29. Construction and Housing

Construction.—Monthly estimates of the value of work put in place are probably the most widely used of the current Federal statistics on construction. These estimates are prepared jointly by the Department of Commerce and the Bureau of Labor Statistics. Estimates of private nonresidential construction activity are primarily the responsibility of the Department of Commerce. Publicly financed construction of all types and housing construction activity are primarily the responsibilities of the Bureau of Labor Statistics.

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

A considerable number of Federal agencies administer construction programs or award contracts for construction; some of them engage in construction themselves. In this field, construction activity data are derived by the Bureau of Labor Statistics from the reports of the respective Federal agencies. Data on other State and local governmental construction activity are obtained from F. W. Dodge Corporation and Engineering News Record reports.

Estimates of residential construction activity, including number of housing units started, average construction costs, and number of units per structure, are based primarily upon reports of building permits granted which are received from approximately 4,000 permit-granting authorities. Field surveys on a sample basis are used to obtain data on construction activity in nonpermit areas. Sample field surveys are also conducted in permit areas to determine such factors as the proportion of permits allowed to lapse, the time lag between the grant of the permit and the date of start, the relationship between permit valuation and contract valuation, and the length of the building period. During 1946 and 1947 these national figures on housing units started and on average construction costs were supplemented by national data on units completed and by corresponding data for each of 60 local areas. The current program of the Bureau of Labor Statistics provides monthly estimates of the number of housing starts in the nation as a whole, but the series on completions and the local area data have been discontinued.

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

Housing.—The first national Census of Housing was taken in 1940 by the Bureau of the Census as part of the Sixteenth Decennial Census and provided comprehensive data on housing characteristics. (See tables 896–906, 908.) In contrast, collection of current statistics on housing places emphasis upon data directed toward the administrative needs of specific programs. Data on housing characteristics, roughly comparable to those collected in the 1940 Census of Housing, were collected in April 1947 and May 1948 by the Bureau of the Census in its current population survey.

Data on home mortgages and foreclosures are provided by the Home Loan Bank Board. The Federal Housing Administration compiles data on its real estate financial operations, such as volume of mortgages insured, type of lending institution, etc.

Historical statistics.—In this section, tabular headnotes (as "See also *Historical Statistics*, series H 1–25") provide cross-references, where applicable, to *Historical Statistics of the United States, 1789–1945.* In that historical supplement to the *Statistical Abstract*, statistics are carried back year by year as far as possible. See also the historical appendix of the present issue of the *Abstract* for specific titles of series and the earliest year shown in the supplement.

No. 876.—Construction in the United States—Estimated Expenditures for Private and Public Construction: 1932 to 1949

[Represents value of work put-in-place during year; consequently differs from building permit and construction contract data which measure value of work started. In addition, coverage generally broader than permit and contract data. Includes value and cost of installation of equipment which is integral part of structure, but not that of machinery, shipbuilding, or land costs. See also *Historical Statistics*, series H 1-25. Revisions of these statistics by Office of Domestic Commerce were in process at time this table was sent to press]

[In millions of dollars]

TYPE OF CONSTRUCTION	1932	1933	1934	1935	1936	1937	1938	1939	1940
Total	5,684	4,782	5,976	6,483	9,392	9,845	9,873	10,938	11,600
New construction, total	3,290	2,376	2,805	3,230	4,836	5,487	5,186	6,307	7,042
Private, total	1,467	1,012	1,235	1,676	2,550	3,390	3,076	3,808	4,390
Residential (excl. farm)[1]	462	278	361	665	1,131	1,372	1,511	2,114	2,355
Nonresidential building	490	404	455	472	712	1,088	764	785	1,028
Industrial[2]	74	176	191	158	266	492	232	254	442
Warehouses, office and loft bldgs	110	41	62	70	104	128	89	76	85
Stores, restaurants and garages	106	86	107	136	179	250	190	211	257
Other nonresidential	209	101	95	108	163	218	253	244	244
Farm construction	39	69	93	176	189	225	196	226	236
Residential	26	43	54	96	104	118	104	120	127
Nonresidential	13	26	39	80	85	107	92	106	109
Public utility	467	261	326	363	518	705	605	683	771
Railroad	139	94	128	116	149	199	119	137	167
Telephone and telegraph	87	45	47	52	67	102	92	93	122
Other public utility	241	122	151	195	302	404	394	453	482
Public, total	1,823	1,364	1,570	1,554	2,286	2,097	2,110	2,490	2,652
Residential	------	------	1	9	61	93	35	65	200
Nonresidential building	392	205	286	278	604	470	568	859	556
Industrial[2]	(2)	2	11	2	4	2	12	23	164
Educational	123	43	110	130	323	221	266	418	132
Hospital and institutional	78	43	41	31	63	62	83	114	50
Other nonresidential	191	117	124	115	214	185	207	304	210
Military and naval	34	36	47	37	20	37	62	125	385
Highway	961	809	826	709	927	902	858	867	882
Sewer and water	156	81	116	137	208	174	179	162	194
Misc. public service enterprises	135	61	41	59	111	101	94	91	90
Conservation and development	139	168	245	317	339	310	299	310	310
All other public	6	4	8	8	7	10	15	20	35
Work relief	------	161	658	490	1,359	924	1,403	1,189	918
Maintenance and repair	2,394	2,245	2,513	2,763	3,197	3,434	3,284	3,442	3,640

TYPE OF CONSTRUCTION	1941	1942	1943	1944	1945	1946	1947	1948	1949
Total	15,196	17,757	12,005	8,636	9,782	16,354	21,765	26,810	27,929
New construction, total	10,490	13,412	7,784	4,136	4,808	10,464	14,324	18,775	19,329
Private, total	5,426	3,007	1,744	1,823	2,716	8,253	11,179	14,563	14,059
Residential (excl. farm)[1]	2,765	1,315	650	535	684	3,183	5,260	7,223	7,025
Nonresidential building	1,486	635	232	350	1,014	3,346	3,131	3,578	3,178
Industrial	801	346	156	208	642	1,689	1,702	1,397	974
Warehouses, office and loft bldgs	114	57	13	16	52	309	216	323	294
Stores, restaurants and garages	286	93	19	39	147	801	619	901	707
Other nonresidential	285	139	44	87	173	547	594	957	1,203
Farm construction	303	271	292	213	191	350	450	500	450
Residential	174	144	185	136	116	212	250	275	250
Nonresidential	129	127	107	77	75	138	200	225	200
Public utility	872	786	570	725	827	1,374	2,338	3,262	3,406
Railroad	187	197	211	247	264	258	318	379	389
Telephone and telegraph	179	155	61	83	117	305	510	713	575
Other public utility	506	434	298	395	446	811	1,510	2,170	2,442
Public, total	5,064	10,405	6,040	2,313	2,092	2,211	3,145	4,212	5,270
Residential	430	545	700	190	71	369	186	85	215
Nonresidential building	1,584	3,653	1,805	638	652	325	505	1,057	1,665
Industrial	1,280	3,437	1,668	507	470	84	25	20	5
Educational	135	116	62	41	59	101	275	567	850
Hospital and institutional	34	32	43	58	85	85	81	219	455
Other nonresidential	135	68	32	32	38	55	124	251	355
Military and naval	1,620	5,016	2,550	837	690	188	204	137	120
Highway	800	616	420	346	386	778	1,300	1,585	1,670
Sewer and water	168	139	102	79	97	194	331	481	570
Misc. public service enterprises	63	36	43	46	55	87	117	108	95
Conservation and development	354	350	285	163	130	240	386	597	745
All other public	45	50	135	14	11	30	116	162	190
Work relief	711	330	38	------	------	------	------	------	------
Maintenance and repair	3,995	4,015	4,183	4,500	4,974	5,890	7,441	8,035	8,600

[1] Estimates of new private nonfarm residential construction prepared by Bureau of Labor Statistics.
[2] Public industrial building not separable from private construction in 1932.

Source: Estimates of new construction for 1939-49 are joint estimates of Dept. of Commerce, Office of Domestic Commerce, and Dept. of Labor, Bureau of Labor Statistics; other data except as indicated in note 1, are estimates of Office of Domestic Commerce. Current estimates are published monthly in the Industry Report on Construction and Construction Materials and in the Survey of Current Business.

No. 877.—Building Construction in All Urban Areas—Value, by Class of Construction and by Source of Funds: 1948 and 1949

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

Class of construction	Total		Non-Federal		Federal [1]	
	1948	1949	1948	1949	1948	1949
All building construction	6,971,576	7,379,899	6,597,736	6,729,826	373,840	650,073
New buildings	5,967,027	6,443,054	5,618,689	5,816,828	348,338	626,226
Residential buildings [1]	3,600,297	4,042,361	3,460,971	3,756,942	139,326	285,419
1-family dwellings	2,753,208	2,846,844	2,745,219	2,839,222	7,989	7,622
2-family dwellings [2]	187,810	142,166	181,493	132,332	6,317	9,834
Multifamily dwellings [3]	621,245	1,013,624	496,225	745,661	125,020	267,963
Nonhousekeeping buildings	38,034	39,727	38,034	39,727	----------	----------
Nonresidential buildings	2,366,730	2,400,693	2,157,718	2,059,886	209,012	340,807
Amusement buildings	98,357	99,000	98,357	99,000	----------	----------
Churches	160,551	180,201	160,551	180,201	----------	----------
Factories and workshops	299,286	202,441	299,286	202,441	----------	----------
Public garages	77,339	47,439	77,339	47,439	----------	----------
Private garages	91,871	90,628	91,871	90,628	----------	----------
Service stations	29,823	40,940	29,823	40,940	----------	----------
Institutions	303,502	386,240	115,808	129,161	187,694	257,079
Office buildings	134,298	124,619	134,298	124,619	----------	----------
Public buildings	74,414	150,075	54,546	68,349	19,868	81,726
Public works and utilities	148,681	159,642	148,681	159,642	----------	----------
Schools and libraries	324,548	438,934	323,098	436,932	1,450	2,002
Sheds, stables and barns	13,798	10,537	13,798	10,537	----------	----------
Stores and warehouses	586,734	439,266	586,734	439,266	----------	----------
All other	23,528	30,731	23,528	30,731	----------	----------
Additions, alterations and repairs	1,004,549	936,845	979,047	912,998	25,502	23,847

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

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

No. 878.—Construction Projects Financed Wholly or Partially From Federal Funds—Value of Contracts Awarded and Force Account Work Started: 1935 to 1949

[In thousands of dollars. Covers continental U. S. only, excluding unknown value of some secret work]

Type of project	1935	1939	1941	1943	1945	1947	1948	1949
Total	1,478,073	1,586,604	5,931,536	2,506,786	902,265	1,298,015	1,722,157	1,934,869
Airport construction [1]	(2)	4,753	499,427	243,443	41,219	25,075	55,577	49,317
Building construction:								
Residential	[3] 7,833	231,071	322,248	375,471	53,133	51,309	8,355	30,317
Nonresidential	434,949	438,151	4,099,883	1,322,608	563,868	227,389	350,454	606,370
Electrification [4]	5,497	29,775	4,125	12,299	4,608	7,157	22,887	24,280
Reclamation	158,027	115,612	41,880	101,270	30,765	75,483	147,732	188,883
River, harbor, and flood control	280,698	109,811	157,804	54,467	41,385	232,212	347,139	312,754
Streets, roads, and highways [5]	381,037	355,701	446,903	161,852	100,969	659,645	767,460	690,469
Water and sewerage	136,243	118,131	23,672	37,694	23,020	8,176	5,036	6,157
Miscellaneous [6]	73,789	183,599	335,594	197,682	43,298	11,569	17,517	26,322

[1] Exclusive of hangars and other buildings.
[2] Included in miscellaneous.
[3] Includes nonresidential construction at site of 3 Resettlement Administration projects for which breakdown of residential and nonresidential costs is not available.
[4] Excludes loans granted by Rural Electrification Administration.
[5] Includes work under jurisdiction of Bureau of Public Roads.
[6] Includes forestry and railroad construction and repair projects.

