housing Inventory, data were collected on the financing of owner-occupied nonfarm properties. In 1960, the Residential Finance Survey program of the Census of Housing covered financing of both homeowner and rental properties and characteristics of nonmortgaged as well as mortgaged properties.

Data on home mortgages and foreclosures, based largely on reports from major holders, are provided by the Federal 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.

Urban, rural, and farm-nonfarm residence.—See section 1, "Population," for 1960 definitions of urban, rural, and farm-nonfarm residence.

Alaska and Hawaii.—For a general statement concerning the treatment of data for Alaska and Hawaii, see preface.

Historical statistics.—Tabular headnotes provide cross-references, where applicable, to *Historical Statistics of the United States, Colonial Times to 1957.* See preface.

FIG. XLIV. VALUE OF NEW CONSTRUCTION: 1960 TO 1962

[See table 1046]

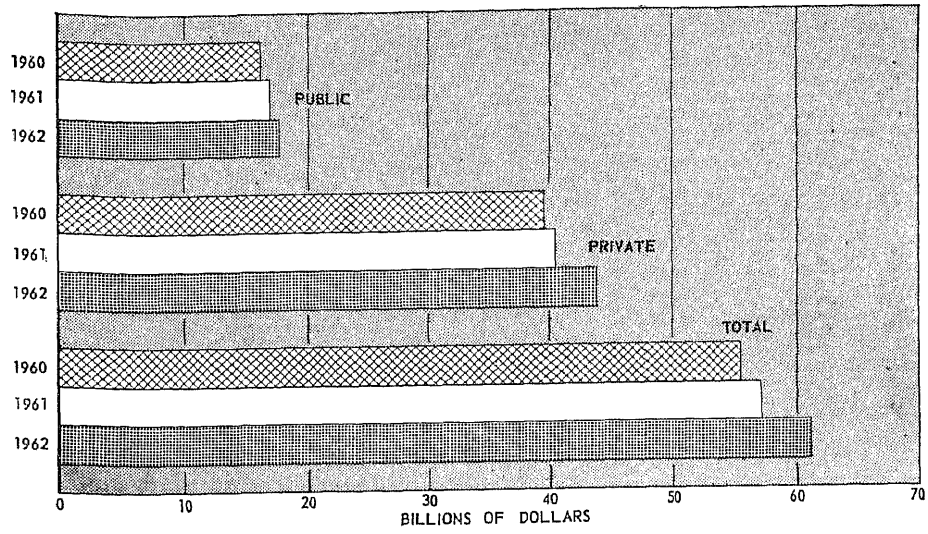
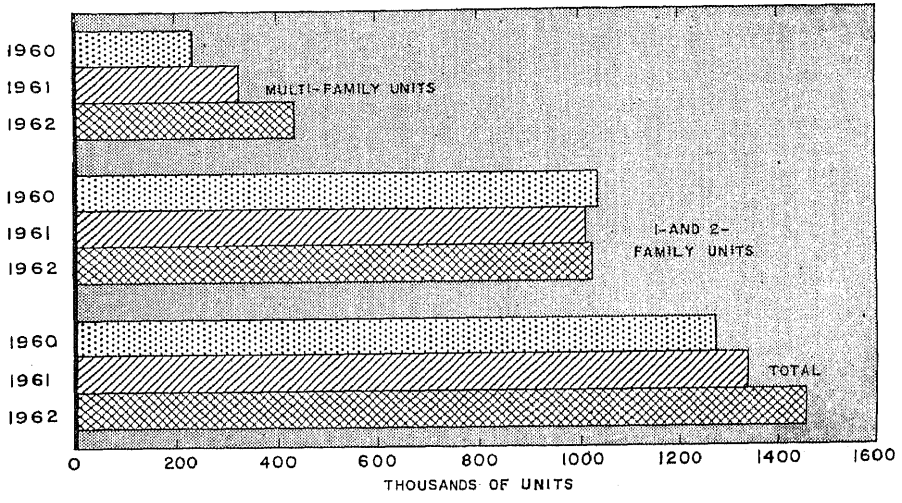


FIG. XLV. NEW NONFARM HOUSING UNITS STARTED: 1960 TO 1962

[See table 1063]



Source of figs. XLIV and XLV: Department of Commerce, Bureau of the Census.

No. 1046. Value of Private and Public Construction: 1950 to 1962

[**In millions of dollars.** New series includes Alaska and Hawaii. New series differs from old in that it reflects differences due to the new series for housing starts (see headnote, table 1063), and the new series of private residential additions and alterations (based on a new quarterly survey by the Bureau of the Census), and in that it incorporates a revision of the farm construction estimates of the Department of Agriculture. Represents value of construction put in place during year; differs from building permit and construction contract data in timing and coverage. Includes installed value of equipment which is integral part of structure but not that of machinery, shipbuilding, or land costs. For old series, see also *Historical Statistics, Colonial Times to 1957*, series N 1-28]

Type of construction	Old series				New series			
	1950	1957	1958	1959	1959	1960	1961	1962
Total	42,031	65,765	66,796	73,284	75,807	75,112	[1] 57,399	[1] 61,084
New construction	29,947	47,845	48,950	54,109	56,555	55,556	57,399	61,084
Private	23,081	33,766	33,493	38,002	40,344	39,603	40,365	43,378
Residential (nonfarm)	14,100	17,019	18,047	22,331	24,962	22,546	22,499	24,833
Nonresidential buildings [2]	3,904	9,556	8,675	8,824	8,859	10,168	10,754	11,331
Industrial	1,062	3,557	2,382	2,098	2,106	2,851	2,759	2,814
Office buildings and warehouses	529	1,893	2,013	1,946	1,954	2,121	2,350	2,538
Stores, restaurants, and garages	886	1,671	1,576	1,968	1,976	2,059	2,313	2,426
Other nonresidential buildings	1,427	2,435	2,704	2,812	2,823	3,137	3,332	3,553
Farm construction	1,635	1,578	1,495	1,651	1,308	1,285	1,473	1,429
Residential	763	738	699	772	425	441	539	449
Service buildings	872	840	796	879	883	844	934	980
Public utilities	3,330	5,414	5,087	4,990	5,008	5,323	5,389	5,508
Railroad	315	406	258	251	251	285	222	218
Electric light and power [3]	1,268	2,100	2,250	2,072	2,080	2,058	2,058	2,058
Manufactured and natural gas	1,102	1,650	1,500	1,600	1,606	1,767	2,008	2,130
Telephone and telegraph	440	1,068	904	947	951	1,088	976	994
Other public utilities [4]	205	190	175	120	120	125	125	108
All other private	112	199	189	206	207	281	250	277
Public	6,866	14,079	15,457	16,107	16,211	15,953	17,034	17,706
Residential	345	506	846	960	962	716	840	938
Nonresidential buildings	2,387	4,507	4,653	4,499	4,514	4,792	5,132	5,118
Industrial	224	473	408	368	368	407	444	395
Educational	1,133	2,825	2,875	2,646	2,656	2,818	3,051	2,984
Hospital and institutional	499	354	390	427	428	400	370	397
Other nonresidential buildings	531	855	980	1,058	1,062	1,167	1,267	1,342
Military facilities	177	1,287	1,402	1,441	1,488	1,386	1,368	1,267
Highways	2,134	4,954	5,545	5,842	5,870	5,464	5,818	6,254
Sewer and water systems	659	1,344	1,387	1,462	1,467	1,487	1,581	1,754
Conservation and development	942	971	1,019	1,126	1,130	1,221	1,350	1,514
All other public	222	510	605	777	780	887	945	861
Maintenance and repair	12,084	17,920	17,846	19,175	19,252	19,556	n.a.	n.a.

n.a. Not available.
[1] Excludes value of "Maintenance and repair."
[2] Excludes building by privately owned public utilities.
[3] Includes construction with REA funds.
[4] Local transit and petroleum pipelines.

Source: 1950, Department of Labor, Bureau of Labor Statistics and Department of Commerce, Business and Defense Services Administration; *Construction Volume and Costs, 1915-1956*, a statistical supplement to *Construction Review* (a joint publication) and *Value of New Construction Put in Place, 1945-1958* (revised June 1959); beginning 1951, Department of Commerce, Bureau of the Census; *Construction Reports*, Series C 30.

No. 1047. Value of New Private and Public Construction in 1947–49 Prices, and Index of Physical Volume: 1950 to 1962

[**In millions of dollars.** New series includes Alaska and Hawaii. For difference between old and new series, see headnote, table 1046. For description and computation of the various indexes used in the derivation of constant values, see source. Represents value of construction put in place. For old series, see also *Historical Statistics, Colonial Times to 1957*, series N 29–54]

TYPE OF CONSTRUCTION	OLD SERIES				NEW SERIES			
	1950	1957	1958	1959	1959	1960	1961	1962
New construction	27,972	35,003	35,477	38,393	40,155	38,744	39,652	41,358
Index of physical volume (1947–49=100) [1]	*129*	*162*	*164*	*178*	*178*	*171*	*175*	*183*
Private	21,396	24,475	23,981	26,541	28,223	27,153	27,366	28,896
Residential (nonfarm)	13,019	12,903	13,555	16,238	18,152	16,137	16,046	17,397
Nonresidental buildings [2]	3,692	6,805	6,046	5,966	5,990	6,755	6,983	7,176
Industrial	1,004	2,506	1,679	1,451	1,457	1,965	1,889	1,895
Office buildings and warehouses	522	1,389	1,417	1,326	1,331	1,409	1,513	1,569
Stores, restaurants, and garages	828	1,186	1,085	1,312	1,317	1,338	1,467	1,509
Other nonresidental buildings	1,338	1,724	1,865	1,877	1,885	2,043	2,114	2,203
Farm construction	1,583	1,248	1,173	1,257	989	964	1,073	1,034
Residential	741	600	565	603	332	340	416	341
Service buildings	842	648	608	654	657	624	657	693
Public utilities	3,001	3,391	3,090	2,956	2,968	3,136	3,124	3,136
Railroad	299	287	181	169	169	189	144	137
Telephone and telegraph	402	743	627	641	644	719	625	618
Other public utilities	2,300	2,361	2,282	2,146	2,155	2,228	2,355	2,381
All other private	101	128	117	124	124	161	140	153
Public	6,576	10,528	11,496	11,852	11,932	11,591	12,286	12,462
Residential	321	383	637	701	702	512	601	659
Nonresidential buildings	2,238	3,193	3,214	3,010	3,021	3,132	3,279	3,197
Industrial	212	333	289	254	254	282	304	263
Educational	1,061	2,003	1,982	1,768	1,775	1,834	1,938	1,855
Hospital and institutional	468	250	267	284	285	259	234	246
Other nonresidential	497	607	676	704	707	757	803	833
Military facilities	171	955	1,028	1,037	1,071	986	958	866
Highways	2,222	4,199	4,773	5,123	5,149	4,893	5,267	5,469
Sewer and water systems	590	865	857	867	870	858	887	961
Public service enterprises	141	232	261	311	313	371	336	275
Conservation and development	839	625	633	667	670	701	756	824
All other public	54	76	93	136	136	138	202	211

[1] Indexes for the new series are based on the assumption that the change in the new series from the 1947–49 base period to 1959 is the same as the change in the old series in that period.
[2] Excludes building by privately owned public utilities.

Source: 1950, Department of Labor, Bureau of Labor Statistics and Department of Commerce, Business and Defense Services Administration; *Construction Volume and Costs, 1915–1956*, a statistical supplement to *Construction Review* (a joint publication) and *Value of New Construction Put in Place, 1945–1958* (revised June 1959); beginning 1951, Department of Commerce, Bureau of the Census, *Construction Reports*, Series C 30.

No. 1048. Value of New Construction, by Type, for Selected Months: 1961 to 1963

[**In millions of dollars.** Includes Alaska and Hawaii. New series; see headnote, table 1046]

Type of construction	1961					1962					1963, June (prel.)
	Apr.	June	Aug.	Oct.	Dec.	Apr.	June	Aug.	Oct.	Dec.	
New construction	4,372	5,301	5,402	5,325	4,659	4,600	5,826	5,844	5,748	4,888	5,914
Private	3,110	3,690	3,723	3,698	3,345	3,325	4,112	4,082	3,888	3,535	4,225
Residential (nonfarm)	1,735	2,138	2,109	2,094	1,896	1,928	2,492	2,353	2,187	1,999	2,647
New housing units	1,173	1,407	1,578	1,607	1,432	1,345	1,697	1,794	1,702	1,541	1,844
Additions and alterations	469	632	428	383	366	487	686	445	374	351	701
Nonhousekeeping	93	99	103	104	98	96	109	114	111	107	102
Nonresidential buildings	809	900	937	954	908	839	971	1,039	1,021	964	923
Industrial	234	219	213	221	221	223	235	241	245	243	226
Commercial	337	401	416	425	398	348	433	471	454	428	402
Office buildings and warehouses	187	196	201	201	195	187	208	225	237	239	219
Stores, restaurants, and garages	150	205	215	224	203	161	225	246	217	189	183
Other nonresidential buildings	238	280	308	308	289	268	303	327	322	293	295
Religious	71	81	90	90	85	73	82	90	91	85	79
Educational	43	47	55	56	52	45	50	56	56	52	53
Hospital and institutional	61	66	69	72	70	72	79	83	82	79	85
Social and recreational	46	62	69	64	57	59	68	74	69	56	54
Miscellaneous	17	24	25	26	25	19	24	24	24	21	24
Farm construction	116	156	160	127	97	107	137	152	132	95	140
Public utilities	428	473	497	504	427	433	489	511	520	453	495
Telephone and telegraph	78	80	85	89	78	81	88	90	91	84	91
Other public utilities	350	393	412	415	349	352	401	421	429	369	404
All other private	22	23	20	19	17	18	23	27	28	24	20
Public	1,262	1,611	1,679	1,627	1,314	1,275	1,714	1,762	1,860	1,353	1,689
Residential	69	72	69	76	80	83	79	75	73	68	67
Nonresidential buildings	433	468	462	459	391	425	472	464	463	390	476
Industrial	45	48	30	32	36	32	44	26	37	33	(1)
Educational	253	274	275	276	238	245	265	269	269	234	265
Hospital and institutional	31	31	32	34	30	34	34	36	35	33	40
Other nonresidential buildings	104	115	125	117	87	114	129	133	122	90	130
Military facilities	118	136	113	78	79	103	157	117	129	104	(1)
Highways	338	574	651	651	490	339	618	700	800	496	(1)
Sewer and water systems	130	140	149	140	122	144	159	169	156	133	171
Public service enterprises	*46*	*59*	*66*	*50*	*30*	*36*	*44*	*54*	*46*	*29*	*41*
Conservation and development	100	129	133	137	94	112	151	147	159	106	(1)
All other public	28	33	36	36	28	33	34	36	34	27	36

[1] Not available; estimate included in total.

Source: Department of Commerce, Bureau of the Census; *Construction Report*, Series C 30.

No. 1049. Value of New Public Construction, by Source of Funds, Ownership, and Type: 1950 to 1962

[**In millions of dollars.** New series includes Alaska and Hawaii. For difference between old and new series, see headnote, table 1046. For old series, see also *Historical Statistics, Colonial Times to 1957*, series N 55-58, for source of funds]

Source of funds, ownership, and type of construction	Old series				New series			
	1950	1957	1958	1959	1959	1960	1961	1962
New public construction	6,866	14,079	15,457	16,107	16,211	15,953	17,034	17,706
Federal funds	2,087	4,307	5,518	6,482	6,545	6,118	6,290	6,462
Direct Federal	1,625	2,993	3,388	3,708	3,755	3,665	3,795	3,830
Federal grants-in-aid [1]	462	1,314	2,130	2,774	2,790	2,453	2,495	2,632
State and local funds	4,779	9,772	9,939	9,625	9,666	9,835	10,744	11,244
Federally owned	1,625	2,993	3,388	3,708	3,755	3,665	3,795	3,830
Residential	15	155	357	488	488	288	290	201
Nonresidential buildings	499	600	607	660	660	736	779	856
Industrial	224	473	408	368	368	407	444	395
Educational		8	11	11	11	20	28	30
Hospital	146	45	35	58	58	56	55	55
Other nonresidential	129	74	153	223	223	253	252	376
Military facilities	177	1,287	1,402	1,441	1,488	1,386	1,368	1,267
Highways	46	119	114	93	93	113	118	126
Conservation and development	881	818	885	981	981	1,051	1,163	1,287
All other federally owned	7	14	23	45	45	91	77	93
State and locally owned	5,241	11,086	12,069	12,399	12,456	12,288	13,239	13,876
Residential	330	351	489	472	474	428	550	737
Nonresidential buildings	1,888	3,907	4,046	3,839	3,854	4,056	4,353	4,262
Educational	1,133	2,817	2,864	2,635	2,645	2,798	3,023	2,954
Hospital	353	309	355	369	370	344	315	342
Other nonresidential	402	781	827	835	839	914	1,015	966
Highways	2,088	4,835	5,431	5,749	5,777	5,351	5,700	6,128
Sewer and water systems	659	1,344	1,387	1,462	1,467	1,487	1,581	1,754
All other State and locally owned	276	649	716	877	884	966	1,055	995

[1] Construction programs currently receiving Federal grants-in-aid cover highways, schools, hospitals, airports, and miscellaneous community facilities.

Source: Department of Commerce, Bureau of the Census. Published in Department of Commerce, Business and Defense Services Administration, *Construction Review*.

No. 1050. Building Permit Activity—Value of Private Construction, by Type of Construction: 1959 to 1962

[**In millions of dollars.** Includes Alaska and Hawaii. Covers private construction authorized by building permits in 3,014 permit-issuing places, selected from the presently known total of about 10,000 places having building permit systems]

TYPE OF CONSTRUCTION	1959	1960	1961	1962 (prel.)
Total	**19,881**	**17,988**	**18,946**	**20,465**
New housing units	12,379	10,311	11,027	12,249
1-family	10,487	8,482	8,411	8,663
2- to 4-family	1,892	463	491	647
5-or-more-family		1,366	2,125	2,939
Nonhousekeeping	429	300	403	401
New nonresidential buildings	5,176	5,478	5,544	5,813
Industrial buildings	923	932	898	969
Office buildings	915	969	951	1,098
Service stations and repair garages	(1)	114	132	130
Stores and other mercantile buildings	1,117	1,070	1,142	1,200
Religious buildings	486	444	447	467
Educational buildings	(1)	437	518	501
Hospitals and other institutional buildings	(1)	337	443	518
Amusement buildings	(1)	193	238	161
Residential garages	198	173	161	171
All other nonresidential buildings	(1)	810	615	598
Additions and alterations	1,897	1,899	1,971	2,002

[1] Not shown separately but included in new nonresidential buildings total.

Source: Department of Commerce, Bureau of the Census. Published in Department of Commerce, Business and Defense Services Administration, *Construction Review*.

No. 1051. Expenditures for Residential Upkeep and Improvements, by Tenure and Size of Property: 1962

[**In millions of dollars, except averages.** Includes Alaska and Hawaii. Based on sample and subject to sampling variability. Not comparable with previous data. See source for definitions, coverage, and methodology]

TYPE OF WORK	Total, all properties	OWNER OCCUPANTS OF PROPERTIES WITH 1 TO 4 HOUSING UNITS			Nonresident owners, and owners of properties with 5 or more housing units	Renters
		Total	1 housing unit	2 to 4 housing units		
Total	**11,358**	**7,105**	**6,036**	**1,069**	**3,919**	**334**
Average expenditure per property owner	248	----------	200	320	356	----------
Upkeep [1]	5,041	2,832	2,313	519	2,011	198
Heating and central air conditioning	307	198	160	38	100	9
Plumbing	677	327	272	55	328	22
Roofing	333	197	161	36	131	5
Flooring	256	190	157	33	50	16
Painting	2,188	1,295	1,066	229	781	112
Other	1,280	625	497	128	621	34
Improvements	6,317	4,273	3,723	550	1,908	136
Additions to residential structure	906	669	596	73	221	16
Additions and alterations on property outside residential structure	964	621	562	59	309	34
Alterations within residential structure	2,680	1,731	1,548	183	891	58
Heating and central air conditioning	248	202	198	4	40	6
Plumbing	168	130	121	9	32	6
Remodeling	693	288	255	33	403	2
Other	1,571	1,111	974	137	416	44
Replacements	1,767	1,252	1,017	235	487	28
Heating and central air conditioning	347	274	213	61	73	----------
Plumbing	438	273	222	51	156	9
Roofing	494	334	279	55	149	11
Other	488	371	303	68	109	8

[1] Represents maintenance and repairs.

Source: Department of Commerce, Bureau of the Census; *Construction Reports*, Series C50-7.

No. 1052. Cost Indexes for Construction and Selected Components of Construction: 1940 to 1962

[1947–49=100. Excludes Alaska and Hawaii, except as noted. Indexes of certain of these firms are published on bases different from those shown here. See also *Historical Statistics, Colonial Times to 1957*, series N 85-102]

ITEM	1940	1950	1957	1960	1961	1962
Bureau of Labor Statistics:						
Composite of materials prices and hourly earnings in building construction [1]	50.6	110.3	142.9	n.a.	n.a.	n.a.
Wholesale prices of building materials [2]	49.4	109.5	130.6	132.6	130.1	129.7
Average hourly earnings in building construction [3]	52.6	111.5	162.5	n.a.	n.a.	n.a.
Union hourly wage scales in the building trades [4]	63.3	110.7	155.3	177.3	184.3	191.1
Department of Commerce: Composite [5]	50	107	137	144	145	148
Bureau of Public Roads: Highways [6]	49.7	95.6	118.1	111.5	111.4	115.1
American Appraisal Company: Building construction [7]	43	106	141	154	158	161
Associated General Contractors of America: General construction [8]	58	110	149	165	168	172
E. H. Boeckh and Associates: [9]						
Small residential structures: Composite	50.5	107.7	131.8	139.7	140.1	142.5
Apartments, hotels, and office buildings: Composite	54.8	109.6	141.2	151.6	153.5	157.2
Commercial and factory buildings: Composite	55.2	109.5	143.7	154.4	155.6	158.9
Engineering News-Record: [10]						
Building construction	60.3	111.6	151.2	166.3	168.9	172.4
General construction	53.7	113.2	160.8	182.9	188.1	193.5
George A. Fuller Company: Commercial buildings [11]	53	101	136	150	155	162
Turner Construction Company: Building construction [12]	48	105	142	145	146	149
Whitman Requardt and Associates (Handy-Whitman Index): [13]						
Public-utility construction:						
Building	53	112	165	176	175	177
Gas plant	58	111	165	181	184	187
Electric light and power [14]	62	113	169	176	173	174

n.a. Not available.

[1] Represents combination of indexes of wholesale prices of building materials (weighted 61.4 percent) and average of hourly earnings in building construction (weighted 38.6 percent).

[2] Includes Alaska and Hawaii. Covers materials either (*a*) physically incorporated as integral part of a building or (*b*) normally installed during construction and not removable without seriously impairing building. Excludes consumer durables, as kitchen ranges, refrigerators, etc.

[3] Covers both full- and part-time construction workers through working foreman level, engaged on-site or off-site in actual construction work (including preassembly and precutting operations) who are employed by general contractors and by subcontractors engaged in special trades, such as plumbing, painting, etc. Excludes all nonconstruction workers employed by these firms.

[4] Based on minimum wage rates agreed upon through collective bargaining; excludes overtime. As of June 1 for 1940; July 1, thereafter.

[5] Covers both building and nonbuilding construction excluding maintenance and repair. Represents a weighted average of various indexes both private and government, used for different types of construction.

[6] Based on average contract unit bid prices for composite mile (involving specific average amounts of excavation, paving, reinforcing steel, structural steel, and structural concrete).

[7] Average for 30 cities of 4 types of buildings: Wood-frame, brick-wood frame, brick-steel frame, and reinforced concrete. Covers materials and labor costs in structural portion of buildings but excludes materials and labor prices for plumbing, heating, lighting, sprinklers, and elevators. Reflects employee-benefit costs, and allows for contractors' overhead and profit.

[8] Covers both building and nonbuilding construction. Wages and materials for 12 cities combined in 40-60 ratio. Wages are for hod carriers and common laborers only. Materials weighted: Sand, gravel, crushed stone, cement, common brick, and lumber, 1 each; hollow tile, ½; and structural and reinforcing steel (together) ½. Excludes taxes and employee-benefit costs.

[9] Average of 20 cities for types shown. Weights based on surveys of actual building costs and vary with different types of structures. Wage rates used for both common and skilled labor. Reflects payment of sales taxes and social security payroll taxes. Unweighted averages from Boeckh series prepared by Department of Commerce, Bureau of the Census.

[10] Building construction index computed on basis of hypothetical unit of construction requiring 6 bbls. of portland cement, 1.088 M bd. ft. of 2" x 4" lumber, 2,500 lbs. of structural steel, and 68.38 hours of skilled labor. General construction index based on same materials components combined with 200 hours of common labor. Not adjusted for changes in materials availability, competitive conditions, efficiency of plant and management, productivity, or related factors.

[11] Composite of 36 major cost elements in 3 commercial-type buildings including structural elements and elevators, wiring, plumbing, heating, and ventilating. Job costs include both skilled and unskilled labor, and series reflects employee-benefit costs.

[12] Eastern cities. Based on firm's cost experience with respect to labor rates, materials prices, competitive conditions, efficiency of plant and management, and productivity. Reflects payment of sales taxes and employee-benefit costs.

[13] Based on data covering public utility construction costs (building construction, gas plant construction, and electric light and power construction) for 95 items in 6 geographical regions of the U.S. Job costs include both skilled and common labor. Indexes do not reflect tax payments nor employee-benefit cost. Department of Commerce, Bureau of the Census, has converted these series to a 1947-49 base, and combined the various items into a single index.

[14] As derived by Department of Commerce, Bureau of the Census; covers steam production plants only; excludes hydraulic plants.

Source: Department of Labor, Bureau of Labor Statistics, *Construction Cost Indexes* (Report No. 73), and records; and Department of Commerce, Bureau of the Census. Published in Department of Commerce, Business and Defense Services Administration, *Construction Review*.

No. 1053. Construction Materials—Indexes of Wholesale Prices: 1950 to 1962

[1957–59=100. Includes Alaska and Hawaii]

COMMODITY	1950	1955	1960	1962 [1]	COMMODITY	1950	1955	1960	1962 [1]
All construction materials	83.0	95.1	100.5	98.3	Metals and products—Continued				
Lumber and wood products:					Enameled iron fixtures	95.6	108.0	104.8	97.7
Softwoods:					Vitreous china fixtures	94.4	98.4	102.5	91.0
Douglas fir	97.4	108.1	99.0	96.5	Brass fittings	72.8	91.7	103.6	106.9
Southern pine	94.1	100.4	100.1	97.7					
Other softwoods	89.2	102.6	97.2	95.7	Heating equipment	86.4	94.6	98.2	93.2
Hardwoods	93.8	97.9	103.8	94.1	Steam and hot water equipment	73.5	89.0	102.9	102.5
Millwork	87.7	98.4	104.5	98.3	Metal doors, sash, and trim	79.0	100.2	95.3	94.4
Plywood	108.4	107.4	97.8	101.8					
Softwood	121.5	117.7	92.9	92.4	Nonmetallic mineral items:				
Hardwood	96.7	97.9	102.8	87.3	Plate glass	78.1	92.8	96.4	86.9
Building paper and board	74.9	91.1	101.4	97.8	Concrete ingredients	77.1	90.2	102.7	103.2
					Portland cement	72.1	87.7	103.5	103.1
Prepared paint	77.8	89.7	100.7	97.2	Concrete products	82.4	92.7	102.4	102.6
					Concrete pipe	73.4	89.8	104.4	104.8
Metals and products:									
Structural steel shapes	62.3	78.2	102.8	103.8	Structural clay products	71.7	89.3	103.1	103.5
Reinforcing bars	61.0	83.7	102.3	102.8	Gypsum products	80.0	93.4	101.9	105.0
Black steel pipe, carbon	61.1	79.6	99.9	95.0	Prepared asphalt roofing	86.5	90.5	91.6	94.8
					Insulation materials	97.9	103.2	100.7	94.5
Wire nails, 8d common	64.1	84.1	98.5	98.8					
Copper water tubing	73.5	106.1	99.6	96.8	Linoleum, inlaid	77.3	93.7	104.6	102.0
Building wire	73.1	103.9	99.1	99.2	Asphalt floor tile	92.0	97.4	102.4	101.4
Plumbing fixtures and brass fittings	84.5	98.0	103.2	100.1	Rubber floor tile	83.9	94.2	100.5	100.2

[1] Preliminary.

Source: Department of Labor, Bureau of Labor Statistics.

No. 1054. Federal Expenditures for Public Works: 1955 to 1964

[**In millions of dollars.** For years ending June 30. Includes public works in United States, Trust Territory of the Pacific Islands, Panama Canal and Canal Zone, and structures in foreign countries owned by the U.S. Government (e.g., Department of State, foreign service buildings). From administrative budget accounts and trust funds. Comprises direct Federal works and grants and loans to State and local governments for public works

FUNCTION	1955	1959	1960	1961	1962	1963 estimate	1964 estimate
Civil public works [1]	1,716	4,535	5,011	4,925	5,310	6,463	7,203
International affairs and finance	5	35	28	14	25	22	21
Space research and technology [2]	22	25	54	98	114	350	559
Agriculture and agricultural resources	43	31	43	40	46	65	72
Natural resources	830	1,096	1,123	1,307	1,453	1,560	1,621
Commerce and transportation	665	2,831	3,161	2,891	3,017	3,611	4,046
Housing and community development	−87	25	21	33	76	130	165
Health, labor, and welfare	38	127	131	134	135	148	167
Education	137	188	211	186	193	268	216
Veterans benefits and services	33	49	60	59	62	72	74
General government	29	128	178	161	189	237	262
National defense public works	2,408	2,150	1,835	1,898	1,627	1,612	1,810
Military public works	1,612	1,942	1,618	1,605	1,348	1,331	1,459
Civil defense public works				(3)	6	17	66
Atomic energy facilities	787	207	218	293	273	263	285
Defense production expansion and other	8	1	−1				

[1] Excludes nonconstruction costs; includes proposed legislation.
[2] For 1955, principally aeronautics programs. [3] Less than $500,000.

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

No. 1055. Value of Contract Awards for New Public Construction, by Ownership and Type of Construction: 1955, 1960, and 1962

[**In millions of dollars.** Beginning 1960, includes Alaska and Hawaii. Includes force-account construction (work done by government agencies' own employees to perform nonmaintenance construction) and major additions and alterations. Federal may exclude some classified projects. State and local represents work under the jurisdiction of State, county, municipal, or other non-Federal governmental units, including projects under Federal-aid programs]

Ownership and type of construction	1955	1960	1962	Ownership and type of construction	1955	1960	1962
All public construction	9,001	12,928	12,842	**State and locally owned**	7,445	10,750	11,213
Federally owned	1,556	2,178	1,629	Residential building	210	454	546
Residential building	61	269	68	Nonresidential building	2,842	3,670	3,626
Nonresidential building	886	760	685	Highway	2,934	4,626	4,795
Airfields	157	396	283	Sewerage systems	502	701	888
Conservation and development	272	344	257	Water supply facilities	394	528	457
Highway	59	129	85	Public service enterprises	378	423	333
Electric power utilities	44	164	147	All other State and locally owned	185	348	568
All other Federally owned	78	117	102				

Source: Department of Commerce, Bureau of the Census. Published in Department of Commerce, Business and Defense Services Administration, *Construction Review*.

No. 1056. Construction Contracts—Value of Construction and Floor Space of Buildings, by Class of Construction: 1958 to 1962

[**Value in millions of dollars; floor space in millions of square feet.** Excludes Alaska and Hawaii]

Class of construction	Value of construction					Floor space of buildings				
	1958	1959	1960	1961	1962	1958	1959	1960	1961	1962
Total	35,090	36,268	36,318	37,135	41,303	2,101	2,337	2,154	2,203	2,414
Nonresidential buildings:										
Commercial [1]	3,197	3,496	3,725	3,797	4,216	243	281	283	293	326
Industrial	1,400	1,880	2,114	1,814	2,086	113	158	178	150	174
Educational and science	2,907	2,666	3,005	3,015	3,060	201	181	196	194	191
Hospital	879	865	832	985	1,079	38	38	36	44	49
Public buildings	655	605	679	671	677	37	34	33	33	34
Religious	746	799	789	805	811	51	54	53	53	53
Social and recreational	500	601	631	623	704	37	43	44	41	40
Miscellaneous	664	474	464	403	377	47	35	31	29	27
Residential buildings	14,696	17,150	15,105	16,123	18,039	1,333	1,512	1,300	1,364	1,520
Public works	6,802	5,804	6,946	6,911	7,905	n.a.	n.a.	n.a.	n.a.	n.a.
Utilities	2,644	1,928	2,026	1,985	2,350	n.a.	n.a.	n.a.	n.a.	n.a.

n.a. Not available.
[1] Includes nonindustrial warehouses.

Source: F. W. Dodge Corp., New York, N.Y. Published currently in *Dodge Construction Contract Statistics Service*.

No. 1057. Construction Contracts—Value, by States: 1940 to 1962

[**In millions of dollars.** See headnote, table 1056. Represents value of construction in States in which work was actually done. Beginning 1958, shown on revised basis; therefore not comparable with prior years]

STATE	1940	1950	1955	1958	1959	1960	1961	1962
Total [1]	4,004	14,501	23,745	35,090	36,268	36,318	37,135	41,303
Alabama	57	227	320	540	623	467	497	721
Arizona				414	459	453	550	477
Arkansas	29	126	139	234	292	286	281	309
California				4,368	4,875	4,947	5,249	5,730
Colorado				478	510	461	550	667
Connecticut	85	290	565	543	552	618	595	601
Delaware	17	62	114	122	116	98	128	151
District of Columbia	65	97	119	164	171	222	232	231
Florida	167	532	1,047	1,431	1,655	1,443	1,435	1,642
Georgia	91	296	480	649	692	606	757	800
Idaho				151	122	115	142	155
Illinois	268	930	1,921	1,857	2,068	2,098	1,968	2,001
Indiana	126	389	649	727	821	803	830	886
Iowa	59	194	271	419	391	411	407	406
Kansas	52	214	512	462	457	462	426	473
Kentucky	57	191	375	481	476	486	506	646
Louisiana	70	311	612	678	661	579	589	659
Maine	14	40	154	152	133	116	125	118
Maryland	123	536	821	651	745	706	761	990
Massachusetts	150	486	759	824	796	764	799	1,111
Michigan	217	838	1,329	1,307	1,359	1,410	1,301	1,353
Minnesota	66	301	512	686	669	661	678	669
Mississippi	52	103	172	225	274	288	239	267
Missouri	122	368	688	770	742	807	698	912
Montana				162	134	133	195	193
Nebraska	26	106	221	246	262	288	307	321
Nevada				102	99	130	190	324
New Hampshire	12	34	86	124	125	103	109	105
New Jersey	165	748	1,010	1,136	1,200	1,235	1,293	1,376
New Mexico				299	264	220	199	242
New York	474	1,767	2,655	3,557	3,000	3,693	3,547	3,838
North Carolina	81	288	353	534	643	652	622	775
North Dakota	7	63	85	172	138	141	122	215
Ohio	267	978	2,035	2,049	2,046	1,924	2,039	2,062
Oklahoma	54	253	434	507	462	489	509	563
Oregon				384	354	365	415	450
Pennsylvania	268	1,138	1,539	1,586	1,567	1,439	1,555	1,827
Rhode Island	55	90	93	108	148	118	139	132
South Carolina	49	134	233	349	168	333	303	335
South Dakota	10	62	87	152	307	186	186	138
Tennessee	106	397	469	477	636	618	576	852
Texas	254	1,072	1,487	2,042	2,035	2,021	2,140	2,453
Utah				268	227	195	262	275
Vermont	9	21	35	72	79	51	61	70
Virginia	169	393	666	706	757	968	928	978
Washington				673	831	632	679	809
West Virginia	41	96	137	249	236	198	203	198
Wisconsin	83	332	562	696	689	753	702	705
Wyoming				106	109	121	111	92

[1] Excludes Alaska and Hawaii. Total for 37 Eastern States and D.C. through 1955; 48 States and D.C. thereafter.

Source: F. W. Dodge Corp., New York, N.Y. Published currently in *Dodge Construction Contract Statistics Service.*

No. 1058. Construction Contracts—Indexes of Value: 1940 to 1963

[1947–49=100, 1940–55; 1957–59=100, beginning 1956. Indexes are derived from monthly figures of construction contracts reported by F. W. Dodge Corporation. Reports covered 37 States and D.C. through 1955, and 48 States and D.C. thereafter. Indexes through 1955 based on 3-month moving average, centered at middle month; indexes beginning 1956 based on monthly data. More detailed description of old index, including seasonal adjustments, obtainable from Division of Research and Statistics, Board of Governors of the Federal Reserve System]

YEAR	Total	Residential	All other	YEAR AND MONTH	Total	Residential	All other
1940	44	43	44	1962:			
1945	36	16	50	January	92	95	90
				February	95	96	95
1947	84	86	83	March	138	125	149
1948	102	98	105	April	134	146	125
1949	113	116	111	May	139	146	134
1950	159	185	142	June	135	133	137
1951	171	170	172	July	130	130	130
1952	183	183	183	August	126	132	121
1953	192	178	201	September	114	122	107
1954	215	232	204	October	119	129	111
1955	261	280	248	November	111	109	112
				December	111	94	125
1956	91	86	96				
1957	93	87	98	1963:			
1958	102	99	105	January	96	100	94
1959	106	115	98	February	101	97	104
				March	124	132	119
1960	106	102	109	April	138	159	122
1961	108	108	108				
1962	119	121	119				

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

No. 1059. Contracts Awarded and Planning Backlog, by Type: 1940 to 1962

[**In millions of dollars.** Beginning 1959, includes Alaska and Hawaii. Covers U.S. construction projects of following minimum costs: for 1940 and 1945, waterworks, excavation, drainage, and irrigation, $15,000; other public works, $25,000; industrial plants, $40,000; other buildings, $150,000. For 1950, minimums were: $28,000, $50,000, $68,000, and $250,000. For 1955, 1957, and 1958, minimums were: $44,000, $73,000, $93,000, and $344,000. For 1959–62, minimums were: $53,000, $88,000, $110,000, and $400,000. See also *Historical Statistics, Colonial Times to 1957*, series N 75–84]

YEAR	Total	PUBLIC WORKS						PRIVATE BUILDINGS		Unclassified
		Waterworks	Sewerage	Bridges[1]	Earthwork, irr., drain.	Streets, roads	Buildings[2]	Industrial plants	Commercial	
CONTRACTS AWARDED										
1940	3,987	70	91	120	234	678	1,196	594	400	603
1945	2,289	61	35	53	57	227	463	635	387	371
1950	13,342	215	287	369	417	1,268	3,754	1,683	4,092	1,256
1955	18,722	314	402	546	546	2,137	1,987	2,951	7,794	2,046
1957	17,986	369	556	781	969	2,965	2,995	3,081	4,795	1,475
1958	19,165	306	618	713	1,045	3,729	3,664	1,756	5,534	1,799
1959	20,423	376	655	570	915	2,899	3,195	2,993	6,861	1,958
1960	22,654	455	619	794	780	3,401	3,300	2,792	8,051	2,462
1961	21,981	431	819	651	804	3,712	3,427	2,817	7,636	1,685
1962	22,123	391	777	601	1,075	4,037	3,490	2,544	7,376	1,832
BACKLOG OF ADVANCE PLANNING (DEC. 31)										
1950	52,113	1,387	2,182	1,692	7,282	4,598	12,050	5,753	6,963	10,206
1955	93,053	1,990	2,988	2,760	11,203	11,313	16,405	14,302	15,767	16,235
1957	111,482	2,422	3,362	3,401	12,370	13,180	20,208	16,774	20,253	19,513
1958	114,175	2,660	3,576	3,419	11,906	12,920	20,658	17,075	22,392	19,569
1959	118,319	2,844	3,820	3,532	12,091	12,960	21,343	17,163	23,980	20,586
1960	124,700	2,919	4,117	3,385	12,135	13,634	22,724	17,986	27,274	20,526
1961	126,635	3,157	4,369	3,266	12,350	13,202	22,968	17,950	29,111	20,262
1962	126,548	3,124	4,597	3,436	12,381	12,923	23,025	17,600	29,471	19,992

[1] Includes private; amount of contracts awarded in 1962, $1,395,000; amount in backlog of proposed work in 1962, $117,161,000.

[2] Beginning 1950, includes contracts awarded for atomic energy plants as follows (in millions): 1950, $2,020; 1955, $131; 1957, $56; 1958, $84; 1959, $241; 1960, $50; 1961, $82; 1962, $106.

Source: McGraw-Hill Publishing Co., New York, N.Y.; *Engineering News-Record* and *Construction Daily*.

No. 1060. Engineering Construction Contracts Awarded—Value, by Type, by States: 1962

[In thousands of dollars. Covers U.S. construction projects of following minimum costs: Waterworks, excavation, and irrigation, $53,000; other public works, $88,000; industrial plants, $110,000; other buildings, $400,000]

State	Total	Public works contracts						Private building contracts		Unclassified
		Waterworks	Sewerage	Bridges[1]	Earthwork, irrigation, drainage	Streets, roads	Buildings [2]	Industrial plants	Commercial	
United States	**22,123,460**	**391,477**	**777,159**	**601,395**	**1,074,941**	**4,036,561**	**3,490,238**	**2,543,644**	**7,376,253**	**1,831,792**
Alabama	266,040	5,812	9,139	7,326	4,551	29,810	59,279	12,637	83,663	53,823
Alaska	93,206	1,693	1,011	2,314	2,339	25,606	17,010	11,400	2,023	29,810
Arizona	147,398	2,608	4,290	867	11,250	42,569	22,982	29,000	8,150	25,682
Arkansas	190,964	1,386	2,647	3,224	42,644	46,776	47,805	16,649	15,201	14,632
California	2,507,029	73,711	106,910	27,575	216,171	297,605	360,952	210,696	1,024,394	189,015
Colorado	465,762	18,468	3,263	3,512	29,278	42,441	89,507	11,439	218,132	49,722
Connecticut	259,973	3,033	19,019	9,168	4,683	73,162	69,071	19,721	57,717	4,399
Delaware	107,390	-------	1,801	6,471	10,555	23,108	15,222	15,730	25,240	9,263
Dist. of Columbia	168,233	584	15,346	15,961	1,683	28,685	21,792	500	70,794	12,888
Florida	846,668	11,509	32,114	12,906	33,017	171,218	65,189	80,909	334,491	105,315
Georgia	554,310	3,877	9,902	15,024	3,381	120,849	80,042	47,061	245,749	28,425
Hawaii	101,965	3,279	7,734	-------	4,506	5,147	17,172	6,515	38,572	19,040
Idaho	85,105	269	2,345	2,746	1,340	31,154	24,520	4,868	4,427	13,436
Illinois	1,045,338	19,821	50,262	58,278	16,976	194,884	210,720	154,933	307,032	32,432
Indiana	464,997	7,003	23,662	25,266	12,479	68,205	56,194	172,522	94,330	5,336
Iowa	180,380	2,452	8,134	16,714	20,211	62,490	29,935	2,949	29,801	7,694
Kansas	231,709	2,748	7,749	12,197	41,087	39,223	17,837	65,064	23,721	22,083
Kentucky	382,242	7,496	9,336	6,910	38,089	158,808	72,393	55,900	19,757	13,553
Louisiana	399,854	4,296	18,232	4,857	34,903	81,634	73,075	73,240	71,447	38,170
Maine	64,607	292	1,403	2,124	1,285	21,694	19,509	2,737	10,053	5,510
Maryland	447,941	10,928	18,063	25,579	6,828	87,102	104,207	33,160	127,970	34,104
Massachusetts	598,197	5,992	23,132	4,400	25,199	153,198	109,931	22,409	235,003	18,933
Michigan	445,543	20,947	53,467	6,274	8,883	119,110	85,325	64,357	67,781	19,399
Minnesota	269,711	11,344	18,729	5,165	8,158	69,647	43,484	20,328	83,304	9,552
Mississippi	129,664	6,725	3,845	5,028	12,768	30,170	21,490	15,359	13,303	20,976
Missouri	658,170	4,881	14,649	23,968	18,858	85,204	76,027	56,068	263,039	115,476
Montana	116,791	685	2,533	5,380	7,474	45,952	7,971	33,000	7,089	6,707
Nebraska	183,495	1,761	8,383	4,323	9,523	41,179	16,960	17,495	44,410	39,461
Nevada	41,090	-------	-------	-------	180	21,313	7,825	-------	4,167	7,605
New Hampshire	46,274	176	1,722	596	501	17,862	7,760	2,153	11,821	3,683
New Jersey	1,038,482	11,475	24,674	14,428	7,606	82,475	108,052	93,372	664,629	31,771
New Mexico	112,458	1,886	2,422	300	8,696	43,633	29,278	13,116	3,254	9,873
New York	1,822,527	12,777	49,559	65,109	27,113	280,202	404,315	64,368	717,686	201,398
North Carolina	359,493	9,147	13,170	9,165	3,361	63,265	44,869	54,279	129,837	32,400
North Dakota	166,751	610	142	2,160	1,987	29,728	14,458	37,383	929	79,354
Ohio	1,130,815	12,205	25,113	5,051	25,240	238,151	104,466	210,203	484,429	25,957
Oklahoma	281,244	9,257	4,339	18,714	61,168	67,428	49,041	25,058	25,238	21,001
Oregon	213,324	3,290	6,168	15,637	35,569	45,281	29,389	5,158	43,343	29,489
Pennsylvania	985,873	8,279	28,221	76,692	14,341	151,889	169,220	97,770	397,522	41,939
Rhode Island	59,377	399	228	2,158	585	14,547	14,486	5,626	17,764	3,584
South Carolina	242,346	9,219	4,296	4,863	2,421	34,833	32,185	60,951	56,485	37,093
South Dakota	93,973	-------	695	7,004	24,154	29,746	5,901	500	4,403	21,570
Tennessee	402,070	10,296	8,315	5,498	23,993	109,398	82,174	53,099	80,587	28,710
Texas	1,875,196	39,276	47,633	12,765	97,006	270,674	154,590	242,368	882,503	128,381
Utah	190,311	2,539	4,770	2,667	22,261	21,352	35,114	23,140	55,325	23,143
Vermont	44,950	-------	1,012	2,595	1,281	24,177	3,738	720	6,133	5,294
Virginia	524,700	3,830	12,304	13,174	5,838	99,478	94,362	113,196	119,749	62,769
Washington	452,771	10,074	29,716	14,288	61,652	74,419	151,899	22,108	62,288	26,327
West Virginia	202,418	-------	5,087	3,287	15,052	21,247	4,029	119,500	9,501	23,815
Wisconsin	340,622	8,239	30,326	5,455	4,330	73,341	104,958	41,515	64,850	7,608
Wyoming	83,713	4,903	147	6,232	2,487	25,492	1,628	1,415	7,217	34,192

[1] Includes bridges under private contracts amounting to $1,395,000.
[2] Includes $105,696,000 in contracts awarded for atomic energy plants.

Source: McGraw-Hill Publishing Co., New York, N.Y.; *Engineering News-Record* and *Construction Daily*.

No. 1061. New Housekeeping Residential Construction Authorized—Valuation and Number of Units, for Selected Standard Metropolitan Statistical Areas: 1960 to 1962

[Includes public housing contract awards. Authorizations cover only permit-issuing places within SMSA's. For definition of standard metropolitan statistical areas, see headnote, table 10]

Standard metropolitan statistical area	Valuation ($1,000)			Number of housing units		
	1960	1961	1962	1960	1961	1962
Atlanta	124,068	122,801	162,465	13,378	13,075	16,887
Baltimore	84,171	118,521	112,697	6,832	10,622	10,598
Birmingham	38,551	37,726	38,463	4,064	4,000	3,824
Boston	121,768	141,021	144,532	10,072	12,440	13,072
Buffalo	56,291	44,861	51,848	4,500	3,689	4,239
Chicago	565,511	618,226	528,645	41,348	45,371	41,398
Cincinnati	91,444	88,350	93,766	7,566	7,232	7,997
Cleveland	193,422	172,186	162,917	12,360	10,876	12,015
Columbus, Ohio	91,667	95,181	109,677	5,687	6,833	8,996
Dallas	149,256	183,064	188,450	13,754	17,639	20,822
Dayton	70,333	66,558	74,015	5,016	4,884	5,911
Denver	135,067	191,901	181,683	13,386	19,554	15,516
Detroit	227,202	214,809	266,491	16,400	15,686	19,019
Fort Worth	43,837	47,380	47,542	4,785	4,812	4,477
Honolulu	91,137	59,813	94,524	8,397	5,774	7,900
Houston	104,589	130,872	216,665	8,213	11,499	24,693
Indianapolis	51,998	66,165	67,176	4,570	5,997	6,443
Jacksonville	42,557	41,454	33,690	6,358	6,032	5,095
Kansas City	89,914	90,926	97,291	7,562	7,529	8,220
Los Angeles-Long Beach	945,412	1,123,805	1,351,339	81,676	94,309	114,214
Louisville	45,081	48,132	59,799	3,962	4,590	5,323
Memphis	33,322	37,368	36,273	5,102	5,096	4,738
Miami	142,800	114,626	112,336	11,593	10,207	10,277
Milwaukee	95,030	78,565	70,392	8,596	6,886	5,892
Minneapolis-St. Paul	168,749	170,967	184,867	12,745	13,689	15,497
New Orleans	61,678	78,853	96,743	5,093	6,274	6,679
New York	747,410	1,011,853	1,005,794	70,900	96,198	92,326
Orlando	48,087	45,084	38,050	5,375	4,774	3,437
Philadelphia	244,877	297,496	295,797	23,500	27,236	28,772
Phoenix	143,134	131,840	116,698	16,320	15,068	13,979
Pittsburgh	124,039	92,015	82,767	9,185	6,806	6,328
Sacramento	99,852	68,599	81,467	9,299	6,509	7,777
St. Louis	127,910	129,008	124,973	11,371	10,901	10,669
San Bernardino-Riverside-Ontario	133,840	131,494	190,824	13,290	12,688	17,801
San Diego	180,402	135,435	111,869	14,407	10,975	8,986
San Francisco-Oakland	321,206	366,850	448,278	28,085	32,664	37,081
San Jose	173,310	178,321	209,314	16,427	15,995	18,880
Santa Barbara	52,516	75,753	97,422	3,783	5,808	7,089
Seattle	103,976	124,202	180,647	7,583	9,112	13,656
Tampa-St. Petersburg	118,990	119,997	102,747	13,364	12,174	9,658
Tuscon	40,848	35,248	45,826	4,325	3,697	5,015
Washington D.C	220,265	278,065	359,076	20,329	26,741	37,635

Source: Department of Commerce, Bureau of the Census; *Construction Reports*, Series C42.

No. 1062. Housing Units Inside and Outside Standard Metropolitan Statistical Areas, by Geographic Divisions: 1950 and 1960

[Includes Alaska and Hawaii. The unit of enumeration was dwelling unit in 1950 and housing unit in 1960; see p. 742 for difference in definition. For definition of standard metropolitan statistical areas, see headnote table 10. For composition of divisions, see table 1073]

Division	1950				1960			
	Total		Inside SMSA's [1]	Outside SMSA's [1]	Total		Inside SMSA's	Outside SMSA's
	Number	Percent			Number	Percent		
United States	**46,137,076**	**100.0**	**27,142,919**	**18,994,157**	**58,326,357**	**100.0**	**36,386,215**	**21,940,142**
New England	2,879,409	6.2	1,961,179	918,230	3,521,663	6.0	2,359,780	1,161,883
Middle Atlantic	9,171,773	19.9	7,378,229	1,793,544	11,276,697	19.3	9,082,156	2,194,541
East North Central	9,334,211	20.2	5,868,958	3,465,253	11,657,510	20.0	7,609,912	4,047,598
West North Central	4,411,435	9.6	1,664,886	2,746,549	5,140,294	8.8	2,161,420	2,978,874
South Atlantic	5,996,267	13.0	2,735,531	3,260,736	8,032,524	13.8	4,123,786	3,908,738
East South Central	3,195,164	6.9	1,020,837	2,174,327	3,606,348	6.2	1,308,201	2,298,147
West South Central	4,462,354	9.7	2,006,551	2,455,803	5,533,816	9.5	2,898,628	2,635,188
Mountain	1,608,421	3.5	644,277	964,144	2,226,564	3.8	1,062,245	1,164,319
Pacific	5,078,042	11.0	3,862,471	1,215,571	7,330,941	12.6	5,780,087	1,550,854

[1] As defined in 1960.

Source: Department of Commerce, Bureau of the Census; *U.S. Census of Housing: 1950*, Vol. I, and *1960*, Vol. I.

No. 1063. New Housing Units Started, by Type: 1940 to 1962

[New series includes Alaska and Hawaii. In general, new series is more nearly complete in coverage than old, and is based on a broader definition of housing unit. Also, new series is derived from continuing field measurement of actual housing starts; old series relied on current field measurement only in areas where building permits not required. For detailed description of sources and methods, see *Construction Reports*, Series C20–11 (Supplement), May 1960. For old series, see also *Historical Statistics, Colonial Times to 1957*, series N 106–117]

YEAR	HOUSING UNITS STARTED (1,000)										ESTIMATED CONSTRUCTION COST ($1,000,000) [4]	
	Total	Area [1]		Type of structure			Type of financing					
		Metropolitan	Nonmetropolitan	1-family	2-family [2]	Multifamily [3]	Private			Public	Privately financed	Publicly financed
							Total	Government programs				
								FHA	VA			
OLD SERIES [5] (NONFARM)												
1940	603	n.a.	n.a.	486	37	80	530	n.a.	n.a.	73	2,072	227
1945	209	n.a.	n.a.	185	9	16	208	n.a.	n.a.	1	959	6
1950	1,396	1,022	374	1,154	45	197	1,352	487	n.a.	44	11,418	370
1955	1,329	976	353	1,194	33	102	1,310	277	393	19	14,346	199
1957	1,042	700	342	873	33	136	993	168	128	49	12,127	567
1958	1,209	827	382	975	39	195	1,142	295	102	68	13,679	821
1959	1,379	946	432	1,095	53	231	1,343	333	109	37	16,464	464
NEW SERIES (NONFARM)												
1959	1,531	1,076	455	1,229	59	244	1,495	333	109	37	18,549	432
1960	1,274	888	386	987	51	237	1,230	261	75	44	15,596	528
1961	1,337	946	391	961	50	326	1,285	244	83	52	16,132	609
1962 (prel.)	1,458	1,042	416	970	55	433	1,429	261	78	30	17,937	347
NEW SERIES (NONFARM AND FARM)												
1959	1,554	1,077	477	1,251	59	244	1,517	333	109	37	19,398	432
1960	1,296	889	407	1,009	51	237	1,252	261	75	44	15,831	528
1961	1,365	948	417	989	50	326	1,313	244	83	52	16,476	609
1962 (prel.)	1,482	1,043	439	994	55	433	1,452	261	78	30	18,187	347

n.a. Not available.

[1] For definition of standard metropolitan statistical areas, see headnote, table 10: For old series, metropolitan segment corresponds to the 168 standard metropolitan statistical areas used in the 1950 census; for new series, 1959 and 1960 based on 1959 definitions (*Standard Metropolitan Statistical Areas, 1959*, Bureau of the Budget). Beginning 1961, based on 1961 revision (*Standard Metropolitan Statistical Areas, 1961*, Bureau of the Budget).

[2] Includes 1- and 2-family structures with stores. [3] Includes multifamily structures with stores.

[4] Private construction costs based on permit valuation, adjusted for understatement of costs shown on permit applications, supplemented by reported estimates of construction costs in nonpermit areas. Public construction costs based on contract values or estimated construction costs for individual projects.

[5] Permanent units only.

Source: 1940–1958, Department of Labor, Bureau of Labor Statistics, *Nonfarm Housing Starts, 1889–1958* (Bulletin No. 1260); beginning 1959, Department of Commerce, Bureau of the Census, *Construction Reports*, Series C20, and records.

No. 1064. Mobile Homes and Travel Trailers—Manufacturers Shipments: 1957 to 1963

[A mobile home, or housing-type trailer, is a vehicular portable structure built on a chassis and designed to be used without a permanent foundation as a year-round dwelling when connected to utilities. Mobile homes are defined as units over 28 feet long and weighing over 4,500 pounds; travel trailers, as units less than 29 feet long, regardless of weight, or weighing less than 4,500 pounds, regardless of length. Excludes units designed for commercial uses, pickup cabs, folding campers, and amphibious units]

YEAR AND MONTH	Total	Mobile homes	Travel trailers	Total shipments as percent of private housing starts
1957	143,490	n.a.	n.a.	[1] 14.5
1958	133,800	n.a.	n.a.	[1] 11.7
1959	162,500	120,500	42,000	10.7
1960	144,000	103,700	40,300	11.5
1961	130,700	90,200	40,500	10.0
1962	175,000	118,000	57,000	12.0
1963:				
January	11,440	8,080	3,360	14.2
February	14,760	9,690	5,070	17.1
March	18,530	11,080	7,450	15.3

n.a. Not available.

[1] Based on private nonfarm housing starts, "old series." See table 1063.

Source: Department of Commerce, Business and Defense Services Administration; *Construction Review*.

No. 1065. Number and Average Construction Cost of New Privately Owned Nonfarm One-Family Housing Units Started: 1940 to 1963

[New series includes Alaska and Hawaii. Average cost of all such housing 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. For difference between old and new series, see headnote, table 1063]

YEAR	Number of housing units started	Average construction cost per unit	YEAR AND MONTH	Number of housing units started	Average construction cost per unit
OLD SERIES			NEW SERIES		
1940	447,600	$4,075	1959	1,211,700	$13,425
1945	184,600	4,650	1960	972,300	13,800
			1961	946,400	13,875
			1962	965,200	14,325
1948	763,200	7,850	January	53,100	14,250
1949	792,400	7,625	February	52,600	13,625
1950	1,150,700	8,675	March	78,000	14,225
			April	98,900	14,250
1951	892,200	9,300	May	105,700	14,525
1952	939,100	9,475	June	93,400	14,425
1953	932,800	9,950			
1954	1,077,300	10,625	July	93,300	14,525
1955	1,190,000	11,350	August	97,900	14,400
			September	73,400	14,625
			October	87,000	14,100
1956	980,700	12,225	November	77,200	14,350
1957	840,200	13,025	December	54,700	14,375
1958	932,500	12,950			
1959	1,078,500	13,450	1963, January	46,200	14,825

Source: Department of Commerce, Bureau of the Census. Published in Department of Commerce, Business and Defense Services Administration, *Construction Review*.

No. 1066. Occupied Housing Units—Percent of Home Ownership, by Color, and Regions: 1950 and 1960

[Beginning 1960, includes Alaska and Hawaii. The unit of enumeration was dwelling unit in 1950 and housing unit in 1960; see p. 742 for difference in definition. For composition of Census regions, see fig. I, p. XII]

TENURE	1950					1960				
	United States	Northeast	North Central	South	West	United States	Northeast	North Central	South	West
TOTAL										
Occupied housing units	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Owner occupied	55.0	48.4	60.7	53.7	57.3	61.9	56.1	67.0	62.0	61.3
Renter occupied	45.0	51.6	39.3	46.3	42.7	38.1	43.9	33.0	38.0	38.7
WHITE										
Occupied housing units	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Owner occupied	56.9	49.7	62.0	57.7	58.2	64.4	58.1	69.1	66.4	62.5
Renter occupied	43.1	50.3	38.0	42.3	41.8	35.6	41.9	30.9	33.6	37.5
NONWHITE										
Occupied housing units	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Owner occupied	34.9	21.6	33.9	37.2	40.2	38.4	27.0	35.8	41.6	44.6
Renter occupied	65.1	78.4	66.1	62.8	59.8	61.6	73.0	64.2	58.4	55.4

Source: Department of Commerce, Bureau of the Census; *U.S. Census of Housing: 1950*, Vol. I, and *1960*, Vol. I.

No. 1067. Vacant Housing Units—Condition and Status, Inside and Outside Standard Metropolitan Staitstical Areas: 1950 to 1963

[**Percent distribution.** Beginning 1960, includes Alaska and Hawaii. 1950 based on complete enumeration. Beginning 1960, based on sample data from Current Population Survey; see Technical Note, p. 217. For definition of standard metropolitan statistical areas, see headnote, table 10; covers 168 SMSA's as constituted in 1950]

Condition and status	Total				Inside SMSA's		Outside SMSA's	
	April 1950	1st qtr. 1960	1st qtr. 1962	1st qtr. 1963	April 1950	1st qtr. 1963	April 1950	1st qtr. 1963
All housing units	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Year-round vacant:								
Sound or deteriorating	3.3	6.2	6.5	6.4	2.8	5.8	4.0	7.4
For rent	1.1	2.6	2.8	2.6	1.1	2.7	1.2	2.4
For sale only	0.5	0.6	0.7	0.8	0.5	0.8	0.4	0.7
Rented or sold, awaiting occupancy	1.7	0.4	0.5	0.4	1.2	0.4	2.4	0.4
Held off market [1]		2.6	2.5	2.6		1.9		3.9
Dilapidated [1]	1.1	1.2	0.9	0.7	0.4	0.5	2.0	1.1
Seasonal vacant [1]	2.5	2.8	2.6	3.3	1.1	1.2	4.0	6.7
Occupied	93.1	89.8	90.0	89.6	95.7	92.5	90.0	84.8

[1] Unoccupied units and units temporarily occupied by nonresidents (persons with usual residence elsewhere).

Source: Department of Commerce, Bureau of the Census; *Current Housing Reports*, Series H-111.

No. 1068. Vacancy Rates—Regions, and Inside and Outside Standard Metropolitan Statistical Areas: 1950 to 1963

[**In percents.** Rental rate is relationship between vacant housing for rent and the total rental supply, which comprises renter-occupied units, vacant units already rented and awaiting occupancy, and vacant units available for rent. Home-owner rate is relationship between vacant housing for sale and the total home-owner supply, which comprises owner-occupied units, vacant units already sold and awaiting occupancy, and vacant units available for sale. For composition of regions, see fig. I, p. XII; for definition of standard metropolitan statistical areas, see headnote, table 10; covers 168 SMSA's as constituted in 1950]

Item and year	United States [1]	Regions				Inside SMSA's	Outside SMSA's
		Northeast	North Central	South	West [1]		
Rental vacancy rate:							
1950, April	2.6	1.5	1.7	3.4	4.9	2.2	3.2
1960, 1st quarter	7.2	4.4	7.7	8.3	9.7	6.1	9.2
1961, 1st quarter	8.0	4.6	8.5	8.9	11.0	7.2	9.4
1962, 1st quarter	7.7	4.5	9.2	8.8	8.5	7.5	8.0
1963, 1st quarter	7.2	4.9	7.8	8.0	8.5	6.8	8.0
Home-owner vacancy rate:							
1950, April	0.9	0.9	0.7	1.0	1.3	1.1	0.7
1960, 1st quarter	1.1	0.9	1.1	1.3	1.0	1.1	1.1
1961, 1st quarter	1.2	1.0	1.0	1.6	1.1	1.0	1.4
1962, 1st quarter	1.2	0.9	0.9	1.7	1.4	1.0	1.5
1963, 1st quarter	1.4	0.8	1.3	1.5	2.0	1.4	1.3

[1] Beginning 1960, includes Alaska and Hawaii.

Source: Department of Commerce, Bureau of the Census; *Current Housing Reports*, Series H-111.

No. 1069. Available Vacant Housing Units—Selected Characteristics: 1961 to 1963

[**Percent distribution.** First quarter figures. Includes Alaska and Hawaii. See headnote, table 1068]

Vacant rental units	1961	1962	1963	Vacant homeowner units	1961	1962	1963
Number of housing units in structure	100	100	100	Number of housing units in structure	100	100	100
1 housing unit	29	30	32	1 housing unit	96	92	93
2 to 4 housing units	36	34	35	2 housing units	3	5	5
5 housing units or more	35	36	33	3 housing units or more	1	3	2
Duration of vacancy at time of enumeration	100	100	100	Duration of vacancy at time of enumeration	100	100	100
Less than 1 month	30	28	29	Less than 1 month	17	12	14
1 to 2 months	13	13	14	1 to 2 months	13	9	12
2 to 4 months	19	16	18	2 to 4 months	20	21	16
4 months or more	38	43	39	4 months or more	50	58	58
Percent with all plumbing facilities	69	68	75	Percent with all plumbing facilities	87	91	90
Median number of rooms	3.2	3.2	3.5	Median number of rooms	5.4	5.4	5.2
Median monthly rent asked	$53	$53	$55	Median sale price asked	$12,500	$12,300	$12,600

Source: Department of Commerce, Bureau of the Census; *Current Housing Reports*, Series H-111.

No. 1070. Vacant Rental Housing Units—Selected Characteristics: 1961 and 1962

[**Percent distribution.** Second quarter figures. Includes Alaska and Hawaii. Represents nonfarm available-for-rent vacant units. See headnote, table 1068]

Characteristics	Monthly rent asked, 1961						Monthly rent asked, 1962					
	Total	Less than $30	$30 to $49	$50 to $59	$60 to $99	$100 or more	Total	Less than $30	$30 to $49	$50 to $69	$70 to $99	$100 or more
Percent of total	100	14	30	13	30	13	100	17	28	24	18	13
Number of rooms in unit	100	100	100	100	100	100	100	100	100	100	100	100
1 and 2 rooms	31	42	45	28	18	19	29	49	41	21	9	18
3 and 4 rooms	49	42	42	55	57	45	52	39	46	59	65	52
5 rooms or more	20	16	13	17	25	36	19	12	13	20	26	30
Number of housing units in structure	100	100	100	100	100	100	100	100	100	100	100	100
1 housing unit	28	53	23	29	24	24	30	49	29	28	27	20
2 housing units	20	11	21	18	25	19	18	10	19	26	20	9
3 and 4 housing units	16	10	18	17	18	11	16	10	18	18	17	12
5 housing units or more	36	26	38	36	33	46	36	31	34	28	36	59
Duration of vacancy at time of enumeration	100	100	100	100	100	100	100	100	100	100	100	100
Less than 1 month	32	16	27	36	37	38	33	21	30	34	43	38
1 to 2 months	14	9	14	13	15	21	13	12	11	15	13	16
2 to 4 months	18	14	18	16	20	22	15	11	15	14	17	21
4 months or more	36	61	41	35	28	19	39	56	44	37	27	25

Source: Department of Commerce, Bureau of the Census; *Current Housing Reports*, Series H-111, Nos. 25 and 29.

No. 1071. Fallout Shelters—Number of Facilities and Spaces Located, States and Other Areas: 1963

[**Spaces in thousands.** As of Feburary 15. "Facility" defined as any building, mine, or cave providing shelter space for 50 or more people and protection to extent that radiation would be reduced to at least 1/10 of what it would be with no protection. Based on the National Fallout Shelter Survey, Marking and Stocking Program]

State or other area	Facilities	Spaces	State or other area	Facilities	Spaces
Total	125,445	103,680	Nevada	189	156
			New Hampshire	340	155
Alabama	1,016	786	New Jersey	5,093	3,153
Alaska	246	110	New Mexico	349	163
Arizona	361	289	New York	33,740	24,342
Arkansas	1,250	761	North Carolina	1,264	899
California	6,134	7,945	North Dakota	360	109
Colorado	1,033	831	Ohio	5,598	4,197
Connecticut	2,500	2,057	Oklahoma	1,801	924
Delaware	355	202			
			Oregon	1,095	1,002
District of Columbia	1,703	1,948	Pennsylvania	7,615	7,343
Florida	812	608	Rhode Island	519	498
Georgia	915	1,051	South Carolina	587	297
Hawaii	345	183	South Dakota	400	179
Idaho	335	97	Tennessee	1,574	1,603
Illinois	7,285	9,946	Texas	2,955	2,957
Indiana	2,619	2,024	Utah	816	474
Iowa	1,643	943	Vermont	202	90
Kansas	1,404	1,099	Virginia	2,027	1,831
Kentucky	1,555	1,863			
			Washington	1,416	1,437
Louisiana	619	828	West Virginia	675	406
Maine	453	237	Wisconsin	3,198	1,984
Maryland	1,503	1,610	Wyoming	139	67
Massachusetts	5,287	3,740			
Michigan	3,725	2,948	Puerto Rico	1,065	456
Minnesota	2,915	1,964	Guam	20	8
Mississippi	261	180	Virgin Islands	15	2
Missouri	3,072	3,834	Canal Zone	93	41
Montana	486	136	American Samoa	1	(1)
Nebraska	2,467	687			

[1] Less than 1,000.

Source: Department of Defense, Office of Civil Defense; records.

No. 1072. Occupied Housing Units—Tenure, and Population Per Housing Unit, by Color of Occupants, and by Nonfarm and Farm Residence: 1890 to 1960

[**In thousands, except percent.** For conterminous United States, except as noted. Tenure allocated for housing units which did not report. Minus sign (−) denotes decrease. See also *Historical Statistics, Colonial Times to 1957*, series N 139-146]

Color of occupants, residence, and year	Occupied units [1]					Percent increase over preceding census		Population per occupied unit [2]
	Total	Owner occupied		Renter occupied		Total occupied units	Total population	
		Number	Percent	Number	Percent			
1890	12,690	6,066	47.8	6,624	52.2			5.0
1900	15,964	7,455	46.7	8,509	53.3	25.8	20.7	4.8
1910	20,256	9,301	45.9	10,954	54.1	26.9	21.0	4.5
1920	24,352	11,114	45.6	13,238	54.4	20.2	14.9	4.3
1930	29,905	14,280	47.8	15,624	52.2	22.8	16.1	4.1
1940	34,855	15,196	43.6	19,659	56.4	16.6	7.2	3.8
1950	42,826	23,560	55.0	19,266	45.0	22.9	14.5	3.5
1960	52,814	32,706	61.9	20,107	38.1	23.3	18.4	3.4
1960 [3]	53,024	32,797	61.9	20,227	38.1	23.4	18.5	3.4
COLOR OF OCCUPANTS								
White								
1890	11,255	5,794	51.5	5,462	48.5			4.9
1900	14,064	7,007	49.8	7,057	50.2	25.0	21.2	4.8
1910	n.a.	n.a.	n.a.	n.a.	n.a.		22.3	
1920	21,826	10,511	48.2	11,315	51.8		16.0	4.3
1930	26,983	13,544	50.2	13,439	49.8	23.6	16.3	4.1
1940	31,561	14,418	45.7	17,143	54.3	17.0	7.2	3.7
1950	39,044	22,241	57.0	16,803	43.0	23.7	14.1	3.5
1960	47,777	30,783	64.4	16,994	35.6	22.4	17.4	3.3
1960 [3]	47,880	30,823	64.4	17,057	35.6	22.5	17.5	3.3
Nonwhite								
1890	1,435	273	19.0	1,162	81.0			5.5
1900	1,900	448	23.6	1,452	76.4	32.4	17.1	4.8
1910	n.a.	n.a.	n.a.	n.a.	n.a.		11.5	
1920	2,526	603	23.9	1,923	76.1		6.3	4.3
1930	2,922	737	25.2	2,185	74.8	15.7	14.7	4.3
1940	3,293	778	23.6	2,516	76.4	12.7	7.7	4.1
1950	3,783	1,319	34.9	2,464	65.1	14.9	17.1	4.2
1960	5,037	1,923	38.2	3,114	61.8	33.1	27.0	4.0
1960 [3]	5,144	1,974	38.4	3,171	61.6	33.0	26.7	4.0
RESIDENCE								
Nonfarm								
1890	7,923	2,924	36.9	4,999	63.1		n.a.	n.a.
1900	10,274	3,790	36.9	6,484	63.1	29.7	n.a.	n.a.
1910	14,132	5,454	38.6	8,678	61.4	37.5	n.a.	n.a.
1920	17,600	7,189	40.8	10,411	59.2	24.5	n.a.	4.2
1930	23,300	10,721	46.0	12,579	54.0	32.4	25.0	4.0
1940	27,748	11,413	41.1	16,335	58.9	19.1	9.5	3.7
1950	37,105	19,802	53.4	17,304	46.6	33.7	25.8	3.4
1960 [3] [4]	*49,458*	*30,164*	*61.0*	*19,294*	*39.0*	*33.3*	*30.0*	*3.4*
Farm [5]								
1890	4,767	3,143	65.9	1,624	34.1		n.a.	n.a.
1900	5,690	3,665	64.4	2,025	35.6	19.4	n.a.	n.a.
1910	6,124	3,847	62.8	2,276	37.2	7.6	n.a.	n.a.
1920	6,751	3,925	58.1	2,827	41.9	10.2	n.a.	4.7
1930	6,605	3,560	53.9	3,045	46.1	−2.2	−4.6	4.6
1940	7,107	3,783	53.2	3,324	46.8	7.6	0.2	4.3
1950	5,721	3,758	65.7	1,963	34.3	−19.5	−23.7	4.0
1960 [3] [4]	*3,566*	*2,633*	*73.8*	*933*	*26.2*	*−37.7*	*−41.7*	*3.8*

n.a. Not available.

[1] Statistics on the number of occupied units are essentially comparable although identified by various terms—the term "family" applies to figures for 1930 and earlier; "occupied dwelling unit," 1940 and 1950; and "occupied housing unit," 1960. For 1890, 1910, and 1920, includes the small number of quasi-families; 1900 and 1930 represent private families only.

[2] Total population, which includes the population in group quarters and quasi-family groups, divided by the number of occupied units. This concept was used for consistency; population counts, exclusive of persons in group quarters and quasi-family groups, are not available for some of the census years.

[3] Includes Alaska and Hawaii.

[4] Not comparable with data for earlier censuses because of a basic change in definition of farm residence. See text, p. 742.

[5] For 1890 to 1920, "Farm" contains a small proportion of urban-farm families in addition to the rural-farm families.

Source: Department of Commerce, Bureau of the Census; *U.S. Census of Housing: 1960*, and records.

No. 1073. Housing Units—Selected Characteristics, by States: 1960

[For definition of median, see headnote, table 18]

State	All housing units: Total (1,000)	All housing units: Percent— With all plumbing facilities [1]: Sound	All housing units: Percent— With all plumbing facilities [1]: Deteriorating	All housing units: Percent— Dilapidated or lacking one or more plumbing facilities	Occupied housing units: Total (1,000)	Occupied housing units: Percent— Owner occupied	Occupied housing units: Percent— Occupied by nonwhite	Occupied housing units: Medians: Rooms	Occupied housing units: Medians: Persons	Available vacant housing units, rate: Homeowner vacancy [2]	Available vacant housing units, rate: Rental vacancy [3]
United States	**58,326**	**74.0**	**7.8**	**18.2**	**53,024**	**61.9**	**9.7**	**4.9**	**3.0**	**1.6**	**6.7**
New England	**3,522**	**78.7**	**7.6**	**13.7**	**3,116**	**59.1**	**2.3**	**5.2**	**3.0**	**1.4**	**5.4**
Maine	365	61.2	7.2	31.5	280	66.5	0.4	5.4	3.0	1.6	6.8
N.H	224	72.9	8.7	18.4	180	65.1	0.3	5.3	2.9	1.7	6.1
Vt	136	68.4	10.7	20.9	111	66.0	0.1	5.8	3.0	1.5	6.2
Mass	1,691	81.1	8.0	11.0	1,535	55.9	2.3	5.3	3.0	1.2	5.0
R.I	287	78.7	6.6	14.7	257	54.5	2.0	5.1	2.9	1.2	6.6
Conn	819	84.8	6.7	8.6	753	61.9	3.8	5.1	3.1	1.5	5.0
Middle Atlantic	**11,277**	**81.2**	**8.4**	**10.4**	**10,406**	**55.2**	**7.7**	**5.1**	**2.9**	**1.2**	**3.8**
N.Y	5,696	81.3	8.9	9.8	5,249	44.8	8.3	4.7	2.8	1.2	3.2
N.J	1,999	85.2	7.0	7.9	1,806	61.3	7.5	5.2	3.1	1.3	3.9
Pa	3,582	78.8	8.5	12.7	3,351	68.3	7.0	5.6	3.0	1.1	5.5
East North Central	**11,658**	**77.1**	**7.8**	**15.1**	**10,711**	**66.7**	**7.2**	**5.1**	**3.0**	**1.4**	**6.7**
Ohio	3.041	77.6	8.2	14.2	2,853	67.4	7.3	5.3	3.0	1.5	6.6
Ind	1,503	73.0	8.4	18.5	1,388	71.1	5.1	4.9	3.0	1.3	7.0
Ill	3,276	78.0	7.4	14.6	3,085	57.8	9.4	4.9	2.9	1.2	5.6
Mich	2,549	78.7	8.1	13.2	2,239	74.4	8.4	5.3	3.1	1.5	9.7
Wis	1,289	75.0	6.9	18.1	1,146	68.6	1.8	5.3	3.0	1.2	5.4
West North Central	**5,140**	**68.6**	**8.0**	**23.3**	**4,668**	**67.8**	**3.7**	**5.0**	**2.8**	**1.3**	**6.7**
Minn	1,119	70.5	6.4	23.1	992	72.1	1.0	5.2	3.0	1.1	6.0
Iowa	905	69.8	9.2	21.0	841	69.1	0.9	5.4	2.8	1.0	5.4
Mo	1,491	65.8	7.3	26.9	1,360	64.3	8.2	4.7	2.7	1.6	7.1
N. Dak	195	60.6	5.6	33.8	173	68.4	1.3	5.1	3.3	1.4	5.3
S. Dak	216	61.5	7.6	31.0	195	67.2	2.4	5.2	3.1	1.1	5.6
Nebr	473	72.3	9.1	18.6	433	64.8	2.1	5.1	2.8	1.1	6.0
Kans	740	71.9	10.6	17.5	673	68.9	3.9	5.1	2.8	1.6	9.4
South Atlantic	**8,033**	**67.2**	**6.4**	**26.4**	**7,267**	**61.0**	**19.0**	**4.9**	**3.1**	**1.9**	**7.6**
Del	144	80.4	6.5	13.2	129	66.9	12.2	5.7	3.1	1.9	8.5
Md	935	81.4	6.7	11.8	863	64.5	14.3	5.5	3.2	1.8	6.2
D.C	263	84.9	6.4	8.7	252	30.0	44.1	4.0	2.3	1.9	4.4
Va	1,169	66.2	5.6	28.2	1,073	61.3	17.6	5.1	3.2	1.6	6.9
W. Va	574	56.7	9.2	34.1	521	64.3	4.5	5.1	3.2	1.2	7.9
N.C	1,323	57.1	6.4	36.5	1,205	60.1	20.8	4.9	3.3	1.1	6.4
S.C	678	54.3	6.4	39.4	604	57.3	29.3	4.8	3.4	1.3	7.7
Ga	1,170	58.4	6.7	34.9	1,070	56.2	24.6	4.8	3.2	1.6	5.9
Fla	1,777	78.3	5.6	16.1	1,550	67.5	14.5	4.7	2.6	3.5	12.7
East South Central	**3,606**	**53.0**	**6.7**	**40.3**	**3,307**	**61.8**	**19.5**	**4.7**	**3.2**	**1.3**	**6.3**
Ky	926	53.4	6.0	40.6	852	64.3	7.1	4.8	3.1	1.2	6.9
Tenn	1,084	57.2	7.0	35.8	1,003	63.7	14.7	4.8	3.1	1.5	6.2
Ala	967	53.5	7.1	39.4	884	59.7	25.8	4.8	3.2	1.6	6.8
Miss	629	44.5	6.6	48.9	568	57.7	36.5	4.6	3.2	1.0	4.8
West South Central	**5,534**	**64.8**	**9.3**	**25.9**	**4,929**	**63.7**	**14.9**	**4.7**	**3.0**	**2.0**	**9.6**
Ark	587	48.2	7.4	44.4	524	61.4	18.6	4.5	2.9	1.4	6.1
La	978	60.9	8.1	31.0	892	59.0	28.4	4.5	3.2	1.8	7.2
Okla	816	66.0	11.2	22.8	735	67.0	8.0	4.7	2.7	1.6	9.6
Tex	3,153	68.8	9.6	21.6	2,778	64.8	11.7	4.7	3.0	2.2	11.1
Mountain	**2,227**	**74.9**	**9.0**	**16.1**	**1,976**	**65.2**	**3.8**	**4.6**	**3.1**	**1.8**	**9.1**
Mont	233	68.1	10.1	21.9	202	64.0	2.3	4.5	2.9	1.4	9.3
Idaho	224	72.6	10.9	16.5	194	70.5	1.1	4.7	3.1	1.5	9.5
Wyo	113	72.0	10.5	17.5	99	62.2	1.6	4.5	3.0	1.2	8.0
Colo	595	76.4	8.2	15.4	529	63.8	2.7	4.8	2.9	1.7	8.1
N. Mex	282	69.5	8.2	22.3	251	65.3	5.7	4.5	3.4	1.6	9.2
Ariz	416	76.2	8.4	15.4	367	63.9	7.7	4.5	3.1	2.4	10.8
Utah	263	81.9	10.1	8.0	242	71.7	1.6	4.8	3.4	1.9	8.7
Nev	102	80.9	7.7	11.4	92	56.3	5.7	4.2	2.6	1.7	8.4
Pacific	**7,331**	**83.9**	**7.6**	**8.5**	**6,645**	**60.2**	**7.4**	**4.7**	**2.7**	**2.1**	**8.8**
Wash	1,010	78.4	9.8	11.8	894	68.5	2.9	4.9	2.7	1.8	11.8
Oreg	623	76.6	11.1	12.2	558	69.3	1.7	4.9	2.7	1.6	9.2
Calif	5,466	86.6	6.7	6.8	4,982	58.4	7.0	4.7	2.7	2.2	8.5
Alaska	67	57.7	9.3	32.9	57	48.3	16.3	3.7	3.1	1.8	6.8
Hawaii	166	69.6	10.2	20.2	153	41.1	64.1	4.5	3.7	1.1	4.1

[1] Includes hot and cold running water inside the structure and flush toilet and bathtub or shower inside the structure for exclusive use of the people in the unit.

[2] Base is total of units occupied by owners and available vacant units for sale.

[3] Base is total of units occupied by renters and available vacant units for rent.

Source: Department of Commerce, Bureau of the Census; *U.S. Census of Housing: 1960*, Vol. I.

No 1074. Housing Units With Selected Equipment—States: 1960

[In thousands. Data for heating equipment cover all units and for all other equipment, occupied units only; see table 1073. Based on a sample and subject to sampling variability]

STATE	Heating equipment	Clothes washing machine	Clothes dryer	Home food freezer [1]	Telephone available	Automobile available [1]	Air conditioning [2]	Television set [1]	Radio set [1]
U.S.	**57,298**	**39,059**	**9,085**	**9,757**	**41,618**	**41,605**	**6,584**	**46,312**	**48,504**
The North	31,271	22,088	6,094	4,965	24,367	22,473	2,996	26,247	27,078
The South	16,789	10,697	1,355	3,006	10,241	11,846	2,816	12,614	13,473
The West	9,238	6,274	1,636	1,786	7,011	7,286	772	7,452	7,953
New England	**3,471**	**2,369**	**377**	**318**	**2,664**	**2,470**	**152**	**2,867**	**2,936**
Maine	358	236	34	45	203	223	4	252	250
New Hampshire	221	146	22	25	140	149	6	163	167
Vermont	134	95	15	24	85	92	3	97	103
Massachusetts	1,674	1,120	170	112	1,340	1,172	77	1,419	1,457
Rhode Island	281	168	23	14	209	205	11	242	244
Connecticut	803	604	113	99	688	629	51	694	715
Middle Atlantic	**11,127**	**7,291**	**1,626**	**1,228**	**8,722**	**7,321**	**1,201**	**9,555**	**9,834**
New York	5,608	3,086	607	503	4,320	3,305	571	4,763	4,984
New Jersey	1,964	1,343	269	211	1,537	1,448	297	1,713	1,705
Pennsylvania	3,555	2,863	751	514	2,865	2,568	332	3,079	3,145
East North Central	**11,589**	**8,618**	**3,066**	**2,131**	**9,080**	**8,783**	**935**	**9,780**	**9,967**
Ohio	3,029	2,408	935	531	2,419	2,370	204	2,632	2,666
Indiana	1,494	1,104	404	335	1,126	1,168	121	1,250	1,238
Illinois	3,261	2,220	681	517	2,622	2,361	428	2,780	2,870
Michigan	2,527	1,889	732	431	1,928	1,917	119	2,072	2,096
Wisconsin	1,278	996	314	318	985	967	62	1,046	1,097
West North Central	**5,084**	**3,809**	**1,025**	**1,287**	**3,900**	**3,898**	**708**	**4,045**	**4,340**
Minnesota	1,106	839	257	315	866	842	59	863	943
Iowa	899	717	216	257	750	726	98	750	796
Missouri	1,479	1,035	208	274	1,058	1,058	234	1,160	1,227
North Dakota	191	149	55	80	135	150	4	148	164
South Dakota	212	163	51	72	151	168	15	164	184
Nebraska	466	363	104	132	367	367	100	379	406
Kansas	732	543	133	156	573	586	199	580	621
South Atlantic	**7,791**	**5,001**	**623**	**1,269**	**4,855**	**5,565**	**960**	**6,033**	**6,295**
Delaware	142	106	24	27	108	107	22	116	120
Maryland	923	650	122	144	691	679	129	790	806
Dist. of Columbia	262	103	11	19	209	133	54	211	227
Virginia	1,160	799	100	195	744	837	131	886	911
West Virginia	571	459	113	83	350	382	30	434	452
North Carolina	1,310	875	51	264	704	921	107	973	1,010
South Carolina	666	376	24	125	334	452	73	468	502
Georgia	1,155	696	69	215	660	794	132	857	932
Florida	1,602	937	109	197	1,055	1,260	283	1,299	1,334
East South Central	**3,574**	**2,415**	**285**	**669**	**1,987**	**2,400**	**514**	**2,536**	**2,881**
Kentucky	920	684	95	146	523	635	71	668	754
Tennessee	1,078	761	110	210	683	752	206	814	879
Alabama	957	614	55	171	523	634	147	677	771
Mississippi	620	355	25	141	257	378	89	377	477
West South Central	**5,425**	**3,281**	**447**	**1,068**	**3,398**	**3,881**	**1,341**	**4,044**	**4,297**
Arkansas	579	367	30	113	269	368	73	391	442
Louisiana	966	659	108	215	620	627	206	726	764
Oklahoma	805	470	72	136	548	598	219	619	639
Texas	3,075	1,785	237	604	1,962	2,288	843	2,308	2,452
Mountain	**2,195**	**1,502**	**318**	**526**	**1,501**	**1,698**	**220**	**1,636**	**1,815**
Montana	231	166	59	78	159	171	10	158	190
Idaho	222	166	57	75	147	171	15	166	183
Wyoming	112	78	23	35	77	88	5	77	93
Colorado	590	404	72	131	445	449	31	451	497
New Mexico	277	174	27	59	160	212	24	197	222
Arizona	400	254	20	66	237	316	101	299	326
Utah	262	202	51	63	210	211	20	213	223
Nevada	100	60	10	19	64	80	15	76	82
Pacific	**7,043**	**4,772**	**1,318**	**1,260**	**5,510**	**5,588**	**552**	**5,816**	**6,138**
Washington	1,005	716	329	236	759	745	45	780	838
Oregon	619	457	210	182	461	478	28	470	524
California	5,349	3,442	754	799	4,130	4,197	477	4,412	4,583
Alaska	67	35	13	15	34	41	1	35	52
Hawaii	4	123	12	29	125	127	2	119	141

[1] Includes units with 1 or more.
[2] Includes units with 1 or more room air conditioners and units with central system.