Source: Department of Labor, Bureau of Labor Statistics; current data published in *Monthly Labor Review*.

No. 879.—New Permanent Dwelling Units Started in Nonfarm Areas, by Type: 1920 to 1949

[Figures are estimates covering construction of all new permanent family dwelling units in nonfarm area of United States, based upon building-permit reports, and from 1946, on building-permit information, supplemented by data from field surveys in non-permit-issuing places. This area consists of all urban and rural nonfarm places. Urban designation is applied to all incorporated places with a population of 2,500 or more in 1940, and, by special rule, to a small number of unincorporated civil divisions. Rural nonfarm construction includes all construction for nonagricultural use in unincorporated areas and incorporated places of less than 2,500 population. Hence, urban construction is classified by location, whereas rural nonfarm construction is classified according to the intended use of individual buildings. The series published formerly in the Statistical Abstract included temporary as well as permanent dwelling units from 1941. The official series of the Bureau of Labor Statistics now excludes temporary units, as such units do not add to the country's lasting inventory of housing. See also *Historical Statistics*, series H 40-45; data for 1941-1945 presented here do not agree with those shown in historical volume because the latter include temporary units for those years]

Year	Total nonfarm	Area [1]		Type of dwelling		
		Urban	Rural nonfarm	1-family	2-family [2]	Multifamily [3]
1920	247,000	196,000	51,000	202,000	24,000	21,000
1921	449,000	359,000	90,000	316,000	70,000	63,000
1922	716,000	574,000	142,000	437,000	146,000	133,000
1923	871,000	698,000	173,000	513,000	175,000	183,000
1924	893,000	716,000	177,000	534,000	173,000	186,000
1925	937,000	752,000	185,000	572,000	157,000	208,000
1926	849,000	681,000	168,000	491,000	117,000	241,000
1927	810,000	643,000	167,000	454,000	99,000	257,000
1928	753,000	594,000	159,000	436,000	78,000	239,000
1929	509,000	400,000	109,000	316,000	51,000	142,000
1930	330,000	236,000	94,000	227,000	29,000	74,000
1931	254,000	174,000	80,000	187,000	22,000	45,000
1932	134,000	64,000	70,000	118,000	7,000	9,000
1933	93,000	45,000	48,000	76,000	5,000	12,000
1934	126,000	49,000	77,000	109,000	5,000	12,000
1935	221,000	117,000	104,000	183,000	8,000	30,000
1936	319,000	211,000	108,000	244,000	14,000	61,000
1937	336,000	218,000	118,000	267,000	16,000	53,000
1938	406,000	262,000	144,000	317,000	18,000	71,000
1939	515,000	359,000	156,000	399,000	29,000	87,000
1940	603,000	397,000	206,000	486,000	37,000	80,000
1941	706,100	434,300	271,800	603,500	34,300	68,300
1942	356,000	227,400	128,600	292,800	20,100	43,100
1943	191,000	124,400	66,600	143,600	17,800	29,600
1944	141,900	96,200	45,700	117,700	10,600	13,600
1945	209,300	133,900	75,400	184,600	8,800	15,900
1946	670,500	403,600	266,900	590,000	24,300	56,200
1947	849,000	479,800	369,200	740,200	33,900	74,900
1948	931,000	524,900	406,700	766,600	46,900	118,100
1949	1,025,100	588,800	436,300	794,300	36,500	194,300

[1] Urban and rural nonfarm classification for years 1920-29 are based on 1930 Census; for years 1930-49, on 1940 Census.
[2] Includes 1- and 2-family dwellings with stores.
[3] Includes multifamily dwellings with stores.

Source: 1920-29, National Bureau of Economic Research; 1930 and later years, Department of Labor, Bureau of Labor Statistics. Annual and current data are published in monthly releases and in the monthly pamphlet, Construction.

No. 880.—Construction Contracts Awarded in 37 States—Value of Construction and Floor Space of Buildings, by Class of Construction: 1927 to 1949

[For State figures, see table 881. Public works and public utilities cover some projects not measurable in terms of floor space, such as highways, pipe lines, subways, etc. Statistics for the 37 States were not compiled for years prior to 1925, but available figures covering a varying number of States for earlier years have been published in the 1932 and previous issues of the *Statistical Abstract*. Figures for the individual States and districts in table 881 represent the value of construction contracts awarded in the States and districts where the work was actually done. See also *Historical Statistics*, series H 51-57]

[Values in millions of dollars; floor space in thousands of square feet]

YEAR	Total	Residential	Commercial [1]	Manufacturing buildings [2]	Public works	Public utilities [1 2]	Educational	Hospital and institutional	Public buildings	Religious	Social and recreational	Miscellaneous nonresidential
VALUE OF CONSTRUCTION												
1927	6,303.1	2,573.3	932.9	375.9	972.9	318.3	368.9	162.5	79.5	156.5	260.9	101.5
1928	6,628.3	2,788.3	884.6	508.8	984.4	417.4	390.0	164.7	76.2	127.9	218.8	67.0
1929	5,750.8	1,915.7	929.2	545.9	940.1	469.6	369.6	152.2	120.8	106.1	146.6	54.9
1930	4,523.1	1,101.3	616.3	256.6	969.6	629.8	366.2	163.1	139.8	92.8	116.6	70.9
1931	3,092.8	811.4	311.1	116.2	880.9	259.9	223.4	121.2	181.3	53.1	98.7	35.8
1932	1,351.2	280.1	122.7	43.5	521.1	62.4	80.7	48.4	118.0	27.3	33.9	13.2
1933	1,255.7	249.3	99.4	127.5	504.5	84.5	38.9	37.3	50.9	17.7	27.2	18.7
1934 [3]	1,543.1	248.8	150.6	116.1	631.6	111.5	112.3	37.3	55.7	18.3	46.2	14.7
1935	1,844.5	478.8	164.5	108.0	589.1	95.7	168.3	47.1	97.8	23.7	54.9	16.0
1936	2,675.3	801.6	249.1	198.0	721.8	192.1	219.0	74.1	102.2	28.3	74.9	14.2
1937	2,913.1	905.3	297.0	313.7	588.7	262.9	223.2	81.8	104.9	36.9	83.8	14.8
1938	3,196.9	985.8	215.8	121.1	850.2	288.8	334.1	115.6	114.1	35.8	108.0	27.7
1939	3,550.5	1,334.3	246.9	174.8	961.7	289.0	201.4	82.9	110.0	38.4	82.2	28.9
1940	4,004.0	1,596.9	318.3	442.4	831.3	281.1	147.2	94.1	80.2	45.7	62.6	104.2
1941	6,007.5	1,953.8	471.2	1,181.5	1,109.3	628.7	140.9	88.5	89.4	52.5	78.1	213.6
1942	8,255.1	1,817.7	302.2	2,227.5	1,302.5	1,238.1	147.9	184.9	101.6	23.5	101.3	807.7
1943	3,274.0	867.8	120.7	766.2	470.6	511.4	62.4	110.7	24.7	7.1	58.2	274.2
1944	1,994.0	348.4	80.8	472.7	429.6	316.6	69.2	59.2	11.9	11.6	32.7	161.3
1945	3,299.3	563.5	346.4	1,027.0	482.6	402.8	100.2	112.6	15.9	34.8	60.3	153.2
1946	7,489.7	3,142.1	773.2	1,317.3	1,194.7	436.6	221.4	130.9	25.1	67.6	92.5	88.3
1947	7,759.9	3,153.8	785.5	941.4	1,344.0	546.4	391.9	192.0	73.1	117.5	122.1	92.2
1948	9,429.6	3,608.0	975.0	839.8	1,627.1	528.0	724.6	404.9	83.5	245.2	232.4	161.0
1949	10,359.2	4,239.4	885.0	558.6	1,778.6	697.4	824.4	554.8	118.9	275.5	222.1	204.7
FLOOR SPACE OF BUILDINGS												
1927	850,578	494,565	141,815	68,131	918	4,535	53,917	18,802	9,943	17,192	33,520	7,240
1928	966,558	568,382	159,192	92,902	609	3,496	61,490	20,004	11,288	15,398	28,012	5,785
1929	791,099	387,670	161,264	105,524	450	5,353	58,639	19,496	12,626	12,818	21,457	5,802
1930	510,382	230,040	96,586	48,019	826	7,611	56,955	19,121	17,023	10,864	16,089	7,248
1931	365,841	190,274	50,037	20,109	496	4,550	36,598	16,880	24,257	5,578	14,018	3,044
1932	155,577	73,607	23,884	9,048	575	1,219	13,710	7,319	16,198	3,518	5,535	964
1933	147,053	72,783	22,551	18,985	170	1,491	5,523	5,598	9,474	2,633	5,606	2,239
1934	152,394	64,255	28,261	17,506	292	1,804	16,775	4,222	9,425	2,650	6,532	612
1935	251,558	135,416	35,391	20,638	915	1,077	26,046	6,176	13,522	3,534	7,909	934
1936	409,676	222,514	57,178	40,291	1,038	3,360	41,985	10,369	14,282	4,312	12,852	1,495
1937	446,084	235,515	62,283	60,816	1,301	5,197	36,489	11,411	12,464	5,730	13,544	1,334
1938	429,028	240,568	41,789	25,246	1,038	1,679	57,022	17,235	15,564	5,303	17,691	5,893
1939	513,380	332,656	48,798	44,268	603	1,319	34,418	11,593	15,121	6,213	12,371	6,020
1940	690,459	420,531	66,588	94,772	330	1,536	24,761	14,401	11,869	7,108	11,909	36,653
1941	956,719	502,676	105,851	187,923	11,647	2,104	24,499	15,394	14,453	8,567	14,761	68,844
1942	1,314,220	449,454	74,079	446,055	13,400	3,837	30,586	34,083	19,806	3,477	23,326	216,117
1943	448,244	200,647	22,171	105,822	1,851	1,090	11,969	19,947	4,754	1,001	12,862	66,130
1944	234,549	73,955	12,490	84,356	1,290	3,748	9,707	7,637	1,999	1,420	5,096	32,769
1945	412,423	111,244	63,197	158,207	1,348	13,701	12,453	11,331	1,858	4,569	8,097	26,423
1946	959,610	516,256	118,563	235,238	919	10,537	25,883	15,245	2,211	8,404	11,292	15,060
1947	831,965	478,713	100,043	142,990	648	3,943	41,042	19,915	6,320	12,282	14,235	11,838
1948	850,651	464,256	100,602	109,693	243	1,046	72,345	35,487	6,184	21,162	21,972	17,664
1949	869,366	520,477	86,446	61,143	14	5,216	79,048	42,076	7,726	24,598	20,992	21,638

[1] Data for airports now included with "Public utilities"; prior to 1930, included with "Commercial."
[2] Data for pipe lines now included with "Public utilities"; prior to 1929, included with "Manufacturing buildings."
[3] Excludes data for 23 Civil Works Program projects, valued at $29,551,900, not available by class of construction.