Source: Department of Commerce, Bureau of the Census; *Advance Housing Report*, Series HC(A3)-1.

No. 1075. Housing Units—Tenure, Condition and Plumbing, Rooms, and Persons Per Room: 1960

[Includes Alaska and Hawaii]

ITEM	Total units	Units occupied by nonwhite persons
All housing units	58,323,672	
TENURE AND VACANCY STATUS		
Owner-occupied units	32,796,087	1,974,218
Percent of all occupied	61.9	38.3
Renter-occupied units	20,224,974	3,178,440
Available vacant units	1,974,918	
For rent	1,453,133	
For sale only	521,785	
Other vacant	3,327,693	
CONDITION AND PLUMBING		
Sound	46,914,583	2,797,274
With all plumbing facilities	42,605,333	2,217,045
Lacking only hot water	504,450	580,229
Lacking private toilet or bath or running water	3,804,800	
Deteriorating	8,384,162	1,470,261
With all plumbing facilities	4,766,330	626,990
Lacking only hot water	353,127	843,271
Lacking private toilet or bath or running water	3,264,705	
Dilapidated	3,024,927	885,133

ITEM	Total units	Units occupied by nonwhite persons
ROOMS		
Units with 1 room	1,829,727	243,277
Units with 2 rooms	2,800,177	408,294
Units with 3 rooms	7,074,499	1,009,211
Units with 4 rooms	12,399,003	1,343,164
Units with 5 rooms	14,204,911	1,013,816
Units with 6 rooms	11,028,401	705,234
Units with 7 rooms	4,949,991	244,580
Units with 8 or more rooms	4,036,963	185,150
Median rooms per unit	4.9	4.2
PERSONS		
Units with 1 person	7,405,473	811,082
Units with 2 persons	14,883,515	1,194,484
Units with 3 persons	9,778,343	829,685
Units with 4 persons	9,117,768	676,528
Units with 5 persons	5,816,521	519,328
Units with 6 or more persons	6,019,441	1,121,330
Median persons per unit	2.9	3.2
PERSONS PER ROOM		
Units with 0.50 or less	22,312,130	1,591,619
Units with 0.51 to 1.00	24,578,624	2,104,086
Units with 1.01 or more	6,130,307	1,457,022

Source: Department of Commerce, Bureau of the Census; *U.S. Census of Housing: 1960*, Vol. I.

No. 1076. Low-Rent Dwelling Units Supervised by the Public Housing Administration, by Program: 1950 to 1962

[As of December 31. Includes Alaska, Hawaii, Puerto Rico, and Virgin Islands]

PROGRAM	1950 [1]	1955 [1]	1960		1961		1962		
			Total	Senior citizens [2]	Total	Senior citizens [2]	Total	Locally owned	Senior citizens [2]
Total	302,146	489,744	593,286	18,912	624,094	30,505	646,600	644,679	42,411
CONSTRUCTION STATUS									
Under management	201,736	413,558	478,153	1,133	498,988	3,472	525,679	523,758	7,937
Under construction	31,507	21,059	36,360	4,066	47,409	8,471	42,507	42,507	11,149
Not yet under construction	68,903	55,127	78,773	13,713	77,697	18,562	78,414	78,414	23,325
PROGRAM									
Public Law 171 [3]	101,657	270,335	385,924		416,832		439,852	439,852	
Public Law 412 [4]	118,649	117,049	114,170		114,191		114,185	114,185	
Public Law 671, 1940 [5]	50,594	49,356	46,843		46,820		46,735	46,579	
Public Works Administration [6]	21,640	21,360	21,063		21,067		21,067	19,885	
Farm labor camps [7]	9,606	9,037	583		583		583		
Public Law 475, 1950 [8]		22,607	24,703		24,601		24,178	24,178	

[1] Excludes units which have been sold to mutual housing associations, limited dividend corporations (PWA), and homestead associations on which PHA has mortgages for collection.
[2] Covers units designed specifically for persons 62 years old or over or disabled.
[3] Housing Act of 1949.
[4] U.S. Housing Act of 1937.
[5] Built for World War II defense workers, but majority converted to low-rent use in 1946.
[6] Built in mid-1930's and brought into low-rent program by Executive order.
[7] Built by Department of Agriculture for migrant farm workers; conveyed to PHA for low-rent use under terms of the Housing Act of 1950.
[8] Lanham Act permanent housing conveyed to local housing authorities for low-rent use during 1952 to 1957.

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

No. 1077. Renter-Occupied Nonfarm Housing Units—Contract and Gross Monthly Rent: 1940 to 1960

[**In thousands.** Beginning 1960, includes Alaska and Hawaii. Contract monthly rent is the rent at the time of enumeration, as contracted for by the renter, 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 the reported average monthly cost of utilities (electricity, gas, water) and other fuels (such as coal, oil, kerosene, and wood) if these items were paid for by the renter in addition to contract monthly rent. In 1940 and 1950, if furniture was included in the contract rent, the reported estimated rent of the housing unit without furniture was used for the computation rather than the contract rent]

ITEM	1940		1950		1960	
	Number	Percent	Number	Percent	Number	Percent
Total housing units	16,335		17,304		19,294	
CONTRACT MONTHLY RENT						
Number reporting	[1] 16,178	100.0	155,03	100.0	17,908	100.0
Less than $20	7,320	45.2	28,03	18.1	936	5.2
$20 to $29	3,853	23.8	30,47	19.7	1,465	8.2
$30 to $39	2,526	15.6	31,78	20.5	2,000	11.2
$40 to $49	1,300	8.0	25,77	16.6	5,052	28.2
$50 to $59	570	3.5	16,03	10.3		
$60 to $69	491	3.0	1,931	12.5	4,441	24.8
$70 to $79						
$80 to $89					2,134	11.9
$90 to $99						
$100 or more	118	0.7	363	2.3	1,879	10.5
Median rent	$22		$36		$58	
No cash rent	[2]	[2]	1,257		1,386	
Not reported	157		543		[3]	[3]
GROSS MONTHLY RENT						
Number reporting	15,144	100.0	15,190	100.0	17,908	100.0
Less than $20	4,753	31.4	1,374	9.0	320	1.8
$20 to $29	3,606	23.8	2,176	14.3	736	4.1
$30 to $39	3,029	20.0	3,123	20.6	1,221	6.8
$40 to $49	1,967	13.0	3,105	20.4	1,755	9.8
$50 to $59	925	6.1	2,302	15.2	2,245	12.5
$60 to $69	741	4.9	2,681	17.7	2,555	14.3
$70 to $79					2,350	13.1
$80 to $89					3,490	19.5
$90 to $99						
$100 to $119	123	0.8	429	2.8	1,693	9.5
$120 or more					1,544	8.6
Median rent	$27		$42		$71	
No cash rent	[4] 1,191		[4] 2,114		1,386	

[1] Includes units for which no cash rent was reported, distributed among the value classes on the basis of estimated monthly rental value for similar units in the neighborhood. [2] Not applicable; see footnote 1.
[3] During tabulation, an allocation procedure was used to assign entries for units not reporting rent.
[4] Includes units not reporting rental amount.

Source: Department of Commerce, Bureau of the Census; Sixteenth Census Reports, 1940, *Housing*, Vol. III, and *U.S. Census of Housing: 1950*, Vol. I, and *1960*, Vol. I.

No. 1078. Owner-Occupied Nonfarm Housing Units—Value: 1950 and 1960

[**In thousands.** Beginning 1960, includes Alaska and Hawaii. Data restricted to 1-housing-unit structures without business and with only 1 housing unit in property. Value represents the amount which the owner-occupant estimated that the property, including the structure and its land, would sell for under ordinary conditions and not at forced sale. For definition of median, see headnote, table 18]

VALUE CLASS	1950		VALUE CLASS [1]	1960	
	Number	Percent		Number	Percent
Total housing units	15,878		**Total housing units**	26,172	
Number reporting	14,974	100.0	Owner occupied	26,172	100.0
Less than $4,000	3,117	20.8	Less than $5,000	3,182	12.2
$4,000 to $5,999	2,392	16.0	$5,000 to $7,499	3,201	12.2
$6,000 to $9,999	4,731	31.6	$7,500 to $9,999	3,546	13.5
			$10,000 to $12,499	4,095	15.6
$10,000 to $14,999	2,995	20.0	$12,500 to $14,999	3,538	13.5
$15,000 to $19,999	1,008	6.7	$15,000 to $17,499	2,841	10.9
$20,000 or more	731	4.9	$17,500 to $19,999	1,882	7.2
			$20,000 to $24,999	1,900	7.3
Median value	$7,400		$25,000 to $34,999	1,227	4.7
			$35,000 or more	762	2.9
Not reported	905				
			Median value	$11,900	

[1] 1960 data collected on basis of intervals rounded to nearest $100 ($5,000 to $7,400, $7,500 to $9,900, etc.).

Source: Department of Commerce, Bureau of the Census; *U.S. Census of Housing: 1950*, Vol. I, and *1960*, Vol. I.

No. 1079. Mortgaged Owner-Occupied Nonfarm Properties—Market Value, Mortgage Debt, and Interest Rate: 1890 to 1960

[1960 includes Alaska and Hawaii. For definition of median, see headnote, table 18]

ITEM	ALL PROPERTIES		PROPERTIES WITH ONE DWELLING UNIT		
	1890	1920	1940	1950	1960
MARKET VALUE AND OUTSTANDING MORTGAGE DEBT					
Total number of properties 1,000	810	2,855	4,026	7,052	14,454
Number reporting value and debt ..... do	----------	2,736	3,745	7,027	14,454
Total value $1,000,000	2,632	14,099	16,490	[1] 66,443	[1] 219,669
Total debt ..... do	1,047	6,000	8,634	28,566	108,092
Average value ..... dollars	3,250	4,938	4,403	9,422	15,200
Average debt ..... do	1,293	2,102	2,305	4,051	7,500
Ratio of debt to value, median	----------	----------	----------	43	53
INTEREST RATE ON FIRST MORTGAGE LOAN (percent distribution)					
Total properties	100.0	100.0	100.0	100.0	100.0
Less than 4.0 percent	1.7	2.0	0.8	2.0	0.8
4.0 percent			1.8	24.5	10.9
4.1 to 4.4 percent			0.1	0.4	3.0
4.5 percent			17.3	20.1	24.2
4.6 to 4.9 percent			[2]	0.1	2.5
5.0 percent	11.0	8.3	19.8	22.4	15.1
5.1 to 5.9 percent	2.3	5.9	7.7	2.7	16.3
6.0 percent	44.3	58.1	44.6	24.8	22.4
6.1 to 6.9 percent	1.4	1.7	1.0	0.4	2.4
7.0 percent	11.5	12.1	4.2	1.0	1.1
7.1 to 7.9 percent	1.0	0.5	0.3	0.2	0.4
8.0 percent or more	26.8	11.3	2.5	1.3	0.9
Median interest rate	6.0	6.0	6.0	5.0	5.1

[1] Estimated from midpoints of distribution. [2] Less than 0.05 percent.

Source: Prior to 1960, Ratcliff, Rathbun, and Honnold, *Residential Finance, 1950*, John Wiley and Sons, New York, N.Y.; thereafter, Department of Commerce, Bureau of the Census, *U.S. Census of Housing: 1960*, Vol. V.

No. 1080. Nonfarm Owner-Occupied Dwelling Units—Mortgage Status: 1890 to 1960

[1960 includes Alaska and Hawaii and relates to properties with 1 to 4-dwelling units. 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. See also *Historical Statistics, Colonial Times to 1957*, series N 190–194]

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	n.a.	n.a.	n.a.	n.a.
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
1960	27,862,329	27,862,329	15,816,132	56.8	12,046,197

n.a. Not available.

Source: Department of Commerce, Bureau of the Census; *U.S. Census of Housing: 1950*, Vol. I, and *1960*, Vol. V.

No. 1081. Mortgaged Owner-Occupied Nonfarm Properties—Percent Distribution by Type of Loan and Market Value, and Downpayment as Percent of Purchase Price: 1950 and 1960

[1960 includes Alaska and Hawaii. Covers owner-occupied single-family nonfarm mortgaged properties]

ITEM	TOTAL		FEDERAL HOUSING ADMINISTRATION		VETERANS ADMINISTRATION		CONVENTIONAL	
	1950	1960	1950	1960	1950	1960	1950	1960
Mortgaged properties	100	100	17	18	15	23	69	58
Outstanding debt	100	100	24	21	22	27	55	52
Market value	100	100	100	100	100	100	100	100
Less than $6,000	26	25	5	18	18	19	32	30
$6,000 to $9,999	37		46		49		32	
$10,000 to $14,999	25	31	38	42	27	40	21	24
$15,000 to $19,999	8	25	8	28	5	32	8	21
$20,000 or more	5	19	3	12	1	8	6	25
Median	$8,500	$13,800	$9,900	$13,700	$8,500	$13,800	$7,900	$13,900
Downpayment as percent of purchase price	100	100	100	100	100	100	100	100
No downpayment	15	11	12	5	33	21	10	8
1 to 10 percent	12	21	18	28	22	34	6	10
11 to 20 percent	19	21	30	32	22	25	14	14
21 to 30 percent	16	16	20	17	12	10	17	19
31 to 40 percent	15	15	12	13	6	5	19	22
41 or more	23	16	8	5	5	5	34	27
Median	23	19	17	15	9	9	32	30

Source: Department of Commerce, Bureau of the Census; *U.S. Census of Housing: 1950*, Vol. IV, and *1960*, Vol. V.

No. 1082. Mortgage Debt Outstanding, by Type of Property and Holder: 1940 to 1962

[In billions of dollars. As of December 31. Includes Alaska and Hawaii]

YEAR	ALL PROPERTIES			NONFARM				FARM	
	All holders	Financial institutions [1]	Other holders	All holders	1- to 4-family houses		Multi-family and commercial properties [2]	All holders	Financial institutions [1]
					Total	Financial institutions [1]	Total	Financial institutions [1]	
1940	36.5	19.5	16.9	30.0	17.4	10.2	12.6	7.8	6.5	1.5
1945	35.5	21.0	14.5	30.8	18.6	12.2	12.2	7.4	4.8	1.3
1950	72.8	51.7	21.1	66.7	45.2	35.4	21.6	14.0	6.1	2.3
1952	91.4	66.9	24.5	84.2	58.5	46.8	25.7	17.2	7.3	2.8
1953	101.3	75.1	26.3	93.6	66.1	53.6	27.5	18.5	7.8	3.0
1954	113.7	85.7	28.0	105.4	75.7	62.5	29.7	19.9	8.3	3.3
1955	129.9	99.3	30.6	120.9	88.2	73.8	32.6	21.8	9.1	3.6
1956	144.5	111.2	33.3	134.6	99.0	83.4	35.6	23.9	9.9	3.9
1957	156.6	119.7	36.9	146.1	107.6	89.9	38.5	25.8	10.5	4.0
1958	171.9	131.5	40.5	160.7	117.7	98.5	43.0	28.8	11.3	4.2
1959	190.9	145.5	45.4	178.7	130.9	109.2	47.9	31.9	12.2	4.5
1960	207.1	157.6	49.5	194.0	141.3	117.9	52.7	35.0	13.1	4.7
1961	225.5	172.6	52.9	211.3	153.0	128.7	58.3	38.9	14.2	5.0
1962 (prel.)	250.1	192.7	57.3	234.5	168.4	142.9	66.1	44.3	15.5	5.5

[1] Comprises commercial banks (including nondeposit trust companies but not trust departments), mutual savings banks, life insurance companies, and savings and loan associations.
[2] Derived figures, which include negligible amount of farm loans held by savings and loan associations.

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

No. 1083. Mortgage Activity of Life Insurance Companies and Savings and Loan Associations: 1940 to 1962

[**In millions of dollars.** Includes Alaska and Hawaii. Savings and loan associations data also include Puerto Rico and Guam]

ITEM	1940	1945	1950	1955	1958	1959	0	1961	1962 (prel.)
LIFE INSURANCE COMPANIES									
Loans acquired	--------	976	4,894	6,623	5,277	5,970	6,086	6,785	7,476
Nonfarm	--------	--------	4,532	6,108	4,839	5,472	5,622	6,233	6,854
FHA insured	--------	--------	1,486	971	1,301	1,549	1,401	1,388	1,397
VA guaranteed	--------	--------	938	1,839	195	201	291	220	458
Other	--------	--------	2,108	3,298	3,343	3,722	3,930	4,625	4,999
Farm	--------	--------	362	515	438	498	464	552	622
Loans outstanding (end of year)	5,972	6,636	16,102	29,445	37,062	39,197	41,771	44,203	46,980
Nonfarm	5,073	5,860	14,775	27,172	34,395	36,353	38,789	41,033	43,582
FHA insured	668	1,394	4,573	6,395	7,443	8,273	9,032	9,665	10,257
VA guaranteed	--------	--------	2,026	6,074	7,433	7,686	6,901	6,553	6,394
Other	4,405	4,466	8,176	14,703	19,519	20,994	22,856	24,815	26,931
Farm	899	776	1,327	2,273	2,667	2,844	2,982	3,170	3,398
SAVINGS AND LOAN ASSOCIATIONS									
Loans made [1]	1,200	1,913	5,237	11,255	12,182	15,151	14,304	17,364	20,754
New construction	399	181	1,767	3,984	4,050	5,201	4,678	5,081	5,979
Home purchase	426	1,358	2,246	5,155	5,172	6,613	6,132	7,207	8,524
Loans outstanding (end of year) [2]	4,125	5,376	13,657	31,408	45,627	53,141	60,070	68,834	78,973
FHA insured	--------	--------	848	1,404	2,206	2,995	3,524	4,167	4,480
VA guaranteed	--------	--------	2,973	5,883	7,077	7,186	7,222	7,152	7,022
Conventional [2]	--------	--------	9,836	24,121	36,344	42,960	49,324	57,515	67,471

[1] Includes loans for other purposes (for repair, additions and alterations, refinancing, etc.).
[2] Beginning 1958, includes shares pledged against mortgage loans.

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

No. 1084. Nonfarm Mortgages Recorded—Mortgages of $20,000 or Less, by Type of Mortgagee: 1940 to 1962

[**Numbers in thousands; money figures in millions of dollars, except averages.** Excludes Alaska and Hawaii. Estimates based on recordings in 450 counties and similar political subdivisions, which contain over one-half of the one-family nonfarm dwelling units. See also *Historical Statistics, Colonial Times to 1957*, series N 173-178]

MORTGAGEE	1940	1950	1955	1957	1958	1959	1960	1961	1962
NUMBER									
Total	1,456	3,032	3,913	3,246	3,441	3,782	3,472	3,529	3,696
Savings and loan associations	503	936	1,373	1,122	1,213	1,378	1,260	1,350	1,439
Insurance companies	68	227	191	134	126	125	105	90	92
Commercial banks	316	628	783	587	668	704	574	610	671
Mutual savings banks	45	165	210	153	165	171	149	162	175
Individuals	340	610	725	736	602	757	756	686	652
Miscellaneous mortgagees	184	466	631	514	577	647	628	631	667
AMOUNT									
Total	4,031	16,179	28,484	24,244	27,388	32,235	29,341	31,157	34,187
Average amount—dol.	2,769	5,335	7,279	7,469	7,959	8,522	8,450	8,829	9,251
Savings and loan associations	1,283	5,060	10,452	9,217	10,516	13,094	12,158	13,662	15,144
Insurance companies	334	1,618	1,932	1,472	1,460	1,523	1,318	1,159	1,212
Commercial banks	1,006	3,365	5,617	4,264	5,204	5,832	4,520	4,997	5,851
Mutual savings banks	170	1,064	1,857	1,430	1,640	1,780	1,557	1,741	1,958
Individuals	640	2,299	3,361	3,554	3,435	3,946	4,001	3,642	3,560
Miscellaneous mortgagees	598	2,773	5,265	4,307	5,133	6,060	5,787	5,956	6,462

Source: Federal Home Loan Bank Board; *Savings and Home Financing Source Book*, and records.

No. 1085. Mortgage Loans on One- to Four-Family Nonfarm Homes—Estimated Balance Outstanding, by Type of Mortgagee: 1945 to 1962

[**In millions of dollars.** Includes Alaska and Hawaii. Represents estimates on basis of recent surveys and more detailed analyses of mortgage holdings. See also *Historical Statistics, Colonial Times to 1957*, series N 161, for total]

MORTGAGEE	1945	1950	1955	1956	1957	1958	1959	1960	1961	1962 (prel.)
Total	18,591	45,170	88,250	99,037	107,617	117,686	130,854	141,288	153,083	168,325
Savings and loan associations	5,156	13,116	30,001	34,004	37,996	42,890	49,535	55,386	62,898	71,605
Life insurance companies	2,306	8,478	17,661	20,130	21,441	22,374	23,583	24,879	25,776	26,984
Mutual savings banks	1,894	4,312	11,100	12,990	14,110	15,640	16,887	18,369	20,022	22,210
Commercial banks	2,875	9,481	15,075	16,245	16,385	17,628	19,200	19,242	20,038	22,066
Home Owners' Loan Corporation	852	10	------	------	------	------	------	------	------	------
Federal National Mortgage Association	7	1,333	2,443	2,867	3,777	3,580	4,953	5,536	5,413	5,188
Individuals and others	5,501	8,440	11,970	12,801	13,908	15,574	16,696	17,876	18,936	20,272

Source: Federal Home Loan Bank Board; *Savings and Home Financing Source Book.*

No. 1086. Residential Loans Underwritten by FHA and VA: 1940 to 1962

[**In millions of dollars.** Includes Alaska and Hawaii. FHA-insured loans represent gross amount of insurance written; VA-guaranteed loans, gross amount of loans closed. Figures do not take account of principal repayments on previously insured or guaranteed loans. For VA-guaranteed loans, amounts by type are derived from data on number and average amount of loans closed. See also *Historical Statistics, Colonial Times to 1957*, series N 179–185]

ITEM	1940	1950	1955	1957	1958	1959	1960	1961	1962
FHA-insured loans	991	4,343	3,807	3,715	6,349	7,694	6,293	6,546	7,184
Home mortgages:									
New properties	588	1,637	1,269	880	1,666	2,563	2,197	1,783	1,849
Existing properties	175	856	1,816	1,371	2,885	3,507	2,403	2,982	3,421
Project type mortgages	13	1,157	76	595	929	628	711	926	1,079
Property improvement loans [1]	216	694	646	869	868	997	982	855	834
VA-guaranteed loans [2]	------	3,072	7,156	3,761	1,865	2,787	1,985	1,829	2,652
Home mortgages:									
New properties	------	1,865	4,582	2,890	1,311	2,051	1,554	1,170	1,357
Existing properties	------	1,202	2,564	863	549	730	428	656	1,292

[1] Not ordinarily secured by mortgages.
[2] Includes a small amount of alteration and repair loans, not shown separately; only such loans in amounts of more than $1,000 need be secured.

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

No. 1087. Percent Distribution of Home Loans Guaranteed by VA, by Purchase Price, Mortgage Maturity, and Downpayment Status: 1955 to 1962

[Includes data for all veterans, regardless of place of residence. Based on complete count of loans]

PURCHASE PRICE, MATURITY, AND DOWNPAYMENT STATUS	NEW HOMES				EXISTING HOMES			
	1955	1960	1961	1962	1955	1960	1961	1962
PURCHASE PRICE								
All price ranges	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Less than $8,000	2.1	0.1	0.1	0.2	18.4	15.7	10.7	7.4
$8,000 to $9,999	15.0	1.8	1.9	1.9	20.3	17.1	14.6	12.0
$10,000 to $11,999	29.8	11.5	12.4	10.7	22.2	18.4	17.9	16.7
$12,000 to $14,999	38.4	39.1	36.6	31.9	23.7	25.4	28.0	28.0
$15,000 to $19,999	13.0	39.8	42.3	43.8	12.1	18.0	22.7	27.9
$20,000 and over	1.7	7.7	6.7	11.5	3.3	5.4	6.1	8.0
Average purchase price	$12,476	$15,327	$15,236	$15,791	$11,343	$12,238	$12,841	$13,723
MORTGAGE MATURITY								
All maturities	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Less than 25 years	5.3	1.4	1.0	1.0	50.5	43.0	27.3	17.2
25 years	32.7	3.9	2.8	2.3	37.6	31.3	29.2	26.0
26 to 30 years	62.0	94.7	96.2	96.7	11.9	25.7	43.5	56.8
DOWNPAYMENT STATUS								
All loans	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
With downpayments	46.6	30.2	24.1	24.8	80.3	66.5	54.4	43.3
With no downpayments	53.4	69.8	75.9	75.2	19.7	33.5	45.6	56.7

Source: Veterans Administration.

No. 1088. Financial Characteristics of VA-Guaranteed Home Loans, by Monthly Income of Veteran Home Purchasers: 1962

[Information is based on a 20-percent sample of loan applications submitted to the VA for prior approval in 1962. Prior approval loans currently constitute about 78 percent of all primary VA-guaranteed home loans]

ITEM	All incomes	MONTHLY INCOME (AFTER TAXES)				
		Less than $300	$300 to $399	$400 to $499	$500 to $699	$700 and over
New and existing homes (averages):						
Liquid assets of purchaser	$1,665	$505	$865	$1,375	$2,210	$4,745
Purchase price	$14,655	$9,175	$11,755	$14,335	$17,110	$20,440
Loan amount	$14,315	$9,105	$11,595	$14,055	$16,640	$19,495
Downpayment	$340	$70	$160	$280	$470	$945
Percent of purchase price	2.3	0.8	1.4	2.0	2.7	4.6
Percent of liquid assets	20.4	13.9	18.5	20.4	21.3	19.9
Monthly income after taxes	$477.75	$272.15	$357.00	$446.60	$575.00	$824.10
Monthly housing expense [1]	$136.30	$89.80	$110.75	$133.20	$158.40	$185.80
Percent of income after taxes	28.5	33.0	31.0	29.8	27.5	22.5
Percent of loans	100.0	100.0	100.0	100.0	100.0	100.0
New homes	53.3	31.3	48.8	54.1	57.8	60.2
Existing homes	46.7	68.7	51.2	45.9	42.2	39.8

[1] Repayments of mortgage principal and interest with an additional allowance for taxes, insurance, heat, utilities, and maintenance.

Source: Veterans Administration.

No. 1089. Estimated Nonfarm Real Estate Foreclosures: 1930 to 1962

[Excludes Alaska and Hawaii. Based on data from approximately 1,700 counties, cities, townships, or other government divisions. Represents number of properties acquired through foreclosure proceedings. Excludes voluntary deeds of sale in lieu of foreclosure and defaults on real estate contracts. See also *Historical Statistics, Colonial Times to 1957*, series N 189]

YEAR	Foreclosures	YEAR	Foreclosures	YEAR	Foreclosures
1930	150,000	1947	10,559	1955	28,529
1935	228,713	1948	13,052	1956	30,963
1940	75,556	1949	17,635	1957	34,204
1942	41,997	1950	21,537	1958	42,367
1943	25,281	1951	18,141	1959	44,075
1944	17,153	1952	18,135	1960	51,353
1945	12,706	1953	21,473	1961	73,074
1946	10,453	1954	26,211	1962	86,444

Source: Federal Home Loan Bank Board; *Savings and Home Financing Source Book.*

No. 1090. Urban Planning Assistance Program—Summary: 1954 to 1962

[Includes Alaska, Hawaii, Puerto Rico, and Guam. Represents urban planning assistance (*a*) for cities, other municipalities, and counties with a population under 50,000 and for groups of adjacent communities, incorporated or unincorporated, with a total population of less than 50,000; (*b*) for cities, other municipalities, and counties in redevelopment areas designated under Section 5(a) of the Area Redevelopment Act; (*c*) for metropolitan and regional areas; (*d*) for cities, other municipalities, and counties which have suffered a major disaster; (*e*) for areas which are or expected to become Federally impacted; and (*f*) for State and interstate comprehensive planning. Metropolitan, regional, disaster, and Federally impacted areas are assisted by planning grants to either State planning agencies or metropolitan, regional, or other qualified planning agencies; all other assistance takes the form of planning grants to State planning agencies]

ITEM	Cumulative total	NET CHANGE					
		1954–1956 [1]	1957	1958	1959	1960	1961	1962
Total grants approved [2] $1,000	42,040	1,710	2,693	2,203	2,056	4,738	8,884	19,755
Disbursed do	22,708	470	1,479	1,667	2,196	3,083	3,571	10,243
Planning assistance for small areas:								
Projects approved	705	27	40	55	48	142	144	249
Different localities involved	2,605	240	292	324	156	452	458	683
Planning assistance for localities in redevelopment areas:								
Projects approved	98	------	------	------	------	------	26	72
Different localities involved	376	------	------	------	------	------	120	256
Planning for metropolitan, regional, disaster, and Federally impacted areas:								
Projects approved	247	22	27	21	52	47	34	44
Different areas involved	149	21	19	16	38	18	23	14
Statewide planning:								
Projects approved	42	------	------	------	------	12	13	17
Different States involved	23	------	------	------	------	10	6	7

[1] First approval under this program took place in November 1954.
[2] Represents the Federal contribution to defray the costs of urban planning authorized by the program.

Source: Housing and Home Finance Agency, Urban Renewal Administration; *Annual Report*, and records.

No. 1091. Urban Renewal Program—Summary: 1949 to 1962

[**Money figures in thousands of dollars.** Includes Alaska, Hawaii, Puerto Rico, and Virgin Islands. Represents financial assistance to localities under Title I of the Housing Act of 1949, as amended. Planning advances, loans, and grants are made to local agencies by the Urban Renewal Administration primarily for slum clearance and redevelopment projects, and for conservation or rehabilitation projects]

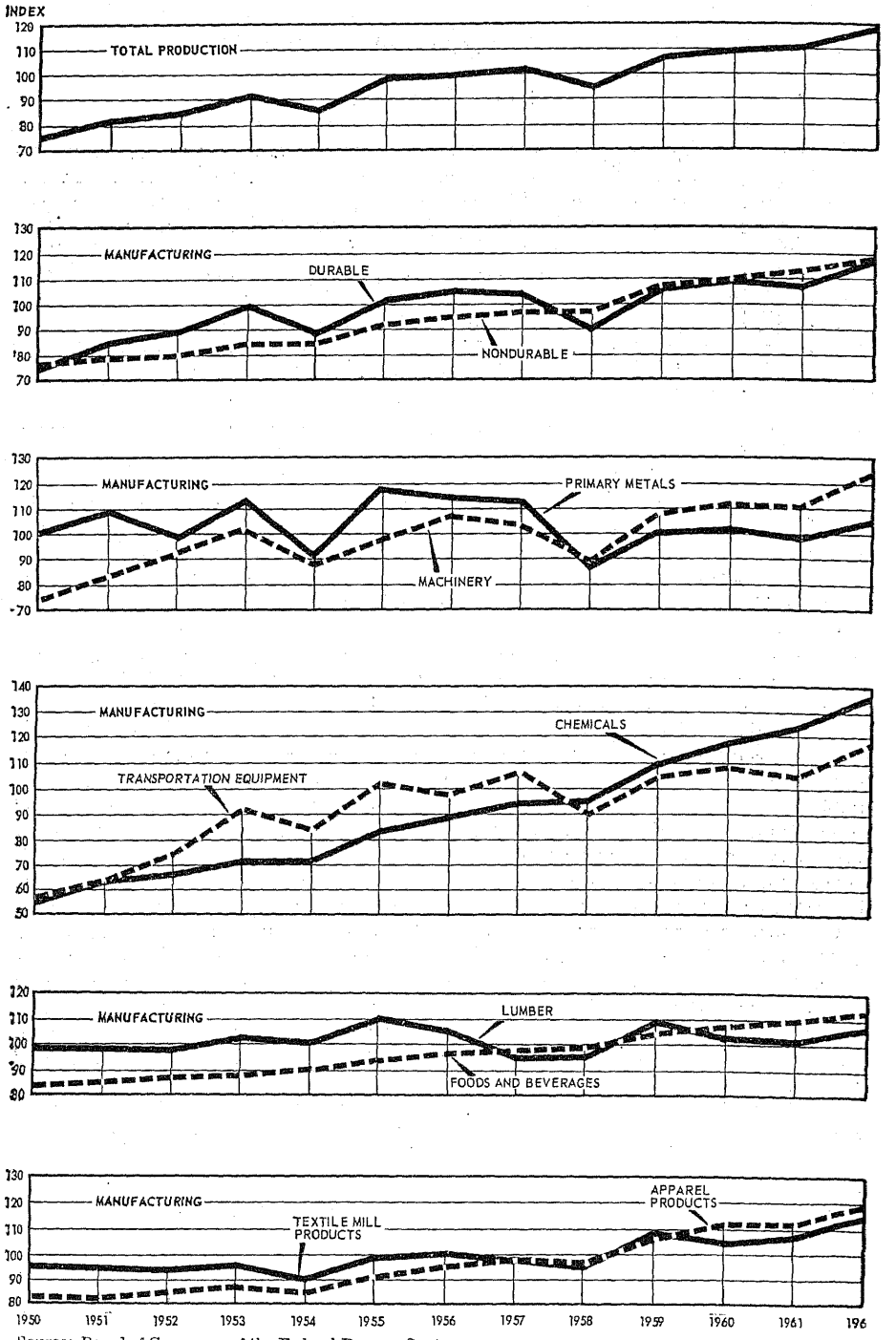
ITEM	Cumulative total	NET CHANGE						
		1949–1956 [1]	1957	1958	1959	1960	1961	1962
Grant authority reserved [2]	3,033,733	827,737	193,318	305,183	64,628	484,189	606,033	552,630
Urban renewal activities	3,019,705	826,685	192,610	304,878	64,475	480,953	602,581	547,523
Community renewal programs	10,095	----	----	----	----	2,664	2,571	4,860
Demonstration grants	3,933	1,052	708	305	153	572	896	247
URBAN RENEWAL PROJECTS								
Localities participating	607	258	41	73	25	65	58	87
Total projects	1,130	432	59	132	34	139	148	186
Completed	86	1	3	6	16	15	24	21
Active	1,044	431	56	126	18	124	124	165
Execution	588	132	57	92	84	79	74	70
Planning	456	299	−1	34	−66	45	50	95
Capital grants:								
Grants disbursed to projects	700,524	74,918	30,220	49,692	78,464	131,524	147,463	188,243
Grants disbursed to repay advances	5,391	----	----	----	----	3,441	1,109	841
Project loans: [3]								
Contracts authorized (net)	2,293,485	236,970	217,844	349,707	359,653	379,579	380,680	369,052
Federal loans:								
Disbursed	614,437	95,086	31,397	51,540	96,288	108,892	101,082	130,152
Outstanding	124,667	33,571	9,661	24,345	7,218	−10,122	13,264	46,730
Non-Federal "guaranteed" loans: [4]								
Gross amount	1,382,760	99,865	74,132	111,836	235,175	295,556	335,147	231,049
Outstanding	903,101	67,428	59,592	86,246	165,033	207,026	234,939	82,837
Planning advances: [5]								
Contracts authorized (net)	111,222	29,805	6,024	9,901	5,375	15,389	19,802	24,926
Disbursed	80,151	16,353	5,171	7,934	8,220	10,959	13,894	17,620
Outstanding	32,813	9,572	2,429	2,174	2,040	1,202	6,152	9,244
COMMUNITY RENEWAL PROGRAMS								
Localities participating	80	----	----	----	----	7	34	39
Grants disbursed	3,627	----	----	----	----	235	942	2,450
DEMONSTRATION GRANTS								
Projects approved	45	18	6	3	1	6	8	3
Grants disbursed	2,564	223	398	387	431	348	352	425

[1] First approval under this program took place in March 1950.
[2] Represents the Federal Government's contribution (*a*) to the net costs of local slum clearance and urban renewal projects, preparation of community renewal programs, and demonstrations, (*b*) to reimburse local public agencies for certain costs of relocating displaced families, individuals, and business concerns, and (c) to repay planning advances not collected from terminated projects.
[3] Represents Federal assistance to finance expenditures involved in the execution of slum clearance and urban renewal projects. Temporary loan contracts may be used by local public agencies to borrow funds for project expenditures from non-Federal sources.
[4] Excludes amounts borrowed to refinance previous borrowings.
[5] Represents Federal assistance for the conduct of surveys and preparation of project plans.

Source: Housing and Home Finance Agency, Urban Renewal Administration; *Annual Report*, and records.

FIG. XLVI. INDUSTRIAL PRODUCTION INDEXES: 1950 TO 1962

[1957–59=100. See table 1093]



Source: Board of Governors of the Federal Reserve System.

Section 30

Manufactures

This section presents measures of the manufacturing segment of the economy and its component inputs and outputs. The input data include figures for establishments; employment and wages; raw materials, fuels, and electricity consumed; plant and equipment expenditures; and water use. The output data include figures for value and quantity of production and shipments; and value added by manufacture. Both types of data are shown for manufacturing as a whole, for major product groups, and for specific selected products.

The principal sources of these data are the reports of the Census of Manufactures conducted periodically by the Bureau of the Census; the same agency's *Annual Survey of Manufactures*; and its *Current Industrial Reports* series which present monthly, quarterly, or annual data on production, shipments, and stocks for particular commodities. Indexes of industrial production are presented monthly in the Federal Reserve Board's *Federal Reserve Bulletin.* Reports on current activities of industries, or current movements of individual commodities, are also compiled by such government agencies as Bureau of Labor Statistics, Statistical Reporting Service of the Department of Agriculture, Business and Defense Services Administration, Fish and Wildlife Service, Tariff Commission, and Internal Revenue Service, and by private research or trade associations such as the American Iron and Steel Institute, the National Canners Association, and the National Association of Hosiery Manufacturers.

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, and the Federal Trade Commission. Financial statistics for certain manufacturing industries in the form of balance sheets, profit and loss statements, analyses of sales and expenses, lists of subsidiaries, and types and amounts of security issues 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 because of their competitive uses. The Federal Trade Commission has made several comprehensive studies of individual industries.

Censuses and annual surveys.—The first Census of Manufactures covered the year 1809. Thereafter, a census was taken at 10-year intervals to 1899, with the exception of 1829. It was conducted at 5-year intervals from 1904 through 1919 and at 2-year intervals from 1921 through 1939. It was suspended during the war period until the 1947 Census. A census covering the year 1954 was the first taken under present legislation which provides for a quinquennial Census of Manufactures. The most recent census covered the year 1958.

The *Annual Survey of Manufactures*, conducted for the first time in 1949, carries forward, for the intercensal years, measures of manufacturing activity covered in detail by the quinquennial Census of Manufactures. It provides statistics on employment, payrolls, value added by manufacture, inventories, and new capital expenditures for industry groups, important individual industries, geographic divisions, States, and large standard metropolitan statistical areas.

The most recent annual survey is based on a sample of about 60,000 of an approximate total of 300,000 manufacturing establishments. It comprises all large plants, which account for approximately two-thirds of total manufacturing employment in the United States, and a representative selection of the more numerous small plants. Government-owned and -operated establishments are excluded.

Establishments and classification.—The 1947, 1954, and 1958 Censuses of Manufactures covered operating manufacturing establishments as defined in the *Standard Industrial Classification Manual* issued by the Bureau of the Budget. Reports were required from all establishments employing one or more persons at any time during the census year. Each of the establishments tabulated was classified in one of the more than 400 manufacturing industries as defined by the Standard Industrial Classification system. This system defines an industry as a number of establishments producing a single product or a closely related group of products. An establishment is classified in a particular industry if its production of this product or product group exceeds in value its production of any other product group. In a few instances, the industry classification of an establishment is determined not only by its product group but also by the processes employed in making the products.

A revised edition of the *Standard Industrial Classification Manual,* which made extensive modifications in some of the industry groupings, was issued in 1957. Final reports of the 1958 Census of Manufactures present data tabulated on the basis of the new classifications and include 1954 Census data converted to the new SIC to effect comparability for the two years. Because of the revisions in the classification system, 1954 and 1958 Census data for some industries and industry groups are not comparable with figures for prior years.

While some establishments produce only the products of the industry in which they are classified, it rarely happens that all the establishments in an industry specialize to that extent. The statistics on employment, payrolls, value added, inventories, and expenditures, therefore, reflect not only the primary activities of the establishments in that industry but also activities of a secondary nature. For this reason the industry statistics usually cannot be directly related to statistics on the total shipments of products primary to the industry.

The 1947, 1954, and 1958 Censuses were conducted on an establishment basis. The term "establishment" signifies a single physical plant site or factory. It 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 separate report for each location. An establishment engaged in distinctly different lines of activity and maintaining separate payroll and inventory records is also required to submit separate reports.

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 Census of Manufactures. Consequently, these series may be considered to be comparable, except for the changes brought about by the 1957 revisions in the industry classification system noted above. However, 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 12 monthly employment figures. The 1954 figures are an average of reported employment totals for the four specified months, except for highly seasonal industries, where a 12-month average was obtained. For 1958, averages of production workers for the four specified months plus the March figure for "all other employees" were used for all industries. Further, 1947 figures exclude data for central administrative offices and auxiliary establishments of manufacturing concerns, which are included in the statistics for later years.

Alaska and Hawaii.—For a general statement concerning the treatment of data for Alaska and Hawaii, see preface. "Conterminous area" refers to the United States excluding Alaska, Hawaii, and outlying areas.

Historical statistics.—Tabular headnotes provide cross-references, where applicable, to *Historical Statistics of the United States, Colonial Times to 1957*. See preface.

Technical Note—Annual Survey of Manufactures

The annual survey estimates vary from the totals that would have been obtained from a complete canvass of all manufacturing establishments. The relative magnitude of this sampling variation 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*: (1) The percentage shown in approximately 2 cases out of 3; (2) twice the percentage shown in approximately 19 cases out of 20; and (3) 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 usually of the same general magnitude.

In making any study of the trend, 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." Figures are normally withheld from publication in the original source volumes if (1) the standard error of the estimate exceeds 15 percent, or (2) survey estimates are inconsistent with other Census series and related data. 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.

No. 1092. Manufactures—Summary: 1947 to 1961

[Beginning 1958, includes Alaska and Hawaii. Figures cover all establishments employing 1 or more persons at any time during year. See also *Historical Statistics, Colonial Times to 1957*, series P 1-8]

Year	Establishments	Proprietors and firm members	All employees [1]		Production workers			Value added by manufacture [3]
			Number (average for year) [2]	Salaries and wages	Number (average for year)	Man-hours	Wages	
		1,000	*1,000*	*Mil. dol.*	*1,000*	*Millions*	*Mil. dol.*	*Mil. dol.*
1947	240,807	189	14,294	39,696	11,918	24,316	30,244	74,200
1950 [4]	260,000	n.a.	14,770	47,893	11,779	23,717	34,600	89,750
1951 [4]	262,000	n.a.	15,638	56,284	12,509	25,264	40,655	102,086
1952 [4]	267,000	n.a.	16,061	61,141	12,706	25,618	43,764	109,162
1953 [4]	285,000	n.a.	17,093	68,590	13,501	27,066	48,979	121,059
1954 [4]	286,817	198	16,126	65,977	12,373	24,341	44,595	117,032
1955 [4]	283,047	n.a.	16,819	72,126	12,957	25,909	49,230	135,023
1956 [4]	n.a.	n.a.	17,177	77,048	13,134	26,099	52,054	144,909
1957 [4]	n.a.	n.a.	17,105	79,354	12,842	25,218	52,583	147,838
1958	299,036	186	16,025	78,326	11,666	22,672	49,575	141,500
1959 [4]	n.a.	n.a.	16,662	85,642	12,265	24,431	54,678	161,315
1960 [4]	n.a.	n.a.	16,763	88,087	12,212	24,180	55,547	164,032
1961 [4]	n.a.	n.a.	16,341	88,141	11,790	23,311	54,792	164,369

n.a. Not available.

[1] Includes data for employees of manufacturing establishments engaged in distribution and construction work. Beginning 1950, includes administrative offices, and units auxiliary to manufacturing.

[2] Data for all industries in 1950-1953 and 1955-1957, and for most industries in 1954, are based on pay periods ending nearest 15th of Mar., May, Aug., and Nov. For 1947, and industries of a seasonal type in 1954, data represent average of 12 monthly figures.

[3] Unadjusted through 1953; thereafter, adjusted. For definitions, see footnote 3, table 1094.

[4] Estimates based on sample; see text, pp. 771-773.

Source: Department of Commerce, Bureau of the Census; 1947, 1954, and 1958 Censuses of Manufactures reports and *Annual Survey of Manufactures*.

No. 1093. Industrial Production—Indexes, by Industry Groupings: 1950 to 1963

[1957–59=100. Quarterly data adjusted for seasonal variation. Based on 1957 Standard Industrial Classification. See also *Historical Statistics, Colonial Times to 1957*, series P 11 and P 147–168, for indexes on 1947–49 base]

Year and quarter	Total	Manufacturing										
		Total	Durable manufactures									
			Total	Primary metals	Fabricated metal products	Machinery	Transportation equipment	Instruments and related products	Clay, glass, and stone products	Lumber and products	Furniture and fixtures	Misc. manufactures
1950	75	76	74	100	85	73	56	57	81	98	79	89
1951	81	82	84	109	91	83	63	66	89	98	75	86
1952	84	85	89	99	89	92	73	78	85	97	77	88
1953	91	93	100	113	100	101	92	85	87	102	80	99
1954	86	86	88	91	90	88	84	83	84	100	84	90
1955	97	97	102	118	98	97	102	89	96	110	95	101
1956	100	100	104	116	99	107	97	95	100	105	98	104
1957	101	101	104	112	102	104	106	98	98	96	97	99
1958	94	93	90	88	93	89	90	92	93	96	93	94
1959	106	106	106	100	106	107	104	110	108	109	111	107
1960	109	109	109	101	108	111	108	117	108	102	116	111
1961	110	110	107	99	107	110	104	116	106	101	115	113
First quarter	104	103	99	81	98	105	94	112	102	96	107	106
Second quarter	109	109	106	99	105	109	104	114	106	103	113	112
Third quarter	112	113	111	109	110	113	106	117	109	104	118	115
Fourth quarter	115	115	113	108	113	115	111	119	107	101	122	118
1962 (prel.)	118	119	118	105	117	123	118	123	111	106	127	122
First quarter	116	116	115	115	112	118	113	119	105	105	121	117
Second quarter	118	119	118	104	117	124	118	123	112	107	128	125
Third quarter	120	120	119	98	119	126	122	125	115	106	128	125
Fourth quarter	119	120	119	100	118	126	122	125	112	105	129	122
1963:												
First quarter (prel.)	120	120	120	105	119	125	122	126	110	107	128	120

Year and quarter	Manufacturing—Continued											Mining, total	Utilities, total
	Nondurable manufactures												
	Total	Textile mill products	Apparel products	Leather and products	Paper and products	Printing and publishing	Chemicals and products	Petroleum products	Rubber and plastics products	Foods and beverages	Tobacco products		
1950	76	96	82	91	74	79	55	73	70	83	84	83	50
1951	79	95	81	85	78	80	63	81	71	85	89	91	56
1952	80	94	85	91	75	80	66	83	73	87	92	91	61
1953	84	96	87	91	81	84	71	88	78	88	90	93	67
1954	84	90	84	90	82	87	71	88	77	90	86	90	72
1955	92	99	92	98	93	93	83	94	95	94	88	99	80
1956	95	100	96	100	97	97	89	99	93	97	91	105	88
1957	97	97	97	99	96	99	94	99	97	97	94	105	94
1958	97	94	95	96	97	97	96	97	92	99	100	96	98
1959	107	109	108	105	107	104	110	104	111	104	105	100	108
1960	110	105	112	100	108	110	117	107	111	107	107	102	116
1961	113	107	112	100	114	112	123	109	112	110	111	103	123
First quarter	108	98	106	98	108	110	115	107	97	109	110	102	118
Second quarter	112	105	109	99	113	111	122	107	111	109	110	102	122
Third quarter	115	111	115	99	116	112	126	109	118	111	110	102	125
Fourth quarter	117	114	118	105	118	113	130	111	122	112	113	105	127
1962 (prel.)	119	115	119	102	120	115	136	113	129	113	112	105	132
First quarter	117	115	116	102	119	114	130	112	120	112	112	104	129
Second quarter	119	116	118	104	119	115	135	112	129	113	110	105	130
Third quarter	121	117	119	103	121	116	138	113	135	114	114	106	133
Fourth quarter	121	113	122	100	121	114	139	114	134	114	112	105	135
1963:													
First quarter (prel.)	121	113	123	99	123	110	140	115	130	114	113	104	137

Source: Board of Governors of the Federal Reserve System; *Industrial Production, 1957–59 Base*. Published currently in *Federal Reserve Bulletin*.

No. 1094. Manufactures—General Statistics for Establishments, by Employee-Size Class: 1947, 1954, and 1958

[Numbers in thousands; money figures in millions of dollars. Excludes Alaska and Hawaii]

Item and year	All establishments	Employee-size class									
		1 to 4	5 to 9	10 to 19	20 to 49	50 to 99	100 to 249	250 to 499	500 to 999	1,000 to 2,499	2,500 and over
Establishments:											
1947	241	70	47	41	40	19	14	6	3	1	1
1954	287	107	47	42	43	21	16	6	3	1	1
1958	298	106	51	47	46	22	16	6	3	1	(1)
Employees:[2]											
Number:											
1947	14,294	161	311	562	1,244	1,301	2,229	1,930	1,869	2,146	2,542
1954	15,645	258	337	600	1,360	1,475	2,430	2,118	1,963	2,227	2,876
1958	15,394	218	340	644	1,443	1,513	2,497	2,150	1,893	2,046	2,649
Payroll:											
1947	39,696	325	699	1,366	3,242	3,440	5,937	5,244	5,219	6,237	7,986
1954	62,963	663	1,065	2,038	4,797	5,449	9,171	8,218	8,046	9,767	13,749
1958	73,750	738	1,297	2,615	6,058	6,416	10,938	9,709	9,176	10,852	15,950
Value added by manufacture:[3]											
1947	74,290	904	1,444	2,596	6,039	6,581	11,772	10,432	10,110	11,598	12,812
1954	116,848	1,554	2,008	3,645	8,351	9,662	17,143	15,835	15,451	18,927	24,272
1958	141,270	1,832	2,544	4,838	11,089	12,024	21,162	19,291	18,103	21,449	28,938
Capital expenditures, new:[4]											
1954	7,817	135	137	214	467	557	1,111	967	1,085	1,548	1,597
1958	9,076	293	217	345	643	607	1,165	1,122	1,198	1,417	2,069
PERCENT DISTRIBUTION											
Establishments:											
1947	100.0	29.2	19.4	16.9	16.6	7.8	5.9	2.3	1.1	0.6	0.2
1954	100.0	37.3	16.5	14.6	14.9	7.4	5.5	2.1	1.0	0.5	0.2
1958	100.0	35.4	17.0	15.7	15.5	7.3	5.4	2.1	0.9	0.5	0.2
Employees:[2]											
Number:											
1947	100.0	1.1	2.2	3.9	8.7	9.1	15.6	13.5	13.1	15.0	17.8
1954	100.0	1.7	2.2	3.8	8.7	9.4	15.5	13.5	12.5	14.2	18.4
1958	100.0	1.4	2.2	4.2	9.4	9.8	16.2	14.0	12.3	13.3	17.2
Payroll:											
1947	100.0	0.8	1.8	3.4	8.2	8.7	15.0	13.2	13.1	15.7	20.1
1954	100.0	1.1	1.7	3.2	7.6	8.7	14.6	13.1	12.8	15.5	21.8
1958	100.0	1.0	1.8	3.5	8.2	8.7	14.8	13.2	12.4	14.7	21.6
Value added by manufacture:[3]											
1947	100.0	1.2	1.9	3.5	8.1	8.9	15.8	14.0	13.6	15.6	17.2
1954	100.0	1.3	1.7	3.1	7.1	8.3	14.7	13.6	13.2	16.2	20.8
1958	100.0	1.3	1.8	3.4	7.8	8.5	15.0	13.7	12.8	15.2	20.5
Capital expenditures, new:[4]											
1954	100.0	1.7	1.8	2.7	6.0	7.1	14.2	12.4	13.9	19.8	20.4
1958	100.0	3.2	2.4	3.8	7.1	6.7	12.8	12.4	13.2	15.6	22.8

[1] Less than 500.
[2] Excludes administrative offices and auxiliary units.
[3] For 1958, represents adjusted value added and, for 1947 and 1954, unadjusted value added. Unadjusted value added is obtained by subtracting cost of materials, supplies, containers, fuel, purchased electric energy, and contract work from value of shipments for products manufactured plus receipts for services rendered. Adjusted value added also takes into account (*a*) value added by merchandising operations (that is, difference between the sales value and cost of merchandise sold without further manufacture, processing, or assembly), plus (*b*) net change in finished goods and work-in-process inventories between beginning and end of year.
[4] Excludes expenditures for plants under construction and not yet in operation. Data by employment-size class not available for 1947.

Source: Department of Commerce, Bureau of the Census; *Concentration Ratios in Manufacturing Industry, 1958.*

No. 1095. Manufactures—General Statistics

[Beginning 1958, includes Alaska and Hawaii. "N.e.c." means not elsewhere classified. Data based on new editions of the *Statistical*

	INDUSTRY GROUP	1954			1958			
		Establishments	All employees, payroll	*Value* added by manufacture, adjusted [1]	Establishments	*All employees* Number [2]	*All employees* Payroll	*Value* added by manufacture, adjusted [1]
1	**All manufacturing establishments, incl. administrative and auxiliary units**	286,814	*Mil. dol.* 62,963	*Mil. dol.* 117,386	303,536	*1,000* 16,025	*Mil. dol.* 78,326	*Mil. dol.* 141,500
2	**Operating manufacturing establishments only**	(4)	(4)	(4)	299,036	15,421	73,854	141,500
3	**Food and kindred products**	42,373	6,200	13,767	41,983	1,718	7,621	17,685
4	Meat products	4,992	1,235	1,938	5,546	312	1,467	2,502
5	Dairy products	11,503	1,086	2,303	9,879	295	1,351	2,876
6	Canned and frozen foods	3,513	573	1,374	3,819	234	775	1,969
7	*Grain-mill products*	3,410	495	1,467	3,484	119	576	1,856
8	Bakery products	6,414	1,124	2,057	6,365	302	1,338	2,643
9	Sugar	137	118	265	170	33	162	383
10	Candy and related products	1,490	255	610	1,458	80	299	750
11	Beverages	5,942	913	2,468	5,597	207	1,044	2,843
12	Other food preparations	(4)	(4)	(4)	5,570	135	607	1,859
13	**Tobacco products**	627	260	1,004	504	84	295	[5] 1,413
14	Cigarettes	19	104	677	19	34	142	1,059
15	Cigars	410	89	168	283	29	82	183
16	Chewing and smoking tobacco	65	23	80	58	6	24	86
17	Tobacco stemming and redrying	133	43	79	144	15	47	86
18	**Textile mill products**	8,054	2,989	4,606	7,675	902	2,938	4,858
19	Weaving mills, cotton	582	783	1,135	496	243	724	1,079
20	Weaving mills, synthetics	478	273	409	401	82	277	469
21	Weaving, finishing mills, wool	399	230	330	469	56	206	337
22	Narrow fabric mills	513	79	124	488	25	86	143
23	Knitting mills	3,042	597	940	2,786	213	650	1,101
24	Textile finishing, exc. wool	725	292	462	798	73	293	456
25	Floor covering mills	(4)	(4)	(4)	282	34	123	260
26	Yarn and thread mills	(4)	(4)	(4)	787	107	307	514
27	Misc. textile goods	(4)	(4)	(4)	1,168	69	272	499
28	**Apparel and related products**	31,372	3,202	5,166	29,358	1,182	3,590	6,011
29	Men's and boys' suits and coats	1,310	375	527	1,365	122	408	643
30	Men's and boys' furnishings	3,901	639	1,006	3,135	273	694	1,138
31	Women's and misses' outerwear	10,298	1,046	1,696	9,781	361	1,157	1,918
32	Women's undergarments	1,843	285	510	1,645	111	322	596
33	Millinery, hats and caps	1,457	126	191	1,249	36	123	200
34	Children's outerwear	1,983	196	320	1,928	81	231	381
35	Fur goods	1,972	40	76	1,651	9	50	95
36	Misc. apparel	1,804	163	269	1,701	60	177	306
37	Fabricated textiles, n.e.c.	7,274	381	648	6,903	129	427	732
38	***Lumber and wood products***	*41,484*	*1,934*	*3,242*	*37,878*	*552*	*1,991*	*3,183*
39	Logging camps and contractors	12,865	211	393	12,805	72	228	390
40	Sawmills and planing mills	20,487	962	1,610	16,550	278	869	1,344
41	Millwork and related products	(4)	(4)	(4)	4,125	135	572	926
42	Wooden containers	1,513	138	215	1,278	40	122	184
43	Misc. wood products	(4)	(4)	(4)	3,031	57	199	340
44	**Furniture and fixtures**	10,273	1,197	1,998	10,179	348	1,391	2,354
45	Household furniture	6,470	819	1,336	6,520	252	944	1,583
46	Office furniture	241	85	157	301	23	110	212
47	Public building furniture	292	53	90	390	16	69	113
48	Partitions and fixtures	1,626	143	236	1,848	38	187	301
49	Furniture and fixtures, n.e.c.	(4)	(4)	(4)	1,120	19	81	144
50	**Paper and allied products**	5,004	2,205	4,630	5,271	555	2,780	5,707
51	Pulp mills	(4)	(4)	(4)	59	14	75	196
52	Paper mills, exc. building	(4)	975	2,305	354	131	741	1,542
53	*Paperboard mills*	(4)	(4)	(4)	252	57	322	840
54	Paper and board products	(4)	(4)	(4)	2,245	151	705	1,413
55	Paperboard containers and boxes	(4)	(4)	(4)	2,180	181	835	1,502
56	Building paper and board mills	(4)	(4)	(4)	181	21	103	215

For footnotes, see pp. 780 and 781.

FOR INDUSTRY GROUPS: 1954 TO 1961

Standard Industrial Classification (1957) and therefore not comparable with figures shown in the 1960 and earlier *Abstract;* see text, p. 772]

1960			1961							
All employees		Value added by manufacture, adjusted [1]	All employees		Production workers			Value added by manufacture, adjusted [1]	Capital expenditures, new [3]	
Number [2]	Payroll		Number [2]	Payroll	Number [2]	Man-hours	Wages			
1,000	*Mil. dol.*	*Mil. dol.*	*1,000*	*Mil. dol.*	*1,000*	*Millions*	*Mil. dol.*	*Mil. dol.*	*Mil. dol.*	
16,763	88,087	164,032	16,341	88,141	11,790	23,311	54,792	164,369	9,264	1
16,160	83,616	164,032	15,738	83,670	11,790	23,311	54,792	164,369	9,264	2
1,717	8,199	19,721	1,704	8,368	1,138	2,319	4,933	20,271	1,033	3
311	1,572	2,742	307	1,595	254	498	1,160	2,777	108	4
288	1,406	3,229	281	1,410	128	268	584	3,324	181	5
239	863	2,381	243	900	212	405	682	2,476	134	6
118	609	1,998	117	634	82	179	400	2,075	127	7
304	1,461	2,843	298	1,471	174	359	764	2,872	110	8
33	174	441	32	177	26	58	137	436	40	9
79	322	840	79	336	63	126	234	871	30	10
211	1,137	3,163	208	1,165	112	232	579	3,234	195	11
136	654	2,081	136	679	96	194	392	2,204	109	12
83	319	1,546	79	323	69	135	258	[5] 1,596	49	13
36	166	[5] 1,130	36	172	31	61	142	[5] 1,194	29	14
26	79	[5] 197	23	73	21	40	61	[5] 187	3	15
6	25	[5] 98	6	29	5	9	19	[5] 103	2	16
14	49	[5] 120	13	50	11	25	36	[5] 112	15	17
899	3,208	5,669	871	3,171	779	1,546	2,566	5,613	315	18
239	816	1,383	228	785	213	427	695	1,279	81	19
80	301	563	79	298	71	147	248	525	23	20
56	217	372	51	206	45	90	163	367	16	21
26	97	169	24	93	21	43	69	172	6	22
217	701	1,202	217	721	194	363	571	1,253	64	23
72	307	517	70	307	59	124	235	530	28	24
35	134	324	34	133	28	57	97	337	17	25
105	335	578	103	336	95	185	282	602	45	26
69	300	562	66	293	54	111	207	548	36	27
1,244	3,884	6,617	1,212	3,865	1,064	1,890	2,994	6,697	82	28
133	489	[5] 748	126	461	110	194	393	[5] 724	5	29
284	763	1,260	275	755	250	449	616	1,268	15	30
373	1,197	2,060	365	1,198	320	561	914	2,103	20	31
118	343	642	116	350	100	168	254	661	8	32
38	126	216	36	126	31	57	94	209	(6)	33
83	239	394	78	232	69	118	180	387	(6)	34
(6)	(6)	(6)	(6)	(6)	(6)	(6)	(6)	(6)	(6)	35
66	194	321	65	198	55	98	146	352	(6)	36
139	480	880	141	490	121	231	357	889	21	37
591	2,149	3,456	553	2,067	492	953	1,688	3,395	234	38
73	248	439	71	244	64	118	216	444	59	39
276	938	1,498	249	866	227	438	738	1,404	115	40
141	617	934	137	620	118	234	474	968	37	41
38	124	194	37	120	32	64	96	197	(6)	42
62	222	391	60	216	51	98	163	382	16	43
364	1,529	2,615	350	1,492	291	587	1,090	2,543	76	44
263	1,034	1,740	253	1,003	216	431	751	1,674	44	45
25	124	253	24	120	19	39	89	247	8	46
18	78	125	17	82	14	28	56	134	(6)	47
39	208	347	39	210	29	63	143	347	(6)	48
19	85	151	17	77	13	27	51	141	4	49
579	3,113	6,554	573	3,192	457	960	2,316	6,647	600	50
14	90	201	13	84	10	22	62	179	26	51
137	820	1,877	135	835	110	239	642	1,876	240	52
58	354	940	57	359	46	102	275	916	106	53
158	796	1,635	158	827	124	250	563	1,726	102	54
191	944	1,660	190	975	150	311	683	1,712	101	55
21	110	240	21	112	17	36	90	238	24	56

No. 1095. Manufactures—General Statistics

	INDUSTRY GROUP	1954			1958			
		Establishments	All employees, payroll	Value added by manufacture, adjusted [1]	Establishments	All employees		Value added by manufacture, adjusted [1]
						Number [2]	Payroll	
			Mil. dol.	*Mil. dol.*		*1,000*	*Mil. dol.*	*Mil. dol.*
1	**Printing and publishing**	32,530	3,619	6,403	35,456	866	4,489	7,939
2	Newspapers	8,645	1,257	2,138	8,279	296	1,500	2,529
3	Periodicals	2,045	313	806	2,323	66	381	933
4	Books	1,412	245	552	1,694	69	338	843
5	Misc. publishing	946	73	151	1,105	20	96	207
6	Commercial printing	(4)	(4)	(4)	17,310	288	1,519	2,348
7	Manifold business forms	(4)	(4)	(4)	704	24	121	245
8	Greeting cards	294	70	135	282	22	89	179
9	Bookbinding and related work	(4)	(4)	(4)	1,406	40	166	265
10	Printing trades services	2,205	236	327	2,328	42	279	390
11	**Chemicals and allied products**	11,074	3,377	9,547	11,309	699	3,949	12,273
12	Basic chemicals	1,474	1,201	3,223	1,698	238	1,460	4,260
13	Fibers, plastics, rubbers	273	508	1,427	407	122	683	1,900
14	Drugs	1,371	426	1,365	1,359	96	546	2,096
15	Cleaning and toilet goods	(4)	(4)	(4)	2,654	79	418	1,903
16	Paints and varnishes	(4)	(4)	(4)	1,709	59	323	807
17	Gum and wood chemicals	(4)	(4)	(4)	190	7	30	85
18	Agricultural chemicals	(4)	(4)	(4)	1,305	39	160	415
19	Other chemical products	(4)	(4)	(4)	1,987	60	327	804
20	**Petroleum and coal products**	1,262	953	2,241	1,608	179	1,117	2,518
21	Petroleum refining	409	816	1,918	446	146	944	2,119
22	Paving and roofing materials	523	88	208	772	23	119	269
23	Petroleum and coal products, n.e.c.	330	49	115	390	10	53	130
24	**Rubber and plastics products, n.e.c.**	3,845	1,410	2,553	4,462	348	1,723	3,277
25	Tires and inner tubes	49	442	878	123	89	522	1,180
26	Rubber footwear	22	64	107	27	20	86	150
27	Reclaimed rubber	20	13	23	16	2	12	21
28	Fabricated rubber products, n.e.c.	1,315	541	946	1,074	120	593	997
29	Plastics products, n.e.c.	2,439	350	598	3,222	116	511	929
30	**Leather and leather products**	4,845	1,027	1,641	4,549	349	1,146	1,898
31	Leather tanning and finishing	579	168	260	578	37	166	276
32	Industrial leather belting	136	19	35	104	4	19	36
33	Footwear, cut stock	563	57	87	513	18	58	98
34	Footwear, except rubber	1,369	619	988	1,279	227	700	1,146
35	Leather gloves	239	16	23	179	6	16	[5] 26
36	Luggage	497	52	91	428	16	55	97
37	Purses and small leather goods	1,139	105	164	1,020	36	115	187
38	Leather goods, n.e.c.	(4)	(4)	(4)	433	5	18	31
39	**Stone, clay, and glass products**	(4)	(4)	(4)	15,055	555	2,597	5,535
40	Flat glass	32	133	247	32	21	134	263
41	Pressed and blown glassware	372	355	679	240	92	431	845
42	Products of purchased glass	(4)	88	193	1,031	24	110	243
43	Cement, hydraulic	162	168	526	175	41	214	725
44	Structural clay products	1,053	267	428	1,018	70	293	490
45	Pottery and related products	867	174	258	755	44	181	284
46	Concrete and plaster products	(4)	(4)	(4)	9,171	150	693	1,554
47	Cut stone and stone products	977	78	121	1,001	20	83	129
48	Nonmetallic minerals, n.e.c.	(4)	(4)	(4)	1,609	91	459	1,002
49	**Primary metal industries**	6,171	5,330	9,899	6,446	1,096	6,303	11,671
50	Steel rolling and finishing	(4)	(4)	(4)	712	578	3,571	6,863
51	Iron and steel foundries	1,734	896	1,327	1,648	182	886	1,322
52	Primary nonferrous metals	103	240	568	112	47	266	700
53	Secondary nonferrous metals	354	69	145	387	14	76	147
54	Nonferrous rolling and drawing	(4)	(4)	(4)	711	160	885	1,726
55	Nonferrous foundries	1,920	328	472	1,965	62	319	471
56	Primary metal industries, n.e.c.	(4)	(4)	(4)	911	52	301	442

For footnotes, see pp. 780 and 781.

FOR INDUSTRY GROUPS: 1954 TO 1961—Continued

1960			1961							
All employees		Value added by manufacture, adjusted [1]	All employees		Production workers			Value added by manufacture, adjusted [1]	Capital expenditures, new [3]	
Number [2]	Payroll		Number [2]	Payroll	Number [2]	Man-hours	Wages			
1,000	*Mil. dol.*	*Mil. dol.*	*1,000*	*Mil. dol.*	*1,000*	*Millions*	*Mil. dol.*	*Mil. dol.*	*Mil. dol.*	
909	5,064	9,306	923	5,227	565	1,092	3,010	9,492	414	1
307	1,674	2,925	312	1,725	162	300	905	2,989	129	2
67	441	1,168	67	457	12	21	62	1,188	25	3
76	408	1,130	79	440	40	85	206	1,179	33	4
21	113	237	22	121	10	16	47	256	(6)	5
303	1,708	2,648	307	1,747	239	464	1,275	2,683	173	6
25	132	289	26	136	18	36	91	298	(6)	7
23	102	197	23	108	15	30	56	190	(6)	8
44	191	308	44	198	38	74	145	316	13	9
43	296	405	43	296	32	66	223	392	(6)	10
723	4,414	14,347	715	4,528	461	932	2,516	14,768	1,257	11
241	1,614	5,079	238	1,664	158	322	1,005	5,238	607	12
130	789	2,256	127	807	90	183	501	2,287	304	13
104	624	2,354	102	633	56	110	272	2,440	105	14
83	468	2,229	84	494	51	102	241	2,368	63	15
59	359	902	58	360	33	66	162	913	27	16
7	32	100	7	32	5	11	22	100	7	17
43	187	528	42	188	30	60	114	501	82	18
56	340	897	56	350	38	78	198	919	64	19
171	1,145	3,308	163	1,142	118	236	765	3,438	528	20
135	936	2,773	129	938	92	182	630	2,915	493	21
25	144	374	25	148	19	40	105	379	(6)	22
11	66	161	10	57	6	13	30	145	(6)	23
378	1,998	3,773	373	2,026	290	581	1,409	3,929	252	24
92	590	1,272	87	570	67	130	419	1,263	85	25
22	96	162	24	107	21	41	87	184	6	26
2	15	29	2	13	2	3	10	25	1	27
128	670	1,162	121	662	91	182	439	1,180	49	28
134	628	1,148	139	673	110	225	454	1,276	111	29
358	1,227	2,044	350	1,225	311	569	968	2,042	35	30
35	164	279	33	158	29	55	124	267	5	31
(6)	(6)	(6)	(6)	(6)	(6)	(6)	(6)	(6)	(6)	32
20	69	113	20	67	17	32	53	112	(6)	33
228	743	[5] 1,221	228	757	206	369	613	[5] 1,248	22	34
7	19	[5] 28	7	20	6	11	16	[5] 30	(6)	35
18	61	108	15	56	13	25	41	94	(6)	36
39	127	209	38	128	33	62	96	211	3	37
5	19	34	5	18	4	9	13	36	(6)	38
587	2,978	6,394	570	2,948	461	930	2,157	6,336	464	39
23	168	345	21	146	18	35	121	285	13	40
98	495	1,013	97	502	85	168	417	1,054	73	41
28	132	314	27	129	22	44	96	289	7	42
39	228	749	37	220	31	61	172	747	77	43
75	331	549	72	324	62	121	248	545	(6)	44
45	202	318	42	193	36	67	148	301	13	45
157	782	1,770	156	795	117	251	529	1,778	162	46
23	95	143	23	99	19	39	79	150	(6)	47
98	546	1,192	95	541	70	144	348	1,188	74	48
1,180	7,251	13,350	1,105	7,090	896	1,733	5,296	12,834	1,183	49
622	4,071	7,704	570	3,947	461	871	2,976	7,267	829	50
196	1,041	1,578	183	997	157	294	782	1,510	85	51
49	308	941	47	297	38	77	224	867	50	52
17	94	167	16	97	12	27	62	179	12	53
170	1,000	1,844	167	1,022	129	266	716	1,912	152	54
70	377	574	66	366	55	110	274	561	23	55
57	360	541	56	365	44	87	262	539	30	56

No. 1095. Manufactures—General Statistics

	Industry group	1954			1958			
		Establishments	All employees, payroll	Value added by manufacture, adjusted [1]	Establishments	All employees		Value added by manufacture, adjusted [1]
						Number [2]	Payroll	
			Mil. dol.	*Mil. dol.*		*1,000*	*Mil. dol.*	*Mil. dol.*
1	**Fabricated metal products**	22,042	4,605	8,021	24,782	1,059	5,416	9,423
2	Metal cans	227	245	500	222	54	304	669
3	Cutlery, hand tools, hardware	1,930	600	1,041	2,094	136	657	1,202
4	Plumbing and nonelectric heating	(4)	(4)	(4)	989	72	357	672
5	Structural metal products	7,421	1,281	2,235	9,409	341	1,807	2,963
6	Screw machine products and bolts	2,252	398	665	2,317	85	441	755
7	Metal stampings	2,320	595	958	2,456	126	646	1,049
8	Metal services, n.e.c.	3,233	183	285	3,649	52	224	362
9	Fabricated wire prod., n.e.c.	1,275	244	413	1,463	55	261	440
10	Fabricated metal prod., n.e.c.	(4)	(4)	(4)	2,183	137	715	1,300
11	**Machinery, exc. electrical**	(4)	(4)	(4)	29,867	1,348	7,305	12,393
12	Engines and turbines	141	400	651	140	96	552	1,068
13	Farm machinery and equipment	(4)	(4)	(4)	1,469	109	551	1,088
14	Construction and like equipment	(4)	(4)	(4)	2,048	200	1,073	2,055
15	Metalworking machinery	(4)	(4)	(4)	7,930	234	1,380	2,058
16	Special industry machinery	2,000	755	1,224	3,174	162	854	1,340
17	General industrial machinery	(4)	(4)	(4)	3,325	211	1,143	1,935
18	Office machines, n.e.c.	(4)	(4)	(4)	346	122	667	971
19	Service industry machines	(4)	(4)	(4)	1,256	100	509	918
20	Machine shops	6,832	442	737	10,171	116	575	960
21	**Electrical machinery**	(4)	(4)	(4)	8,091	1,122	5,606	10,395
22	Electric distribution products	(4)	(4)	(4)	1,069	134	724	1,339
23	Electrical industrial apparatus	(4)	(4)	(4)	1,061	156	819	1,448
24	Household appliances	(4)	(4)	(4)	651	143	732	1,549
25	Lighting and wiring devices	(4)	(4)	(4)	1,819	123	564	1,177
26	Radio, TV, receiving equipment	(4)	(4)	(4)	328	74	326	687
27	Communication equipment	(4)	(4)	(4)	607	215	1,204	2,038
28	Electronic components	(4)	(4)	(4)	1,687	198	854	1,434
29	Electrical products, n.e.c.	893	365	644	869	78	383	724
30	**Transportation equipment**	5,349	8,300	13,782	6,625	1,558	9,165	15,285
31	Motor vehicles and equipment	2,195	3,412	6,208	2,283	577	3,318	6,751
32	Aircraft and parts	1,404	4,049	6,438	1,569	765	4,720	6,924
33	Ships and boats	1,509	562	757	1,970	145	774	1,072
34	Railroad equipment	86	244	328	92	40	222	320
35	Motorcycles, bicycles, and parts	46	28	40	51	8	33	52
36	Transportation equipment, n.e.c.	383	50	79	642	23	98	166
37	**Instruments and related products**	3,141	1,200	2,131	3,526	297	1,578	2,906
38	Scientific instruments	(4)	(4)	(4)	567	67	399	607
39	Mechanical measuring devices	614	303	543	710	76	387	716
40	Optical instruments and lenses	204	38	55	224	7	38	60
41	Medical instruments and supplies	(4)	(4)	(4)	1,070	42	195	414
42	Ophthalmic goods	238	65	107	246	18	71	137
43	Photographic equipment	449	308	596	480	60	369	789
44	Watches and clocks	209	119	201	229	26	119	184
45	**Misc. manufacturing industries** [7]	14,588	2,357	3,909	14,306	572	2,848	4,755
46	Jewelry and silverware	2,101	183	302	2,086	42	186	324
47	Musical instruments and parts	242	61	94	274	17	82	132
48	Toys and sporting goods	2,461	266	468	2,607	99	362	712
49	Office supplies	832	109	201	921	29	124	237
50	Costume jewelry and notions	2,364	200	318	2,205	56	194	338
51	Misc. manufactures [7]	6,572	1,494	2,422	6,180	328	1,901	3,013
52	**Administrative and auxiliary** [3]	(4)	2,940	----------	4,500	603	4,471	----------

[1] Value of shipments less cost of materials, supplies, fuels, electric energy, and contract work plus net change in finished goods and work-in-process inventory and value added in merchandising activities of manufacturing establishments.

[2] "All employees" represent the average of "production workers" plus all other employees for the payroll period ended nearest the 15th of March.

[3] Excludes expenditures for plants under construction and not yet in operation.

[4] Comparable data not available.

FOR INDUSTRY GROUPS: 1954 TO 1961—Continued

1960			1961							
All employees		Value added by manufacture, adjusted [1]	All employees		Production workers			Value added by manufacture, adjusted [1]	Capital expenditures, new [3]	
Number [2]	Payroll		Number [2]	Payroll	Number [2]	Man-hours	Wages			
1,000	*Mil. dol.*	*Mil. dol.*	*1,000*	*Mil. dol.*	*1,000*	*Millions*	*Mil. dol.*	*Mil. dol.*	*Mil. dol.*	
1,087	5,891	10,320	1,051	5,810	803	1,629	3,953	10,283	417	1
54	334	666	53	348	46	96	287	758	48	2
140	739	1,411	136	718	103	208	490	1,401	56	3
70	373	759	67	364	50	98	241	720	24	4
331	1,845	2,979	325	1,832	238	487	1,180	2,950	104	5
94	509	897	88	492	68	135	332	844	30	6
135	731	1,225	125	685	101	207	487	1,183	50	7
63	283	485	62	286	53	103	223	475	(6)	8
61	307	519	57	301	46	95	208	511	23	9
138	768	1,371	135	782	98	199	502	1,431	57	10
1,425	8,469	14,383	1,374	8,367	973	1,948	5,226	14,148	652	11
85	531	1,000	78	509	54	104	315	895	49	12
99	540	941	103	581	77	149	383	1,061	46	13
220	1,290	2,162	196	1,191	130	262	707	2,165	78	14
257	1,661	2,688	247	1,596	185	377	1,066	2,493	94	15
175	1,015	1,762	172	1,024	119	243	626	1,759	70	16
223	1,335	2,286	214	1,319	146	290	783	2,203	97	17
136	858	1,295	140	905	92	182	514	1,386	108	18
103	566	1,098	98	552	68	136	329	1,003	49	19
126	673	1,151	127	690	103	205	503	1,182	61	20
1,340	7,245	13,064	1,364	7,689	941	1,886	4,493	13,759	613	21
146	842	1,577	149	878	104	208	517	1,566	79	22
173	980	1,747	167	977	117	229	584	1,722	65	23
152	825	1,675	141	798	108	211	545	1,647	45	24
139	667	1,434	137	692	105	208	460	1,462	51	25
80	378	794	85	410	66	125	267	838	31	26
289	1,851	2,814	331	2,207	183	385	1,070	3,491	157	27
274	1,242	2,114	269	1,266	193	389	743	2,131	153	28
88	459	909	85	461	64	131	306	902	32	29
1,588	10,337	18,427	1,506	10,130	1,057	2,153	6,328	17,585	699	30
695	4,505	10,119	604	3,962	487	997	3,005	8,968	409	31
681	4,628	6,579	695	4,957	401	825	2,419	6,995	225	32
134	782	1,016	137	832	115	228	649	1,062	46	33
42	262	451	35	225	25	47	146	323	11	34
8	37	61	8	38	7	13	27	61	3	35
28	122	201	27	116	22	41	82	176	(6)	36
342	2,024	3,819	343	2,099	220	439	1,110	3,911	187	37
89	585	916	93	637	55	111	313	989	38	38
88	493	904	89	506	56	114	275	926	30	39
8	51	(6)	8	51	5	11	29	65	9	40
47	256	547	47	265	31	63	135	541	(6)	41
21	84	153	19	84	16	32	61	148	9	42
62	419	979	61	428	37	73	218	1,012	49	43
27	137	240	25	128	18	36	79	230	(6)	44
594	3,163	5,302	558	2,904	404	792	1,714	5,065	173	45
42	203	374	43	207	34	69	142	383	6	46
22	105	149	22	108	17	34	72	158	4	47
105	401	846	110	416	92	169	286	908	35	48
30	136	269	29	133	21	42	79	276	(6)	49
53	194	356	52	195	43	83	134	360	9	50
342	2,124	3,308	302	1,844	198	396	1,001	2,979	108	51
603	4,471	----------	603	4,471	----------	----------	----------	----------	----------	52

[1] Value of production. The formula for computing adjusted value added by manufacture was modified to exclude any change in finished products inventories between beginning and end of year.
[6] Withheld because estimate did not meet publication standards.
[7] Includes privately owned and/or operated establishments classified in "Ordnance and accessories."
[8] Manufacturing concerns often reported separately for central offices or auxiliaries which serve the manufacturing establishments of a company, rather than the general public. Separate reports were obtained from such units if at a different location or if they serviced more than one establishment.

Source: Department of Commerce, Bureau of the Census; *U.S. Census of Manufactures: 1958*, Vol. III, *1961 Annual Survey of Manufactures*, and records.

No. 1096. Manufactures—General

	DIVISION AND STATE	1954			1958			
		Establishments	Payroll	Value added by manufacture, adjusted [1]	Establishments	All employees [2]		Value added by manufacture, adjusted [1]
						Number [3]	Payroll	
1	**United States**	287,556	*Mil. dol.* 66,033	*Mil. dol.* 117,085	299,036	*1,000* 16,025	*Mil. dol.* 78,326	*Mil. dol.* 141,500
2	**New England**	24,625	5,455	9,129	24,588	1,399	6,294	10,439
3	Maine	3,015	325	565	2,733	98	377	638
4	New Hampshire	1,609	247	409	1,446	80	298	491
5	Vermont	1,071	124	223	1,016	32	132	236
6	Massachusetts	11,205	2,576	4,356	11,409	680	3,069	5,130
7	Rhode Island	2,635	432	697	2,736	114	452	754
8	Connecticut	5,090	1,750	2,877	5,248	394	1,965	3,189
9	**Middle Atlantic**	82,380	17,884	30,403	81,569	4,110	20,450	34,839
10	New York	50,402	8,468	14,141	48,523	1,914	9,617	15,892
11	New Jersey	13,183	3,507	6,332	14,009	795	4,068	7,499
12	Pennsylvania	18,795	5,910	9,930	19,037	1,401	6,766	11,448
13	**East North Central**	58,946	20,893	36,491	60,808	4,260	22,980	40,938
14	Ohio	14,550	5,818	10,154	14,931	1,201	6,517	11,473
15	Indiana	6,355	2,533	4,632	6,555	551	2,874	5,478
16	Illinois	17,628	5,421	9,664	18,100	1,188	6,216	11,664
17	Michigan	12,711	5,252	8,707	13,429	880	5,164	8,364
18	Wisconsin	7,702	1,869	3,334	7,793	439	2,208	3,960
19	**West North Central**	19,020	3,853	7,114	20,124	963	4,608	8,870
20	Minnesota	5,027	865	1,595	5,317	220	1,089	2,050
21	Iowa	3,320	648	1,236	3,567	166	812	1,684
22	Missouri	6,198	1,497	2,727	6,437	380	1,770	3,251
23	North Dakota	367	19	35	405	6	26	63
24	South Dakota	546	41	78	575	13	55	114
25	Nebraska	1,423	223	394	1,536	59	265	536
26	Kansas	2,139	560	1,049	2,287	119	591	1,171
27	**South Atlantic**	30,530	5,698	10,658	33,079	1,889	7,279	14,292
28	Delaware	556	267	353	547	58	349	420
29	Maryland	3,253	1,002	1,889	3,435	259	1,255	2,379
30	District of Columbia	484	92	157	507	21	114	198
31	Virginia	4,398	777	1,629	4,414	258	986	2,123
32	West Virginia	2,027	495	988	1,899	118	586	1,215
33	North Carolina	6,645	1,186	2,210	7,289	462	1,490	3,083
34	South Carolina	2,720	635	1,041	2,888	226	732	1,360
35	Georgia	5,655	854	1,592	5,796	314	1,077	2,102
36	Florida	4,792	389	798	6,304	172	690	1,411
37	**East South Central**	12,854	2,367	4,702	13,641	783	3,102	6,402
38	Kentucky	2,651	553	1,236	2,850	162	721	1,782
39	Tennessee	4,058	883	1,679	4,450	283	1,106	2,207
40	Alabama	3,893	690	1,319	3,927	230	920	1,771
41	Mississippi	2,252	239	468	2,414	109	355	642
42	**West South Central**	16,469	2,789	5,722	18,400	797	3,660	7,791
43	Arkansas	2,428	222	457	2,571	89	293	592
44	Louisiana	3,020	534	1,182	3,125	137	621	1,430
45	Oklahoma	2,131	364	581	2,366	93	458	725
46	Texas	8,890	1,669	3,502	10,338	478	2,288	5,045
47	**Mountain**	6,685	763	1,501	7,561	229	1,151	2,251
48	Montana	868	72	141	925	20	95	197
49	Idaho	981	94	179	1,059	28	128	255
50	Wyoming	328	27	51	329	7	34	63
51	Colorado	2,069	255	472	2,242	78	405	782
52	New Mexico	593	33	66	665	14	59	115
53	Arizona	817	111	192	1,150	41	216	360
54	Utah	852	121	276	986	38	186	412
55	Nevada	177	25	63	205	5	27	68
56	**Pacific**	36,047	6,321	11,365	39,266	1,594	8,801	15,666
57	Washington	4,929	854	1,549	5,065	215	1,173	2,167
58	Oregon	5,870	567	1,037	5,025	134	649	1,222
59	California	24,509	4,807	8,597	28,322	1,217	6,871	12,048
60	Alaska	219	20	40	245	5	26	65
61	Hawaii	520	77	140	609	24	82	165

[1] See footnote 1, table 1095.
[2] Includes employment and payroll at administrative offices and auxiliary units.
[3] "Production workers" represents the average of the employment for the payroll periods ended nearest the 15th of March, May, August, and November. "All employees" represents the average of "Production workers" plus all other employees for the payroll period ended nearest the 15th of March.