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

No. 881.—Construction Contracts Awarded in 37 States—Value, by Districts and States: 1942 to 1949

[Value in thousands of dollars. See headnote, table 880]

District and state	1942	1943	1944	1945	1946	1947	1948	1949
Total (37 states)	8,255,061	3,273,990	1,994,016	3,299,393	7,489,722	7,759,868	9,429,618	10,359,250
New England	415,903	190,756	88,778	164,627	563,411	526,097	605,599	643,220
Connecticut	94,175	54,001	23,623	55,313	172,129	167,034	183,686	192,274
Maine	47,967	27,427	6,531	6,816	38,347	24,729	25,974	29,705
Massachusetts	152,946	74,113	39,988	82,895	292,511	264,260	304,173	330,944
New Hampshire	19,344	2,789	3,456	4,704	17,367	23,131	27,845	25,492
Rhode Island	96,466	27,038	13,980	12,121	29,741	29,868	45,983	46,379
Vermont	5,005	4,488	1,200	2,778	13,316	17,075	17,938	18,426
Metrop. N. Y. and No. N. J.	421,722	165,443	156,949	247,454	897,443	968,350	1,111,608	1,440,153
Northern New Jersey	195,810	72,986	103,743	101,618	307,756	299,750	346,460	332,476
Metropolitan New York [1]	225,912	92,457	53,206	145,836	589,687	668,600	765,148	1,107,677
Upstate New York [2]	316,581	77,604	54,612	79,289	269,767	253,333	383,280	428,937
Middle Atlantic	1,167,468	485,371	337,381	458,308	958,407	963,233	1,227,366	1,358,431
Delaware	34,192	15,332	7,837	13,913	17,918	25,231	57,226	51,932
District of Columbia	101,974	33,682	30,382	41,510	61,633	78,948	71,980	128,777
Maryland	228,822	106,942	83,951	101,725	297,933	270,502	326,085	371,813
Southern New Jersey	38,089	39,487	14,157	30,745	71,995	54,809	65,213	75,531
Eastern Pennsylvania	351,385	116,686	93,807	157,784	316,033	342,441	507,304	472,122
Virginia	413,006	173,242	107,247	112,631	192,895	191,302	199,558	258,256
Southeast	1,113,353	703,820	256,159	483,917	1,025,337	939,611	1,115,920	1,232,589
Alabama	204,128	65,493	30,484	50,870	141,245	118,908	128,234	176,354
Florida	290,697	164,556	81,256	106,027	287,847	344,728	392,092	361,983
Georgia	188,641	73,711	42,300	66,759	195,737	149,219	181,531	215,067
North Carolina	170,694	91,438	46,293	80,564	180,286	161,038	188,367	193,873
South Carolina	110,324	52,160	21,784	21,948	119,020	76,651	88,581	101,267
Eastern Tennessee	148,869	256,462	34,042	157,749	101,202	89,067	137,115	184,045
Pittsburgh	252,198	62,975	61,515	91,797	245,649	278,969	358,806	391,058
Western Pennsylvania	182,181	40,654	35,799	60,953	161,577	209,821	256,578	319,132
West Virginia	70,017	22,321	25,716	30,844	84,072	69,148	102,228	71,926
Cleveland (North and East Ohio)	369,341	146,942	99,071	184,027	431,438	383,979	466,597	499,263
Cincinnati	268,437	105,345	46,605	110,110	235,520	243,670	255,387	310,462
Kentucky	169,822	34,954	22,338	45,565	100,582	115,807	119,747	156,016
Southwest Ohio	98,615	70,391	24,267	64,545	134,938	127,863	135,640	154,446
Southern Michigan	260,062	160,769	85,619	173,979	390,318	412,591	478,770	542,129
Chicago	1,035,388	273,449	258,952	509,695	963,007	889,136	1,194,665	1,139,760
Northern Illinois	363,617	119,354	99,007	201,114	426,158	408,970	557,828	504,151
Indiana	403,562	89,772	66,032	184,712	253,837	198,233	244,090	236,055
Iowa	65,255	35,785	33,297	48,792	118,846	95,186	156,793	150,225
Northern Michigan	36,954	908	2,551	2,680	12,254	9,228	19,545	17,779
Southeast Wisconsin	166,000	27,630	58,065	72,397	151,912	177,517	216,409	231,550
St. Louis	510,643	126,918	110,985	214,991	320,689	463,972	500,581	512,815
Arkansas	153,499	44,555	42,251	76,568	88,103	108,283	105,623	101,010
Southern Illinois	186,355	38,597	30,531	46,043	65,597	154,580	145,805	139,903
Eastern Missouri	87,946	20,097	27,800	63,314	105,385	131,466	167,734	191,626
Western Tennessee	82,843	23,669	10,403	29,066	61,604	69,643	81,419	80,276
New Orleans	381,612	121,203	73,481	70,413	119,327	231,356	271,939	315,887
Louisiana	182,789	82,345	52,796	46,312	74,638	151,823	199,217	227,495
Mississippi	198,823	38,858	20,685	24,101	44,689	79,533	72,722	88,392
Minneapolis	251,889	39,695	40,823	83,335	243,648	241,288	299,249	392,873
Minnesota	153,613	18,548	27,967	56,635	170,748	150,349	182,226	207,009
North Dakota	3,445	3,710	4,400	6,703	22,747	37,487	45,685	84,745
South Dakota	36,899	13,090	4,228	7,626	28,381	30,298	39,529	70,256
Northwest Wisconsin	57,932	4,347	4,228	12,371	21,772	23,154	31,809	30,863
Kansas City	652,231	294,432	163,230	162,757	292,252	340,128	443,687	475,273
Kansas	264,352	80,025	67,551	49,511	92,988	118,475	122,978	152,524
Western Missouri	69,500	11,266	16,048	30,080	59,315	53,917	81,051	86,656
Nebraska	158,808	83,150	43,447	38,217	50,025	64,368	99,679	73,507
Oklahoma	159,571	119,991	36,184	44,949	89,924	103,368	139,979	162,586
Texas	838,233	319,268	159,856	264,604	533,509	624,155	716,164	676,400
Totals for States in more than one district:								
Illinois	549,972	157,951	129,538	247,157	491,755	563,550	703,633	644,054
Michigan	297,016	161,677	88,170	176,659	402,572	421,819	498,315	559,908
Missouri	157,446	31,363	43,848	93,394	164,700	185,383	248,785	278,282
New Jersey	233,899	112,473	117,900	132,363	379,751	354,559	411,673	408,007
New York	542,493	170,061	107,818	225,125	859,454	921,933	1,148,428	1,536,614
Ohio	467,956	217,333	123,338	248,572	566,376	511,842	602,237	653,709
Pennsylvania	533,566	157,340	129,606	218,737	477,610	552,262	763,882	791,254
Tennessee	231,712	280,131	44,445	186,815	162,806	158,710	218,534	264,321
Wisconsin	223,932	31,977	62,293	84,768	173,684	200,671	248,218	262,413

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

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

No. 882.—Construction Contracts Awarded—Indexes of Value: 1920 to 1949

[1923-25 average=100. Indexes are derived from monthly figures of construction contracts awarded reported by F. W. Dodge Corporation. Reports covered 37 States beginning with May 1924 and a varying number for earlier years. In order to obtain comparable figures from 1919 to date, total value of construction contracts awarded in 37 States was estimated for January 1919 through April 1924. Seasonal adjustments computed separately for "residential" and "all other" types of construction and the two series combined. Indexes based on a 3-month moving average, centered at middle month. For more detailed description of indexes, see *Federal Reserve Bulletin* for July 1931]

YEAR	Total	Residential	All other	YEAR AND MONTH	Total	Residential	All other	YEAR AND MONTH	Total	Residential	All other
1920	63	30	90	1938	64	45	80	*1948—Con.*			
1921	56	44	65	1939	72	60	81	July	205	187	219
1922	79	68	88	1940	81	72	89	August	201	177	220
1923	84	81	86	1941	122	89	149	September	193	165	216
1924	94	95	94	1942	166	82	235	October	184	157	206
								November	189	154	217
1925	122	124	120	1943	68	40	92	December	180	145	209
1926	129	121	135	1944	41	16	61				
1927	129	117	139	1945	68	26	102	1949			
1928	135	126	142	1946	153	143	161	January	174	133	207
1929	117	87	142	1947	157	142	169	February	169	123	207
				1948	190	162	214	March	175	130	212
1930	92	50	125	1949	211	192	226	April	177	141	206
1931	63	37	84					May	181	159	199
1932	28	13	40	1948				*June*	*195*	*176*	*210*
1933	25	11	37	January	191	152	223	July	209	200	217
1934	32	12	48	February	187	152	215	August	229	228	230
				March	181	148	208	September	246	254	240
1935	37	21	50	April	181	154	202	October	263	269	259
1936	55	37	70	May	188	165	206	November	265	256	273
1937	59	41	74	June	201	177	220	December	262	255	268

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

No. 883.—Engineering Construction Contracts Awarded—Volume, by Type: 1927 to 1949

[**In millions of dollars.** Covers continental U. S. construction projects of following minimum costs through 1945 (except for 1932-35): Waterworks, excavation, drainage, and irrigation, $15,000; other public works, $25,000; industrial buildings, $40,000; other buildings, $150,000. For 1946, these minimums were raised to $22,500, $40,000, $55,000, and $205,000, respectively, to account for rise in construction costs. For 1947-49, minimums used were: $28,000, $50,000, $68,000, and $250,000. For 1932-35, minimums used were: $10,500, $17,500, $28,000, and $105,000]

YEAR	Total	PUBLIC WORKS CONTRACTS					BUILDINGS			Unclassified
		Waterworks	Sewerage	Bridges	Earthwork, irr., drain.	Streets, roads	Industrial	Commercial	Public	
1927	3,254	54	118	144	68	528	321	1,398	254	368
1928	3,579	100	101	133	74	617	*355*	*1,596*	*290*	*313*
1929	3,950	49	88	137	77	542	547	1,670	356	484
1930	3,173	49	83	131	77	585	331	1,034	356	528
1931	2,432	57	73	116	143	545	166	561	384	387
1932	1,219	35	25	84	101	380	93	166	241	95
1933	1,068	67	22	98	137	288	152	106	121	77
1934	1,361	92	61	99	266	345	105	81	204	106
1935	1,590	81	100	98	259	325	172	100	298	148
1936	2,387	92	121	188	182	483	309	275	436	300
1937	2,437	104	95	133	110	415	477	460	333	309
1938	2,792	131	136	135	268	638	152	550	503	279
1939	3,003	163	160	151	233	644	283	388	593	390
1940	3,987	70	91	120	234	678	594	400	1,196	603
1941	5,869	77	89	112	245	583	406	486	2,786	996
1942	[1] 9,306	151	118	50	251	531	200	202	5,678	2,034
1943	[2] 3,062	46	41	26	47	227	167	231	1,419	858
1944	1,730	33	32	17	64	196	174	140	658	416
1945	2,289	61	35	53	57	227	635	387	463	371
1946	5,176	109	114	127	328	769	1,113	1,846	414	356
1947	5,659	139	175	196	327	794	862	1,898	615	653
1948	7,219	209	228	294	519	996	1,096	1,888	1,161	829
1949	8,157	207	277	345	524	897	950	2,406	1,735	815

[1] $1,300 millions canceled by W. P. B. [2] Add $1,357 millions for Atomic Bomb plants.

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

No. 884.—Engineering Construction Contracts Awarded—Volume, by Type, by States: 1949

[In thousands of dollars. Covers continental U. S. construction projects of following minimum costs: Waterworks, excavation, and irrigation, $28,000; other public works, $50,000; industrial buildings, $68,000; other buildings, $250,000]

State	Total	Public works contracts					Buildings			Unclassified
		Waterworks	Sewerage	Bridges	Earthwork, irr., drain.	Streets, roads	Industrial	Commercial	Public	
United States	**8,157,403**	**207,228**	**277,206**	**344,999**	**524,170**	**897,238**	**949,977**	**2,406,148**	**1,735,648**	**814,789**
Alabama	96,481	2,194	1,357	2,331	1,103	9,098	15,591	35,845	18,694	10,268
Arizona	46,817	1,595	152	1,331	5,287	6,261	----------	3,197	7,598	21,396
Arkansas	64,214	1,221	1,368	3,060	6,512	9,325	20,559	4,754	6,758	10,657
California	747,988	37,979	47,333	12,579	74,598	53,399	153,717	196,376	107,645	64,362
Colorado	64,714	635	3,151	352	8,075	14,660	5,246	6,176	12,965	13,454
Connecticut	125,009	1,933	5,618	9,535	4,691	7,523	8,045	46,623	37,007	4,034
Delaware	62,028	58	106	7,302	45	1,402	30,902	19,950	2,060	203
Dist. of Columbia	69,978	165	2,932	187	----------	482	1,000	22,724	41,723	765
Florida	166,785	3,782	8,876	4,042	11,347	10,292	23,464	74,163	18,434	12,385
Georgia	111,565	2,096	2,150	4,578	5,289	13,414	10,267	53,967	11,619	8,176
Idaho	33,413	324	849	2,293	2,969	7,390	1,884	320	10,100	7,284
Illinois	384,054	3,237	20,742	10,760	16,735	35,306	73,540	122,484	67,208	34,042
Indiana	85,485	1,645	5,062	4,165	2,176	3,959	22,910	17,299	24,545	3,724
Iowa	110,769	2,271	3,208	8,412	3,652	24,821	8,432	10,409	25,795	23,769
Kansas	105,745	2,704	2,416	3,910	16,851	20,654	6,624	12,265	18,868	21,453
Kentucky	110,956	2,418	1,958	5,991	16,685	35,940	5,752	7,656	23,990	10,566
Louisiana	144,043	1,904	4,871	8,204	21,302	19,386	11,207	34,624	27,610	14,935
Maine	17,007	312	----------	1,849	100	4,483	----------	389	2,247	7,627
Maryland	206,691	6,292	4,508	47,129	2,163	32,639	10,402	47,201	47,418	8,939
Massachusetts	200,980	6,574	5,158	5,914	2,689	15,202	28,540	27,436	100,008	9,459
Michigan	94,105	5,184	1,121	5,799	728	14,186	22,831	17,138	22,377	4,741
Minnesota	117,873	1,486	3,173	4,690	2,416	16,429	12,741	34,011	22,825	20,102
Mississippi	58,328	247	537	1,611	4,521	7,099	7,824	10,490	10,936	15,063
Missouri	137,187	1,086	3,459	9,328	6,191	18,575	11,622	41,856	20,434	24,636
Montana	58,518	335	700	2,825	14,182	9,214	1,075	10,116	8,107	11,874
Nebraska	76,725	742	4,090	1,477	8,864	8,433	2,797	14,377	7,184	28,761
Nevada	20,333	15	1,042	133	1,766	4,764	200	5,320	5,109	1,984
New Hampshire	6,563	90	33	446	76	2,010	----------	1,358	2,404	146
New Jersey	240,374	560	12,866	24,621	3,364	13,186	11,810	148,481	16,710	8,776
New Mexico	79,821	1,102	1,835	----------	1,428	9,145	780	1,496	44,912	19,123
New York	839,550	46,376	52,552	58,427	5,718	59,621	15,678	269,193	300,162	31,823
North Carolina	115,001	6,268	1,425	3,655	651	22,530	5,134	41,638	26,134	7,566
North Dakota	82,685	1,432	1,414	1,099	42,846	10,033	1,907	3,180	4,897	15,877
Ohio	346,836	9,520	7,521	5,394	4,309	29,837	57,855	164,856	46,268	21,267
Oklahoma	95,548	3,969	1,659	4,640	7,279	25,090	11,866	14,257	11,573	15,215
Oregon	129,747	1,005	7,039	6,112	54,895	14,861	3,631	11,659	17,244	13,301
Pennsylvania	649,777	6,944	12,190	31,279	34,585	95,348	85,781	289,023	72,884	21,743
Rhode Island	22,849	208	6,054	172	233	872	2,022	6,341	3,557	3,390
South Carolina	64,049	3,585	2,366	1,009	5,070	14,356	8,220	21,577	5,371	2,495
South Dakota	86,254	826	869	395	45,488	8,112	2,070	1,465	3,290	23,739
Tennessee	361,936	1,999	353	3,117	3,957	16,674	12,378	30,563	266,278	26,617
Texas	996,209	22,932	17,006	8,630	20,532	82,173	170,537	447,575	92,233	134,591
Utah	43,783	961	1,578	205	5,361	5,976	11,922	6,487	5,723	5,570
Vermont	18,773	523	86	128	42	1,158	----------	336	458	16,042
Virginia	103,099	5,065	2,392	11,032	10,794	14,502	4,475	17,370	30,921	7,448
Washington	166,766	2,942	5,033	7,566	31,620	25,362	7,649	29,083	32,571	24,940
West Virginia	31,922	480	1,391	2,567	3,435	9,573	4,475	2,205	6,836	960
Wisconsin	135,689	1,756	5,451	3,856	283	25,925	31,615	19,460	33,860	13,483
Wyoming	21,481	242	147	862	1,267	6,558	3,000	1,379	2,008	6,018

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

No. 885.—Building Construction in Cities of 50,000 or More Inhabitants—Value of All Construction and Number of New Dwelling Units: 1945 to 1949

[Valuation figures are derived from estimates of construction costs made by prospective builders when applying for permits to build and value of contracts awarded by Federal Government. No land costs are included. For type of building covered see table 877. Cities shown had a population of 50,000 and over in 1940]

City	Value of all construction ($1,000)					Number of new dwelling units				
	1945	1946	1947	1948 [1]	1949 [1]	1945	1946	1947	1948 [1]	1949 [1]
Akron, Ohio	10,300	13,880	18,037	24,754	19,110	850	1,381	1,006	1,154	1,111
Albany, N. Y.	1,471	4,935	7,184	19,743	9,147	11	108	449	201	187
Allentown, Pa.	1,658	4,498	5,632	6,979	6,192	24	275	391	429	226
Altoona, Pa.	728	1,491	2,708	2,807	1,442	8	185	119	100	75
Amarillo, Tex.	3,833	7,566	9,111	10,994	16,939	545	1,193	1,152	1,444	1,986
Arlington Co., Va. [2]	6,874	14,023	24,709	21,250	27,173	523	1,458	2,611	1,909	2,468
Asheville, N. C.	1,318	1,753	2,951	2,929	4,352	55	231	263	194	664
Atlanta, Ga.	8,665	23,403	28,439	31,822	30,416	534	1,533	1,379	1,071	2,144
Atlantic City, N. J.	1,685	2,188	2,017	2,077	1,777	5	167	16	28	38
Augusta, Ga.	554	1,965	3,592	4,152	3,304	51	263	285	340	233
Austin, Tex.	5,229	19,033	20,757	27,295	31,090	744	3,789	2,234	2,609	1,840
Baltimore, Md.	12,361	50,016	45,168	57,552	55,921	665	5,045	5,505	5,923	5,039
Bayonne, N. J.	1,777	1,774	1,786	4,206	1,908	1	219	169	20	115
Beaumont, Tex.	1,729	3,798	6,708	9,424	9,336	190	663	800	1,286	1,116
Berkeley, Calif.	4,331	7,079	8,590	10,385	8,499	383	389	309	367	385
Bethlehem, Pa.	788	2,581	2,671	5,315	3,369	33	165	164	304	240
Binghamton, N. Y.	3,069	3,102	4,010	4,872	4,839	33	372	159	204	325
Birmingham, Ala.	5,636	15,764	18,041	18,143	37,867	354	2,067	2,416	1,803	4,193
Boston, Mass. [3]	10,404	42,906	31,577	54,987	43,175	48	1,023	890	1,642	1,598
Bridgeport, Conn.	2,736	5,304	6,447	7,243	4,016	58	222	479	352	222
Brockton, Mass.	587	1,683	3,113	2,285	3,665	21	127	170	157	304
Buffalo, N. Y.	4,596	16,197	27,070	15,049	15,934	149	270	466	630	873
Cambridge, Mass.	2,038	8,818	9,331	8,996	14,581	101	766	57	91	810
Camden, N. J.	2,440	5,314	9,885	8,274	5,901	42	362	349	336	470
Canton, Ohio	2,139	4,672	4,527	4,938	5,862	128	364	356	345	351
Cedar Rapids, Iowa	2,218	5,644	4,057	5,273	7,019	119	645	348	427	353
Charleston, S. C.	2,842	1,546	1,809	4,536	3,637	35	44	60	178	402
Charleston, W. Va.	2,654	3,403	6,650	9,861	9,673	67	238	402	378	347
Charlotte, N. C.	4,217	9,700	10,955	17,582	23,350	208	1,129	1,357	1,198	3,338
Chattanooga, Tenn.	2,128	4,923	6,782	7,810	9,028	150	580	513	349	442
Chester, Pa.	676	3,713	1,324	2,613	1,234	13	355	35	74	9
Chicago, Ill.	63,094	122,405	120,705	173,300	163,177	4,727	7,341	5,455	6,285	8,091
Cicero, Ill.	2,748	2,707	3,098	3,354	3,619	223	76	158	126	54
Cincinnati, Ohio	7,517	35,625	31,117	40,899	37,005	410	2,132	1,144	1,307	1,090
Cleveland, Ohio	24,872	38,547	43,028	40,766	40,753	881	2,157	2,123	1,032	2,195
Cleveland Heights, Ohio	2,398	1,361	3,394	3,512	5,202	236	99	182	138	220
Columbia, S. C.	1,243	3,328	5,547	6,842	8,730	137	565	577	436	561
Columbus, Ga.	1,842	3,483	3,687	[4] 3,856	5,538	145	120	206	[4] 199	493
Columbus, Ohio	7,444	19,464	23,849	30,653	34,072	498	2,516	1,977	1,991	2,619
Corpus Christi, Tex.	3,775	9,873	14,627	15,757	16,113	641	1,156	1,705	1,075	1,855
Covington, Ky.	(5)	958	835	1,242	2,068	(5)	22	28	30	17
Dallas, Tex.	17,477	44,628	53,268	76,061	69,079	1,459	5,546	7,736	6,981	6,309
Davenport, Iowa	1,475	4,270	4,637	5,761	5,540	92	438	319	310	251
Dayton, Ohio	12,466	10,488	13,259	12,039	13,919	652	859	1,146	759	1,009
Dearborn, Mich.	6,771	9,819	17,137	20,562	30,582	162	774	1,352	1,354	1,873
Decatur, Ill.	606	2,349	4,057	3,027	3,750	50	259	229	220	320
Denver, Colo.	16,305	30,049	29,178	48,372	43,657	2,403	5,181	2,692	3,079	3,947
Des Moines, Iowa	3,980	13,255	12,676	12,471	26,581	121	1,394	968	938	1,468
Detroit, Mich.	67,975	116,848	147,607	141,388	188,382	4,027	9,496	10,973	7,235	13,336
Duluth, Minn.	1,712	4,432	4,540	5,937	6,648	64	524	299	412	325
Durham, N. C.	2,065	4,380	5,646	8,698	8,694	107	326	516	554	493
East Chicago, Ind.	2,436	3,570	2,614	1,832	1,728	18	46	40	38	34
East Orange, N. J.	850	2,310	4,348	3,891	10,806	2	304	336	322	1,644
East St. Louis, Ill.	1,675	3,135	2,307	2,568	4,080	49	191	213	255	212
Elizabeth, N. J.	849	2,789	5,395	2,944	4,099	13	289	717	32	544
El Paso, Tex.	2,448	5,325	8,011	13,171	16,204	127	707	566	876	1,364
Erie, Pa.	2,152	5,739	4,663	13,422	7,557	97	578	433	596	534
Evanston, Ill.	4,425	6,910	8,154	10,264	11,087	159	441	502	282	285
Evansville, Ind.	2,599	3,573	4,646	4,874	5,168	123	337	787	399	419
Fall River, Mass.	914	2,025	1,788	2,260	4,199	16	204	118	130	430
Flint, Mich.	6,422	10,497	11,141	12,171	14,923	243	891	875	658	978
Fort Wayne, Ind.	2,255	7,002	9,318	8,829	10,662	142	790	772	600	779
Fort Worth, Tex.	9,241	24,227	27,897	29,517	29,862	1,558	4,234	4,493	3,223	4,131
Fresno, Calif.	3,103	8,750	14,786	12,338	12,993	255	909	755	769	1,231
Galveston, Tex.	1,349	2,939	2,472	3,683	7,960	66	261	206	404	300

For footnotes, see p. 729.