STATISTICS, BY STATES: 1954 TO 1961

1960 [4]			1961 [4]							
All employees		Value added by manufacture, adjusted [1]	All employees [2]		Production workers			Value added by manufacture, adjusted [1]	Capital expenditures, new [5]	
Number	Payroll		Number [3]	Payroll	Number [3]	Man-hours	Wages			
1,000	*Mil. dol.*	*Mil. dol.*	*1,000*	*Mil. dol.*	*1,000*	*Millions*	*Mil. dol.*	*Mil. dol.*	*Mil. dol.*	
16,763	88,087	164,032	16,341	88,141	11,790	23,311	54,792	164,369	9,264	1
1,469	7,151	12,329	1,457	7,322	1,078	2,142	4,630	12,666	575	2
101	414	693	101	423	85	171	318	716	56	3
84	342	598	81	346	66	131	249	589	28	4
36	161	282	35	159	27	55	107	284	15	5
718	3,485	6,037	716	3,596	517	1,018	2,183	6,229	263	6
120	511	933	119	517	93	182	355	959	42	7
409	2,237	3,785	406	2,281	290	585	1,418	3,888	171	8
4,234	22,432	39,570	4,081	22,279	2,864	5,550	13,169	39,178	1,871	9
1,965	10,466	18,013	1,899	10,415	1,285	2,494	5,738	18,040	688	10
816	4,494	8,632	797	4,539	555	1,105	2,772	8,773	452	11
1,453	7,471	12,925	1,385	7,324	1,020	1,952	4,659	12,365	732	12
4,497	26,287	48,315	4,273	25,443	3,042	6,064	16,147	47,161	2,570	13
1,268	7,474	13,830	1,194	7,213	848	1,679	4,598	13,303	717	14
590	3,312	6,269	566	3,264	425	845	2,206	6,332	380	15
1,209	6,837	12,624	1,169	6,786	814	1,627	4,134	12,753	681	16
963	6,107	10,858	890	5,681	627	1,261	3,599	10,203	564	17
467	2,557	4,733	454	2,560	328	653	1,610	4,570	228	18
989	5,127	10,100	964	5,169	681	1,353	3,207	10,227	522	19
229	1,242	2,375	230	1,293	156	312	754	2,471	119	20
176	921	1,816	171	927	123	247	602	1,849	123	21
393	1,966	3,872	373	1,926	263	513	1,178	3,786	166	22
6	25	60	6	26	4	9	16	61	4	23
13	64	122	14	67	10	21	46	124	(6)	24
61	306	618	62	320	45	92	211	659	31	25
111	602	1,238	109	611	80	160	400	1,277	68	26
1,986	8,292	17,072	1,967	8,484	1,546	3,046	5,678	17,317	1,184	27
59	372	516	56	362	28	56	133	464	55	28
257	1,344	2,695	255	1,377	183	354	859	2,716	163	29
23	134	239	23	138	11	22	59	243	(6)	30
273	1,135	2,433	275	1,186	220	429	822	2,518	171	31
117	630	1,371	112	621	86	166	440	1,373	110	32
500	1,751	3,805	493	1,771	416	814	1,302	3,891	225	33
241	858	1,719	240	886	204	417	675	1,736	108	34
323	1,212	2,497	318	1,235	263	524	877	2,467	148	35
193	855	1,797	195	908	135	266	512	1,909	195	36
819	3,433	7,188	809	3,511	641	1,252	2,419	7,423	493	37
173	817	1,947	169	839	127	250	549	1,985	115	38
308	1,275	2,586	303	1,296	237	467	868	2,737	172	39
229	983	1,958	227	999	185	358	724	1,942	168	40
109	358	697	110	377	92	178	278	759	38	41
816	3,948	8,952	813	4,035	588	1,193	2,536	9,215	871	42
104	365	760	107	385	89	176	284	812	70	43
133	653	1,574	129	651	97	199	442	1,593	165	44
93	471	801	91	470	59	117	254	811	45	45
486	2,459	5,817	485	2,529	344	702	1,557	5,998	591	46
259	1,417	2,711	266	1,524	186	374	970	2,856	199	47
20	100	206	20	102	15	30	74	218	18	48
29	142	276	29	141	23	45	104	282	26	49
7	35	73	7	38	5	10	24	71	10	50
88	523	931	96	575	66	134	367	984	59	51
14	66	123	13	66	9	19	40	117	(6)	52
48	275	482	50	296	34	69	183	475	34	53
45	244	547	46	272	30	59	154	625	37	54
5	31	72	6	33	4	8	23	83	4	55
1,695	10,110	18,060	1,689	10,406	1,143	2,251	6,059	18,436	979	56
217	1,276	2,282	217	1,337	147	280	779	2,472	140	57
143	741	1,349	141	744	114	218	557	1,364	106	58
1,305	7,968	14,174	1,304	8,197	860	1,713	4,640	14,305	697	59
6	35	72	5	33	4	8	26	88	(6)	60
23	89	183	23	94	17	31	58	207	32	61

[4] Sum of State totals may not add to U.S. total because figures were independently derived.
[5] Excludes expenditures for plants under construction and not yet in operation.
[6] Withheld because estimate did not meet publication standards.

Source: Department of Commerce, Bureau of the Census; *U.S. Census of Manufactures: 1958*, Vol. III, *1961 Annual Survey of Manufactures*, and records.

No. 1097. Manufactures—General Statistics for Standard Metropolitan Statistical Areas With 40,000 or More Manufacturing Employees: 1958 and 1961

[For definition of standard metropolitan statistical area, see table 10, p. 13]

Standard metropolitan statistical area	1958					1961			
	Establishments	All employees[1]		Value added by manufacture, adjusted[2]	Capital expenditures, new	All employees[1]		Value added by manufacture, adjusted[2]	Capital expenditures, new
		Number	Payroll			Number	Payroll		
		1,000	*Mil. dol.*	*Mil. dol.*	*Mil. dol.*	*1,000*	*Mil. dol.*	*Mil. dol.*	*Mil. dol.*
Akron (Ohio) area	698	83	476	761	57	77	494	826	49
Albany-Schenectady-Troy (N.Y.) area	744	72	391	641	31	64	375	609	27
Allentown - Bethlehem - Easton (Pa.) area	1,005	94	430	684	45	94	479	757	46
Atlanta (Ga.) area	1,317	84	380	712	58	83	424	800	40
Baltimore (Md.) area	2,112	198	1,011	1,964	84	192	1,115	2,233	125
Binghamton (N.Y.) area	302	40	194	243	12	39	214	274	17
Birmingham (Ala.) area	660	63	336	587	43	58	327	562	59
Boston (Mass.) area	5,665	303	1,463	2,438	99	328	1,766	3,056	140
Bridgeport (Conn.) area	784	65	332	571	26	67	383	657	21
Buffalo (N.Y.) area	1,820	173	979	1,716	109	162	1,022	1,806	141
Canton (Ohio) area	469	51	270	500	27	50	302	536	27
Chattanooga (Tenn.) area	428	41	166	337	12	40	178	388	16
Chicago (Ill.) area	13,508	856	4,591	8,296	464	833	4,946	9,013	455
Cincinnati (Ohio) area	1,776	151	809	1,485	104	148	871	1,734	59
Cleveland (Ohio) area	3,898	265	1,513	2,511	142	260	1,634	2,807	147
Columbus (Ohio) area	835	72	376	623	48	72	434	729	28
Dallas (Tex.) area	1,756	95	461	845	45	103	525	1,018	42
Dayton (Ohio) area	930	97	547	908	41	98	619	1,053	57
Denver (Colo.) area	1,286	54	286	563	31	71	443	743	36
Detroit (Mich.) area	6,468	468	2,972	4,312	214	450	3,092	5,139	255
Flint (Mich.) area	278	58	343	579	20	64	417	760	59
Fort Worth (Tex.) area	784	57	294	523	20	54	308	538	15
Gary-Hammond-East Chicago (Ind.) area	444	100	614	1,282	251	101	685	1,405	118
Grand Rapids (Mich.) area	841	44	234	410	15	47	278	514	(3)
Greensboro-High Point (N.C.) area	577	42	144	315	12	44	167	362	14
Hartford (Conn.) area	905	87	454	717	32	86	516	852	35
Houston (Tex.) area	1,750	93	515	1,154	151	91	555	1,359	120
Indianapolis (Ind.) area	1,101	96	533	955	65	97	587	1,014	43
Jersey City (N.J.) area	2,400	124	619	1,225	50	113	631	1,318	55
Kansas City (Mo.) area	1,625	102	521	1,067	60	102	587	1,337	56
Lancaster (Pa.) area	632	44	191	368	16	45	217	425	17
Lawrence-Haverhill (Mass.) area	n.a.	36	149	267	15	42	202	342	11
Los Angeles-Long Beach (Calif.) area	16,910	729	4,149	7,045	319	769	4,863	8,325	366
Louisville (Ky.) area	872	87	435	1,161	50	87	489	1,286	47
Memphis (Tenn.) area	708	41	176	394	33	43	205	490	31
Miami (Fla.) area	n.a.	37	143	252	18	40	162	293	24
Milwaukee (Wis.) area	2,298	185	1,021	1,723	78	188	1,147	1,878	80
Minneapolis-St. Paul (Minn.) area	2,433	145	761	1,397	50	153	916	1,684	72
Nashville (Tenn.) area	n.a.	36	155	283	26	41	188	372	29
Newark (N.J.) area	4,425	246	1,290	2,293	122	247	1,439	2,654	154
New Haven (Conn.) area	722	42	205	331	18	42	231	354	16
New Orleans (La.) area	901	46	204	467	26	45	209	472	30
New York (N.Y.) area	39,396	1,183	5,866	9,389	306	1,190	6,333	10,802	275
Paterson-Clifton-Passaic (N.J.) area	3,332	159	798	1,465	50	159	866	1,687	53
Philadephia (Pa.) area	8,124	538	2,744	4,826	306	551	3,114	5,446	323
Pittsburgh (Pa.) area	2,479	304	1,784	2,622	263	281	1,812	2,706	190
Portland (Oreg.) area	1,758	58	296	598	32	62	353	675	38
Providence (R.I.) area	2,913	127	508	850	33	130	573	1,044	42
Reading (Pa.) area	697	48	193	342	16	52	229	384	17
Richmond (Va.) area	492	42	192	451	22	44	222	526	53
Rochester (N.Y.) area	1,015	104	589	1,073	54	105	691	1,281	71
St. Louis (Mo.) area	3,150	257	1,337	2,383	153	250	1,448	2,679	162
San Diego (Calif.) area	755	71	448	606	26	74	525	567	(3)
San Francisco-Oakland (Calif.) area	4,433	191	1,085	2,071	157	196	1,237	2,394	124
San Jose (Calif.) area	773	54	340	632	37	78	544	930	47
Seattle (Wash.) area	1,903	115	660	1,065	57	118	778	1,289	57

See footnotes at end of table.

No. 1097. Manufactures—General Statistics for Standard Metropolitan Statistical Areas With 40,000 or More Manufacturing Employees: 1958 and 1961—Continued

Standard metropolitan statistical area	1958					1961			
	Establishments	All employees[1]		Value added by manufacture, adjusted[2]	Capital expenditures, new	All employees[1]		Value added by manufacture, adjusted[2]	Capital expenditures, new
		Number	Payroll			Number	Payroll		
		1,000	*Mil. dol.*	*Mil. dol.*	*Mil. dol.*	*1,000*	*Mil. dol.*	*Mil. dol.*	*Mil. dol.*
Springfield-Holyoke (Mass.) area	962	71	342	592	25	68	356	627	26
Syracuse (N.Y.) area	760	70	367	680	25	70	412	751	31
Toledo (Ohio) area	742	58	338	570	48	56	356	636	29
Utica-Rome (N.Y.) area	473	41	195	345	17	39	203	405	12
Washington (D.C.) area	n.a.	35	180	312	22	41	231	380	[3]
Wichita (Kans.) area	446	53	280	452	13	42	262	409	[3]
Wilmington (Del.) area	369	57	372	455	33	53	384	513	53
Worcester (Mass.) area	792	51	241	376	22	50	265	445	15
York (Pa.) area	608	41	168	324	13	40	179	355	15
Youngstown (Ohio) area	563	76	427	729	53	71	447	726	85
STANDARD CONSOLIDATED AREAS									
Chicago (Ill.)-Northwestern (Ind.) area	13,952	956	5,204	9,578	715	933	5,631	10,419	573
New York-Northeastern N.J. area	50,413	1,794	9,006	15,268	604	1,792	9,761	17,540	610

n.a. Not available.

[1] Includes central administrative offices or auxiliary units which serve the manufacturing establishments of a company, rather than the general public. Separate reports were obtained from such units if they were at a different location or served more than 1 establishment.

[2] See footnote 1, table 1095.

[3] Withheld because estimates did not meet publication standards.

Source: Department of Commerce, Bureau of the Census; *U.S. Census of Manufactures: 1958*, Vol. III, and *1961 Annual Survey of Manufactures.*

No. 1098. Manufacturers' Inventories—Value, by Major Industry Groups: 1961

[In millions of dollars. As of end of year. Includes Alaska and Hawaii. Data based on new Standard Industrial Classification (1957) and therefore not comparable with figures shown in the 1960 and earlier editions of the *Statistical Abstract*; see text, p. 772]

Major industry group	Total	Finished products	Work in process	Materials, supplies, fuels, etc.
All industries	**53,788**	**19,107**	**15,994**	**18,687**
Food and kindred products	6,084	3,478	386	2,221
Tobacco products	1,704	647	25	1,032
Textile mill products	2,350	889	619	842
Apparel and related products	1,751	778	340	632
Lumber and wood products	1,266	578	254	434
Furniture and fixtures	712	213	164	335
Paper and allied products	1,588	509	183	896
Printing and publishing	1,284	389	290	605
Chemicals and allied products	3,461	1,722	478	1,261
Petroleum and coal products	1,737	1,033	366	338
Rubber and plastics products, not elsewhere classified	1,059	573	159	327
Leather and leather products	570	211	143	216
Stone, clay, and glass products	1,446	764	186	496
Primary metal industries	6,125	1,732	1,872	2,521
Fabricated metal products	3,634	1,061	1,187	1,386
Machinery, except electrical	5,861	1,841	2,511	1,509
Electrical machinery	4,361	1,220	1,947	1,194
Transportation equipment	6,054	727	3,678	1,650
Instruments and related products	1,224	309	618	297
Miscellaneous manufactures[1]	1,509	431	586	493

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

Source: Department of Commerce, Bureau of the Census; *1961 Annual Survey of Manufactures.*

No. 1099. Manufacturers' Sales, Inventories, and Orders: 1940 to 1963

[**In billions of dollars.** Includes Alaska and Hawaii. Data include all corporate and noncorporate companies, major activities of which are in manufacturing. See also *Historical Statistics, Colonial Times to 1957*, series T 378-386]

ITEM	1940	1950	1957	1958	1959	1960	1961	1962		1963, April
								Total	April	
Sales	70.3	231.4	340.6	314.7	356.8	365.0	368.7	399.1	33.2	35.4
Durable goods	29.7	105.6	169.9	148.6	174.1	176.2	174.5	194.4	16.4	17.5
Nondurable goods	40.6	125.8	170.7	166.1	182.8	188.7	194.2	204.8	16.8	17.9
Inventories (seasonally adjusted) book value [1]	12.8	34.3	53.5	49.2	52.4	53.7	55.2	57.4	56.7	58.2
Durable goods	6.3	16.8	31.1	27.8	30.1	30.9	31.5	32.7	32.5	33.2
Nondurable goods	6.5	17.5	22.4	21.4	22.3	22.9	23.7	24.7	24.2	25.0
Ratio of inventories to sales [2]	2.06	1.57	1.89	1.93	1.72	1.79	1.75	1.71	1.69	1.67
Durable goods	2.29	1.68	2.22	2.34	2.03	2.15	2.11	2.00	1.98	1.94
Nondurable goods	1.88	1.48	1.56	1.57	1.43	1.45	1.43	1.42	1.42	1.41
Inventories, by stages of fabrication (seasonally adjusted) [1]	12.8	34.3	53.5	49.2	52.4	53.7	55.2	57.4	56.7	58.2
Purchased materials	4.7	14.5	17.1	16.1	17.2	16.8	17.2	17.7	18.1	17.9
Goods in process	2.9	8.5	15.8	14.3	15.1	15.1	16.0	16.7	16.4	17.1
Finished goods	5.2	11.3	20.6	18.8	20.1	21.8	22.0	23.0	22.2	23.3
Durable goods	6.3	16.8	31.1	27.8	30.1	30.9	31.5	32.7	32.5	33.2
Purchased materials	2.1	6.1	8.3	7.5	8.3	8.0	8.1	8.2	8.6	8.4
Goods in process	2.0	6.0	12.7	11.3	12.1	12.1	12.6	13.1	12.9	13.4
Finished goods	2.2	4.7	10.1	9.0	9.7	10.8	10.7	11.3	11.0	11.4
Nondurable goods	6.5	17.5	22.4	21.4	22.3	22.9	23.7	24.7	24.2	25.0
Purchased materials	2.6	8.4	8.8	8.6	8.9	8.7	9.1	9.4	9.5	9.5
Goods in process	0.9	2.5	3.1	3.0	3.0	3.1	3.4	3.6	3.4	3.7
Finished goods	3.0	6.6	10.5	9.8	10.4	11.1	11.3	11.7	11.3	11.8
Ratio of inventories to sales: [2]										
Durable goods:										
Purchased materials	.74	.58	.60	.63	.57	.58	.54	.52	.52	.49
Goods in process	.67	.58	.93	.94	.81	.85	.84	.81	.79	.78
Finished goods	.88	.52	.68	.77	.65	.72	.73	.68	.67	.67
Nondurable goods:										
Purchased materials	.74	.65	.62	.63	.58	.57	.55	.55	.56	.53
Goods in process	.24	.22	.21	.21	.20	.20	.20	.20	.20	.21
Finished goods	.90	.61	.73	.73	.66	.68	.69	.67	.66	.67
New orders	81.7	251.8	327.1	310.8	361.5	358.8	371.6	396.6	32.4	35.9
Durable goods	40.5	123.8	157.0	144.5	178.2	170.9	176.8	192.2	15.7	17.9
Nondurable goods	41.2	128.0	170.1	166.4	183.3	187.9	194.8	204.4	16.7	18.0
Unfilled orders [1]	18.4	41.1	50.7	46.8	51.5	45.4	48.2	45.7	48.5	49.0
Durable goods	16.5	36.6	48.1	44.0	48.1	42.8	45.1	42.9	45.3	46.1
Nondurable goods	1.8	4.6	2.6	2.8	3.4	2.5	3.1	2.7	3.1	2.9

[1] End of period.
[2] For annual periods, ratio of average inventories to average monthly sales. Average inventories based on weighted averages of end of month figures. April ratios based on inventories at end of month and sales for month, seasonally adjusted.

Source: Department of Commerce, Office of Business Economics and Bureau of the Census; *Survey of Current Business*, and records.

No. 1100. Percent of Total Value Added by Manufacture by Largest Manufacturing Companies: 1947, 1954, and 1958

[Excludes Alaska and Hawaii. For 1947 and 1954, ranking based on unadjusted value added by manufacture; for 1958, on adjusted value added. See footnote 1, table 1095]

RANK IN RESPECTIVE YEAR	1947	1954	1958
Largest 50 companies	17	23	23
Largest 100 companies	23	30	30
Largest 150 companies	27	34	35
Largest 200 companies	30	37	38

Source: Department of Commerce, Bureau of the Census; *Concentration Ratios in Manufacturing Industry, 1958.*

No. 1101. Percent of Total Employment in Large Manufacturing Companies, Selected Industries: 1950, 1954, and 1958

[Excludes Alaska and Hawaii. First 45 industries as determined by 1958 employment. "N.e.c." means not elsewhere classified. See also headnote, table 1102]

Industry code	Industry and year	Number of companies	Employment [1] ($1,000)	Percent of employment accounted for by— 4 largest companies	8 largest companies	20 largest companies	Primary product specialization ratio [2]	Coverage ratio [3]
3717	Motor vehicles and parts	1950	n.a.	721	59	69	n.a.	n.a.	n.a.
		1954	991	649	69	75	84	(4)	(4)
		1958	989	531	70	74	85	(4)	(4)
3312	Blast furnaces and steel mills	1954	n.a.	554	54	69	84	n.a.	n.a.
		1958	148	513	52	68	84	n.a.	n.a.
3721	Aircraft	1950	n.a.	186	53	73	n.a.	n.a.	n.a.
		1954	(5)	458	(5)	(5)	(5)	(5)	(5)
		1958	[6] 113	377	58	82	99	.84	.94
3661	Radios and related products	1950	n.a.	202	21	32	n.a.	n.a.	n.a.
		1954	1,612	294	20	29	48	(4)	(4)
		1958	1,797	305	20	29	41	(4)	(4)
2711	Newspapers	1950	n.a.	267	16	20	n.a.	n.a.	n.a.
		1954	8,445	282	14	19	27	.95	1.00
		1958	7,947	294	15	20	29	.96	1.00
2421	Sawmills and planing mills	1950	n.a.	459	4	n.a.	n.a.	n.a.	n.a.
		1954	16,594	321	5	7	12	.97	.81
		1958	15,731	268	6	9	14	.96	n.a.
2051	Bread and related products	1950	n.a.	246	16	24	n.a.	n.a.	n.a.
		1954	5,470	246	18	28	37	.98	.99
		1958	5,305	257	19	29	37	.98	.99
2233	Cotton broad-woven fabrics	1950	n.a.	346	14	22	n.a.	n.a.	n.a.
		1954	413	296	18	28	47	.94	.84
		1958	321	242	23	37	57	.94	.82
3141	Footwear, except rubber	1950	n.a.	230	22	28	n.a.	n.a.	n.a.
		1954	970	219	26	32	40	.99	.99
		1958	871	215	24	31	39	.99	.99
2027	Fluid milk	1954	n.a.	191	19	24	n.a.	n.a.	n.a.
		1958	5,008	208	20	26	32	.90	.95
2011	Meat packing plants	1950	n.a.	209	47	59	n.a.	n.a.	n.a.
		1954	2,228	220	44	56	65	.98	.87
		1958	2,646	201	36	49	60	.98	.88
2751	Commercial printing	1950	n.a.	196	9	13	n.a.	n.a.	n.a.
		1954	11,970	200	10	14	21	.85	.86
		1958	13,023	198	10	15	22	.86	.84
2612	Paper and paperboard mills [7]	1958	375	188	21	33	52	.99	.99+
3729	Aircraft equipment, n.e.c.	1950	n.a.	27	30	48	n.a.	n.a.	n.a.
		1954	1,054	181	21	31	50	.86	.66
		1958	1,097	162	26	39	54	.90	.68
3722	Aircraft engines	1950	n.a.	67	54	79	n.a.	n.a.	n.a.
		1954	202	167	51	75	88	.93	.91
		1958	186	159	48	69	89	.94	.93
2911	Petroleum refining	1954	253	153	39	61	84	.99	.98
		1958	285	146	36	59	81	.98	.98
2671	Paperboard boxes	1950	n.a.	178	12	19	n.a.	n.a.	n.a.
		1954	1,433	133	13	20	33	.96	.98
		1958	1,447	141	14	23	37	.95	.98
2333	Dresses, unit price	1954	4,072	143	2	3	6	.96	.95
		1958	3,606	136	2	3	6	n.a.	n.a.
3441	Structural and ornamental work	1950	n.a.	91	20	23	n.a.	n.a.	n.a.
		1954	2,829	116	16	20	27	.89	.88
		1958	3,311	133	15	18	26	.88	.89
2511	Wood furniture, not upholstered	1950	n.a.	140	6	10	n.a.	n.a.	n.a.
		1954	2,731	125	7	12	20	.94	.93
		1958	2,742	125	8	13	22	.94	.94
2033	Canned fruits and vegetables	1950	n.a.	131	20	29	n.a.	n.a.	n.a.
		1954	1,461	120	40	29	39	.90	.94
		1958	1,347	123	21	29	41	.90	.95
3599	Machine shops	1950	n.a.	52	12	17	n.a.	n.a.	n.a.
		1954	6,795	104	8	12	20	.88	.86
		1958	10,482	123	5	10	17	n.a.	n.a.
3099	Rubber industries, n.e.c.	1950	n.a.	128	30	40	n.a.	n.a.	n.a.
		1954	1,152	133	(8)	(8)	(8)	.88	.78
		1958	1,032	122	23	33	46	.86	.81
2311	Men's and boys' suits and coats	1950	n.a.	151	13	19	n.a.	n.a.	n.a.
		1954	1,255	119	11	18	31	.91	.96
		1958	1,275	122	11	18	31	.91	.97

See footnotes at end of table.

No. 1101. Percent of Total Employment in Large Manufacturing Companies, Selected Industries: 1950, 1954, and 1958—Continued

Industry code	Industry and year	Number of companies	Employment [1] (1,000)	Percent of employment accounted for by—			Primary product specialization ratio [2]	Coverage ratio [3]
				4 largest companies	8 largest companies	20 largest companies		
3731	Shipbuilding and repairing 1950	n.a.	75	53	63	n.a.	n.a.	n.a.
	1954	328	109	42	57	72	.92	.99
	1958	293	120	45	64	79	.93	.99
3463	Metal stampings 1954	2,215	128	12	18	28	.82	.83
	1958	2,326	119	11	17	27	.85	.85
3971	Plastics products, n.e.c 1954	2,377	92	7	13	22	.90	.84
	1958	3,094	113	5	10	18	.92	.85
3321	Gray-iron foundries [9] 1950	n.a.	150	18	24	n.a.	n.a.	n.a.
	1954	1,321	134	19	25	35	.94	.87
	1958	1,199	112	16	23	34	.95	.87
3585	Refrigeration machinery 1950	n.a.	123	41	59	n.a.	n.a.	n.a.
	1954	561	128	33	47	65	(4)	(4)
	1958	607	112	31	47	64	(4)	(4)
2321	Men's dress shirts and nightwear 1950	n.a.	87	18	25	n.a.	n.a.	n.a.
	1954	838	108	14	22	34	.90	.85
	1958	737	104	14	22	36	.88	.80
2761	Lithographing 1954	2,879	78	7	11	19	.82	.79
	1958	4,184	98	7	10	17	.81	.80
2081	Bottled soft drinks 1954	4,334	92	9	13	18	.98	.99
	1958	3,989	96	9	13	18	.98	.98
3614	Motors and generators 1950	n.a.	98	59	65	n.a.	n.a.	n.a.
	1954	266	112	47	56	73	.82	.84
	1958	317	94	41	51	69	.81	.84
3662	Electronic tubes 1950	n.a.	47	64	83	n.a.	n.a.	n.a.
	1954	112	71	63	81	93	.97	.94
	1958	224	93	51	68	87	.96	.96
2329	Men's and boys' clothing, n.e.c 1950	n.a.	98	10	16	n.a.	n.a.	n.a.
	1954	1,000	91	10	15	26	.79	.78
	1958	880	91	12	17	28	n.a.	n.a.
3429	Hardware, n.e.c 1950	n.a.	84	37	46	n.a.	n.a.	n.a.
	1954	852	88	36	43	56	.86	.90
	1958	1,032	89	30	37	50	.88	.93
3011	Tires and inner tubes 1950	n.a.	90	78	90	n.a.	n.a.	n.a.
	1954	27	93	80	91	100	.88	.99
	1958	38	87	74	87	99	.86	.99+
2099	Food preparations, n.e.c 1954	2,357	71	14	20	32	.94	.86
	1958	2,596	86	14	21	32	.94	.94
3664	Telephone and telegraph equipment 1950	n.a.	50	90	96	n.a.	n.a.	n.a.
	1954	56	65	88	95	98	(4)	(4)
	1958	44	85	92	97	99+	(4)	(4)
2819	Inorganic chemicals, n.e.c. [10] 1950	n.a.	53	38	51	n.a.	n.a.	n.a.
	1954	294	97	46	60	80	.87	.78
	1958	319	85	42	55	79	.88	.79
2337	Women's suits, coats, and skirts [10] 1954	3,178	96	4	6	11	.94	.93
	1958	2,651	84	3	5	10	.93	.93
3531	Construction and mining machinery 1950	n.a.	70	16	26	n.a.	n.a.	n.a.
	1954	589	76	19	29	49	.86	.81
	1958	705	83	19	29	47	.86	.80
2234	Synthetic broad-woven fabrics 1950	n.a.	97	26	34	n.a.	n.a.	n.a.
	1954	396	90	28	37	54	.87	.90
	1958	328	83	30	40	60	.85	.88
3571	Computing and related machines 1950	n.a.	43	70	86	n.a.	n.a.	n.a.
	1954	73	57	72	84	97	.78	.93
	1958	122	82	75	83	93	.94	.91
2834	Pharmaceutical preparations 1954	1,128	77	25	40	60	.91	.94
	1958	1,064	82	24	39	62	.88	.94

n.a. Not available.

[1] For 1950 and 1954, data represent average of all employees for payroll period ending nearest 15th of March, May, August, and November except that, for 1954, the total of all 12 months was used for several industries. For 1958, data represent average number of production workers for payroll period ending nearest 15th of March, May, August, and November plus all other employees for period ending March 15.

[2] See footnote 2, table 1102. [3] See footnote 3, table 1102. [4] See footnote 5, table 1102. [5] See footnote 8, table 1102. [6] See footnote 9, table 1102. [7] Figures for earlier years not available on comparable basis. See footnote 11, table 1102. [8] See footnote 16, table 1102. [9] Includes, in addition to commercial (jobbing) foundries, "captive" foundries at separate locations producing gray-iron castings for other plants of the same company. Accordingly, the percentages do not reflect the market shares in the commercial foundry industry as such.

[10] See footnote 13, table 1102.

Source: Department of Commerce, Bureau of the Census; *Concentration Ratios in Manufacturing Industry, 1958.*

No. 1102. Percent of Total Shipments Made by Large Manufacturing Companies, Selected Industries: 1947, 1954, and 1958

[Excludes Alaska and Hawaii. First 50 industries as determined by value of shipments in 1958. Industry codes and descriptions are based on standard industrial classification (SIC) system used through 1947 and differ from those appearing in the 1958 Census of Manufactures Reports, Series MC-20 through MC-39. For a description of the industries, see the appropriate 1954 Census of Manufactures Industry Report or the 1958 Census of Manufactures Preliminary Reports, Series MC(P)-20 through MC(P)-39. Determination of company affiliation of establishments is based on Census reports and publicly available records. Value of shipments totals for establishments have been summarized into company totals in each manufacturing industry. "Largest" companies are determined by each company's value of shipments *in the specified industry*. "N.e.c." means not elsewhere classified]

Industry code	Industry and year	Number of companies	Value of shipments [1] (mil. dol.)	Percent of value of shipments accounted for by—			Primary product specialization ratio [2]	Coverage ratio [3]
				4 largest companies	8 largest companies	20 largest companies		
3717	Motor vehicles and parts							
	1947	779	[4] 3,555	56	64	78	(5)	(5)
	1954	991	[4] 6,111	75	80	87	(5)	(5)
	1958	980	[4] 6,419	75	81	89	(5)	(5)
3312	Blast furnaces and steel mills [6]							
	1947	n.a.	[4] 2,845	50	66	81	n.a.	n.a.
	1954	n.a.	[4] 5,014	55	71	86	n.a.	n.a.
	1958	148	[4] 5,980	53	70	84	n.a.	n.a.
2911	Petroleum refining							
	1947	277	6,624	37	59	83	.99	.97
	1954	253	11,757	33	56	84	.99	.98
	1958	285	14,106	32	55	82	.98	.98
2011	Meat packing plants							
	1947	1,999	[4] 977	41	54	63	[7] .96	[7] .99
	1954	2,228	[4] 1,394	39	51	60	.98	.87
	1958	2,646	[4] 1,677	34	46	57	.98	.88
3721	Aircraft							
	1947	(8)	[4] 606	(8)	(8)	(8)	(8)	(8)
	1954	(8)	[4] 3,349	(8)	(8)	(8)	(8)	(8)
	1958	[9] 113	[4] 3,376	59	83	99	.84	.94
2421	Sawmills and planing mills							
	1947	19,226	2,519	5	7	11	n.a.	n.a.
	1954	16,594	3,247	7	11	18	.97	.81
	1958	15,731	6,158	8	12	18	.96	n.a.
2027	Fluid milk [10]							
	1954	n.a.	4,587	22	28	n.a.	(10)	(10)
	1958	5,008	5,802	23	29	37	.90	.95
2612	Paper and paperboard mills							
	1954	391	[11] 3,793	19	31	48	.99	.99+
	1958	375	[11] 4,948	21	34	52	.99	.99+
3661	Radios and related products							
	1947	799	[4] 773	26	35	54	(5)	(5)
	1954	1,612	[4] 2,130	24	35	53	(5)	(5)
	1958	1,797	[4] 2,553	27	38	52	(5)	(5)
2051	Bread and related products							
	1947	5,985	2,404	16	26	36	.98	.99
	1954	5,470	3,067	20	31	40	.98	.99
	1958	5,305	3,699	22	33	42	.98	.99
2099	Food preparations							
	1947	(12)	1,592	(12)	(12)	(12)	(12)	(12)
	1954	2,357	3,250	33	42	55	.94	.86
	1958	2,596	3,642	29	36	49	.94	.94
2711	Newspapers							
	1947	8,115	1,891	21	26	36	.94	1.00
	1954	8,445	3,091	18	24	34	.95	1.00
	1958	7,947	3,616	17	24	35	.96	1.00
3722	Aircraft engines							
	1947	54	465	72	88	98	.90	.95
	1954	202	3,189	62	81	93	.98	.91
	1958	186	3,359	56	77	92	.94	.93
2829	Organic chemicals, n.e.c.							
	1947	(12)	973	(12)	(12)	(12)	(12)	(12)
	1954	202	2,199	59	73	87	.77	.80
	1958	250	3,070	55	70	85	.73	.80
2042	Prepared animal feeds							
	1947	2,372	2,112	19	27	40	.95	.89
	1954	2,037	2,702	21	29	43	.95	.90
	1958	2,016	2,942	22	30	43	.97	.91
2033	Canned fruits and vegetables [13]							
	1947	1,856	1,641	27	35	46	.91	.94
	1954	1,401	2,229	28	39	52	.90	.94
	1958	1,347	2,911	29	39	55	.90	.95
2233	Cotton broad-woven fabrics							
	1947	(12)	2,913	(12)	(12)	(12)	(12)	(12)
	1954	413	2,790	18	29	49	.94	.84
	1958	321	2,719	25	40	59	.94	.82
2671	Paperboard boxes							
	1947	1,323	1,475	18	27	41	.97	.98
	1954	1,433	2,180	16	26	41	.96	.98
	1958	1,447	2,689	17	27	45	.95	.98
2751	Commercial printing							
	1947	11,810	1,513	9	13	20	.86	.86
	1954	11,970	2,202	10	16	24	.85	.86
	1958	13,023	2,646	10	16	25	.86	.84
3441	Structural and ornamental work							
	1947	1,600	855	23	27	37	.86	.88
	1954	2,829	1,810	18	23	31	.89	.88
	1958	3,311	2,590	16	21	28	.88	.89

See footnotes at end of table.

No. 1102. Percent of Total Shipments Made by Large Manufacturing Companies in Selected Industries: 1947, 1954, and 1958—Continued

Industry code	Industry and year	Number of companies	Value of shipments [1] (mil. dol.)	Percent of value of shipments accounted for by— 4 largest companies	8 largest companies	20 largest companies	Primary product specialization ratio [2]	Coverage ratio [3]
2834	Pharmaceutical preparations							
	1947	1,123	941	28	44	64	.91	.98
	1954	1,128	1,643	25	44	68	.91	.94
	1958	1,064	2,533	27	45	73	.88	.94
2819	Inorganic chemicals, n.e.c. [14]							
	1947	(15)	562	(15)	(15)	(15)	(15)	(15)
	1954	274	1,859	36	51	74	.87	.78
	1958	319	2,469	34	51	76	.88	.79
3729	Aircraft equipment, n.e.c.							
	1947	201	105	37	58	75	.82	.38
	1954	1,054	2,343	20	32	52	.86	.66
	1958	1,097	2,286	27	39	55	.90	.68
3011	Tires and inner tubes							
	1947	35	1,547	77	90	99	.90	.95
	1954	27	1,842	79	91	99+	.88	.99
	1958	38	2,272	74	88	99	.86	.99+
2111	Cigarettes [13]							
	1947	19	1,132	90	99+	100	----------	1.00
	1954	12	1,641	82	99+	100	.99	1.00
	1958	12	2,159	79	99+	100	.99	1.00
3141	Footwear, except rubber							
	1947	1,077	1,727	28	35	45	.99	1.00
	1954	970	1,791	30	36	45	.99	.99
	1958	871	2,026	27	34	43	.99	.99
2082	Beer and ale							
	1947	404	1,316	21	30	44	1.00	.99
	1954	263	1,857	27	41	60	1.00	1.00
	1958	211	1,980	28	44	68	1.00	1.00
2041	Flour and meal							
	1947	1,084	2,527	29	41	57	.92	.92
	1954	692	1,859	40	52	68	.94	.84
	1958	703	1,970	38	51	68	.93	.85
3463	Metal stampings							
	1947	1,954	1,177	17	25	37	.86	.81
	1954	2,215	1,728	14	21	33	.82	.83
	1958	2,326	1,944	12	19	32	.85	.85
2699	Paper and board products, n.e.c							
	1947	676	787	15	25	43	.86	.86
	1954	770	1,428	25	39	58	.90	.89
	1958	834	1,922	34	45	60	.88	.88
3099	Rubber industries, n.e.c.							
	1947	733	945	30	38	53	.85	.81
	1954	1,152	1,677	(16)	(16)	(16)	.88	.78
	1958	1,032	1,837	23	34	47	.86	.81
2823	Plastics materials							
	1947	94	478	44	63	89	.92	.77
	1954	149	1,231	47	69	88	.90	.75
	1958	273	1,811	40	56	79	.86	.71
3411	Tin cans and other tinware							
	1947	102	679	78	86	94	.97	.99
	1954	[17] 109	1,367	80	88	96	.98	.99
	1958	84	1,804	80	89	97	.95	.96
3971	Plastics products, n.e.c.							
	1947	(18)	459	(18)	(18)	(18)	(18)	(18)
	1954	2,377	1,193	8	13	25	.90	.84
	1958	3,094	1,778	8	13	22	.92	.85
2851	Paints and varnishes							
	1947	1,154	1,249	27	36	48	.94	.96
	1954	1,337	1,494	27	37	50	.95	.97
	1958	1,428	1,736	25	36	48	.93	.97
2721	Periodicals							
	1947	2,106	1,060	34	43	58	.94	.98
	1954	2,012	1,441	29	40	54	.95	.97
	1958	2,245	1,651	31	41	55	.93	.97
2333	Dresses, unit price [13]							
	1947	4,165	1,359	3	5	9	.95	.97
	1954	4,072	1,455	4	7	12	.96	.95
	1958	3,606	1,627	4	7	12	n.a.	n.a.
2015	Poultry dressing plants							
	1947	330	479	32	40	58	.88	.88
	1954	1,189	1,258	17	23	33	.96	.97
	1958	1,041	1,618	12	16	25	.95	.97
3531	Construction and mining machinery							
	1947	489	927	18	31	50	.85	.82
	1954	589	1,132	19	29	50	.86	.81
	1958	705	1,585	18	28	48	.86	.80
3521	Tractors							
	1947	86	891	67	88	97	.83	.95
	1954	141	1,178	74	90	97	.85	.93
	1958	109	1,576	69	90	98	.83	.92
3273	Ready-mixed concrete [19]	1958	3,104	1,559	4	7	13	.94	.97
3599	Machine shops							
	1947	(18)	440	(18)	(18)	(18)	(18)	(18)
	1954	6,795	1,108	8	13	22	.88	.86
	1958	10,482	1,544	7	12	20	n.a.	n.a.
3522	Farm machinery (except tractors)							
	1947	955	889	36	47	58	.89	.92
	1954	1,145	1,096	38	51	64	.89	.90
	1958	1,288	1,468	38	47	59	.91	.92
2761	Lithographing							
	1947	1,380	489	13	18	29	.77	.77
	1954	2,879	963	8	12	20	.82	.79
	1958	4,184	1,451	9	12	18	.81	.80
3392	Wiredrawing							
	1947	103	913	45	62	82	.96	.37
	1954	150	1,266	36	54	74	.95	.39
	1958	157	1,488	34	50	69	n.a.	n.a.

See footnotes at end of table.