No. 885.—Building Construction in Cities of 50,000 or More Inhabitants—Value of All Construction and Number of New Dwelling Units: 1945 to 1949—Continued

City	Value of all construction ($1,000)					Number of new dwelling units				
	1945	1946	1947	1948 [1]	1949 [1]	1945	1946	1947	1948 [1]	1949 [1]
Gary, Ind	3,062	6,079	9,194	11,458	13,942	303	686	1,199	1,066	1,826
Glendale, Calif	4,098	8,272	10,360	14,493	8,560	454	857	972	1,209	888
Grand Rapids, Mich	5,431	8,632	9,460	15,130	12,881	331	873	658	782	688
Greensboro, N. C	3,591	4,299	8,888	10,315	10,958	147	618	1,160	858	1,116
Hamilton, Ohio	542	2,562	4,542	3,156	3,506	43	301	419	225	356
Hammond, Ind	6,063	7,682	6,723	7,784	7,755	227	744	659	571	713
Harrisburg, Pa	866	4,237	5,662	6,354	7,791	12	448	172	354	478
Hartford, Conn	2,925	10,459	10,171	13,943	12,252	23	366	207	670	547
Highland Park, Mich	2,192	1,351	3,301	2,679	2,093	3	2	1	7	4
Hoboken, N. J	682	1,786	2,315	2,088	1,060	-------	-------	-------	-------	2
Holyoke, Mass	614	1,826	1,767	2,007	1,492	24	36	130	83	74
Houston, Tex	45,336	53,899	72,631	98,952	82,614	1,980	5,709	5,881	7,517	5,822
Huntington, W. Va	2,100	4,095	4,992	7,628	5,378	160	740	584	494	406
Indianapolis, Ind	6,874	14,783	26,806	32,495	40,657	523	1,771	2,377	1,825	3,033
Irvington, N. J	517	799	2,462	2,816	11,023	13	36	326	77	1,994
Jackson, Miss	3,662	6,946	9,661	13,377	16,558	382	835	934	854	1,993
Jacksonville, Fla	7,879	15,686	21,128	16,111	22,480	585	1,460	1,541	1,172	1,987
Jersey City, N. J	1,295	3,878	6,357	7,683	7,149	-------	377	13	10	459
Johnstown, Pa	851	1,641	994	1,485	2,441	5	44	39	60	66
Kalamazoo, Mich	2,061	3,232	2,809	3,079	4,934	4	271	62	146	108
Kansas City, Kans	2,076	2,997	3,847	5,693	6,846	117	295	304	266	358
Kansas City, Mo	9,401	18,202	17,738	35,563	36,864	228	1,545	910	2,005	2,363
Knoxville, Tenn	4,426	13,383	10,656	11,560	7,347	287	1,272	812	443	433
Lakewood, Ohio	667	1,294	1,577	1,390	3,022	32	229	78	30	53
Lancaster, Pa	638	1,628	4,640	4,194	6,075	17	118	285	212	104
Lansing, Mich	1,969	4,483	4,612	6,286	7,125	71	391	355	320	406
Lawrence, Mass	924	1,611	1,997	3,321	3,118	7	49	100	183	305
Lincoln, Nebr	2,113	7,124	9,875	5,510	7,044	159	447	1,023	510	622
Little Rock, Ark	2,890	7,585	11,722	20,534	9,244	343	844	1,713	658	633
Long Beach, Calif	16,073	37,426	35,233	38,264	38,763	2,679	3,330	3,979	3,269	2,542
Los Angeles, Calif	91,570	227,742	259,041	372,978	282,301	8,063	24,532	21,138	30,328	26,101
Louisville, Ky	7,994	15,957	18,769	14,270	22,350	302	1,877	2,665	1,380	1,373
Lowell, Mass	419	1,697	1,871	1,141	5,307	4	323	82	130	391
Lynn, Mass	686	2,897	2,962	6,229	4,943	11	218	124	182	344
Macon, Ga	1,150	2,438	2,937	3,073	2,899	27	175	132	149	190
Madison, Wis	2,621	6,183	5,370	7,309	16,772	215	399	625	543	704
Malden, Mass	234	2,293	1,798	1,658	2,280	4	150	82	81	186
Manchester, N. H	1,080	3,578	4,830	10,494	5,186	65	344	460	731	496
McKeesport, Pa	521	1,203	1,567	1,950	2,190	9	36	60	71	93
Medford, Mass	377	1,926	2,003	[6] 2,243	2,726	5	354	77	[6] 99	252
Memphis, Tenn	15,305	22,581	27,047	32,223	34,926	1,253	2,488	3,440	3,443	4,218
Miami, Fla	14,564	26,396	51,628	54,888	43,626	1,438	2,615	6,043	5,711	4,900
Milwaukee, Wis	16,657	36,263	31,614	53,398	58,154	1,125	2,783	1,733	2,850	3,437
Minneapolis, Minn	16,384	29,770	30,931	37,282	39,920	872	2,935	1,381	1,655	2,477
Mobile, Ala	3,736	5,297	5,493	10,025	12,445	270	771	688	1,031	852
Montgomery, Ala	3,616	4,281	6,015	6,029	9,614	356	876	965	745	2,190
Mount Vernon, N. Y	869	1,640	2,655	4,061	11,427	211	70	106	190	1,104
Nashville, Tenn	4,160	7,959	6,798	9,785	18,772	238	701	522	321	688
Newark, N. J	6,319	11,127	16,080	25,914	9,642	298	419	695	397	849
New Bedford, Mass	744	2,649	2,166	2,125	3,949	28	268	126	151	336
New Britain, Conn	2,185	3,080	1,707	2,434	3,406	43	413	143	189	277
New Haven, Conn	2,929	8,087	7,774	11,111	7,557	35	732	338	577	247
New Orleans, La	7,362	15,072	12,464	28,288	55,967	1,731	2,427	1,335	3,446	4,248
New Rochelle, N. Y	964	2,557	2,785	8,312	3,312	29	192	90	549	195
Newton, Mass	941	3,522	7,625	9,834	8,040	90	296	385	820	356
New York, N. Y.: [7]										
Bronx	2,504	15,809	14,797	47,753	92,148	104	2,822	908	4,751	9,513
Brooklyn	7,260	39,483	46,872	46,667	116,754	549	5,460	2,474	3,397	11,844
Manhattan	14,829	100,604	62,268	80,513	187,661	389	15,307	5,530	3,304	6,619
Queens	9,666	87,766	79,062	129,348	132,467	735	13,810	8,893	13,303	15,087
Richmond	832	3,472	3,816	10,990	11,388	55	254	345	1,054	1,097
Niagara Falls, N. Y	1,891	4,233	6,654	7,521	8,320	64	249	398	610	492
Norfolk, Va	5,654	5,474	16,402	16,035	12,233	84	585	1,419	1,936	1,509
Oakland, Calif	15,562	23,363	27,389	37,408	30,595	1,130	1,406	1,708	1,354	1,339
Oak Park, Ill	571	866	1,607	3,815	1,574	16	89	165	30	52
Oklahoma City, Okla	6,123	13,822	14,276	12,430	16,689	612	1,538	1,935	985	1,025
Omaha, Nebr	4,773	13,155	8,823	23,043	13,971	322	1,059	931	777	1,307
Pasadena, Calif	4,395	12,959	13,819	16,809	16,646	379	782	883	1,012	1,100
Passaic, N. J	1,300	2,575	3,038	2,085	3,607	88	194	240	78	490
Paterson, N. J	1,535	3,821	3,108	4,488	4,258	5	309	99	132	194
Pawtucket, R. I	831	2,561	5,505	4,998	4,126	68	273	435	508	456

For footnotes, see p. 729.

No. 885.—Building Construction in Cities of 50,000 or More Inhabitants—Value of All Construction and Number of New Dwelling Units: 1945 to 1949—Continued

City	Value of all construction ($1,000)					Number of new dwelling units				
	1945	1946	1947	1948 [1]	1949 [1]	1945	1946	1947	1948 [1]	1949 [1]
Peoria, Ill	2,318	4,436	4,451	8,451	6,104	51	316	314	367	255
Phoenix, Ariz	6,923	8,534	9,679	16,571	12,071	867	817	818	1,416	467
Philadelphia, Pa	22,632	65,499	72,760	93,597	88,126	750	5,611	5,321	5,061	6,555
Pittsburgh, Pa	8,234	18,204	19,700	26,464	43,034	274	1,386	1,760	938	1,842
Pontiac, Mich	8,777	9,608	4,438	4,238	8,336	84	345	241	203	592
Portland, Maine	1,411	2,643	3,425	4,490	3,346	13	104	183	155	137
Portland, Oreg	12,336	34,922	39,953	52,258	47,656	710	2,434	2,275	3,067	2,976
Portsmouth, Va	1,220	1,588	1,596	2,483	2,008	51	61	324	275	188
Providence, R. I	2,670	12,529	8,636	11,853	10,220	46	197	178	454	267
Pueblo, Colo	885	2,132	1,966	3,633	4,171	152	332	308	496	504
Quincy, Mass	1,151	3,618	4,064	4,458	7,361	36	274	324	278	651
Racine, Wis	2,139	3,206	6,563	5,175	4,346	157	274	348	204	261
Reading, Pa	1,364	2,776	2,645	2,004	3,249	27	101	29	40	377
Richmond, Va	7,770	18,266	16,611	21,466	18,059	1,066	1,799	1,722	943	890
Roanoke, Va	1,241	5,982	7,504	7,221	14,075	103	565	455	391	968
Rochester, N. Y	11,296	10,918	15,847	16,091	19,315	148	631	1,090	459	1,083
Rockford, Ill	2,325	3,736	4,713	6,553	4,909	131	539	352	456	370
Sacramento, Calif	11,757	13,427	12,849	17,432	18,813	377	1,779	1,174	1,473	1,348
Saginaw, Mich	1,857	4,460	3,405	7,747	4,240	81	602	378	348	352
St. Joseph, Mo	140	759	1,151	1,291	1,220	12	68	99	147	122
St. Louis, Mo	14,756	31,639	28,479	28,242	30,413	190	2,370	841	1,337	1,559
St. Paul, Minn	9,513	20,118	19,126	23,846	21,603	553	1,797	1,174	998	1,295
St. Petersburg, Fla	4,614	11,088	17,426	20,523	21,675	565	1,533	2,295	2,088	2,498
Salt Lake City, Utah	6,233	14,057	11,368	14,960	18,085	400	1,709	1,146	1,350	1,513
San Antonio, Tex	14,518	25,654	30,203	35,822	36,940	1,741	3,788	5,222	4,675	5,293
San Diego, Calif	22,167	23,100	30,428	42,882	37,051	2,244	2,931	3,438	4,107	3,224
San Francisco, Calif	2,780	50,959	48,290	62,990	68,281	3,762	3,530	3,102	3,951	3,664
San Jose, Calif	3,526	10,376	11,451	19,486	15,231	269	994	818	1,629	1,221
Santa Monica, Calif	3,245	9,894	11,817	12,672	10,664	364	1,265	1,428	1,356	930
Savannah, Ga	2,156	3,443	5,886	5,458	4,753	214	480	578	750	743
Schenectady, N. Y	2,348	4,553	2,541	3,734	8,637	5	177	124	184	912
Scranton, Pa	1,326	2,417	3,253	2,812	3,134	2	25	27	41	42
Seattle, Wash	20,828	41,807	40,450	61,005	53,672	2,827	3,364	3,346	2,860	3,115
Shreveport, La	2,636	9,040	22,004	17,082	27,487	418	1,247	1,202	1,296	1,775
Sioux City, Iowa	1,184	2,740	3,342	7,251	6,196	37	442	231	357	349
Somerville, Mass	670	1,609	2,606	1,191	3,088	--------	2	69	3	174
South Bend, Ind	6,437	7,085	9,814	12,978	12,142	398	906	640	953	1,078
Spokane, Wash	7,622	14,181	18,597	26,293	18,254	333	1,623	1,731	1,526	1,742
Springfield, Ill	816	4,915	4,865	5,241	3,876	39	472	351	389	247
Springfield, Mass	4,780	9,606	11,220	9,905	9,295	200	929	574	859	665
Springfield, Mo	1,890	4,336	4,762	4,993	4,684	238	637	589	367	446
Springfield, Ohio	2,217	2,937	5,038	3,200	4,651	29	308	257	241	292
Stockton, Calif	10,662	6,110	6,627	10,013	6,627	445	604	575	682	486
Syracuse, N. Y	3,097	7,254	6,982	11,884	26,027	115	874	404	1,110	881
Tacoma, Wash	5,750	11,273	11,870	14,494	13,368	457	1,073	753	893	1,105
Tampa, Fla	4,746	8,157	9,316	8,721	9,360	402	868	887	886	827
Terre Haute, Ind	596	3,059	1,372	3,121	1,322	--------	527	119	126	111
Toledo, Ohio	5,752	10,213	12,017	20,336	18,284	358	948	646	593	804
Topeka, Kans	1,190	4,257	3,780	4,832	5,068	212	855	446	506	514
Trenton, N. J	2,132	2,858	3,058	4,199	3,387	13	172	61	157	140
Troy, N. Y	444	4,350	2,166	2,363	5,217	--------	637	19	37	399
Tulsa, Okla	4,228	9,511	11,288	14,405	15,558	525	1,266	1,233	1,024	1,371
Union City, N. J	428	614	795	370	1,267	--------	1	1	--------	27
Upper Darby Township, Pa. [2]	1,069	4,179	4,803	19,693	7,610	157	570	601	3,653	857
Utica, N. Y	1,450	2,502	2,233	2,691	6,929	9	76	129	240	286
Waco, Tex	2,168	5,016	8,731	10,987	12,244	416	983	853	930	1,070
Washington, D. C	26,574	46,253	43,016	50,936	114,734	3,352	4,000	4,303	3,797	8,254
Waterbury, Conn	1,640	3,238	4,468	6,050	2,939	65	432	261	477	244
Waterloo, Iowa	2,847	5,137	4,413	4,644	6,746	165	588	312	253	350
Wheeling, W. Va	1,823	2,389	3,257	3,568	3,262	1	42	46	100	68
Wichita, Kans	3,029	14,003	16,649	22,457	22,540	165	1,690	1,993	2,387	3,533
Wilkes-Barre, Pa	509	1,154	3,648	13,681	2,157	--------	--------	97	23	13
Wilmington, Del	4,254	5,063	3,332	5,633	10,619	48	208	111	136	109
Winston-Salem, N. C	1,492	3,387	6,057	[3] 5,074	8,050	119	434	584	[3] 311	890
Worcester, Mass	3,164	7,443	8,043	9,992	6,980	288	800	563	748	493
Yonkers, N. Y. [3]	1,281	6,843	10,288	9,955	19,195	66	577	1,152	875	2,568
York, Pa	765	2,221	3,205	2,551	3,608	13	176	115	66	22
Youngstown, Ohio	1,914	4,822	6,528	5,279	6,677	60	466	306	343	514

[1] Preliminary. [2] Classified as urban under special rule by Bureau of the Census, 1940.
[3] Figures represent applications filed. [4] Excludes data for July and August. [5] Not available.
[6] Excludes data for April. [7] Represents work actually started, based on inspection records.
[8] Excludes data for February and October.

Source: Department of Labor, Bureau of Labor Statistics. Data for cities of 100,000 or more published in monthly releases; data for cities 50,000 to 100,000 from records not published elsewhere.

No. 886.—Construction and Building Cost Indexes: 1913 to 1949

[1913=100 except Aberthaw for which base year is 1914. For Bureau of Labor Statistics index of building material prices, see pp. 279 and 280. See also *Historical Statistics*, series H 64, 65, and 73, for AAC, ENR (const.), and Turner indexes]

Year	AAC (new) [1]	AGC [2]	ENR Const. [3]	ENR Bldg. [3]	Boeckh, U. S. [4]	Aberthaw [5]	Fuller [6]	Turner [7]	M & S [8]	S. H. & G. [9]
1913	100	100	100	100	100	----------	100	100	100	--------
1914	98	99	89	92	98	100	102	100	97	--------
1915	101	100	93	95	101	100	130	103	98	--------
1916	116	114	130	131	117	107	143	120	112	--------
1917	143	152	181	167	142	126	156	147	127	--------
1918	177	175	189	159	156	147	160	166	148	--------
1919	229	198	198	159	172	172	168	196	185	--------
1920	283	247	251	207	214	234	209	252	233	--------
1921	216	200	202	166	175	179	188	183	178	--------
1922	200	184	174	155	162	170	175	175	172	--------
1923	224	201	214	186	181	202	190	196	182	190
1924	222	202	215	186	181	198	194	194	183	193
1925	217	199	207	183	179	195	193	195	185	187
1926	217	197	208	185	181	197	202	195	185	185
1927	217	200	206	186	179	193	197	190	182	185
1928	217	199	207	188	179	191	196	190	184	188
1929	217	203	207	191	184	190	201	185	179	190
1930	200	200	203	185	181	186	199	165	165	181
1931	178	196	181	168	168	176	180	145	156	148
1932	155	171	157	141	144	168	157	136	130	128
1933	150	163	170	148	148	170	155	141	143	137
1934	161	178	198	167	161	176	171	160	156	157
1935	162	178	196	166	159	177	167	162	164	163
1936	170	179	206	172	164	184	168	166	166	173
1937	198	188	235	196	183	199	187	193	180	200
1938	199	189	236	197	189	191	192	188	178	200
1939	200	188	236	197	191	190	195	182	183	199
1940	204	189	242	203	195	193	196	194	190	204
1941	217	198	258	211	204	208	206	217	202	217
1942	241	209	276	222	214	223	229	245	218	226
1943	252	216	290	229	223	225	238	257	227	245
1944	261	223	299	235	237	227	240	244	234	264
1945	271	231	308	239	252	236	241	257	248	285
1946	322	257	346	262	275	279	290	318	288	319
1947	430	296	413	313	323	304	354	380	338	371
1948	490	332	461	345	365	321	380	422	368	405
1949	490	342	477	352	369	312	382	414	365	395

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

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

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

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

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

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

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

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

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

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

No. 887.—Construction—Summary, by Kind of Contractor, by Size Groups: 1939

[The 1939 Census of Construction covered all persons or establishments whose principal business in 1939 was utilizing construction materials and labor in construction work for others, or for themselves for speculative and investment purposes, on projects located within the limits of continental United States. It included erection and installation departments of manufacturers and merchandisers, when it was an important but not necessarily major portion of their business enterprise. Force-account work, ship and boat building, and installation and servicing of domestic appliances were not included. "Work performed" represents contract or order value of work done by the contractor's or builder's own forces. *Work sublet to others* was not included as work performed in the report of the builder or general contractor, but was reported as part of the business of the special trade contractor who received the subcontract. "Construction work" includes alterations and repairs, as well as new construction and additions. Data for establishments reporting less than $500 of work performed in 1939 are not included. The canvass is known to have been incomplete in coverage of small contractors who operated from their homes. Most of the shortage occurred in metropolitan districts. It is believed that this under-coverage affects materially only number of establishments and number of proprietors]

Kind of contractor	Number of establishments			Value of work performed (1,000 dollars)			Materials used and equipment installed (1,000 dollars)[1]		
	Total	$25,000 and over[2]	Under $25,000 (2)	Total	$25,000 and over[2]	Under $25,000 (2)	Total	$25,000 and over[2]	Under $25,000 (2)
United States	215,050	30,912	184,138	4,519,794	3,479,671	1,040,123	2,046,613	1,625,344	421,269
Builders	3,705	1,534	2,171	108,258	89,919	18,339	72,976	61,438	11,538
General contractors	35,158	14,880	20,278	2,403,630	2,208,080	195,550	1,085,735	989,266	96,469
Building contractors	29,641	10,636	19,005	1,174,693	993,629	181,064	588,832	496,358	92,474
Highway contractors	3,627	2,667	960	590,571	579,704	10,867	248,395	245,380	3,015
Heavy contractors	1,890	1,577	313	638,366	634,747	3,619	248,508	247,528	980
Special trade contractors	176,187	14,498	161,689	2,007,906	1,181,672	826,234	887,902	574,640	313,262
Air conditioning[3]	798	338	460	40,396	35,459	4,937	22,911	20,318	2,593
Carpentering	30,044	467	29,577	132,957	24,521	108,436	48,199	10,800	37,399
Concreting	4,464	397	4,067	57,030	32,486	24,544	24,030	14,545	9,485
Electrical (other than power lines)	15,915	1,640	14,275	222,774	137,472	85,302	102,028	64,324	37,704
Elevator (installation and repair)	409	130	279	45,083	42,351	2,732	20,985	20,108	877
Excavating and foundation	405	75	330	8,007	5,321	2,686	2,750	1,915	836
Excavating and grading	1,852	201	1,651	22,536	10,389	12,147	2,016	826	1,190
Flooring (wood only)	1,088	111	977	13,735	7,041	6,694	6,397	3,765	2,632
Flooring (wood and other)	445	173	272	17,636	15,259	2,377	9,771	8,779	992
Flooring (surfacing and resurfacing)	645	12	633	2,821	466	2,355	592	127	465
Heating and plumbing group	37,112	4,686	32,426	572,878	349,987	222,891	299,691	192,240	107,451
Heating and piping	2,882	743	2,139	75,550	57,048	18,502	40,133	30,706	9,427
Heating and piping, with sheet metal	1,572	289	1,283	36,297	25,305	10,992	18,560	13,345	5,215
Heating, piping, and plumbing	13,166	2,165	11,001	251,075	161,635	89,440	134,617	90,330	44,287
Heating, piping, plumbing, with sheet metal	2,122	533	1,589	62,384	48,078	14,306	33,761	26,439	7,322
Plumbing	16,609	914	15,695	141,334	55,724	85,610	69,546	30,283	39,263
Plumbing, with sheet metal	761	42	719	6,238	2,197	4,041	3,074	1,137	1,937
Insulation	708	273	435	26,509	22,132	4,377	11,356	9,495	1,861
Lathing	522	58	464	9,417	6,561	2,856	2,136	1,742	394
Plastering and lathing	720	251	469	24,762	20,015	4,747	8,703	6,907	1,796
Plastering	5,347	401	4,946	55,756	27,614	28,142	20,202	10,449	9,753
Ornamental iron	622	144	478	14,421	10,814	3,607	7,061	5,539	1,522
Painting	10,046	228	9,818	46,347	12,519	33,828	11,017	2,997	8,020
Painting, paperhanging, and decorating	39,973	829	39,144	180,917	46,931	133,986	43,979	10,783	33,196
Roofing and sheet metal group	11,793	1,782	10,011	187,655	118,128	69,527	84,043	54,715	29,328
Roofing	4,875	844	4,031	78,716	51,068	27,648	35,221	22,934	12,287
Roofing and sheet metal	3,046	646	2,400	68,725	49,489	19,236	32,133	24,079	8,054
Sheet metal	3,872	292	3,580	40,214	17,571	22,643	16,689	7,702	8,987
Masonry	7,029	702	6,327	97,339	60,921	36,418	39,540	26,888	12,652
Tile and mantel	2,149	519	1,630	48,944	35,223	13,721	22,904	16,324	6,580
Steel erection and repair	567	266	301	80,863	77,838	3,025	51,124	50,285	839
Weather stripping	419	56	363	7,214	4,856	2,358	2,588	1,706	882
Glass and glazing	1,040	180	860	17,821	12,698	5,123	8,336	6,112	2,224
House moving	608	33	575	4,016	1,449	2,567	388	193	195
Other	1,467	546	921	70,072	63,221	6,851	35,155	32,668	2,487