No. 1102. Percent of Total Shipments Made by Large Manufacturing Companies in Selected Industries: 1947, 1954, and 1958—Continued

Industry code	Industry and year	Number of companies	Value of shipments [1] (mil. dol.)	Percent of value of shipments accounted for by—			Primary product specialization ratio [2]	Coverage ratio [3]
				4 largest companies	8 largest companies	20 largest companies		
2081	Bottled soft drinks							
	1947	5,169	748	10	14	20	.99	.99
	1954	4,334	1,113	10	14	21	.98	.99
	1958	3,989	1,435	11	15	22	.98	.98
3443	Boiler shop products							
	1947	783	687	18	29	44	.80	.80
	1954	934	1,134	30	40	55	.82	.81
	1958	1,126	1,434	37	46	60	.88	.85
2825	Synthetic fibers							
	1947	22	705	78	94	([20])	.97	.98
	1954	20	1,241	80	97	100	.96	.99
	1958	17	1,419	78	96	100	.94	.99
3321	Gray-iron foundries [21]							
	1947	1,554	1,173	16	24	35	.92	.87
	1954	1,321	1,419	26	34	46	.94	.87
	1958	1,199	1,406	24	33	47	.95	.87
3614	Motors and generators							
	1947	224	996	59	66	80	.81	.92
	1954	266	1,389	50	59	75	.82	.84
	1958	317	1,360	47	56	72	.81	.84

[1] Comprises for all manufacturing establishments classified in an industry (*a*) value of products "primary" to the industry, (*b*) value of "secondary" products, which are primary to other industries, and (*c*) "miscellaneous receipts" such as those for contract and commission work on materials owned by others, scrap and salable refuse, repair, etc. Excludes sales of products bought and resold in same condition. 1954 figures for some industries reflect minor revisions of previously published data.

[2] Measures extent to which establishments classified in an industry "specialize" in making products regarded as primary to the industry. That is, value of shipments of *primary* products of establishments in the industry is expressed as a ratio of total shipments of *all* products made by these establishments (excluding "miscellaneous receipts," such as those for contract and commission work on materials owned by others, scrap and salable refuse, repair, etc.). 1954 ratios for some industries reflect minor revisions of previously published data.

[3] Measures extent to which all shipments of primary products of an industry are made by establishments classified in the industry, as distinguished from secondary producers elsewhere. That is, value of shipments of *primary* products made by establishments classified in the industry is expressed as a ratio of total shipments of *primary* products made by all producers, both in and out of the specified industry. 1954 ratios for some industries reflect minor revisions of previously published data.

[4] Value added by manufacture used as basis for computing percentages because value of shipments data (used for ranking) contain substantial and unmeasurable amount of duplication.

[5] Not shown because total value of primary products shipped includes large amount of duplication.

[6] Based on combined figures for Industry 3311, Blast Furnaces; Industry 3312, Steelworks and Rolling Mills; Industry 2931, Beehive Coke Ovens; and Industry 2932, Byproduct Coke Ovens.

[7] Based on combined figures for Industry 2011, Meat Packing Plants, and Industry 2013, Prepared Meats.

[8] Comparable data not available. In 1954 any establishment manufacturing at least 1 complete aircraft was classified in Industry 3721, Aircraft. In 1958 an establishment manufacturing complete aircraft was classified in Industry 3721 if its value of work done on aircraft exceeded its value of shipments of any other single industry's products.

[9] Approximately 50 small companies were misclassified into Industry 3721, Aircraft, because of incomplete reporting of product information. However, this misclassification had only an insignificant effect on value added, on employment, and on percentages accounted for by the 4, 8, and 20 largest companies.

[10] In 1954, this industry was composed of 2 industries, 2026, Fluid Milk (only), and 2027, Fluid Milk and Other Products. 1954 figures on value of shipments and on percentages accounted for by the 4 and 8 largest companies have been recalculated on a basis comparable to 1958. In 1947, establishments primarily distributing fluid milk were classified as nonmanufacturing.

[11] In the 1958 Census, integrated pulp and paper companies were given the option of reporting their pulp and paper (or board) operations on a combined basis when both were conducted at a single physical location. Most integrated companies exercised this option, but a few with departmental accounting chose to report separately for the pulp mill and paper (or board) mill, as they were required to do in 1954. The only other pulp mills separately reported in the 1958 Census were (*1*) those exclusively selling their pulp on the market (i.e., not associated or affiliated with a paper and board mill), and (*2*) those pulp mills affiliated or associated with paper or board mills but operated at a different physical location. The change had little effect on comparability of value of shipments for the industry. Comparable data for 1947 not available. In 1947, Industry 2612, Paper and Paperboard Mills, was combined with Industry 2613, Building Paper and Board Mills.

[12] Comparable data not available.

[13] Value of production shown rather than value of shipments. Includes value of primary and secondary products made and miscellaneous receipts such as receipts for contract and commission work on materials owned by others, scrap, and other salable refuse. [14] Includes Government-owned privately operated plants.

[15] Separate figures not available. In 1947, Industry 2811, Sulfuric Acid, was combined with Industry 2819, Inorganic Chemicals, not elsewhere classified.

[16] Comparable data not available. Establishments primarily engaged in producing factory rebuilt and retreaded tires were included in this industry in 1954 but included in the service trades in 1947 and 1958.

[17] A number of small establishments were misclassified into Industry 3411. This misclassification, however, has no appreciable effect on the total value of shipments or on the percentages accounted for by the largest companies. [18] Comparable data not available because of significant changes in the 1947 classification of plants or products. [19] Excluded from 1954 Census.

[20] Withheld to avoid disclosing figures for individual plants or products.

[21] Includes, in addition to commercial (jobbing) foundries, "captive" foundries at separate locations producing gray-iron castings for other plants of the same company. Accordingly, the ratios for this industry do not reflect the market shares in the commercial foundry industry as such.

Source: Department of Commerce, Bureau of the Census; *Concentration Ratios in Manufacturing Industry, 1958.*

No. 1103. Capital in Manufacturing Industries: 1930 to 1962

[**In billions of dollars.** Beginning 1960, includes Alaska and Hawaii. Data refer to privately owned manufacturing industries and are based on the fixed capital formation components of the gross national product. For detailed discussion, see source. See also *Historical Statistics, Colonial Times to 1957*, series P 24–26, and for data on 1947=100 base, series P 20–23 and P 27–29]

ITEM	1930	1935	1940	1945	1950	1955	1959	1960	1961	1962
Purchases of structures and equipment:										
In current dollars	1.8	1.0	2.2	3.6	6.3	8.6	9.9	10.5	10.1	10.9
Structures	.8	.3	.7	1.0	1.6	3.0	2.7	2.8	2.7	2.9
Equipment	1.0	.8	1.5	2.5	4.6	5.6	7.2	7.7	7.3	8.0
In 1954 dollars	4.5	2.4	4.7	6.2	7.3	8.5	8.0	8.5	8.2	8.8
Structures	2.4	.8	1.9	1.9	1.9	3.0	2.2	2.3	2.3	2.4
Equipment	2.1	1.6	2.8	4.3	5.4	5.5	5.8	6.2	5.9	6.4
Depreciation on structures and equipment:										
In current dollars	1.6	1.4	1.7	2.4	4.8	6.7	9.3	9.6	9.8	10.0
Structures	.6	.6	.7	1.0	1.7	2.1	2.6	2.6	2.6	2.6
Equipment	1.0	.9	1.0	1.4	3.0	4.6	6.7	7.0	7.2	7.4
In 1954 dollars	3.8	3.6	3.7	4.1	5.5	6.6	7.6	7.8	7.9	8.1
Structures	1.7	1.7	1.7	1.7	1.9	2.0	2.1	2.1	2.1	2.1
Equipment	2.1	1.8	2.0	2.4	3.5	4.6	5.4	5.6	5.8	5.9
Net formation of capital: [1]										
In current dollars	.2	−.4	.5	1.2	1.5	1.9	.6	.9	.3	.9
Structures	.2	−.3	.1	.1	−.1	1.0	.1	.2	.2	.3
Equipment	.0	−.1	.4	1.1	1.6	.9	.5	.7	.1	.6
In 1954 dollars	.7	−1.1	1.0	2.1	1.8	1.9	.5	.7	.3	.7
Structures	.7	−.9	.2	.1	−.1	1.0	.1	.2	.1	.2
Equipment	.0	−.2	.8	1.9	1.9	.9	.4	.5	.1	.5
Real net value of structures, equipment, and inventories in 1954 dollars	82.7	70.1	77.4	85.0	107.9	129.4	142.6	144.5	145.5	148.3
Structures and equipment [2]	59.4	51.7	52.4	55.7	72.5	84.1	92.8	93.6	93.8	94.5
Structures	40.6	36.4	35.3	33.6	38.8	41.9	44.9	45.1	45.2	45.5
Equipment	18.9	15.3	17.1	22.1	33.7	42.2	48.0	48.5	48.6	49.1
Inventories	23.3	18.5	25.0	29.3	35.4	45.3	49.8	51.0	51.7	53.8

[1] Represents the difference between the purchase and depreciation series.
[2] Represents real net value of structures and equipment in preceding year plus net formation of capital for year shown.

Source: Department of Commerce, Office of Business Economics; *U.S. Income and Output*, a supplement to the *Survey of Current Business*, and *Survey of Current Business*, July 1962 and July 1963.

No. 1104. Manufactures—Expenditures for New Plant and Equipment, by Major Industry Groups: 1954, 1958, and 1961

In millions of dollars. Beginning 1958, includes Alaska and Hawaii. Covers establishments in operation. "N.e.c." means not elsewhere classified. See headnote, table 1098]

MAJOR INDUSTRY GROUP	1954 [1]	1958	1961		
			Total expenditures	New structures and additions	New machinery and equipment
All industries	7,817	9,096	9,264	2,560	6,704
Food and kindred products	788	980	1,033	257	777
Tobacco products	28	38	49	10	39
Textile mill products	220	212	315	59	256
Apparel and related products	[2] 77	90	82	21	61
Lumber and wood products	217	278	234	65	169
Furniture and fixtures	62	82	76	28	48
Paper and allied products	[2] 533	618	600	106	495
Printing and publishing	237	409	414	109	305
Chemicals and allied products	927	1,116	1,257	254	1,003
Petroleum and coal products	674	672	528	401	127
Rubber and plastics products, n.e.c.	174	197	252	38	213
Leather and leather products	28	32	35	9	26
Stone, clay, and glass products	[3]	443	464	97	368
Primary metal industries	919	1,428	1,183	340	843
Fabricated metal products	448	459	417	100	317
Machinery, except electrical	[3]	677	652	164	487
Electrical machinery	[3]	450	613	190	423
Transportation equipment	925	608	699	190	509
Instruments and related products	94	124	187	[4]	[4]
Miscellaneous [5]	[3]	183	173	50	123

[1] Not strictly comparable with figures for 1958 due to differences in coverage.
[2] Expenditures for establishments under construction excluded from industry group in order to avoid disclosing figures for individual companies. They are, however, included in the totals.
[3] Comparable data not available.
[4] Withheld because estimate did not meet publication standards.
[5] Includes privately owned and/or operated establishments classified in "Ordnance and accessories."

Source: Department of Commerce, Bureau of the Census; *U.S. Census of Manufactures: 1958*, Vol. I, and *1961 Annual Survey of Manufactures*.

No. 1105. Manufactures—Expenditures for New Plant and Equipment, by States: 1954 to 1961

[In millions of dollars, except percent. See headnote, table 1104]

State	1954	1958	1959	1960	1961	
					Expenditures	Standard error [1] (percent)
United States	[2] 7,817	9,096	8,689	9,925	9,264	1
New England	424	526	540	615	575	2
Maine	59	44	42	55	56	2
New Hampshire	18	24	25	26	28	6
Vermont	9	12	17	14	15	8
Massachusetts	181	222	254	286	263	3
Rhode Island	28	30	33	36	42	8
Connecticut	130	195	169	198	171	3
Middle Atlantic	1,553	1,908	1,804	2,053	1,871	1
New York	572	677	695	741	688	2
New Jersey	360	432	430	473	452	2
Pennsylvania	621	798	679	840	732	2
East North Central	2,654	2,608	2,456	2,914	2,570	1
Ohio	761	785	677	805	717	1
Indiana	301	490	386	481	380	1
Illinois	552	697	664	713	681	2
Michigan	870	444	527	656	564	2
Wisconsin	169	192	201	259	228	2
West North Central	339	515	514	513	522	1
Minnesota	82	109	105	117	119	1
Iowa	73	100	111	135	123	3
Missouri	124	165	175	160	166	2
North Dakota	16	9	3	2	4	1
South Dakota	3	5	[3]	[3]	[3]	
Nebraska	36	50	36	34	31	18
Kansas	53	78	77	59	68	6
South Atlantic	789	989	1,009	1,182	1,183	2
Delaware	23	27	25	32	55	2
Maryland	94	121	118	169	163	3
District of Columbia	7	15	[3]	22	11	3
Virginia	110	142	118	143	171	4
West Virginia	99	167	101	126	110	1
North Carolina	130	169	234	240	224	2
South Carolina	60	75	84	125	108	2
Georgia	163	152	155	173	148	3
Florida	105	121	154	151	195	7
East South Central	396	474	481	564	493	1
Kentucky	124	109	103	107	115	1
Tennessee	153	143	164	215	172	2
Alabama	82	164	150	202	168	2
Mississippi	37	58	64	40	38	6
West South Central	721	862	705	775	871	1
Arkansas	43	48	54	64	70	7
Louisiana	174	164	140	139	165	1
Oklahoma	52	62	81	63	45	3
Texas	452	588	430	510	591	1
Mountain	125	171	179	221	199	3
Montana	21	22	16	18	18	8
Idaho	19	18	23	35	26	9
Wyoming	7	7	4	11	10	4
Colorado	30	46	45	60	59	4
New Mexico	7	15	22	24	[3]	
Arizona	14	28	33	35	34	7
Utah	23	30	29	33	37	4
Nevada	5	5	6	5	4	6
Pacific	[2] 765	1,045	1,002	1,087	979	2
Washington	147	160	108	140	140	3
Oregon	68	121	105	120	106	5
California	550	742	712	764	697	3
Alaska		3	[4]	3	[3]	
Hawaii		17	[3]	61	32	3

[1] See Technical Note, p. 773, for explanation of standard error.
[2] Excludes Alaska and Hawaii.
[3] Withheld because the estimate did not meet publication standards.
[4] Withheld to avoid disclosing figures for individual companies.

Source: Department of Commerce, Bureau of the Census; *U. S. Census of Manufactures: 1958*, Vol. I, and *Annual Survey of Manufactures.*

No. 1106. Manufacturing Industries—Water Use, by Major Industry Group: 1959

[Water in billions of gallons. Includes Alaska and Hawaii. For establishments reporting intake of 20 million or more gallons of water, which account for more than 90 percent of the water used in manufacturing]

Major industry group	Number of establishments			Water intake							Water discharge		Water required if none recirculated or reused
				All purposes		Fresh, from—							
	Total	Recirculating or reusing water	Treating water prior to recirculation or reuse	Total	Treated prior to use [1]	Total	Public water system	Company surface water system	Company ground water system	Brackish (salt) [2]	Total	Treated prior to discharge [1]	
All industries	**7,720**	**5,518**	**1,872**	**12,175**	**1,921**	**9,733**	**1,303**	**7,266**	**1,164**	**2,442**	**11,449**	**2,309**	**26,621**
Food and kindred products	1,720	1,230	384	624	69	555	154	187	215	69	571	74	1,298
Tobacco manufactures	23	20	12	3	1	3		(3)	(3)		2	(3)	44
Textile mill products	511	296	57	135	68	135	40	83	12	1	120	17	182
Apparel and related products	19	13	6	10	2	9	9		(3)	(3)	9		11
Lumber and wood products	178	131	39	140	7	116	9	95	12	24	126	31	184
Furniture and fixtures	31	24	2	3	(3)	2	1	1	(3)	(3)	2	(3)	4
Pulp, paper, and products	369	586	201	1,937	835	1,768	220	1,210	338	170	1,824	406	6,046
Printing and publishing	79	52	14	13	2	11	9	(3)	2	2	13	(3)	47
Chemicals and products	933	688	264	3,240	317	2,083	132	1,703	249	1,157	3,061	499	5,225
Petroleum and coal products	245	216	145	1,319	141	719	131	492	96	600	1,204	656	5,780
Rubber products	243	189	48	127	13	122	27	73	23	4	119	4	335
Leather and leather goods	64	32	11	12	1	12	5	4	3	(3)	12	2	14
Stone, clay, and glass products	471	285	89	295	33	266	27	207	33	29	268	11	659
Primary metal industries	769	551	167	3,702	369	3,408	280	3,016	113	294	3,551	536	5,673
Fabricated metal products	439	260	61	44	3	42	34	2	7	1	41	3	71
Machinery, except electrical	318	224	85	171	13	147	38	95	15	23	165	31	251
Electrical machinery	351	247	94	93	6	82	46	23	13	11	88	7	159
Transportation equipment	477	344	144	260	27	203	118	60	25	56	229	22	522
Instruments and related products	72	53	22	23	8	23	7	11	5	(3)	22	7	60
Miscellaneous manufactures	108	77	27	26	5	25	14	6	5	(3)	23	3	57

[1] Includes simple as well as complex treatment.
[2] Containing more than 1,000 parts per million of dissolved solids.
[3] Less than 500 million gallons.

Source: Department of Commerce, Bureau of the Census; *U. S. Census of Manufactures: 1958*, Vol. I, and records.

No. 1107. Denatured Alcohol: 1930 to 1962

[For years ending June 30. Includes Hawaii and Puerto Rico]

Year	Alcohol produced	Denaturing facilities operated	Specially denatured alcohol dealers and users		Ethyl alcohol used for denaturation [1]	Denatured alcohol produced [2]		
			Dealers operating	Manufacturers operating		Total	Completely denatured	Specially denatured
	1,000 proof gallons				*1,000 proof gallons*	*1,000 wine gallons*	*1,000 wine gallons*	*1,000 wine gallons*
1930	193,824	68	81	4,306	185,001	106,777	59,064	47,713
1940	243,728	40	52	4,283	225,161	126,762	15,352	111,410
1950	313,535	46	35	4,176	322,837	174,674	4,414	170,260
1955	411,840	46	35	3,939	395,334	213,229	575	212,654
1956	485,484	42	35	3,972	498,614	268,226	673	267,554
1957	425,418	47	36	3,930	436,469	235,291	539	234,752
1958	494,376	45	39	3,859	454,629	245,179	578	244,601
1959	494,132	43	42	3,846	478,412	257,534	739	256,795
1960	518,724	38	43	3,599	520,512	279,726	679	279,047
1961	[3] 603,674	41	41	3,745	537,709	289,229	820	288,410
1962	[3] 604,255	41	44	3,632	511,890	276,472	882	275,590

[1] 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 1950, represents all products (except rum) *used* for denaturation, that is, domestic ethyl alcohol, imported ethyl alcohol, and spirits. Rum is included for 1940 because denatured rum is included with specially denatured alcohol, for that year. [2] Prior to 1950, includes denatured rum

[3] Alcohol and spirits, 190 proof and over, produced at distilled spirits plants.

No. 1108. Alcoholic Beverages—Production, Tax-Paid Withdrawals, and Stocks: 1940 to 1962

[For years ending June 30. Includes Alaska and Hawaii. See also *Historical Statistics, Colonial Times to 1957*, series P 192, for production of fermented malt liquor]

Class	Unit	1940	1950	1955	1960	1961	1962
Fermented malt liquor (beer):							
Production	1,000 bbl.[1]	54,892	88,807	89,791	94,548	93,496	96,418
Tax-paid withdrawals	do	53,014	83,512	84,457	88,929	87,926	90,693
Stocks on hand, June 30	do	9,019	10,982	11,627	11,458	11,414	11,389
Breweries operated	Number	611	407	292	229	229	220
Distilled spirits:							
Production [2] [3]	1,000 tax gal.[4]	143,455	208,235	182,142	285,027	198,125	205,263
Tax-paid withdrawals [5]	do	128,326	144,124	153,122	177,952	177,592	183,996
Stocks on hand, June 30 [3]	do	525,395	708,562	841,496	931,509	906,772	974,424
Facilities operated:							
Production [6]	Number	258	229	201	178	165	170
Warehouses [7]	do	360	309	278	241	252	256
Whiskey:							
Production [2]	1,000 tax gal.[4]	98,993	118,760	103,927	149,545	138,731	136,000
Tax-paid withdrawals	do	81,267	60,499	74,356	83,589	83,374	85,185
Stocks on hand, June 30	do	480,938	643,280	715,861	813,720	842,986	867,548
Rectified spirits and wines, production	1,000 proof gal.	47,657	107,861	81,925	83,894	84,312	85,239
Whiskey, production	do	37,977	94,908	72,409	65,317	64,518	63,718
Still wines:							
Production [8]	1,000 wine gal.[9]	212,368	297,857	380,229	511,295	490,373	510,314
Tax-paid withdrawals [10]	do	82,571	135,581	136,279	147,554	151,676	152,540
Stocks on hand, June 30 [10] [11]	do	93,421	128,433	128,475	142,575	140,677	141,870
Effervescent wines: [12]							
Production	do	482	1,061	1,716	4,113	3,953	4,283
Tax-paid withdrawals	do	419	1,047	1,561	3,296	3,402	3,733
Stocks on hand, June 30	do	660	1,619	1,401	2,712	2,922	3,100

[1] Barrels of 31 wine gallons.

[2] Prior to 1960, net production obtained by deducting total products used in redistillation from gross production of neutral product (spirits); thereafter, each kind of distilled spirits used in redistillation was deducted from gross production of same kind.

[3] Excludes alcohol produced for industrial use. Such alcohol, if taxpaid, may thereafter be used for beverage purposes.

[4] 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. [5] Includes ethyl alcohol.

[6] Prior to 1960, represents registered distilleries, fruit distilleries, and industrial alcohol plants. In some instances a plant was operated at different times in more than 1 of these categories and was counted in each.

[7] Prior to 1960, represents internal revenue bonded warehouses and industrial alcohol bonded warehouses.

[8] Production represents total amount removed from fermenters, including distilling material (substandard wines produced with excessive water or residue materials). In 1962, 341,532,558 gallons of distilling materials were produced.

[9] Standard U.S. gallon. [10] Includes special natural wines. [11] Excludes distilling materials.

[12] Includes champagne, other effervescent wines, and artificially carbonated wines.

Source of tables 1107 and 1108: Treasury Department, Internal Revenue Service; annual report, *Alcohol and Tobacco Summary Statistics*, and records.

No. 1109. Distilled Spirits, Malt Liquors, and Wines—Apparent Average Annual Per Capita Consumption: 1930 to 1962

[**In gallons, except distilled spirits in tax gallons.** For years ending June 30. Beginning 1958, includes Alaska and Hawaii]

Year	Distilled spirits			Malt liquors			Wines		
	Total	Domestic	Imported	Total	Domestic	Imported	Total	Domestic	Imported
1930 [1]	0.08	0.08	(2)				0.03	0.03	(2)
1935	0.70	0.67	0.03	10.45	10.44	0.01	0.30	0.28	0.02
1940	1.02	0.93	0.09	12.58	12.57	0.01	0.66	0.63	0.03
1945	1.22	1.05	0.17	18.86	18.79	0.07	0.73	0.70	0.03
1950	1.02	0.92	0.10	17.26	17.24	0.02	0.93	0.91	0.02
1951	1.23	1.09	0.14	16.97	16.95	0.02	0.87	0.84	0.03
1952	1.00	0.87	0.13	16.94	16.92	0.02	0.85	0.82	0.03
1953	1.10	0.96	0.14	16.79	16.76	0.03	0.90	0.86	0.04
1954	1.12	0.97	0.15	16.68	16.65	0.03	0.86	0.82	0.04
1955	1.07	0.92	0.15	16.13	16.09	0.04	0.89	0.85	0.04
1956	1.13	0.97	0.16	16.04	16.00	0.04	0.89	0.84	0.05
1957	1.17	0.99	0.18	15.54	15.49	0.05	0.89	0.86	0.03
1958	1.12	0.94	0.18	15.14	15.08	0.06	0.89	0.84	0.05
1959	1.14	0.94	0.20	15.25	15.19	0.06	0.89	0.84	0.05
1960	1.20	0.99	0.21	15.46	15.39	0.07	0.90	0.84	0.06
1961	1.19	0.97	0.22	15.04	14.97	0.07	0.91	0.85	0.06
1962	1.23	0.99	0.24	15.29	15.21	0.08	0.91	0.84	0.07

[1] Includes quantities withdrawn for certain manufacturing, compounding, medicinal, and sacramental uses.
[2] Less than 0.005.

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

No. 1110. Tobacco Products—Manufactured Tobacco, Cigars, and Cigarettes: 1931 to 1962

[Data relate to products manufactured in conterminous U.S. factories and exclude cigars produced in customs bonded manufacturing warehouses. See also *Historical Statistics, Colonial Times to 1957*, series P 194-196]

Yearly average or year	Tobacco							Cigars [1]	Cigarettes [1]
	Total	Smoking	Scrap chewing	Fine-cut chewing	Plug	Twist	Snuff		
	1,000 lb.	*1,000 lb.*	*1,000 lb.*	*1,000 lb.*	*1,000 lb.*	*1,000 lb.*	*1,000 lb.*	*Millions*	*Millions*
1931-1940	347,057	194,039	46,277	4,182	59,532	5,716	37,311	5,122	147,922
1941-1950	285,169	137,913	45,364	3,892	51,145	5,872	40,983	5,593	331,097
1951-1960	195,265	81,350	35,546	2,907	33,967	4,246	37,250	6,164	442,503
1950	235,189	107,731	39,019	2,738	40,242	5,467	39,992	5,468	391,956
1951	227,151	101,324	39,088	2,817	39,918	4,551	39,453	5,664	418,803
1952	220,420	96,752	38,228	2,810	39,058	4,803	38,769	5,892	435,549
1953	209,368	86,599	38,139	2,855	38,053	4,670	39,052	5,973	423,070
1954	203,650	83,718	36,584	2,941	36,943	4,921	38,543	5,882	401,849
1955	199,120	79,991	35,977	2,954	36,503	4,474	39,221	5,834	412,309
1956	184,910	71,517	35,501	2,879	33,033	4,268	37,712	5,830	424,247
1957	178,992	70,540	33,951	2,819	31,647	3,967	36,068	5,952	442,328
1958	180,067	76,040	33,025	2,881	29,561	3,765	34,796	6,395	470,068
1959	175,663	73,180	32,990	3,038	28,547	3,622	34,286	7,298	489,865
1960	173,309	73,839	31,972	3,072	26,408	3,419	34,599	6,917	506,944
1961	173,150	74,152	32,747	3,200	26,024	3,269	33,759	6,613	528,332
1962 (prel.)	168,794	70,935	32,541	3,255	25,990	2,903	33,170	6,762	535,496

[1] Large and small.

Source: Treasury Department, Internal Revenue Service; annual report, *Alcohol and Tobacco Summary Statistics*.

No. 1111. Summary of Smoking Habits, by Sex: 1959–60

[**Percent distribution.** Based on a sample survey conducted during October 1959–February 1960, covering 25 States and approximately 43,000 persons over 30 years old]

ITEM	Male	Female	ITEM	Male	Female
Total	100.0	100.0	Cigarettes per day:		
			None or occasional [2]	53.3	72.7
Type of smoking:			Regular cigarette smokers	46.7	27.3
Never smoked	21.1	66.3	1 to 9 cigarettes	5.4	7.1
Occasional only [1]	0.9	0.9	10 to 19 cigarettes	8.8	8.2
Ex-regular smokers	19.6	5.4	20 cigarettes	17.3	8.6
			21 to 39 cigarettes	9.2	2.4
Current regular smokers	58.5	27.3	40 and over	5.9	0.9
Cigarettes only	40.1	27.3	Type of cigarette: [3]		
Cigars only	5.5	----	Filter-tip	49.3	71.9
Pipes only	4.0	----	Nonfilter-tip	45.9	26.1
Combinations	8.9	----	Unknown	4.8	2.1

[1] Includes persons who were uncertain as to smoking habits. For female, includes a few women who smoked pipes or cigars only.
[2] Persons not smoking cigarettes regularly, some of whom are ex-regular cigarette smokers.
[3] Regular cigarette smokers only.

Source: E. Cuyler Hammond and Lawrence Garfinkel, *Smoking Habits of Men and Women*, Journal of the National Cancer Institute, August 1961.

No. 1112. Tobacco Products—Consumption Per Capita, Persons 15 Years Old and Over: 1900 to 1962

[**Pounds in unstemmed processing weight.** Beginning 1920, includes Alaska and Hawaii. Underlying data on unstemmed weights of tobacco used for tobacco products are from Department of Agriculture and Internal Revenue Service; underlying data on units of cigarettes and cigars and on product weight of smoking and chewing tobacco and snuff are mainly from Internal Revenue Service. Population data for making computations are from Bureau of the Census; beginning 1940, population base includes Armed Forces overseas]

YEAR	ALL TOBACCO PRODUCTS [1]	CIGARETTES		CIGARS [2]		TOBACCO [3]	YEAR	ALL TOBACCO PRODUCTS [1]	CIGARETTES		CIGARS [2]		TOBACCO [3]
	Pounds	Number	Pounds	Number	Pounds	Pounds		Pounds	Number	Pounds	Number	Pounds	Pounds
1900	7.42	49	0.16	111	1.92	5.28	1940	8.91	1,828	4.95	56	1.35	2.60
1905	8.61	64	0.19	127	2.25	6.11	1945	12.16	3,223	8.86	52	1.26	2.04
1910	8.59	138	0.41	113	2.12	5.99	1950	11.59	3,322	9.00	50	1.18	1.41
1915	8.39	262	0.82	104	2.10	5.41	1955	11.28	3,386	8.93	52	1.20	1.15
1920	8.66	611	1.89	117	2.41	4.33	1958	10.92	3,696	8.84	54	1.07	1.00
1925	8.87	996	2.84	87	1.97	4.04	1959	10.87	3,801	8.83	57	1.07	0.95
1930	8.88	1,365	3.87	72	1.66	3.34	1960	10.97	3,888	8.99	57	1.05	0.93
1935	8.00	1,443	3.90	54	1.29	2.80	1961	11.15	3,985	9.20	56	1.03	0.92
							1962 [4]	10.88	3,958	9.04	55	0.97	0.87

[1] Includes small cigars (weighing not more than 3 pounds per 1,000) not shown separately and which generally have accounted for less than 1 percent of the total.
[2] Weighing more than 3 pounds per 1,000 and includes cigarillos.
[3] Smoking and chewing tobaccos and snuff. [4] Preliminary.

Source: Department of Agriculture, Economic Research Service; *Tobacco Situation*, and records.

No. 1113. Tire Cord and Fabrics—Production, by Kind: 1947 to 1962

[**In thousands of pounds.** Excludes Alaska and Hawaii]

PRODUCT	1947	1950	1955	1960	1961	1962
Tire cord and fabrics	565,261	523,033	524,354	417,404	391,343	426,898
Man-made fibers	214,576	296,983	456,093	387,447	372,607	408,142
Rayon tire cord, not woven	[1] 25,638	[1] 50,082	406,889	239,609	213,396	208,300
Rayon tire cord fabric, woven	[1] 188,938	[1] 246,901				
Nylon tire cord and tire cord fabric	(1)	(1)	49,204	139,082	148,815	187,121
Chafer fabric and all other tire fabrics	----	----	(2)	8,756	10,396	12,721
Cotton	350,685	226,050	68,261	29,957	18,736	18,756
Tire cord and tire cord fabrics	285,076	165,395	16,742	2,887	3,130	2,226
Chafer fabric and all other tire fabrics	65,609	60,655	[2] 51,519	27,070	15,606	16,530

[1] Data for nylon included with rayon.
[2] Man-made fiber chafer fabric and all other tire fabrics included with cotton chafer fabric and all other tire fabrics.

Source: Department of Commerce, Bureau of the Census; 1947 Census of Manufactures reports and *Current Industrial Reports*, Series M22T.4 and M22T.4(61)–5.

No. 1114. Broad-Woven Fabrics—Production, by Type: 1947 to 1962

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

PRODUCT	1947	1950	1955	1960	1961	1962 (prel.)
Total goods	*12,371*	*13,105*	*13,119*	*12,056*	*11,862*	*12,265*
Cotton woven goods over 12 inches in width, except tire fabrics	9,817	10,027	10,175	9,366	9,168	9,274
Cotton duck	206	249	242	206	223	230
Sheeting and allied coarse and medium yarn fabrics	3,039	2,737	2,587	2,482	2,429	2,553
Print cloth yarn fabrics	3,229	3,663	3,968	3,320	3,225	3,196
Napped fabrics	502	413	241	202	179	173
Colored yarn fabrics	752	860	699	449	416	447
Fine cotton goods (all combed, part-combed, and fine carded goods)	1,313	1,218	1,379	1,705	1,667	1,622
Towels, toweling, washcloths, and terrywoven fabrics other than towels	409	454	502	548	576	615
Specialties and all other fabrics	367	433	557	452	453	438
Rayon and acetate	1,977	2,406	1,928	1,434	1,465	1,562
Pile, upholstery, drapery, tapestry, and tie fabrics	57	38	118	197	177	206
100 percent filament rayon and/or acetate fabrics	1,237	1,601	887	660	695	683
Flat fabrics	652	860	717	578	597	598
Twisted yarn fabrics	585	741	170	82	98	85
100 percent spun rayon and/or acetate fabrics	332	434	528	224	237	287
Combination filament and spun rayon and/or acetate fabrics	179	202	109	82	84	100
All other rayon mixtures	172	131	285	271	272	286
Woolen and worsted, except woven felts [1]	516	471	318	286	287	306
Apparel fabrics	448	391	298	281	280	297
Woolen	245	215	n.a.	n.a.	n.a.	n.a.
Worsted	203	176	n.a.	n.a.	n.a.	n.a.
Nonapparel fabrics	67	80	20	6	7	9
Silk, nylon, glass, and other [2]	62	*201*	*699*	*970*	*942*	*1,123*
Nylon fabrics, including mixtures	22	[3] 110	395	[4]	[4]	[4] 24
Silk fabrics, including mixtures	10	29	43	27	22	
Other woven fabrics, not classified above	29	62	261	[4] 943	[4] 920	[4] 1,099

n.a. Not available.
[1] 1947 and 1950, comprises all fabrics containing more than 25 percent wool; thereafter, fabrics containing 50 percent or more wool.
[2] Includes fabrics made of acrylic, vinyl, protein, etc., fibers.
[3] Nylon mixtures included with other fabrics.
[4] Nylon fabrics included with other woven fabrics.

Source: Department of Commerce, Bureau of the Census; 1947 Census of Manufactures reports and *Current Industrial Reports*, Series M22T.

No. 1115. Cotton and Man-Made Fiber Fabrics, Bleached, Dyed, or Printed: 1947 to 1961

[**In millions of linear yards.** Excludes Alaska and Hawaii. Fabrics are classified by chief fiber content]

PRODUCT	1947	1950	1955	1958	1959	1960	1961 (prel.)
Bleached, dyed, or printed goods	8,915	9,329	10,502	9,408	10,112	9,559	9,559
Cotton	6,944	7,063	8,144	7,341	7,891	7,440	7,462
Man-made fiber fabrics and silk [1]	1,971	2,266	2,358	2,067	2,221	2,119	2,097
Bleached and white finished goods	3,815	3,467	3,668	3,481	3,591	3,461	3,494
Cotton	3,616	3,296	3,346	3,188	3,338	3,158	3,170
Man-made fiber fabrics and silk [1]	199	170	321	293	254	303	324
Plain dyed and finished goods	3,176	3,950	4,320	3,854	4,300	4,030	4,098
Cotton	1,757	2,166	2,671	2,352	2,650	2,516	2,607
Man-made fiber fabrics and silk [1]	*1,419*	*1,784*	*1,648*	*1,502*	*1,649*	*1,514*	*1,491*
Printed and finished goods [2]	1,924	1,912	2,514	2,074	2,221	2,068	1,967
Cotton	1,571	1,601	2,126	1,801	1,903	1,766	1,685
Man-made fiber fabrics and silk [1]	353	311	389	273	318	302	282

[1] Comprises 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 *Current Industrial Reports*, Series M22S and M22S (61)-1.

No. 1116. Mill Consumption of Cotton, Wool, Man-Made Fibers, Flax, and Silk: 1930 to 1961

[In millions of pounds, except per capita in pounds. Excludes Alaska and Hawaii. Per capita figures based on population estimates as of July 1, including Armed Forces overseas]

Year	Cotton [1]		Wool (scoured basis) [2]		Man-made fibers				Flax [5]		Silk [6]	
					Rayon and acetate [3]		Other [4]					
	Total	Per capita	Total	Per capita	Total	Per capita	Total	Per capita	Total	Per capita	Total	Per capita
1930	2,617	21.26	263	2.14	119	0.97	-------	-------	16	0.13	81	0.65
1935	2,755	21.66	418	3.28	259	2.04	-------	-------	13	0.10	72	0.57
1940	3,959	29.97	408	3.09	482	3.65	4	0.03	12	0.09	48	0.36
1945	4,516	32.28	645	4.61	770	5.50	50	0.36	7	0.05	1	0.01
1950	4,683	30.87	635	4.18	1,350	8.91	141	0.93	11	0.07	11	0.07
1955	4,382	26.51	414	2.50	1,419	8.59	432	2.61	8	0.05	11	0.07
1956	4,363	25.94	441	2.62	1,201	7.14	484	2.87	8	0.05	13	0.08
1957	4,060	23.72	369	2.15	1,177	6.88	568	3.28	7	0.04	8	0.05
1958	3,867	22.21	331	1.90	1,127	6.47	575	3.30	4	0.02	5	0.03
1959	4,334	24.46	435	2.46	1,252	7.06	741	4.18	4	0.02	8	0.05
1960	4,191	23.20	411	2.30	1,056	5.84	762	4.20	5	0.03	7	0.05
1961 (prel.)	4,081	22.20	412	2.20	1,127	6.10	849	4.60	6	0.03	7	0.05

[1] Reported by Bureau of the Census. For American cotton, tare as reported by Crop Reporting Board deducted. For foreign cotton, 15 pounds deducted.
[2] Reported by Bureau of the Census. Beginning 1950, excludes consumption in cotton and other spinning systems and consumption in batting and felt manufacture.
[3] From *Textile Organon*. Represents domestic shipments plus imports for consumption.
[4] From *Textile Organon*. Represents domestic production less exports plus imports for consumption.
[5] Through 1950, represents imports for consumption reported by Bureau of the Census plus estimated production by (*a*) Bureau of Plant Industry through 1945 and (*b*) Portland, Oreg., Office of Agricultural Marketing Service for 1950; beginning 1955, imports for consumption reported by Bureau of the Census.
[6] Compiled from reports of Bureau of the Census. For 1930, general imports less reexports; beginning 1935, imports for consumption.

Source: Department of Agriculture, Economic Research Service; records. (Through 1950, published in Department of Commerce, Business and Defense Services Administration; *Wool and Man-Made Fibers in the United States.*)

No. 1117. Cotton-System Spindles, Cotton Consumption, and Stocks: 1930 to 1962

[For years ending July 31. Excludes Alaska and Hawaii. Consumption and stocks are expressed in running bales, counting round as half bales, except foreign cotton for all years which is in equivalent 500-pound bales. See also *Historical Statistics, Colonial Times to 1957*, series P 197, for total cotton consumed including linters]

Year	Cotton-system spindles (1,000)				Spindle hours consuming 100% cotton (billions)	Cotton consumed, excluding linters (1,000 bales) [3]			Stocks at end of year (1,000 bales) [4]			
	Total in place [1]	Active [2]				Total	Cotton-growing States	Other States	Cotton, excluding linters			Linters
		Total	Cotton-growing States	Other States					Total	Domestic	Foreign	
1930	34,025	31,245	18,586	12,659	88	6,106	4,749	1,357	6,528	6,457	71	239
1935	30,093	26,701	18,212	8,489	73	5,361	4,306	1,055	4,060	3,851	209	187
1940	24,750	23,586	17,641	5,945	97	7,784	6,647	1,137	10,094	9,999	95	400
1945	23,128	22,675	17,610	5,065	112	9,568	8,455	1,113	10,339	10,215	124	247
1950	22,995	21,790	17,673	4,117	109	8,851	8,030	821	6,496	6,399	97	208
1955	22,273	20,716	18,230	2,486	113	8,841	8,358	484	10,985	10,920	65	148
1956	21,903	20,557	18,283	2,274	118	9,141	8,638	503	13,738	13,699	39	527
1957	21,195	19,760	18,119	1,641	112	8,728	8,320	408	11,026	10,987	39	410
1958	20,845	19,241	17,720	1,521	102	7,973	7,629	344	8,446	8,411	35	334
1959	20,274	19,248	17,799	1,449	109	8,671	8,313	358	8,665	8,623	42	347
1960	19,956	19,222	17,801	1,420	113	9,016	8,670	346	7,344	7,307	37	305
1961	19,603	18,986	17,770	1,216	105	8,252	7,946	307	6,738	6,697	41	268
1962	19,491	18,764	17,815	949	110	9,071	8,786	285	7,641	7,599	42	425

[1] Prior to 1950, represents all spindles in place used exclusively for spinning cotton; thereafter, represents all spindles in place regardless of fiber spun.
[2] Prior to 1950, represents sum of greatest number of cotton spindles reported by each mill as active at any time during year, regardless of length of time operated; thereafter, comprises cotton-system spindles active last day of year, regardless of type of fiber spun. On July 31, 1962, there were 16,774,000 spindles active on cotton, 1,157,000 on synthetics, 833,000 on other fibers and blends, and 727,000 idle.
[3] Includes foreign and domestic cotton.
[4] Cotton stocks prior to 1940 and linters stocks for all years are stocks held by consuming establishments. Cotton stocks beginning in 1940 include stocks at public storage and compresses.

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

No. 1118. Wool—Stocks, Production, Price, Imports, and Exports: 1946 to 1962

[Excludes Alaska and Hawaii. See also *Historical Statistics, Colonial Times to 1957*, series K 240–241, for shorn production and price]

ITEM	1946–1950, average	1951–1955, average	1956–1960, average	1957	1960	1961	1962 (prel.)
Stocks of apparel wool, April 1 [1] 1,000 lb				122,346	100,739	[2] 91,290	[2] 87,587
Sheep and lambs shorn 1,000	29,402	27,817	29,623	28,415	31,064	30,707	29,457
Weight per fleece pound	8.1	8.4	8.4	8.4	8.6	8.5	8.4
Shorn wool production 1,000 lb	238,789	234,150	250,082	239,101	265,480	261,249	248,538
Price per pound [3] cents	49.0	[4] 60.4	43.9	53.7	42.0	42.9	[5] 46.5
Pulled wool production 1,000 lb	46,500	37,360	34,520	33,600	33,600	34,500	29,900
Apparel wool, grease basis:							
Total production do	285,289	271,510	284,602	272,701	299,080	295,621	278,292
Imports [6] do	[7] 466,246	279,946	122,775	111,809	106,921	130,095	181,589
Exports, domestic [8] do	10,491	628	1,633	2,452	263	316	124
Total new supply [9] do	[7] 740,740	550,828	405,744	382,058	405,738	425,400	459,757
Carpet wool, imports [6] do	254,679	162,038	193,512	161,976	202,439	205,946	181,137

[1] Scoured basis.
[2] January 1.
[3] Price received by farmers. Weighted season average 1946 to date. Season April–March.
[4] Includes an allowance for wool under loan.
[5] Weighted average price for wool sold April 1961–January 1963.
[6] Actual weight. Imports for consumption. Carpet wool includes all duty-free wool and apparel wool includes all dutiable wool.
[7] 1946 excludes duty-free wool imported and stored in this country largely for the British Government, and later reexported; not available to domestic mills.
[8] Includes a small amount of carpet wool. From January 1952, reported on "clean content" basis only.
[9] Production, minus exports, plus imports; stocks not taken into consideration.