For footnotes, see next page.

No. 887.—Construction—Summary, by Kind of Contractor, and by Size Groups: 1939—Continued

Kind of contractor	Active proprietors and firm members			Employees (average for year)[4]			Total pay roll (1,000 dollars)[4]		
	Total	$25,000 and over[2]	Under $25,000 (2)	Total	$25,000 and over[2]	Under $25,000 (2)	Total	$25,000 and over[2]	Under $25,000 (2)
United States	226,784	26,367	200,417	1,073,655	809,474	264,181	1,403,771	1,144,862	258,909
Builders	3,300	1,173	2,127	20,268	16,230	4,038	25,798	21,868	3,930
General contractors	36,111	13,608	22,503	600,974	548,127	52,847	770,766	722,623	48,143
Building contractors	31,336	10,186	21,150	304,274	256,746	47,528	389,151	345,446	43,705
Highway contractors	3,361	2,331	1,030	161,317	157,403	3,914	171,946	168,733	3,213
Heavy contractors	1,414	1,091	323	135,383	133,978	1,405	209,669	208,444	1,225
Special trade contractors	187,373	11,586	175,787	452,413	245,117	207,296	607,207	400,371	206,836
Air conditioning[3]	671	187	484	6,754	5,691	1,063	10,715	9,534	1,181
Carpentering	32,718	479	32,239	31,282	5,854	25,428	32,872	9,315	23,557
Concreting	4,944	365	4,579	18,106	8,809	9,297	19,467	12,247	7,220
Electrical (other than power lines)	16,121	1,213	14,908	42,390	25,198	17,192	68,749	49,828	18,921
Elevator (installation and repair)	289	53	236	7,016	6,320	696	15,138	14,211	927
Excavating and foundation	446	69	377	2,826	1,692	1,134	2,932	2,042	890
Excavating and grading	1,992	182	1,810	7,943	3,457	4,486	8,017	4,075	3,942
Flooring (wood only)	1,197	92	1,105	3,050	1,388	1,662	4,094	2,297	1,797
Flooring (wood and other)	402	105	297	3,280	2,652	628	4,811	4,130	681
Flooring (surfacing and resurfacing)	706	8	698	828	146	682	853	228	625
Heating and plumbing group	38,138	3,897	34,241	108,173	62,604	45,569	146,622	101,189	45,433
Heating and piping	2,265	324	1,941	14,251	9,882	4,369	21,796	17,308	4,488
Heating and piping, with sheet metal	1,713	260	1,453	6,821	4,375	2,446	10,259	7,744	2,515
Heating, piping, and plumbing	13,761	1,976	11,785	47,381	29,118	18,263	64,008	45,514	18,494
Heating, piping, plumbing, with sheet metal	2,283	471	1,812	11,954	8,950	3,004	17,044	14,024	3,020
Plumbing	17,281	825	16,456	26,412	9,830	16,582	32,070	15,959	16,111
Plumbing, with sheet metal	835	41	794	1,354	449	905	1,445	640	805
Insulation	508	106	402	6,970	5,673	1,297	10,025	8,707	1,318
Lathing	608	49	559	3,253	1,838	1,415	5,276	3,831	1,445
Plastering and lathing	811	254	557	7,754	6,164	1,590	11,686	9,940	1,746
Plastering	6,045	411	5,634	17,413	8,500	8,913	21,625	12,831	8,794
Ornamental iron	607	85	522	2,622	1,839	783	3,926	3,051	875
Painting	11,023	213	10,810	13,733	4,116	9,617	16,916	6,729	10,187
Painting, paperhanging, and decorating	44,253	804	43,449	52,077	15,119	36,958	65,586	26,142	39,444
Roofing and sheet metal group	12,354	1,416	10,938	44,631	27,320	17,311	56,474	39,572	16,902
Roofing	4,986	634	4,352	18,951	11,842	7,109	23,290	16,861	6,429
Roofing and sheet metal	3,216	533	2,683	16,906	11,802	5,104	21,434	16,497	4,937
Sheet metal	4,152	249	3,903	8,774	3,676	5,098	11,750	6,214	5,536
Masonry	7,712	648	7,064	30,273	17,821	12,452	36,765	25,199	11,566
Tile and mantel	2,134	400	1,734	11,362	8,326	3,036	16,174	12,799	3,375
Steel erection and repair	379	113	266	10,404	9,298	1,106	18,501	17,211	1,290
Weather stripping	402	21	381	1,793	1,283	510	2,833	2,225	608
Glass and glazing	978	96	882	3,142	2,171	971	5,134	4,056	1,078
House moving	708	33	675	1,912	484	1,428	1,649	637	1,012
Other	1,227	287	940	13,426	11,354	2,072	20,367	18,345	2,022

[1] Cost at site.
[2] Value of work performed by establishment reporting.
[3] Air conditioning with or without heating, plumbing, or sheet metal.
[4] Employees and pay roll include data for paid executives of corporations but not proprietors of unincorporated businesses.

Source: Department of Commerce, Bureau of the Census; Census of Business, 1939, Vol. IV, Construction.

No. 888.—Construction—Summary, by States: 1939

[Geographic distribution based on office address of reporting establishment, not location of construction project. See headnote, table 887]

Division and state	Number of establishments	Value of work performed (thousands of dollars)	Active proprietors and firm members	Employees (average for year)[1]	Total pay roll (thousands of dollars)[1]	Materials used and equipment installed (thousands of dollars)[2]
United States	215,050	4,519,794	226,784	1,073,655	1,403,771	2,046,613
New England	18,910	323,471	19,118	76,089	106,757	138,669
Maine	1,696	16,261	1,738	4,837	5,161	6,573
New Hampshire	992	11,426	1,030	3,439	3,644	4,801
Vermont	746	6,976	772	2,104	2,091	2,940
Massachusetts	8,509	167,691	8,529	38,353	57,111	72,252
Rhode Island	1,565	26,811	1,601	6,472	8,561	11,662
Connecticut	5,402	94,306	5,448	20,884	30,189	40,441
Middle Atlantic	50,979	1,190,993	51,749	249,846	393,141	534,158
New York	24,632	675,167	24,296	137,279	238,005	289,324
New Jersey	9,128	153,275	8,901	32,768	47,814	67,230
Pennsylvania	17,219	362,551	18,552	79,799	107,322	177,604
East North Central	47,263	946,952	49,705	204,097	302,899	431,194
Ohio	12,407	246,358	13,150	49,983	74,847	118,137
Indiana	6,172	93,714	6,603	22,846	28,718	42,942
Illinois	12,855	322,305	13,498	69,705	113,549	134,455
Michigan	8,822	179,327	9,218	37,630	53,608	87,947
Wisconsin	7,007	105,248	7,236	23,933	32,177	47,713
West North Central	23,892	418,053	25,874	103,298	118,781	190,522
Minnesota	6,006	120,257	6,766	28,381	33,799	55,663
Iowa	5,063	79,765	5,585	19,435	21,705	37,768
Missouri	6,527	124,450	6,643	31,468	38,853	54,977
North Dakota	557	9,506	612	2,434	2,533	4,006
South Dakota	708	10,296	759	2,612	2,641	4,003
Nebraska	2,167	37,508	2,365	8,903	9,614	17,268
Kansas	2,864	36,271	3,144	10,065	9,636	16,837
South Atlantic	17,634	497,683	18,023	151,486	149,088	241,943
Delaware	813	14,435	795	4,109	4,780	6,549
Maryland	3,302	77,580	3,357	21,427	25,265	36,387
District of Columbia	1,147	54,920	1,073	13,933	19,605	25,396
Virginia	3,142	75,738	3,291	22,983	21,732	38,348
West Virginia	1,436	26,420	1,506	7,701	7,885	10,194
North Carolina	2,410	82,820	2,572	27,090	23,384	41,301
South Carolina	843	27,874	854	9,942	7,919	14,120
Georgia	1,936	66,456	1,996	22,451	18,060	34,059
Florida	2,605	71,431	2,579	21,850	20,458	35,589
East South Central	7,494	161,700	8,026	52,630	45,083	75,714
Kentucky	2,767	48,187	2,993	13,281	13,318	23,010
Tennessee	2,382	60,424	2,523	19,882	17,375	25,179
Alabama	1,233	36,060	1,322	13,042	9,958	19,201
Mississippi	1,112	17,029	1,188	6,425	4,432	8,234
West South Central	13,034	303,988	13,893	87,280	82,330	144,780
Arkansas	1,121	14,274	1,240	5,141	3,682	6,160
Louisiana	1,641	55,218	1,657	16,129	15,608	25,585
Oklahoma	2,106	47,497	2,217	12,820	13,293	23,394
Texas	8,166	186,999	8,779	53,190	49,747	89,641
Mountain	6,751	137,424	7,512	32,477	39,635	57,883
Montana	769	16,721	850	4,123	5,044	7,225
Idaho	708	13,715	821	3,077	4,095	4,982
Wyoming	556	9,104	624	2,255	2,555	3,573
Colorado	2,028	40,165	2,199	9,668	11,668	17,122
New Mexico	503	11,393	550	3,039	3,194	5,179
Arizona	865	15,296	936	3,751	4,509	6,560
Utah	1,104	24,398	1,287	5,270	6,726	10,664
Nevada	218	6,632	245	1,294	1,844	2,578
Pacific	29,093	539,530	32,884	116,452	166,057	231,750
Washington	3,478	83,840	3,743	17,113	27,282	30,066
Oregon	2,036	38,372	2,196	9,638	11,751	16,921
California	23,579	417,318	26,945	89,701	127,024	184,763

[1] Employees and pay roll include paid executives of corporations but not number and compensation of proprietors of unincorporated businesses. [2] Cost at site.

Source: Department of Commerce, Bureau of the Census; Census of Business, 1939, Vol. IV, Construction.