Source: Department of Agriculture, Statistical Reporting Service; annual report, *Agricultural Statistics*. Exports and imports from Department of Commerce, Bureau of the Census.

No. 1119. Wool—Consumption and Manufacturing Machinery: 1947 to 1962

[Machinery in place as of end of year, except as noted. Excludes Alaska and Hawaii. See also *Historical Statistics, Colonial Times to 1957*, series P 198, for wool consumed in manufacturing]

YEAR	MACHINERY IN PLACE [1]					CONSUMED IN MANUFACTURING (1,000,000 pounds) [3]		
	Worsted combs	Spinning spindles		Looms		Total [4]	Apparel class [5]	Carpet class
		Woolen	Worsted	Woolen and worsted	Carpet [2] and rug			
1947	2,656	1,561,198	1,920,542	38,572	5,683	698.3	525.9	172.4
1950	2,808	1,308,139	1,814,430	36,337	4,894	634.8	436.9	197.9
1954	n.a.	n.a.	n.a.	n.a.	5,411	380.8	266.3	114.5
1955	2,092	817,254	925,736	21,734	n.a.	413.8	281.2	132.6
1956	1,751	752,717	809,022	19,429	n.a.	440.7	296.6	144.1
1957	1,569	746,063	741,886	18,849	n.a.	368.8	240.9	127.9
1958	1,558	728,323	712,696	17,300	3,234	331.1	212.0	119.1
1959	1,526	711,872	688,526	17,251	n.a.	435.3	264.9	170.4
1960	1,494	696,525	654,480	16,058	n.a.	411.0	246.4	164.6
1961	1,575	647,596	656,890	15,969	n.a.	412.1	263.1	149.0
1962	1,614	591,011	658,665	15,136	n.a.	[6] 427.4	[6] 279.1	[6] 148.3

n.a. Not available.
[1] Machinery in place is that which is set up in operating position.
[2] For 1954, machinery in possession.
[3] Scoured wool, plus greasy wool reduced to scoured basis, assuming average yields varying with class, origin, grade, and whether shorn or pulled.
[4] Wool regarded as more or less suitable for apparel purposes; formerly "Combing and clothing."
[5] Beginning 1950, includes raw wool consumed on woolen and worsted systems only.
[6] Preliminary.

Source: Department of Commerce, Bureau of the Census; *Current Industrial Reports*, Series M22D, Series M22E, a special tabulation from Series M22T, and the Census of Manufactures.

No. 1120. Knit Goods: Cloth, Clothing and Outerwear—Production by Type: 1947 to 1962

[Beginning 1960, includes Alaska and Hawaii]

PRODUCT	Unit	1947	1950	1955	1959	1960	1961	1962
Finished knit cloth for sale [1]	Million lb	152.6	162.8	181.9	243.0	247.7	280.6	297.8
Warp knit fabrics	do	41.5	47.2	54.9	77.8	81.5	88.2	104.9
Circular knit fabrics	do	111.1	115.6	127.0	165.2	166.2	192.4	192.9
Knit outerwear:								
Sweaters, jackets, and jerseys	1,000 dozens	6,677	8,733	10,119	13,974	12,903	12,711	13,620
Bathing suits and trunks	do	500	328	330	882	1,119	1,196	1,350
Knit headwear	do	1,556	1,599	1,426	1,520	1,450	1,655	2,045

[1] Beginning 1950, represents shipments.

Source: Department of Commerce, Bureau of the Census; 1947 Census of Manufactures reports and *Current Industrial Reports*, Series M22K and M23A.

No. 1121. Women's, Misses', and Juniors' Outerwear—Selected Garments Cut: 1947 to 1962

[Beginning 1960, includes Alaska and Hawaii]

TYPE OF GARMENT	Unit	1947	1950	1955	1959	1960	1961	1962 (prel.)
Blouses	1,000 dozens	7,496	10,764	14,889	15,491	15,571	14,941	16,383
Unit-priced dresses	1,000 units	127,791	139,607	150,445	154,945	155,374	153,926	154,319
Dozen-priced dresses	1,000 dozens	75,456	9,097	9,162	8,561	8,186	8,028	8,318
Suits	1,000 units	14,352	18,048	13,638	9,678	9,419	9,165	9,387
Skirts	1,000 dozens	2,020	4,784	6,575	8,416	8,338	7,957	8,724
Untrimmed coats	1,000 units	18,956	22,598	22,526	22,359	21,012	20,768	20,990
Fur-trimmed coats	do	1,924	2,105	1,469	2,372	2,532	3,298	3,850

Source: Department of Commerce, Bureau of the Census; 1947 Census of Manufactures reports and *Current Industrial Reports*, Series M23A and M23H.

No. 1122. Men's and Boys' Clothing—Selected Garments Cut: 1947 to 1962

[Beginning 1960, includes Alaska and Hawaii]

TYPE OF GARMENT	Unit	1947	1950	1955	1959	1960	1961	1962 (prel.)
Suits	1,000 units	28,882	27,145	23,857	25,689	26,419	23,937	27,433
Men's	do	26,428	23,695	20,280	21,111	21,316	18,862	21,473
Boys'	do	2,454	3,450	3,577	4,578	5,103	5,075	5,960
Separate trousers [1]	do	60,905	65,819	67,355	90,923	100,335	98,728	102,416
Separate coats	do	5,286	8,855	10,234	13,594	14,203	13,533	16,708
Men's and youths'	do	4,760	7,039	7,932	9,853	10,237	9,785	12,763
Boys'	do	526	1,816	2,302	3,741	3,966	3,748	3,945
Dress and sport shirts, men's	1,000 dozens	17,042	18,100	21,757	22,382	23,208	22,540	28,728
Overalls	do	6,807	9,824	9,753	7,480	7,519	7,705	9,032
Men's	do	4,241	6,100	4,854	2,864	2,965	3,168	3,732
Boys'	do	2,566	3,724	4,899	4,616	4,554	4,537	5,300
Work shirts (includes flannel)	do	5,815	5,796	5,067	4,048	3,763	3,711	n.a.
Men's	do	4,959	5,471	4,557	3,949	3,696	3,643	3,721
Boys'	do	856	325	510	99	67	68	n.a.

n.a. Not available.
[1] Beginning 1955, men's only.

Source: Department of Commerce, Bureau of the Census; data published in *Current Industrial Reports*, Series M23A and M23B.

No. 1123. Hosiery—Production, by Types: 1950 to 1962

[In thousands of dozens of pairs. Excludes Alaska and Hawaii. Excludes slipper socks]

TYPE	1950	1955	1958	1959	1960	1961	1962
All types	160,046	151,911	148,644	156,286	154,865	168,464	172,557
Women's and misses' (full- and knee-length)	59,033	59,905	59,827	63,123	64,875	70,053	72,674
Full-fashioned	51,584	47,250	36,462	33,128	28,735	22,309	16,673
Nylon	51,032	46,981	36,319	32,973	28,604	22,219	16,588
All other	552	269	143	155	131	90	85
Seamless	7,449	12,655	23,365	29,995	36,140	47,744	56,001
Nylon	4,303	10,662	22,219	28,976	35,337	46,990	55,375
Rayon	1,161	566	279	257	172	176	148
Cotton	1,619	1,209	805	711	586	530	461
All other	366	218	62	51	45	48	17
Men's	63,181	56,503	50,846	52,506	51,184	50,892	51,352
Half-hose	21,115	14,659	9,759	10,773	12,217	9,289	7,176
Cotton (incl. bundle goods)	12,782	9,701	6,653	7,156	8,749	6,484	5,349
Nylon [1]	639	1,159	753	855	986	507	122
Rayon	4,281	1,178	611	639	678	579	148
Wool (incl. bundle goods)	3,409	2,564	1,652	1,995	1,640	1,579	1,520
All other	4	57	90	128	164	140	37
Slack socks and anklets	36,630	37,590	36,298	36,206	31,716	35,543	35,927
Cotton [2]	24,483	23,429	21,365	22,266	20,064	21,480	22,585
Nylon	3,038	9,486	9,765	8,324	7,452	9,250	9,235
Rayon	7,802	2,974	2,759	2,457	2,123	2,157	681
Acrylic							2,324
Wool	1,303	1,543	1,692	1,845	598	748	496
All other	4	158	717	1,314	1,479	1,908	606
Crew and athletic [3]	5,436	4,254	4,789	5,527	7,251	6,060	7,925
Cotton	3,360	2,495	2,459	2,787	4,647	3,985	3,705
Wool	2,076	1,759	2,330	2,740	2,604	2,075	2,779
All other							1,441
Knee-length							324
Boys', infants', and children's and misses'	37,832	35,503	37,971	40,657	38,806	47,519	48,531
Boys'	5,722	6,156	9,418	10,573	11,306	14,000	14,109
Slack socks [2]	5,722	6,156	8,821	9,627	9,833	11,581	8,187
Crew and athletic [3]			597	946	1,473	2,419	5,922
Infants'	7,961	5,395	5,799	6,197	6,415	7,117	7,211
Anklets	7,961	5,395	5,799	6,197	6,415	7,117	6,913
Crew socks							298
Children's and misses'	24,149	23,952	22,754	23,887	21,085	26,402	27,211
Anklets	22,313	22,337	20,464	21,096	18,036	22,567	15,779
Triple roll							2,794
Crew and athletic [3]			634	851	997	1,363	5,600
Knee-length	1,836	1,615	1,656	1,940	2,052	2,472	3,038

[1] 1950 and 1955 full-fashioned included with nylon; thereafter, distributed among other fibers.
[2] 1950 and 1955 boys' anklets included with men's cotton slack socks.
[3] 1950 and 1955 boys' and women's and misses' crew socks included with men's crew socks.

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

No. 1124. Shoes and Slippers—Production, by Class: 1947 to 1962

[In thousands of pairs. Excludes Alaska and Hawaii. Excludes rubber footwear]

CLASS	1947	1950	1955	1958	1960	1961	1962 (prel.)
Shoes and slippers	484,964	522,532	585,369	587,115	600,041	593,310	619,407
Footwear, except slippers	437,312	464,506	517,300	516,543	526,574	520,340	543,489
Shoes, sandals, and playshoes	429,923	456,611	509,207	504,536	514,053	507,636	528,128
Men's	107,486	103,361	103,661	101,365	100,578	103,336	111,089
Youths' and boys'	19,829	16,721	22,097	23,698	24,128	24,225	24,235
Women's	212,381	236,059	270,908	[1] 270,698	279,822	273,373	288,082
Misses'	27,026	32,706	40,755	40,132	40,234	39,240	37,101
Children's	27,035	29,173	33,784	32,483	32,654	31,679	33,732
Infants'	21,664	24,747	38,002	36,160	36,637	35,783	33,289
Babies'	14,502	13,844					
Athletic shoes	4,233	3,644	4,723	5,879	7,008	6,641	6,726
Other footwear	3,156	4,251	3,370	6,128	5,513	6,063	8,635
Slippers for housewear	47,652	58,026	68,069	70,572	73,467	72,970	75,918

[1] Includes 1,657,000 pairs of playshoes other than women's and misses'.

Source: Department of Commerce, Bureau of the Census; 1947 and 1958 Censuses of Manufactures reports and *Current Industrial Reports*, Series M31A.

No. 1125. Leather—Production, by Principal Types of Raw Stock: 1937 to 1962

[In thousands. Excludes Alaska and Hawaii]

YEAR	Cattle hide	Calf and whole kip	Goat and kid	Sheep and lamb [1]	YEAR	Cattle hide [2]	Calf and whole kip	Goat and kid	Sheep and lamb [1]
1937	22,380	12,027	46,554	34,077	1950	24,383	10,659	37,203	31,397
1938	19,047	12,991	31,905	28,675	1951	22,703	7,955	31,111	24,504
1939	22,095	14,027	40,419	38,914	1952	22,694	9,960	30,418	27,902
1940	21,070	11,387	37,697	37,920	1953	24,070	9,958	32,154	28,264
1941	28,121	13,098	45,373	51,915	1954	24,210	9,366	26,496	23,796
1942	30,828	12,264	41,127	53,629	1955	25,832	10,393	26,109	26,434
1943	25,656	11,112	37,351	59,891	1956	25,908	8,546	25,103	27,241
1944	26,152	10,930	34,653	55,296	1957	25,511	9,217	22,336	25,565
1945	27,566	11,636	24,026	52,450	1958	23,818	8,069	19,992	27,453
1946	27,032	10,882	24,137	47,971	1959	23,167	6,573	22,797	32,054
1947	28,824	12,471	37,188	36,535	1960	21,969	6,332	18,835	30,478
1948	26,070	10,480	37,970	33,492	1961	22,736	6,391	14,865	31,891
1949	23,332	10,173	34,774	28,644	1962	22,523	5,981	14,213	30,321

[1] Includes the flesh side leather of split sheepskins (fleshers) and excludes the grain leather (skivers).
[2] Beginning 1954, includes side kip.

Source: Tanners' Council of America, Inc. Monthly data published in *Survey of Current Business.*

No. 1126. Rubber (Natural, Reclaimed, and Synthetic)—New Supply, Distribution, and Stocks: 1945 to 1962

[In tons of 2,240 pounds. Excludes Alaska, Hawaii, and Puerto Rico, except as noted. Natural rubber refers to dry weights of all types, including liquid latex, guayule, etc. Synthetic comprises SBR (including weight of oil content, beginning 1955), Neoprene, butyl, and butadiene-acrylonitrile, all years; beginning 1961, also includes polyisobutylene, chlorosulfonated polyethylene, and polysulfide, silicone, acrylic, stereo, and fluorocarbon rubbers. Reclaimed comprises both natural and synthetic rubber reclaims]

ITEM	1945	1950	1955	1959	1960	1961 [1]	1962 [1]
New supply	**1,209,761**	**1,618,108**	**1,945,733**	[2] **2,264,119**	[2] **2,149,557**	[2] **2,070,611**	[2] **2,289,895**
Domestic production	1,064,218	789,190	1,296,382	1,683,797	1,729,238	1,667,869	1,854,655
Natural	536						
Reclaimed	243,309	313,006	325,914	304,145	292,796	263,860	280,589
Synthetic	820,373	476,184	970,468	1,379,652	1,436,442	1,404,009	1,574,066
Imports [3]	145,543	828,918	649,351	580,322	420,319	402,742	435,240
Natural	135,136	802,138	637,577	573,467	410,717	391,082	421,342
Reclaimed	(4)	1,059	735	136	407		391
Synthetic	10,407	25,721	11,039	6,719	9,195	11,660	13,507
Distribution	**1,143,979**	**1,590,324**	**1,960,813**	**2,237,939**	**2,203,001**	**2,098,343**	**2,293,109**
Domestic consumption	1,040,045	1,562,290	1,842,480	1,918,180	1,834,808	1,779,797	1,963,414
Natural	105,429	720,268	634,800	555,044	479,048	427,341	458,558
Reclaimed	241,036	303,733	312,781	290,410	276,515	250,285	261,919
Synthetic	693,580	538,289	894,899	1,072,726	1,079,245	1,102,171	1,242,937
Exports [3]	103,934	28,034	118,333	319,759	368,193	318,546	329,695
Natural	6,743	8,640	10,611	16,264	12,431	6,042	8,051
Reclaimed	13,413	11,741	13,988	13,027	13,759	15,521	17,556
Synthetic	83,778	7,653	93,734	290,468	342,003	296,983	304,088
Stocks, end of year [5]	**350,324**	**177,681**	**279,342**	**320,029**	**358,939**	**355,150**	**362,608**
Natural	118,715	89,215	110,105	79,405	77,275	68,082	69,773
Reclaimed	28,155	35,708	31,498	29,628	32,798	30,829	30,520
Synthetic	[6] 203,454	52,758	137,739	210,996	248,866	256,239	262,315

[1] Includes Alaska and Hawaii.
[2] Excludes 6,786 tons of natural rubber delivered from Government stockpiles for 1959, 88,937 tons for 1960, 25,770 tons for 1961, and 56,097 tons for 1962.
[3] Includes Alaska, Hawaii, and Puerto Rico. [4] Less than 0.5 long tons.
[5] Differences between "New supply" and "Distribution" not precisely comparable with "Stocks" due to year-end and inventory adjustments. [6] 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. 1127. Chemicals—Production, by Kind: 1950 to 1962

[Beginning 1960, includes Alaska and Hawaii. Data for chemicals shown are restricted to a selected group composed for the most part of inorganic chemicals and related products which are sufficiently important economically to justify publication. Includes data for chemicals produced by Tennessee Valley Authority, and, beginning 1955, by Government-owned privately operated plants]

CHEMICAL	Unit	1950	1955	1960	1961	1962 (prel.)
Acetylene [1]	Mil. cu. ft	5,331	8,512	12,143	11,618	13,121
Aluminum chloride:						
Anhydrous (100% $AlCl_3$)	Short tons	31,878	36,911	24,013	21,866	24,606
Liquid and crystal (32° Bé)	do	17,671	16,234	25,830	22,976	23,982
Aluminum sulfate (17% Al_2O_3): [2]						
Commercial	do	669,897	808,202	879,105	889,741	917,341
Iron free	do	40,236	25,225	51,744	55,006	63,031
Ammonia, synthetic anhydrous	1,000 sh. tons	1,566	3,252	4,818	5,207	5,780
Ammonium nitrate, original solution (100% NH_4NO_3)	do	1,214	1,842	3,122	3,235	3,449
Ammonium sulfate, synthetic (technical) [3]	do	1,138	1,173	859	922	1,090
Argon (refined)	Mil. cu. ft	50	247	570	662	817
Calcium carbide (commercial)	1,000 sh. tons	671	875	1,093	1,042	1,083
Calcium phosphate, dibasic (100% $CaHPO_4$)	Short tons	53,046	164,539	234,916	249,608	247,821
Carbon, activated [4]	do	37,921	48,518	59,963	59,660	65,321
Carbon dioxide (liquid, gas, and solid) [5]	do	639,906	776,753	897,877	911,491	1,028,182
Chlorine, gas [6]	1,000 sh. tons	2,084	3,421	4,637	4,601	5,143
Chrome, yellow and orange (C.P.)	Short tons	27,098	27,059	21,372	22,706	24,452
Hydrochloric acid (100% HCl)	do	618,784	838,249	970,167	910,967	1,057,580
Hydrofluoric acid, anhydrous and aqueous (100% HF)	do	35,174	66,637	113,754	113,645	129,472
Hydrogen, high purity (99.5–100%) [7]	Mil. cu. ft	45,163	35,831	12,943	14,274	18,035
Hydrogen, lower purity (less than 99.5%) [7]	do			52,293	51,934	56,755
Hydrogen peroxide (100% by weight)	Short tons	10,787	n. a.	28,690	30,351	30,804
Molybdate chrome orange (C.P.)	do	3,905	6,289	6,326	6,982	7,467
Nitric acid (100% HNO_3)	1,000 sh. tons	1,336	2,592	3,315	3,380	3,641
Nitrogen gas (100% N)	Mil. cu. ft	1,350	3,860	18,566	26,780	40,334
Nitrogen solutions (100% N)	Short tons	n. a.	468,595	803,957	812,562	901,820
Oxygen, high purity (99.5–100% O)	Mil. cu. ft	17,848	29,300	57,987	78,662	100,167
Oxygen, lower purity (less than 99.5%) (95% O)	1,000 sh. tons	n. a.	n. a.	1,479	1,495	1,542
Phosphoric acid (100% P_2O_5)	do	594	1,315	2,087	2,254	2,411
Phosphorus (white and red)	Short tons	153,233	292,954	409,096	430,617	451,970
Potassium hydroxide (88–92% KOH)	do	61,885	70,034	102,614	107,720	120,567
Potassium pyrophosphate (100% $K_4P_2O_7$)	do	n. a.	n. a.	25,934	26,559	30,007
Soda ash: Synthetic (58% Na_2O): [8]						
Total crude bicarbonate equivalent [9]	1,000 sh. tons	3,991	4,907	4,558	4,516	4,607
Finished light [10]	do	2,050	2,701	2,238	2,215	2,296
Finished dense	do	1,410	1,769	1,998	2,039	2,174
Soda ash, natural	do	338	689	790	785	997
Sodium bichromate and chromate	Short tons	89,829	118,524	121,872	120,876	127,478
Sodium chlorate (100% $NaClO_3$)	do	22,085	46,972	91,585	103,235	111,798
Sodium hydroxide (caustic soda):						
Liquid (100% NaOH)	1,000 sh. tons	2,511	3,915	4,972	4,914	5,462
Sodium phosphate:						
Tribasic (100% Na_3PO_4)	Short tons	66,801	51,846	50,977	53,206	54,718
Meta (100% $NaPO_3$)	do	39,412	57,597	62,583	65,439	65,755
Tetra (100% $Na_4P_2O_7$)	do	85,657	102,761	90,013	95,711	97,175
Acid pyro (100% $Na_2H_2P_2O_7$)	do	9,052	15,245	17,109	18,142	20,072
Tripoly (100% $Na_5P_3O_{10}$)	do	233,034	556,337	689,776	156,244	770,252
Sodium silicate (soluble silicate glass, liquid and solid) (anhydrous) [11]	do	486,203	629,168	497,348	525,372	553,337
Sodium sulfate:						
Anydrous (refined) (100% Na_2SO_4)	do	184,254	256,549	303,235	327,028	337,155
Glauber's salt (100% $Na_2SO_4 \cdot 10H_2O$)	do	185,626	149,177	72,340	63,752	
Salt cake (crude) (commercial)	do	561,395	737,599	737,996	780,007	[12]883,031
Sulfuric acid, gross (100% H_2SO_4) [13]	1,000 sh. tons	13,029	16,255	17,883	17,848	19,117
Titanium dioxide (composite and pure) (100% TiO_2)	Short tons	298,618	408,836	455,583	502,879	523,201

n. a. Not available.

[1] Excludes quantities of acetylene produced and consumed by railroad shops, shipyards, and small establishments using portable generators.

[2] Excludes quantities produced and consumed by municipalities.

[3] Excludes by-product coke-oven production.

[4] Includes data for decolorizing and water purification grades only.

[5] Excludes quantities produced and consumed in plants manufacturing soda ash or urea.

[6] Total production, including quantities liquefied for use, storage, or shipment.

[7] Beginning 1955, excludes quantities produced and consumed in manufacture of methanol and ammonia, produced by ammonia dissociation process, or disposed of as waste, e.g., vented, used as fuel, etc.

[8] Ammonia soda and caustic carbonation processes.

[9] Includes quantities used to manufacture caustic soda, sodium bicarbonate, and finished light and dense soda ash. [10] Excludes quantities converted to finished dense soda ash.

[11] Prior to 1960, includes amounts produced and consumed in making meta-ortho and sesquisilicates; beginning 1960, excludes these amounts. [12] Includes Glauber's salt converted to 100% Na_2SO_4.

[13] Includes sulfuric acid of oleum grades.

Source: Department of Commerce, Bureau of the Census; compiled from manufacturers' reports and published in *Current Industrial Reports*, Series M28A.

No. 1128. Selected Medicinal Chemicals—Production and Sales: 1945 to 1961

[**Production and sales in thousands of pounds; value in thousands of dollars.** Excludes Alaska and Hawaii. Production in terms of 100-percent chemical content, exclusive of materials used in mixing or compounding tablets, solutions, and suspensions for consumer use. Sales include only that part of original production sold in undiluted or uncompounded form except as noted]

CHEMICAL	1945	1950	1955	1957	1958	1959	1960	1961
Amino acids: [1]								
Production	[2] 177	929	1,773	4,225	4,249	4,880	[2] 5,163	5,946
Sales	[2] 189	736	2,007	3,594	3,869	4,446	4,214	5,106
Value	[2] 502	1,942	4,901	7,959	7,366	7,145	6,330	7,320
Antihistamines: [2]								
Production		221	151	232	261	205	165	172
Sales		88	61	94	111	123	106	102
Value		3,197	1,748	3,050	3,273	3,436	3,155	3,256
Aspirin:								
Production	10,941	11,110	15,092	18,054	20,819	18,097	23,553	22,668
Sales	10,120	12,603	13,203	16,787	16,312	17,155	18,271	20,113
Value	3,770	5,511	6,955	8,695	8,840	9,235	9,961	10,969
Barbiturates:								
Production	582	689	864	755	790	819	852	700
Sales	557	499	486	457	513	583	456	407
Value	3,025	2,740	2,807	2,369	2,433	2,853	2,429	1,903
Caffeine, natural and synthetic:								
Production	783	1,708	1,153	1,636	1,513	1,933	2,034	2,130
Sales	658	1,653	1,238	1,679	1,659	1,886	2,000	1,983
Value	1,729	6,597	3,673	4,518	4,069	3,801	4,176	4,444
Choline salts:								
Production	[3]	422	5,100	9,728	12,501	12,612	15,176	18,924
Sales	[3]	323	4,636	9,564	11,874	12,268	14,605	17,184
Value	[3]	388	1,902	2,947	3,006	3,035	3,573	3,977
Penicillin salts: [4]								
Production	12	429	455	694	516	567	859	1,102
Sales	12	350	445	601	491	489	677	907
Value	46,462	93,052	43,980	66,294	60,321	57,348	57,391	58,255
Piperazine and derivatives:								
Production	[3]	[3]	459	1,485	[5] 795	[5] 474	[6] 975	4,113
Sales	[3]	[3]	568	1,207	[5] 729	[5] 439	1,204	3,547
Value	[3]	[3]	1,331	2,073	[5] 904	[5] 468	1,572	4,216
Salicylic acid:								
Production	5,412	5,616	7,768	7,611	8,454	6,886	9,282	9,723
Sales	3,654	4,569	5,227	6,495	6,814	6,154	7,882	8,292
Value	1,021	1,440	1,923	2,469	2,628	2,379	3,086	3,266
Streptomycin: [4]								
Production		46	154	198	179	281	605	635
Sales		44	99	169	166	240	329	438
Value		7,131	5,127	6,786	5,797	5,388	7,515	7,856
Sulfa drugs:								
Production	5,888	4,967	2,767	3,843	3,725	5,835	5,080	4,181
Sales	5,672	3,704	[3]	[3]	[3]	[3]	[3]	[3]
Value	20,314	20,933	[3]	[3]	[3]	[3]	[3]	[3]
Tranquilizers:								
Production				964	657	1,434	1,164	1,403
Sales				755	[7] 462	1,159	988	1,018
Value				8,719	[7] 2,219	4,750	4,035	3,419
Vitamins: [8]								
Production	2,945	3,455	6,139	8,569	9,763	10,845	11,063	12,560
Sales	2,516	2,981	5,131	6,516	6,920	7,271	7,995	9,967
Value	48,933	58,714	82,811	79,763	78,110	73,741	68,084	75,958

[1] Production, beginning 1959, and sales and value, beginning 1957, exclude alicyclic and heterocyclic compounds.
[2] Excludes benzenoid compounds.
[3] Withheld to avoid disclosing figures for individual producers.
[4] For human or veterinary use only. Sales include both diluted and undiluted forms.
[5] Derivatives only.
[6] Excludes derivatives.
[7] Excludes benzenoid, alicyclic, and heterocyclic compounds.
[8] Excludes K vitamins.

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

674-894°—63——52

No. 1129. Synthetic Organic Chemicals—Production and Sales, by Group: 1959 to 1961

[Production and sales in millions of pounds; sales value in millions of dollars. Excludes Alaska and Hawaii]

Group	1959			1960			1961		
	Production	Sales	Sales value	Production	Sales	Sales value	Production	Sales	Sales value
Synthetic organic chemicals	**50,315**	**27,524**	**6,498**	**53,952**	**28,760**	**6,662**	**56,183**	**31,012**	**7,147**
Cyclic	16,372	10,245	3,111	17,818	10,735	3,237	18,679	11,183	3,304
Intermediates	8,459	3,511	556	9,602	3,964	622	10,276	4,103	621
Dyes	170	159	206	156	148	192	167	158	213
Toners and lakes	43	33	66	40	33	64	35	29	66
Medicinal chemicals	73	58	548	77	55	521	81	61	541
Flavor and perfume materials	30	24	34	33	26	37	37	29	40
Plastics and resin materials	2,646	2,200	606	2,716	2,228	628	2,829	2,349	634
Rubber-processing chemicals	178	134	86	170	130	85	174	135	89
Elastomers (synthetic rubbers)	2,213	2,006	463	2,283	1,949	469	2,118	1,912	462
Plasticizers	403	362	98	445	384	103	474	406	106
Surface-active agents	936	895	139	977	927	147	1,150	1,086	149
Pesticides and other organic agricultural chemicals	469	410	172	525	455	203	572	484	238
Miscellaneous	753	453	136	793	435	165	769	431	146
Acyclic	33,943	17,279	3,387	36,134	18,026	3,425	37,504	19,829	3,843
Medicinal chemicals	33	30	34	37	33	35	37	31	36
Flavor and perfume materials	21	21	22	22	21	23	27	26	28
Plastics and resin materials	3,219	2,970	1,034	3,427	3,119	1,025	3,881	3,640	1,077
Rubber-processing chemicals	32	25	16	29	22	16	31	21	15
Elastomers (synthetic rubbers)	613	594	230	669	602	229	689	653	255
Plasticizers	136	115	44	157	116	45	156	130	48
Surface-active agents	568	477	132	555	472	131	580	498	142
Pesticides and other organic agricultural chemicals	117	93	53	122	115	59	128	128	65
Miscellaneous	29,205	12,954	1,822	31,115	13,525	1,861	31,975	14,702	2,176

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

No. 1130. Industrial Explosives Sold for Consumption in the United States: 1930 to 1961

[In thousands of pounds. Includes Alaska and, beginning 1959, Hawaii. Excludes exports]

Year	Total [1]	Permissible explosives [2]	High explosives other than permissible	Black blasting powder	Use	Total	Permissible explosives [2]	High explosives other than permissible [3]	Black blasting powder
					1960				
1930	445,090	53,826	291,391	99,873	Coal mining	[1] 414,667	79,667	332,395	936
1935	308,381	39,170	200,324	68,888	Metal mining	221,187	60	221,097	30
1940	423,369	58,436	305,180	59,753	Quarrying and nonmetal mining	262,748	450	261,980	318
1945	457,311	97,407	322,956	36,948	Railway and other construction work	209,739	254	209,417	68
1950	719,841	109,420	575,962	20,655	Seismograph	51,331	10	51,321	-------
1951	753,821	108,258	611,236	13,985	All other purposes	13,326	136	13,006	185
1952	764,718	95,460	636,741	10,602					
1953	790,811	89,879	668,952	9,515					
1954	715,955	75,863	612,054	10,297	**1961**				
1955	806,878	93,718	687,226	6,624					
					Coal mining	414,696	72,522	339,173	766
1956	1,026,780	104,934	[3] 898,524	5,598	Metal mining	234,155	58	234,097	-------
1957	1,034,631	104,522	[3] 912,589	3,684	Quarrying and nonmetal mining	268,479	445	267,478	556
1958	961,597	84,085	864,117	2,492	Railway and other construction work	209,794	109	209,638	48
1959	1,048,576	83,520	[3] 955,916	2,333	Seismograph	65,134	3	65,129	2
1960	1,172,998	80,577	[3] 1,089,216	1,537	All other purposes	11,362	302	10,911	149
1961	1,203,621	73,439	[3] 1,126,427	1,521					

[1] Beginning 1947, totals include sales of liquid oxygen explosive. For 1960 and 1961, such sales amounted to 1,668,000 and 2,235,000 pounds, respectively, all for use in coal mining.

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

[3] Includes prilled and/or grained ammonium nitrate blasting agents, both the completely processed variety and the not further processed.

Source: Department of the Interior, Bureau of Mines; *Consumption of Industrial Explosives.*

No. 1131. Asphalt and Tar Roofing and Siding Products—Shipments: 1950 to 1962

[Beginning 1960, includes Alaska and Hawaii]

PRODUCT	1950	1955	1958	1959	1960	1961	1962
Asphalt roofing—1,000 squares	65,024	62,582	58,228	59,527	59,959	61,570	65,552
Smooth-surfaced—do	14,377	11,502	9,839	8,929	8,919	8,821	9,863
Mineral-surfaced—do	14,116	12,902	12,797	12,229	12,835	12,519	13,375
Strip shingles—do	32,109	33,915	31,256	33,772	33,811	35,398	37,402
Individual shingles—do	4,422	4,263	4,336	4,597	4,393	4,832	4,912
Asphalt sidings—do	2,009	1,288	1,040	935	872	850	815
Roll form—do	1,659	1,066	849	772	734	733	725
Shingle form—do	350	223	191	163	138	117	90
Insulated siding, all types and finishes—1,000 squares	2,402	2,195	1,618	1,519	1,131	1,015	926
Saturated felts—1,000 short tons	721	1,039	955	1,027	983	920	1,019
Asphalt—do	621	905	858	937	898	851	953
Tar—do	100	134	97	90	85	69	66
Saturated and coated sheathings—short tons	12,025	9,723	18,931	18,212	11,859	12,884	11,237

Source: Department of Commerce, Bureau of the Census; *Current Industrial Reports*, Series M29A.

No. 1132. Pressed and Blown Glassware—Value of Shipments, by Class: 1954 to 1961

[**In thousands of dollars.** Beginning 1961, includes Alaska and Hawaii. Comprises products manufactured from glass produced in reporting establishment]

CLASS	1954	1955	1958	1959	1960	1961
Total value	379,754	377,056	386,048	461,233	478,782	482,799
Table, kitchen, art, and novelty glassware	123,478	132,139	149,006	174,456	188,534	193,440
Machine-made:						
Tumblers, goblets, and other stemware	43,523	46,297	50,887	53,768	53,950	55,470
Tableware	24,113	23,663	27,401	28,596	30,558	34,942
Kitchenware and cookingware	55,842	62,179	70,718	92,092	70,423	56,169
Ornamental, decorative, novelty glassware and smokers' accessories						13,914
Handmade					33,603	32,945
Lighting and electronic glassware	162,390	164,804	143,286	171,696	169,894	171,801
Bowls and enclosing globes (all types), shades, reflectors, and torcheres [1]	16,185	16,323	16,756	18,910	16,998	17,962
Electric-light bulb and electronic tube blanks	127,400	131,382	109,023	131,520	131,454	27,276
Tubing, cane, and other glass parts for electronic tubes and devices and electric light bulbs						24,337
Television tube blanks and parts						81,393
All other lighting and electronic glassware	18,805	17,099	17,507	21,266	21,442	20,833
All other pressed and blown glassware	93,886	80,113	93,756	115,081	120,354	117,558
Scientific and laboratory glassware	23,785	18,049	24,465	26,169	30,115	28,039
Industrial glassware	16,369	12,975	14,825	18,601	18,262	21,330
Ophthalmic and optical instrument lens blanks and sunglass, eye protective, automotive, lantern, and searchlight lenses	53,732	49,089	54,466	70,311	71,977	34,162
Other pressed and blown glassware, not elsewhere classified						34,027

[1] Includes lantern globes (oil and electric), lamp chimneys, and lamp parts.

Source: Department of Commerce, Bureau of the Census; *Current Industrial Reports*, Series M32E.

No. 1133. Refractories—Shipments: 1960 to 1962

[Beginning 1961, includes Alaska and Hawaii]

PRODUCT	Unit	1960		1961		1962	
		Quantity	Value ($1,000)	Quantity	Value ($1,000)	Quantity	Value ($1,000)
Clay refractories			178,836		166,628		166,095
Fire clay brick, standard and special shapes	M 9" equiv.	411,487	73,846	341,200	62,519	341,227	61,356
High-alumina brick and shapes [1]	do.	21,962	9,978	23,346	10,851	28,530	12,998
Insulating firebrick and shapes	do.	47,250	11,681	39,412	9,834	42,852	10,823
Ladle brick	do.	193,290	20,438	187,404	20,925	177,827	19,379
Sleeves, nozzles, runner brick and tuyeres	do.	34,653	7,640	32,563	6,814	38,365	8,174
Hot top refractories	Short tons	69,913	4,472	73,684	5,142	61,164	4,171
Glass-house pots, tank blocks, feeder parts, and upper structure shapes used only for glass tanks [1]	do.	18,792	5,254	15,681	4,943	13,402	4,151
Refractory bonding mortars [2]	do.	63,792	7,206	58,202	6,649	59,158	6,584
Plastic refractories and ramming mixes [1]	do.	128,122	10,392	138,373	11,407	143,750	11,977
Castable refractories (hydraulic setting)	do.	116,015	11,763	126,402	13,210	119,671	12,420
Ground crude fire clay, high alumina clay, and silica fire clay [3]	do.	513,006	5,809	428,270	4,103	379,742	3,545
Other clay refractories			10,357		10,231		10,517
Nonclay refractories			234,650		230,602		223,622
Silica brick and shapes	M 9" equiv.	183,297	39,069	145,027	29,643	119,161	23,497
Magnesite and magnesite-chrome brick and shapes	do.	52,815	45,493	61,659	52,090	65,485	56,187
Chrome and chrome-magnesite brick and shapes	do.	44,330	35,742	41,248	32,367	33,775	26,387
Graphite refractories	Short tons	11,360	8,785	11,939	8,865	12,493	9,851
Mullite brick and shapes	M 9" equiv.	5,559	6,748	4,634	5,768	4,944	6,042
Extra-high alumina brick and shapes	do.	3,134	4,937	3,230	5,580	3,089	4,942
Silicon carbide brick and shapes	do.	3,991	9,389	3,780	8,781	3,999	9,552
Zircon and zirconia brick and shapes	do.	1,150	4,510	844	3,386	781	2,623
Forsterite, pyrophillite, molten-cast, and other nonclay brick and shapes			23,237		21,685		23,444
Refractory bonding mortars	Short tons	113,719	12,078	160,055	15,791	156,791	15,289
Plastic refractories and ramming mixes	do.	156,986	18,967	198,665	22,463	164,453	19,302
Refractory castables (hydraulic setting)	do.	7,789	1,105	12,362	1,752	27,824	2,654
Dead-burned magnesia or magnesite [3]	do.	138,143	8,367	155,307	9,615	173,420	10,548
Other nonclay refractory materials sold in lump or ground form [3 4]	do.	208,302	16,223	158,264	12,816	166,146	13,304

[1] 50% Al_2O_3 and over. Excludes data for mullite or extra-high alumina, included under nonclay refractories.
[2] Bonding mortars containing more than 60% Al_2O_3 dry basis included under nonclay refractories.
[3] Represents only shipments by establishments classified in "manufacturing" industries and excludes shipments to refractory producers for manufacture of brick and other refractories.
[4] Includes gunning mixes and carbon refractories.

Source: Department of Commerce, Bureau of the Census; *Current Industrial Reports*, Series M32C.

No. 1134. Structural Clay Products—Production and Shipments, by Kind: 1950 to 1962

[Beginning 1961, includes Alaska and Hawaii. See also *Historical Statistics, Colonial Times to 1957*, series P 212, for production of brick]

PRODUCT	1950	1955	1960	1961	1962 (prel.)
Brick (building or common and face):					
Production, 1,000,000 standard bricks	6,333	7,902	6,943	6,682	6,886
Shipments: Quantity, do.	6,486	7,741	6,502	6,428	6,904
Value, mil. dol.	164	233	224	225	246
Facing tile (structural), ceramic glazed, incl. glazed brick:					
Production, 1,000,000 brick equivalent	n.a.	455	378	404	389
Shipments: Quantity, do.	n.a.	446	370	388	373
Value, mil. dol.	n.a.	31	29	30	31
Facing tile (structural), unglazed and salt glazed:					
Production, 1,000,000 tiles	n.a.	26	14	13	11
Shipments: Quantity, do.	n.a.	26	12	12	11
Value, mil. dol.	n.a.	4	3	2	2
Structural clay tile, except facing:					
Production, 1,000 short tons	1,294	935	496	479	423
Shipments: Quantity, do.	1,317	929	488	476	410
Value, mil. dol.	15	12	8	7	6
Vitrified clay sewer pipe and fittings:					
Production, 1,000 short tons	1,549	2,112	1,955	1,831	1,687
Shipments: Quantity, do.	1,568	2,056	1,855	1,749	1,717
Value, mil. dol.	53	84	95	90	89
Clay floor and wall tile and accessories, incl. quarry tile:					
Production, 1,000,000 square feet	125	233	242	229	258
Shipments: Quantity, do.	127	233	233	228	252
Value, mil. dol.	62	128	130	124	135

n.a. Not available.

Source: Department of Commerce, Bureau of the Census; *Current Industrial Reports*, Series M32D.

No. 1135. Pig Iron and Ferroalloys—Capacity, Production, and Materials Used: 1940 to 1962

[In thousands of short tons, except number of furnaces. See also *Historical Statistics, Colonial Times to 1957*, series P 233, for blast furnace capacity]

ITEM	1940	1945	1950	1955	1959	1960	1961	1962
Blast furnaces, total number, Jan. 1	232	243	248	261	266	263	260	259
Number in blast, Jan. 1	195	218	218	206	189	229	114	172
Blast furnace capacity [1]	55,724	67,314	[2]71,560	83,971	94,635	96,521	n.a.	n.a.
Blast furnace production	46,979	54,166	65,440	77,790	60,829	67,320	65,295	66,291
Percent of capacity	84.3	80.5	91.4	92.6	64.3	69.7	n.a.	n.a.
Pig iron	46,072	53,223	64,587	76,857	60,194	66,481	64,631	65,641
Ferroalloys	907	943	853	932	635	839	664	650
Electric furnace production, ferroalloys	419	753	961	1,474	1,349	1,246	1,270	1,304
Total production [3]	47,399	54,919	66,400	79,264	62,178	68,566	66,565	67,595
Basic	33,988	39,867	49,880	62,485	52,114	58,261	58,150	58,806
Bessemer and low-phosphorus	7,835	8,570	8,426	7,699	3,430	3,791	2,777	2,997
Foundry (incl. ferrosilicon and silvery pig iron)	2,791	3,067	3,646	3,558	2,526	2,152	1,896	1,975
Malleable	1,832	2,350	3,181	3,531	2,488	2,673	2,103	2,154
Ferromanganese and spiegeleisen	747	706	777	955	680	878	783	802
All other	206	360	490	1,035	940	811	856	861
Materials used: [4]								
Iron and manganese ore and agglomerated products	79,672	91,276	112,156	127,753	95,589	104,608	101,908	102,238
Mill cinder, scrap, scale, etc.	7,480	9,749	10,731	15,210	8,764	9,034	8,659	9,035
Coke	40,451	48,965	59,549	67,061	47,223	49,772	45,728	45,259
Limestone, dolomite, etc.	16,678	20,863	27,708	29,744	16,058	15,868	13,546	12,773

n.a. Not available.
[1] Annual capacity as of Jan. 1.
[2] Average annual capacity as of Jan. 1 and July 1.
[3] Includes ferroalloys produced in electric furnaces.
[4] Materials consumed in manufacture of pig iron only.

Source: American Iron and Steel Institute; *Annual Statistical Report.*

No. 1136. Pig Iron and Ferroalloys—Production, by States: 1945 to 1962

[In thousands of short tons]

STATE	1945	1950	1955	1959	1960	1961	1962
Total	54,919	66,400	79,264	62,178	68,566	66,565	67,595
Pig iron	53,223	64,587	76,857	60,194	66,481	64,631	65,641
Massachusetts, New York	3,295	4,302	5,144	3,659	4,205	3,761	3,915
Pennsylvania	16,171	18,240	20,844	15,135	16,533	15,205	15,728
Maryland, West Virginia	3,519	5,203	6,094	7,164	7,987	8,108	8,114
Kentucky, Tennessee, Texas	808	1,460	1,713				
Alabama	3,582	4,347	4,924	3,658	3,541	3,533	3,628
Ohio	11,259	12,510	15,370	11,564	11,788	10,994	11,625
Indiana	5,982	7,018	8,717	6,630	8,404	8,877	8,776
Illinois	5,045	6,024	6,489	5,268	5,307	4,726	4,716
Michigan, Minnesota	1,921	2,830	4,002	4,049	4,981	5,005	5,432
Colorado, Utah, California	1,642	2,653	3,561	3,067	3,735	4,422	3,707
Ferroalloys	1,696	1,813	2,406	1,984	2,085	1,934	1,954
New York, New Jersey	449	392	309	144	153	107	98
Pennsylvania	573	554	590	375	510	445	506
Virginia, West Virginia, South Carolina	171	287	464	451	345	418	359
Tennessee	66	60					
Alabama	85	59	114	(1)	(1)	(1)	(1)
Ohio	204	198	547	598	658	526	578
Other States	148	264	383	418	419	438	413

[1] Included in "Other States."

Source: American Iron and Steel Institute; *Annual Statistical Report.*

No. 1137. Rolled and Miscellaneous Iron and Steel Products—Production, by Kind: 1930 to 1962

[In thousands of short tons. See also *Historical Statistics, Colonial Times to 1957*, series P 208 and P 210-211, for production in long tons for selected items]

KIND	1930	1940	1950	1955	1960	1961	1962
Hot-rolled products	33,055	48,660	75,191	90,658	76,446	73,412	75,059
Plates	4,102	4,323	7,386	8,191	7,449	6,903	7,137
Sheets	3,933	11,706	22,693	31,517	29,815	28,399	30,367
Black plate	2,120	522	153				
Strip	2,175	2,078	3,904	3,684	[1] 1,549	[1] 1,483	1,469
Coils for cold reduced black plate and tin plate	n.a.	3,104	5,991	7,579	7,957	7,909	6,924
Hoops	89	97	37	16	11	11	9
Cotton ties and baling bands	52	45	49	64	(1)	(1)	(1)
Bars—merchant	4,628	6,459	9,353	10,123	7,752	6,978	7,857
Bars—concrete reinforcement	952	1,426	1,833	2,393	2,358	2,644	2,381
Bars—light shapes	562	877	1,063	1,264	1,040	1,071	902
Structural shapes—heavy	3,372	3,355	4,379	5,072	5,085	4,446	4,475
Steel piling	118	186	243	303	286	304	279
Rails	2,098	1,679	1,850	1,227	711	472	544
Joint bars and tie plate bars	679	516	656	473	172	110	133
Skelp	3,004	2,709	4,164	5,144	3,193	3,320	3,051
Blanks or pierced billets	1,398	2,321	4,031	4,891	3,546	3,709	3,555
Wire rods	2,630	4,352	5,820	6,098	4,265	4,416	4,435
Rolled forging billets	341	920	1,215	1,959	927	767	970
Blooms, billets, etc., for export	11	1,678	11	242		123	163
Car wheels (rolled steel)	790	191	260	316	239	180	232
All other		116	101	101	91	176	176
Miscellaneous products: [2]							
Tin plate and terne plate	1,883	2,739	4,640	5,157	5,901	5,610	5,365
Galvanized sheets	1,171	1,695	2,274	2,875	3,102	3,551	3,585
Wire (plain)	n.a.	3,072	4,855	4,787	3,263	3,333	3,376
Wire nails	478	649	876	653	347	312	292
Pipes and tubes (black)	n.a.	4,273	9,310	10,039	7,638	7,387	7,054
Forgings made by rolling mills [3]	533	623	457	547	434	414	507
Cold finished bars	n.a.	891	1,745	2,074	1,562	1,308	1,472
Sheets (cold rolled)	n.a.	3,630	10,433	16,855	16,479	14,760	15,433
Strip (cold rolled)	n.a.	939	2,203	2,496	1,718	1,798	1,972
Galvanized pipe	441	708	1,103	1,101	649	595	562

n.a. Not available.
[1] Cotton ties and baling bands included in strip.
[2] These are mostly further elaborations of products listed above.
[3] Includes forged axles.

Source: American Iron and Steel Institute; *Annual Statistical Report.*

No. 1138. Iron and Steel—Wholesale Price Indexes: 1930 to 1963

[1957-59=100. Includes Alaska and Hawaii]

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				
1930	35.4							
1935	34.4							
1940	37.7	36.7	37.3	31.5				
1945	39.3	37.9	38.5	32.9				
1950	66.9	62.9	63.1	60.7	69.8	69.9	101.0	67.6
1955	83.2	81.8	81.9	81.9	83.7	91.1	101.0	82.0
1957	98.4	97.2	97.2	97.1	99.6	103.1	112.9	97.4
1958	99.9	100.6	100.6	100.7	100.1	100.5	90.5	100.3
1959	101.8	102.2	102.3	102.2	100.3	96.4	96.7	102.3
1960	100.6	102.1	102.1	102.0	96.3	97.1	79.9	103.1
1961	100.7	101.7	101.7	101.8	94.7	98.1	84.7	103.4
1962 (prel.)	99.3	101.4	101.4	101.8	91.1	93.9	69.0	103.6
March	99.8	101.5	101.5	101.8	91.9	93.2	76.2	103.2
1963, March (prel.)	98.5	101.2	101.2	101.8	81.0	93.2	66.6	103.6

Source: Department of Labor, Bureau of Labor Statistics.

No. 1139. Steel—Capacity and Production of Ingots and Steel for Castings: 1930 to 1962

[In thousands of short tons, except percent. Excludes foundries which normally produce steel only for castings. See also *Historical Statistics, Colonial Times to 1957*, series P 203-207, for production in long tons, and P 234, for capacity]

Year	Capacity (Jan. 1)	Production			Index of production (1957-59=100)	Year	Capacity (Jan. 1)	Production			Index of production (1957-59=100)
		Total	Percent of capacity	Total, open hearth				Total	Percent of capacity	Total, open hearth	
1930	71,042	44,591	62.8	38,587	45.9	1955	125,828	117,036	93.0	105,359	120.5
1935	78,452	38,184	48.7	34,401	39.3	1956	128,363	115,216	89.8	102,841	118.3
1940	81,619	66,983	82.1	61,573	68.8	1957	133,459	112,715	84.5	101,658	116.0
1945	95,505	79,702	83.5	71,940	82.0	1958	140,743	85,255	60.6	75,879	87.8
1946	91,891	66,603	72.5	60,712	68.6	1959	147,634	93,446	63.3	81,669	96.2
1947	91,241	84,894	93.0	76,874	87.4	1960	148,571	99,282	66.8	86,368	101.9
1948	94,233	88,640	94.1	79,340	91.0	1961	n.a.	98,014	n.a.	84,502	100.9
1949	96,121	77,978	81.1	70,249	80.3	1962	n.a.	98,328	n.a.	82,957	101.2
1950	[1] 99,983	96,836	96.9	86,263	99.7						

n.a. Not available.
[1] Average of Jan. 1 and July 1.
Source: American Iron and Steel Institute; *Annual Statistical Report.*

No. 1140. Steel Products—Shipments, by Market Classes: 1940 to 1962

[In thousands of short tons. Comprises carbon, alloy, and stainless steel]

Market classes	1940	1945	1950	1955	1960	1961	1962
Total	45,851	57,242	72,232	84,717	71,149	66,126	70,522
Domestic shipments	37,752	53,449	69,665	81,134	68,586	64,396	68,900
Steel for converting and processing [1]	1,646	2,706	3,900	3,753	2,928	2,373	2,311
Forgings, except automotive [2]	435	1,418	1,082	1,266	841	765	865
Bolts, nuts, rivets, and screws	708	1,083	1,410	1,475	1,072	995	1,094
Warehouses and distributors	6,687	9,571	13,360	15,758	12,480	12,365	12,269
Oil and gas industry	654	667	1,684	2,196	1,125	1,528	1,503
Other	6,033	8,904	11,676	13,562	11,355	10,837	10,766
Construction, including maintenance	5,959	6,060	8,602	9,682	9,664	9,260	9,315
Rail transportation	150	66	124	75	51	[3]	[3]
Oil and gas	991	1,396	3,039	2,448	2,166	2,020	2,007
Other	4,818	4,598	5,439	7,159	7,447	7,240	7,308
Contractors' products	[4]	[4]	3,075	3,982	3,602	3,851	4,162
Automotive	7,325	4,071	14,472	18,722	14,610	12,594	15,181
Vehicles, parts, etc	7,185	3,774	13,923	18,203	14,194	12,146	14,669
Forgings	140	297	549	519	416	448	512
Rail transportation	3,777	5,121	4,299	3,521	2,525	1,594	2,029
Railroad rails, trackwork, and equipment	1,202	1,451	2,222	1,580	723	422	549
Freight cars, passenger cars, and locomotives	2,575	3,670	2,029	1,901	1,763	1,139	1,450
Street railways and rapid transit systems			48	40	39	33	30
Shipbuilding and marine equipment	940	2,719	327	601	622	680	679
Aircraft [2]	48	301	52	97	78	85	86
Oil and gas drilling	[4]	[4]	620	793	404	365	344
Mining, quarrying, and lumbering	141	210	289	269	288	275	263
Agricultural	920	1,120	1,538	1,337	1,003	1,050	1,121
Agricultural machinery	n.a.	n.a.	1,298	1,112	765	717	859
Other	n.a.	n.a.	240	225	238	333	262
Machinery, industrial equipment, and tools	1,108	1,607	3,474	4,699	3,958	3,756	4,193
Electrical machinery and equipment	777	819	1,837	2,292	2,078	1,972	2,157
Appliances, utensils, and cutlery	950	675	2,088	2,199	1,760	1,749	1,806
Other domestic and commercial equipment	1,210	1,433	1,804	2,189	1,959	1,811	1,922
Containers	2,985	4,333	5,911	6,723	6,429	6,623	6,720
Cans and closures	n.a.	n.a.	4,339	4,947	4,976	5,271	5,327
Barrels, drums, and shipping pails	n.a.	n.a.	925	983	842	810	816
Other	n.a.	n.a.	647	793	611	542	577
Ordnance and other direct military	n.a.	5,509	195	857	165	182	249
Nonclassified shipments	2,135	4,693	1,330	919	2,120	2,051	2,074
Exports [5]	8,099	3,793	2,567	3,583	2,563	1,730	1,652

n.a. Not available.
[1] Net total after deducting shipments to reporting companies for conversion or resale.
[2] Aircraft forgings shipped to independent forgers included in "Forgings, except automotive" prior to April 1959; included in "Aircraft" thereafter.
[3] Included in "Construction, including maintenance: Other."
[4] Included in "Construction, including maintenance." [5] Reporting companies only.
Source: American Iron and Steel Institute; *Annual Statistical Report.*

No. 1141. Iron and Steel—Aggregate Exports of Selected Items: 1900 to 1962

[**Quantities in thousands of short tons; values in thousands of dollars.** Includes exports of Alaska, Hawaii, and Puerto Rico to foreign countries. Includes ferromanganese. Beginning 1925, excludes steam and hot water heating boilers and radiators. Value figures through 1920 exclude, and those beginning 1925 include, data for small items for which quantity figures are not available. Includes shipments under foreign aid programs; beginning 1948 also includes civilian supply shipments]

YEAR	Quantity	Value	YEAR	Quantity	Value	YEAR	Quantity	Value
1900	1,292	42,518	1945	5,203	461,147	1954	[1] 4,826	653,468
1905	1,131	33,813	1946	5,149	449,843	1955	[1] 9,723	979,357
1910	1,723	63,436	1947	6,994	830,655	1956	[1] 11,574	1,281,444
1915	3,957	140,993	1948	4,885	659,779	1957	[1] 13,657	1,622,570
1920	5,527	458,376	1949	5,146	714,780	1958	[1] 6,328	1,046,410
1925	1,974	144,262	1950	3,248	465,141	1959	[1] 7,009	884,735
1930	2,220	139,039	1951	3,783	612,236	1960	[1] 11,493	1,186,585
1935	3,431	88,414	1952	[1] 4,854	771,442	1961	[1] 12,452	1,140,938
1940	11,876	524,426	1953	[1] 3,711	640,159	1962	[1] 7,598	946,967

[1] Excludes figures for wire cloth and articles not reported.

Source: Department of Commerce, Bureau of the Census; prior to 1947, *Foreign Commerce and Navigation o the United States*; thereafter, *Quarterly Summary of Foreign Commerce of the United States*, and records.

No. 1142. Copper-Base Mill and Foundry Products—Shipments: 1950 to 1962

[**In millions of pounds, metal weight.** Excludes Alaska and Hawaii]

TYPE OF PRODUCT	1950	1955	1957	1958	1959	1960	1961	1962
Total	**5,037**	**5,130**	**4,428**	**4,042**	**4,813**	**4,298**	**4,510**	**4,912**
Brass mill products	2,554	2,532	1,947	1,790	2,221	1,878	2,068	2,313
Alloyed [1]	1,663	1,644	1,245	1,127	1,392	1,128	1,220	1,353
Unalloyed	890	888	703	663	829	750	848	960
Copper wire mill products [2]	1,427	1,556	1,556	1,415	1,585	1,521	1,554	1,636
Brass and bronze foundry products	1,057	999	889	805	962	862	848	916
Copper-base powder mill products	n.a.	43	36	33	45	39	40	47

n.a. Not available.
[1] Excludes webbing scrap generated in production of military ammunition cups and discs.
[2] Copper content.

Source: Department of Commerce, Bureau of the Census and Business and Defense Services Administration; *Copper Industry Report, 1962*, and *Current Industrial Reports*, Series BDSAF-84(60)-4.

No. 1143. Aluminum and Magnesium—Net Shipments of Mill Products: 1950 to 1962

[**In millions of pounds.** *Beginning 1961, includes Alaska and Hawaii. Producers' net shipments consist of* total shipments less shipments to other metal mills for further fabrication into other forms of mill products]

ITEM	1950	1955	1958	1959	1960	1961	1962
Aluminum mill products	1,713	2,792	2,597	3,386	3,049	3,345	3,811
Plate, sheet, and foil	1,163	1,543	1,353	1,769	1,637	1,764	2,008
Rolled structural shapes, rod, bar and wire	[1] 270	368	346	447	392	455	521
Extruded shapes, tube blooms and tubing	258	775	822	1,082	937	1,034	1,159
Powder, flake and paste	22	36	26	35	33	36	44
Forgings	(1)	70	51	54	50	56	79
Magnesium mill products	13	21	19	22	21	21	23

[1] Forgings included with rolled rod and bar.

Source: Department of Commerce, Bureau of the Census; *Current Industrial Reports*, Series M22-2.

No. 1144. Ferrous Castings—Shipments and Unfilled Orders: 1950 to 1962

[In thousands of short tons. Beginning 1961, includes Alaska and Hawaii. Gray iron castings, except 1950, are based on a sample of foundries; all other data on a complete count]

ITEM	1950	1955	1958	1959	1960	1961	1962
GRAY IRON CASTINGS							
Shipments [1]	13,725	14,838	10,371	12,308	11,594	10,824	11,553
Pressure pipe and fittings	1,215	1,687	1,278	1,441	1,336	1,384	1,351
Soil pipe and fittings	795	870	789	862	782	834	889
All other gray iron castings	11,715	12,281	8,304	10,005	9,476	8,606	9,313
Unfilled orders, Dec. 31 [2]	2,142	1,075	608	847	553	671	693
Pressure pipe and fittings	617	277	142	178	146	172	205
Soil pipe and fittings	208	27	21	17	16	14	12
All other gray iron castings	1,317	771	445	652	391	485	476
MALLEABLE IRON CASTINGS							
Shipments	942	1,105	661	916	821	723	868
For sale	537	653	384	557	467	428	} 868
For own use	405	452	277	359	354	295	
Standard malleable	----	----	541	730	632	554	643
Pearlitic malleable	----	----	120	186	189	169	225
Unfilled orders, Dec. 31 [2]	222	123	66	94	55	66	81
Standard malleable	----	----	53	71	41	50	59
Pearlitic malleable	----	----	13	23	13	17	22
STEEL CASTINGS							
Shipments [1]	1,481	1,531	1,121	1,413	1,392	1,217	1,423
Carbon	1,130	1,088	802	1,044	1,016	843	965
Alloy	351	443	319	369	376	374	458
Unfilled orders, Dec. 31 [2]	570	475	214	306	163	168	181
Carbon	476	364	158	257	125	112	127
Alloy	94	111	56	49	38	56	54

[1] Includes shipments for "own use."
[2] Unfilled orders for sale only. Excludes unfilled orders of captive plants.

Source: Department of Commerce, Bureau of the Census; monthly data published currently in *Current Industrial Reports*, Series M33A and M33-I.

No. 1145. Nonferrous Castings—Shipments and Unfilled Orders: 1950 to 1961

[In thousands of pounds. Beginning 1960, includes Alaska and Hawaii. Shipments include "for own use." Unfilled orders are for the end of the year and comprise "for sale" only. Data for 1950 based on complete coverage; other years based on sample and subject to sampling variation; see text, pp. 771–773]

TYPE OF CASTING	1950	1955	1958	1959	1960	1961 (prel.)
Shipments, all types	2,215,588	2,663,031	1,952,487	2,337,610	2,201,127	2,132,532
Unfilled orders, all types	303,305	273,698	162,373	190,998	148,414	164,209
Copper and copper-base alloy:						
Shipments	1,056,973	1,008,898	762,484	871,032	759,658	730,094
Unfilled orders	73,940	57,241	26,006	28,052	21,914	22,658
Aluminum and aluminum-base alloy:						
Shipments	543,082	827,162	641,700	786,399	774,548	761,821
Unfilled orders	113,300	123,881	76,566	86,808	71,398	83,824
Zinc and zinc-base alloy:						
Shipments	579,332	778,000	500,071	631,210	622,713	601,644
Unfilled orders	106,885	86,120	54,632	72,246	51,516	53,858
Magnesium and magnesium-base alloy:						
Shipments	15,224	27,854	28,776	27,253	23,530	23,373
Unfilled orders	7,654	5,981	4,836	3,421	3,156	3,419
Lead and lead-base alloy die: [1]						
Shipments	20,977	21,117	19,456	21,716	20,678	15,600
Unfilled orders	1,526	475	(2)	(2)	430	450

[1] Excludes producers of lead die castings for battery plates and parts; they reported shipments of 146 million pounds in 1950.
[2] Withheld because estimates did not meet publication standards.

Source: Department of Commerce, Bureau of the Census; *Current Industrial Reports*, Series M33E.

No. 1146. Manufacturers' Sales and Retail Value of Home Appliances: 1950 to 1962

[Includes Alaska and Hawaii. Compiled from reports of associations and manufacturers, and from Census Bureau surveys of manufactures. Sales include exports. Except as noted, covers electric appliances only]

Product	Sales (1,000 units)					Retail value ($1,000,000)				
	1950	1955	1960	1961	1962	1950	1955	1960	1961	1962
Home laundry	4,591	5,788	4,775	4,775	5,259	855	1,341	1,148	1,101	1,183
Dryers, clothes	319	1,397	1,260	1,236	1,420	70	309	261	245	276
Electric	251	1,028	818	787	935	53	217	160	149	173
Gas	68	369	442	449	485	17	92	102	97	103
Washing machines	4,273	4,391	3,364	3,444	3,795	785	1,032	817	812	888
Automatic and semi-automatic	1,646	3,123	2,601	2,710	3,040	423	845	697	699	772
Wringer and spinner	2,626	1,268	763	734	755	361	187	120	112	116
Washer-drier combinations	-------	-------	151	95	44	-------	-------	70	44	20
Other major appliances	15,848	13,697	12,526	12,767	13,667	2,557	2,812	2,665	2,542	2,642
Dishwashers	230	295	555	620	720	67	90	142	155	174
Food waste disposers	320	520	760	800	890	43	60	61	64	67
Freezers	890	1,100	1,045	1,050	1,090	289	440	308	278	289
Ranges, electric	1,830	1,600	1,495	1,530	1,645	425	424	412	406	426
Ranges, gas	3,023	2,334	1,814	1,830	1,982	-------	223	271	274	316
Refrigerators, electric	6,200	4,200	3,475	3,480	3,775	1,602	1,323	1,120	1,027	1,083
Water heaters, electric	990	900	715	785	850	131	104	75	71	70
Water heaters, gas	2,365	2,748	2,666	2,672	2,715	-------	149	267	267	217
Electric housewares	34,384	44,845	49,602	56,905	63,716	784	1,010	1,055	1,113	1,212
Bed coverings	800	1,460	3,335	4,300	4,600	32	45	77	81	86
Can openers, and can opener-knife sharpeners	-------	-------	1,200	1,800	2,300	-------	-------	28	29	33
Clocks	8,100	7,200	8,300	8,955	9,355	54	50	58	73	75
Coffee makers, automatic	900	3,675	4,695	4,600	5,184	25	72	94	84	96
Corn poppers	-------	780	780	840	868	-------	4	4	4	5
Fryers, and frypan-skillets	[1] 500	4,585	2,745	2,922	2,395	[1] 12	84	49	49	42
Griddles, automatic	-------	-------	275	285	275	-------	-------	6	6	5
Hair dryers, with bonnets	-------	-------	-------	3,000	6,500	-------	-------	-------	60	111
Heating pads	1,725	1,980	2,575	2,700	2,836	12	12	15	16	16
Hotplates	1,160	950	565	535	425	9	7	5	5	4
Irons	6,880	7,930	6,410	7,280	8,200	97	113	92	104	116
Steam	1,645	4,995	4,440	5,550	5,985	30	84	73	88	95
Other	5,235	2,935	1,970	1,730	2,215	68	29	18	16	20
Mixers, food, and blenders	2,070	3,645	3,700	3,751	4,315	78	118	89	82	93
Polishers, floor	240	375	1,024	1,029	1,022	14	20	44	43	42
Sharpeners, knife	-------	-------	565	510	535	-------	-------	8	8	9
Shavers	2,150	4,750	5,950	6,500	6,700	51	121	101	110	98
Toasters, automatic	3,795	3,250	3,345	3,750	3,645	76	59	60	61	57
Vacuum cleaners	3,529	3,270	3,313	3,283	3,713	280	286	311	283	306
Waffle irons and sandwich grills	2,535	995	825	865	848	43	19	16	16	17
Heating and cooling	4,581	8,637	8,617	9,478	10,006	164	648	709	685	724
Air conditioners, room	201	1,276	1,580	1,500	1,580	63	383	435	389	411
Dehumidifiers	45	96	375	375	390	6	12	40	37	37
Fans	3,220	5,585	4,672	5,233	5,666	79	203	170	187	202
Desk and bracket	2,450	2,525	1,200	1,240	1,150	42	50	23	23	21
Kitchen exhaust, built-in	495	860	1,020	925	1,122	18	30	31	26	30
Range hood	-------	-------	610	1,050	1,215	-------	-------	34	62	70
Window ventilating	-------	1,645	1,337	1,275	1,315	-------	82	57	45	46
Other	275	555	505	743	864	19	41	26	32	35
Heaters	1,115	1,680	1,990	2,370	2,370	15	50	65	72	74
Fan-forced and fan htr. portable	1,115	880	945	1,050	1,165	15	17	21	24	28
Non-fan-forced portable		270	285	370	225		6	6	7	4
Wall type	-------	530	760	950	980	-------	26	38	42	42
Consumer electronics	17,313	18,013	21,426	22,567	24,135	2,669	-------	2,266	2,331	2,411
Phonographs and record players	-------	2,627	4,523	3,989	4,030	-------	-------	608	586	721
Single players	-------	2,234	3,681	2,979	3,629	-------	154	368	298	337
Phono-radio combinations	-------	393	842	1,010	1,301	-------	-------	240	288	384
Radio, production	9,849	7,269	10,695	11,806	12,000	434	233	314	362	335
Home and clock radios	[2] 8,175	5,242	6,160	6,059	6,248	[2] 383	162	155	161	168
Portable radios	1,675	2,028	4,535	5,747	5,752	51	71	159	201	167
Television, production	7,464	7,757	5,708	6,178	6,485	2,235	1,745	1,269	1,293	1,247
Table-portable	2,942	4,440	3,274	3,812	4,348	-------	-------	589	667	707
Console	3,820	3,200	2,211	2,135	1,849	-------	-------	579	534	425
Phono-combinations	702	117	223	230	288	-------	-------	101	92	115
Recorders, magnetic	-------	360	500	600	720	-------	54	75	90	108
Other appliances:										
Lawn mowers, power	1,080	2,750	3,800	3,500	4,000	100	237	285	254	280
Water softeners	205	403	398	267	288	-------	93	120	-------	-------
Lamp bulbs and tubes [3]	2,007	2,479	2,921	2,926	3,132	466	724	1,110	1,139	1,217
Fluorescent	88	95	132	134	150	96	145	238	240	265
Large incandescent	934	1,009	1,170	1,191	1,235	205	300	465	490	510
Photo	229	525	517	547	590	37	79	97	104	111
Other	756	850	1,102	1,054	1,157	129	200	311	305	331

[1] Fryers only. [2] Home radios only. [3] In millions of units.

Source: *Electrical Merchandising Week*, January 1963. Published by McGraw-Hill Publishing Co., Inc., New York, N.Y.

No. 1147. Electrical Machinery and Related Products—Value of Shipments: 1947 to 1961

[**In millions of dollars.** Beginning 1959, includes Alaska and Hawaii. Figures for 1950 and 1955 are based on sample and subject to sampling variation; see Technical Note, p. 773]

PRODUCT	1947	1950	1955	1958	1959	1960	1961
Carbon and graphite products	69	100	152	157	195	187	186
Electric lamps (bulbs)	192	243	337	394	470	490	483
Electrical appliances:							
Electric fans (except industrial type)	49	60	75	77	68	76	70
Household water heaters	60	64	49	57	54	50	49
Small household electric appliances (except fans) [1]	249	306	426	413	459	471	502
Household ranges and parts	132	218	224	204	256	240	242
Electrical equipment for internal combustion engines	337	487	700	604	770	772	760
Electrical hearing aids	17	23	32	40	47	49	50
Electrical measuring instruments	156	150	399	588	719	788	774
Electrical welding apparatus	108	110	212	233	279	283	253
Electronic tubes:							
Transmitting and industrial type tubes, except X-ray tubes	25	(2)	181	225	258	256	291
Radio and TV receiving-type tubes, except cathode ray	87	198	359	337	336	307	264
Cathode ray tubes (TV receiver type)	7	(2)	205	177	212	213	229
Motors and generators	856	888	1,342	1,291	1,423	1,486	1,398
Phonograph records	102	85	80	136	142	149	146
Primary batteries (dry and wet) including parts and supplies	78	95	121	136	158	160	170
Radios and related products:							
Household radio receivers, television sets, radio phonographs, phonographs, and record players	810	1,687	1,508	1,276	1,295	1,223	1,279
Commercial radio communications, radio navigation aids, and broadcast equipment	225	269	1,167	1,574	2,106	2,347	2,570
Electronic components and accessories, n.e.c.[3]	349	697	1,061	1,481	1,878	2,156	2,284
Storage batteries	293	319	365	361	401	414	414
Switchgear and switchboard apparatus	361	332	663	891	959	951	953
Transformers	327	405	623	638	707	721	702
Wiring devices and supplies	376	492	698	851	984	939	950
X-ray and therapeutic apparatus [4]	58	48	(2)	73	78	88	93

[1] Prior to 1958, includes dry shavers (electric razors) and soldering irons.
[2] Withheld because the estimate did not meet publication standards.
[3] Prior to 1958, data exclude solid state semi-conductor devices, electron tube parts, and phonograph needles and include loudspeakers, speaker systems and horns, microphones, chassis for home-type radio and TV receivers, and connectors for electronic application.
[4] 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* and *U.S. Census of Manufactures: 1958*, and *Current Industrial Reports*.

No. 1148. Exports of Electric Home Appliances—Number: 1940 to 1962

[**In thousands.** Includes exports of Alaska, Hawaii, and Puerto Rico to foreign countries. Includes shipments under foreign aid programs; beginning 1950, also includes civilian supply shipments]

PRODUCT	1940	1945	1950	1955	1958	1959	1960	1961	1962
Vacuum cleaners	10	1	20	69	105	129	103	104	88
Clocks	87	27	315	212	177	164	124	194	170
Irons	163	54	241	170	222	265	225	317	302
Radios and televisions	558	39	423	388	485	399	322	493	516
Refrigerators [1]	102	7	200	361	371	323	282	242	218
Washing machines	30	1	53	83	88	103	95	94	89
Ranges	7	1	6	34	20	13	10	9	9

[1] Includes home freezers in 1950; beginning 1955, includes farm and home freezers.

Source: Department of Commerce, Bureau of the Census; 1940 and 1945, *Foreign Commerce and Navigation of the United States*; thereafter, *Quarterly Summary of Foreign Commerce of the United States*, and records.

No. 1149. Machinery (Except Electrical)—Value of Shipments of Selected Classes of Products: 1947 to 1961

[**In millions of dollars.** Excludes Alaska and Hawaii. Figures for 1950 and 1955 based on sample and subject to sampling variation; see Technical Note, p. 773. "N.e.c." means not elsewhere classified]

CLASS OF PRODUCT	1947	1950	1955	1958	1959	1960	1961
Ball and roller bearings and components	353	450	674	637	905	836	800
Commercial laundry, dry-cleaning, and pressing machines [1]	93	77	87	107	124	120	127
Computing machines and cash registers [1]	302	350	582	965	1,044	1,324	1,435
Construction machinery, except tractors	932	974	1,456	1,365	1,568	1,451	1,439
Mining machinery				275	337	338	285
Conveyors	234	241	419	334	342	367	346
Cutting tools, jigs, fixtures, etc	675	836	[2]	1,750	2,011	2,286	2,023
Domestic laundry equipment	434	532	733	720	802	695	660
Elevators and moving stairways [1]	96	102	131	165	187	205	197
Fabricated pipe and fittings made from purchased pipe	110	[2]	210	205	247	224	235
Farm machinery (except tractors)	844	1,052	1,128	1,514	1,594	1,449	1,462
Food-products machinery	335	324	383	400	436	462	467
Heat exchangers and steam condensers	53	77	124	187	151	146	157
Household mechanical refrigerators, incl. electric and gas	515	925	713	551	677	624	613
Industrial fans and blowers, including parts	130	130	274	253	247	269	271
Industrial furnaces and ovens	85	72	159	185	197	215	185
Industrial trucks, tractors, trailers, and stackers [1]	157	166	312	277	375	389	346
Internal combustion engines, exc. automotive and aircraft [3]	617	n.a.	n.a.	1,116	1,319	1,215	1,118
Mechanical power-transmission equipment	426	464	700	623	739	711	716
Mechanical stokers [4]	36	19	16	14	n.a.	n.a.	n.a.
Office and store machines n.e.c.	179	208	271	214	225	247	218
Oil and gas field machinery and tools, incl. drilling equipment	263	333	647	496	566	507	497
Paper-industries machinery [1]	135	115	207	280	300	348	334
Printing-trades machinery and equipment [1]	191	201	248	271	299	350	364
Pumps and compressors	520	504	924	1,002	1,072	1,107	1,123
Scales and balances [1]	51	53	67	71	75	66	66
Sewing machines [4]	97	171	126	98	126	130	136
Steam engines and turbines	119	223	380	754	640	623	585
Textile machinery [1]	380	429	384	322	400	494	490
Tractors [1]	744	1,098	1,331	1,376	1,478	1,142	1,201
Typewriters [1]	140	130	164	184	208	209	210
Vacuum cleaners	151	167	176	156	162	161	152
Valves and fittings (except plumbing)	549	712	1,087	1,183	1,310	1,302	1,314
Woodworking machinery	151	137	185	174	187	176	167

n.a. Not available.
[1] Includes parts and attachments.
[2] Withheld because the estimate did not meet publication standards.
[3] Represents shipments to other companies only.
[4] Includes parts and attachments (except cases and cabinets, and sewing machine needles).

Source: Department of Commerce, Bureau of the Census; *Annual Survey of Manufactures, U.S. Census of Manufactures: 1958,* and *Current Industrial Reports.*

No. 1150. Air-Conditioning and Refrigeration Equipment—Shipments: 1950 to 1961

[**Value figures in thousands of dollars.** Excludes Alaska and Hawaii. Represents manufacturers' billing prices for units actually billed and shipped]

PRODUCT	1950		1955		1960		1961	
	Number	Value	Number	Value	Number	Value	Number	Value
Condensing units	885,913	75,833	589,335	71,067	635,630	62,573	567,795	58,452
Ammonia refrigerants	245	352	84	154				
Refrigerants except ammonia	885,668	75,481	589,251	70,913	635,630	62,573	567,795	58,452
Air-cooled	835,239	59,035	523,200	46,050	596,518	46,516	532,482	44,321
Water-cooled	50,429	16,446	66,051	24,863	39,112	16,057	35,313	14,131
Compressors and compressor units	954,368	46,977	2,554,031	116,917	4,427,414	211,392	4,144,941	185,443
Centrifugal-refrigeration systems	382	12,249	818	25,732	1,422	37,924	1,549	38,603
Heat-transfer equipment		61,337		114,064		150,643		150,241
Evaporative condensers	7,818	8,869	5,883	9,597	4,209	8,944	3,557	8,272
Unit coolers	133,300	24,588	97,034	15,053	133,096	16,207	103,293	14,750
Other heat-exchanger equipment		27,880		89,414		125,492		127,219
Packaged air-conditioning equipment		n.a.		369,862		498,278		484,041
Ice-making machines	14,914	8,907	31,521	16,369	55,466	28,974	57,651	28,407

n.a. Not available.
Source: Department of Commerce, Bureau of the Census; *Current Industrial Reports,* Series M35M.

No. 1151. Machine Tools (Metal Cutting and Metal Forming)—Shipments, by Major Types: 1955 to 1961

[**Value in millions of dollars.** Excludes Alaska and Hawaii. 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	1955		1959		1960		1961	
	Number	Value	Number	Value	Number	Value	Number	Value
Total		961		680		778		764
Metal cutting type		666		469		539		531
Boring machines	2,122	77	1,604	46	1,523	47	1,390	52
Broaching machines	395	14	132	5	176	6	153	7
Drilling machines		54	24,068	33	22,175	39	22,778	37
Gear cutting and finishing machines	1,749	37	991	25	1,243	34	1,238	36
Grinding and polishing machines (exc. gear tooth grinding, honing, lapping, and buffing)	60,763	124	57,723	94	53,360	117	47,873	121
Lathes	23,266	153	19,889	119	18,176	135	16,114	126
Milling machines	11,665	90	13,631	73	14,115	79	13,272	74
Planers	120	8	40	3	41	3	76	5
Shapers (except gear shapers)	703	5	492	2	543	3	467	2
All other metal cutting machine tools		105		69		75		71
Metal forming type		295		211		238		233
Presses, including forging (power)	20,712	171	13,836	83	12,529	104	10,785	110
Presses, manual	n.a.	n.a.	11,658	1	10,410	1	10,811	1
Forging machines (except presses)	985	16	579	18	682	21	566	16
Punching and shearing machines, power	3,956	28	6,441	30	5,907	33	5,481	33
Punching and shearing machines, manual	4,424	1						
Bending and forming machines, power	6,814	33	13,198	36	13,227	34	12,959	32
Bending and forming machines, manual	13,811	3						
Riveting machines	4,849	6	2,500	4	2,269	4	1,873	3
Metal container making machines	1,503	18	1,476	18	1,255	17	989	13
Die casting machines	334	9	199	7	181	6	191	8
Wire weaving and wire fabricating machines	876	5	546	4	659	4	478	5
Drawing machines and draw benches	414	6	445	6	390	11	386	8
All other metal forming machine tools	n.a.	n.a.	2,443	4	2,122	3	2,182	4

n.a. Not available.

Source: Department of Commerce, Bureau of the Census; *Current Industrial Reports*, Series M35W.

No. 1152. Farm Machines and Equipment—Shipments, by Class: 1947 to 1961

[**In thousands of dollars.** Excludes Alaska and Hawaii. Excludes tractors]

Class	1947	1950	1955	1959	1960	1961
Total	758,326	1,001,758	912,157	1,129,576	1,001,928	995,375
Farm machines and equipment (complete units)	583,776	817,241	727,342	902,186	799,132	791,627
Attachments and parts	174,550	184,517	184,815	227,390	202,796	203,748
COMPLETE UNITS, ATTACHMENTS, AND PARTS						
Plows and listers	83,529	100,326	66,417	77,455	60,811	63,209
Harrows, rollers, pulverizers, and stalk cutters	57,423	77,716	74,706	103,343	85,581	82,566
Planting, seeding, and fertilizing machinery	73,977	113,053	89,098	110,662	99,075	95,725
Cultivators and weeders	50,363	57,253	52,640	51,162	51,288	47,016
Sprayers and dusters	39,556	36,779	38,254	45,236	44,554	40,709
Harvesting machinery	191,570	288,153	243,561	343,808	323,862	308,942
Haying machinery	94,865	154,979	168,447	163,654	140,351	123,998
Machines for preparing crops for market or for use	42,013	30,552	33,070	41,411	37,631	48,344
Farm poultry equipment	20,602	30,127	28,429	33,422	29,081	36,137
Farm dairy machines and equipment	31,415	22,969	19,260	22,031	20,229	25,244
Barn equipment	11,802	11,300	12,405	22,788	19,437	20,803
Barnyard equipment	8,808	17,777	18,381	33,891	25,135	37,421
Farm elevators and blowers	16,389	34,671	38,251	37,369	28,191	27,117
Farm wagons, trucks, and other farm transportation equipment	36,014	26,103	29,238	43,344	36,702	38,144

Source: Department of Commerce, Bureau of the Census; *Current Industrial Reports*, Series M35A.

No. 1153. Farm Machines and Equipment—Shipments: 1945 to 1961

[In millions of dollars. Excludes Alaska and Hawaii. Excludes tractors. Data prior to 1947 represent sales]

YEAR	Total	Complete units	Attachments and parts	YEAR	Total	Complete units	Attachments and parts	YEAR	Total	Complete units	Attachments and parts
1945	437	313	124	1951	1,219	987	232	1957	896	711	185
1946	534	401	133	1952	1,104	888	216	1958	1,075	850	225
1947	758	584	175	1953	1,003	800	203	1959	1,130	902	227
1948	991	787	205	1954	[1] 883	670	193	1960	1,002	799	203
1949	998	796	202	1955	912	727	185	1961	995	792	204
1950	1,002	817	185	1956	854	668	185				

[1] Includes $20,611,000 not segregated between complete units and attachments and parts.

Source: Department of Commerce, Bureau of the Census; *Current Industrial Reports*, Series M35A.

No. 1154. Tractors and Tractor Attachments and Parts—Domestic Shipments and Exports, by Type: 1950 to 1961

[Value in thousands of dollars. Excludes Alaska and Hawaii. Excludes contractors' off-highway wheel tractors. See table 1155]

YEAR AND TYPE	Total value	Complete units				Attachments and parts (value)	
		Domestic		Export		Domestic	Export
		Number	Value	Number	Value		
Total:							
1950	n.a.	603,269	632,837	93,010	162,425	n.a.	n.a.
1955	1,234,697	504,930	698,937	63,032	203,237	n.a.	n.a.
1959	1,372,622	566,698	743,159	46,814	163,469	n.a.	n.a.
1960	1,242,570	563,705	568,809	49,257	227,339	363,849	82,573
1961	1,290,868	542,496	627,286	(1)	199,566	337,540	126,476
Wheel:							
1950	n.a.	424,398	461,103	73,454	88,423	n.a.	n.a.
1955	641,195	286,170	449,869	40,277	68,862	107,980	14,484
1959	737,712	226,788	485,004	25,529	61,445	176,373	14,890
1960	511,247	137,184	307,785	18,857	49,773	142,765	10,924
1961	601,773	153,230	379,673	18,529	49,865	157,218	15,017
Tracklaying: [2]							
1950	360,437	29,167	150,205	15,433	73,282	97,115	39,835
1955	556,764	31,036	225,831	17,855	133,612	n.a.	n.a.
1959	582,705	24,584	222,449	9,528	100,503	n.a.	n.a.
1960	495,156	14,462	144,817	9,998	125,014	166,755	58,570
1961	445,314	12,422	139,532	7,646	98,090	123,869	83,823
Tracklaying tractor—shovel loaders:							
1960	176,664	8,300	72,281	4,398	50,798	41,309	12,276
1961	172,171	5,053	56,161	3,804	49,622	39,854	26,534
Garden:							
1950	32,460	149,704	21,529	4,123	720	9,857	354
1955	36,738	187,724	23,237	4,900	763	12,080	658
1959	52,205	315,326	35,706	11,757	1,521	14,108	870
1960	59,503	403,759	43,926	16,004	1,754	13,020	803
1961	71,610	371,791	51,920	(1)	1,989	16,599	1,102

n.a. Not available.

[1] Withheld to avoid disclosing figures for individual companies.

[2] Prior to 1959, includes tractors produced as integral units of tractor-shovel loaders; figures for 1959 exclude total of 9,914 such tractors. For 1960 and 1961 tractor-shovel loaders are shown separately.

Source: Department of Commerce, Bureau of the Census; *Current Industrial Reports*, Series M35A and M35S.

No. 1155. Contractors' Off-Highway Wheel Tractors and Attachments and Parts—Shipments: 1950 to 1961

[Value in thousands of dollars. Excludes Alaska and Hawaii]

YEAR	Total value	Complete units		Attachments and parts (value)
		Number	Value	
1950	n.a.	2,065	24,769	n.a.
1955	96,146	4,144	64,173	31,973
1957	147,162	5,417	104,112	43,050
1958	120,840	4,088	85,480	35,360
1959	121,225	4,065	91,944	29,281
1960	90,076	3,078	64,965	25,111
1961	99,772	3,285	74,466	25,306

n.a. Not available.

Source: Department of Commerce, Bureau of the Census; *Current Industrial Reports*, Series M35D.