No. 889.—Number of Public Housing Units Completed for Occupancy: 1935 to 1949

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

Year	All public housing	Low-rent			War housing	Veterans' Reuse Housing
		Total	U. S. Housing Act	All other [1]		
Total	[2] 1,190,093	[2] 200,804	[3] 170,441	[2] 30,363	724,018	265,271
1935	3,932	3,932		3,932		
1936	1,213	1,213		1,213		
1937	7,849	7,849		7,849		
1938	17,319	17,319		17,319		
1939	3,858	3,858	3,858			
1940	31,940	31,940	31,940			
1941	119,634	59,848	59,848		59,786	
1942	158,266	37,537	37,537		120,729	
1943	374,729	27,325	27,325		347,404	
1944	153,158	2,831	2,831		150,327	
1945	45,026	2,949	2,949		40,171	1,906
1946	134,726	1,804	1,804		4,051	128,871
1947	107,097	466	466			106,631
1948	30,054	1,336	1,336		[4] 1,550	27,168
1949	1,242	547	547			695

[1] Includes PWA, Subsistence Homestead and Greenbelt Town projects.
[2] Includes 50 PWA units completed in 1934.
[3] Includes 60,489 units completed as war housing of which all but 1,400 units have been returned to low-rent use.
[4] Units completed for emergency flood projects in Portland-Vancouver area.

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

No. 890.—Number of Dwelling Units Owned or Supervised by the Public Housing Administration, by Program, as of Dec. 31, 1949

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

Program	Total		Federally owned	Locally owned
	Number	Net change since Dec. 31, 1948		
Total	616,264	−99,892	383,093	233,171
Active	592,117	−82,199	358,946	233,171
Veterans' Reuse Housing	71,451	−64,011	1,587	[1] 69,864
Under management	69,630	−63,105	1,587	68,043
Under construction	1,746	−832		1,746
Not under construction	75	−74		75
Public War Housing (Lanham constructed)	297,383	−20,881	297,383	
Homes conversion	16,154	−8,349	16,154	
U. S. Housing Act	204,872	+11,065	41,565	163,307
Under management	191,626	+744	41,565	150,061
Under construction	1,699	+197		1,699
Not under construction	11,547	+10,124		[2] 11,547
Public law 171	13,438	+13,438		13,438
Public Law 412	118,507	[3] −2,446	11,855	106,652
Public Law 671	51,287	+37	8,070	43,217
PWA	21,640	+36	21,640	
Subsistence Homestead and Greenbelt Towns	2,257	−23	2,257	
Inactive—Public War Housing (Lanham constructed)	14,802	−6,117	14,802	
Deferred—U. S. Housing Act	9,345	−11,576	9,345	

[1] This veterans' housing is so classified even though title or income rights may not yet be formally transferred.
[2] Includes 1,423 rural units not yet built but which are parts of active rural projects.
[3] Reflects reclassification to Public Law 171 of Public Law 412 projects built under McCarthy Act.

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

No. 891.—Number of Active Projects and Dwelling Units, Owned or Supervised by the Public Housing Administration, by State or Other Area, as of Dec. 31, 1949

[See headnote, table 890]

State or other area	Total program		Veterans reuse housing		War housing [1]		Low-rent housing [2]	
	Number of projects	Number of units	Number of projects	Number of units	Number of projects	Number of units	Number of projects	Number of units
Total	**2,419**	**592,117**	**616**	**71,451**	**1,090**	**313,537**	**713**	**207,129**
Alabama	64	14,941	6	760	32	8,458	26	5,723
Arizona	58	6,363	16	1,236	35	4,211	7	916
Arkansas	16	2,043	4	537	2	352	10	1,154
California	375	105,950	109	14,149	221	81,551	45	10,250
Colorado	13	2,126	5	862	3	494	5	770
Connecticut	81	18,077	12	798	52	11,046	17	6,233
Delaware	7	2,122			5	1,742	2	380
District of Columbia	33	7,675	2	898	19	3,264	12	3,513
Florida	61	11,843	9	728	20	3,781	32	7,334
Georgia	69	17,472	9	764	18	5,292	42	11,416
Idaho	16	1,046	8	466	5	421	3	159
Illinois	76	20,251	21	4,249	14	2,161	41	13,841
Indiana	54	8,872	16	1,293	20	3,951	18	3,628
Iowa	21	2,232	17	1,319	4	913		
Kansas	21	6,927	6	171	15	6,756		
Kentucky	26	5,269	6	223	2	519	18	4,527
Louisiana	29	8,160	3	172	7	1,490	19	6,498
Maine	13	1,948			13	1,948		
Maryland	51	18,635	4	308	32	12,078	15	6,249
Massachusetts	59	14,420	29	3,304	12	2,663	18	8,453
Michigan	80	26,827	9	828	60	18,410	11	7,589
Minnesota	15	1,083	13	556	1	63	1	464
Mississippi	35	4,827	5	739	9	1,907	21	2,181
Missouri	13	3,745	8	1,343	2	445	3	1,957
Montana	12	974	3	132	5	309	4	533
Nebraska	25	3,792	14	771	8	1,943	3	1,078
Nevada	18	1,749	7	196	11	1,553		
New Hampshire	5	1,361	1	80	4	1,281		
New Jersey	90	16,723	40	3,059	15	4,465	35	9,199
New Mexico	16	1,241	7	592	8	571	1	78
New York	99	35,434	60	10,737	17	5,961	22	18,736
North Carolina	40	7,614	3	288	17	3,837	20	3,489
North Dakota	6	160	6	160				
Ohio	118	34,203	22	2,581	57	15,448	39	16,174
Oklahoma	10	2,387	6	825	2	1,128	2	434
Oregon	58	10,807	8	625	47	9,582	3	600
Pennsylvania	130	37,172	7	1,166	73	22,122	50	13,884
Rhode Island	12	3,254	3	128	2	800	7	2,326
South Carolina	33	5,880	4	321	12	2,888	17	2,671
South Dakota	9	629	8	539	1	90		
Tennessee	38	9,832	5	1,050	8	1,689	25	7,093
Texas	125	28,188	31	5,002	46	12,175	48	11,011
Utah	30	6,720	13	1,874	17	4,846		
Vermont	8	699	5	376	3	323		
Virginia	56	25,952	5	833	36	22,118	15	3,001
Washington	89	27,354	7	717	73	23,030	9	3,607
West Virginia	22	1,925	10	368			12	1,557
Wisconsin	22	3,678	14	1,131	4	1,011	4	1,536
Wyoming	9	901	2	54	7	847		
Alaska	13	379	1	22	12	357		
Hawaii	12	4,077	6	1,989	2	1,247	4	841
Puerto Rico	27	6,052	1	132			26	5,920
Virgin Islands	1	126					1	126

[1] Includes Public War Housing (Lanham constructed), and Homes Conversion programs.
[2] Includes U. S. Housing Act and Subsistence Homestead—Greenbelt Towns program.

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

No. 892.—Dwelling Units, Urban and Rural—Occupied Units by Equipment and Facilities: May 1948

[Based on supplement to Current Population Survey of May 1948; see Sampling Note, p. 183]

Item	Percent distribution of occupied dwelling units				
	United States	Urban and rural-nonfarm			Rural-farm
		Total	Urban	Rural-nonfarm	
Percent of total	100.0	83.2	61.4	21.8	16.8
Bathtub or shower, total	100.0	100.0	100.0	100.0	100.0
Exclusive use	68.5	76.7	82.9	59.4	27.4
Shared	4.6	5.4	6.8	1.5	.7
None	26.9	17.9	10.3	39.1	71.8
Cooking equipment, total	100.0	100.0	100.0	100.0	100.0
Exclusive use	99.1	99.0	99.0	99.2	99.5
Shared	.4	.4	.4	.4	.1
None	.5	.5	.6	.4	.4
Kitchen sink, total	100.0	100.0	100.0	100.0	100.0
Exclusive use	81.4	88.7	93.6	74.7	45.3
Shared	.5	.6	.7	.2	.2
None	18.1	10.8	5.7	25.0	54.5
Entrance to living quarters, total	100.0	100.0	100.0	100.0	100.0
Direct from outside	81.1	77.5	70.7	96.8	98.7
From a common hall	17.7	21.1	27.6	2.7	.9
Other	1.2	1.4	1.7	.5	.4

Source: Department of Commerce, Bureau of the Census; Current Population Report, Housing, Series P-70, No. 3.

No. 893.—Dwelling Units in Single-Unit and in Multi-Unit Structures, Urban and Rural—Occupied Units by Equipment and Facilities: May 1948

[Based on supplement to Current Population Survey of May 1948; see Sampling Note, p. 183]

Item	Percent distribution of occupied dwelling units				
	United States	Urban and rural-nonfarm			Rural-farm
		Total	Urban	Rural-nonfarm	
BATHING EQUIPMENT, COOKING EQUIPMENT, KITCHEN SINK					
Percent of total	100.0	83.2	61.4	21.8	16.8
Total	100.0	100.0	100.0	100.0	100.0
In single-unit structures	67.2	61.5	52.3	87.2	95.7
Bathtub or shower for exclusive use	43.7	47.2	45.5	52.1	26.3
Shared or none	23.5	14.2	6.8	35.1	69.4
Cooking equipment for exclusive use	66.9	61.2	52.1	86.9	95.2
Shared or none	.3	.2	.2	.3	.4
Kitchen sink for exclusive use	51.4	53.0	48.9	64.7	43.2
Shared or none	15.8	8.4	3.4	22.6	52.5
In multi-unit structures	32.8	38.5	47.7	12.8	4.3
Bathtub or shower for exclusive use	24.7	29.5	37.4	7.3	1.1
Shared or none	8.1	9.0	10.3	5.4	3.2
Cooking equipment for exclusive use	32.2	37.8	46.9	12.3	4.2
Shared or none	.6	.7	.8	.5	(1)
Kitchen sink for exclusive use	30.0	35.6	44.8	10.1	2.1
Shared or none	2.8	2.9	2.9	2.7	2.2
ENTRANCE TO LIVING QUARTERS					
Total	100.0	100.0	100.0	100.0	100.0
In single-unit structures	67.2	61.5	52.3	87.2	95.7
In multi-unit structures	32.8	38.5	47.7	12.8	4.3
Direct from outside	13.9	16.1	18.4	9.5	3.0
From a common hall	17.7	21.1	27.6	2.7	.9
Other	1.2	1.4	1.7	.5	.4

[1] Less than one-tenth of 1 percent.

Source: Department of Commerce, Bureau of the Census; Current Population Report, Housing, Series P-70, No. 3.

No. 894.—Dwelling Units, Urban and Rural—Occupied Units by Type of Cooking Equipment and Fuel Used: May 1948

[Based on supplement to Current Population Survey of May 1948; see Sampling Note, p. 183]

Cooking equipment	Percent of total	Percent distribution of occupied dwelling units							
		Total	Principal fuel used for cooking						
			Piped gas	Tank gas	Electricity	Wood	Kerosene or gasoline	Coal or coke	Other
UNITED STATES									
Total	100.0	100.0	53.3	7.0	12.6	11.1	8.5	7.3	0.2
1 or 2 burners	3.0	100.0	18.4	2.3	18.6	15.0	27.8	17.5	.4
3 or more burners	97.0	100.0	54.4	7.1	12.4	11.0	7.9	7.0	.2
Built-in oven	94.8	100.0	55.3	7.2	12.7	11.1	6.4	7.1	.2
No built-in oven	2.3	100.0	18.1	3.1	3.3	5.3	68.9	1.3	-------
URBAN AND RURAL—NONFARM									
Total	100.0	100.0	63.5	5.1	12.7	4.8	7.2	6.5	.2
1 or 2 burners	2.9	100.0	22.6	2.3	20.0	9.7	28.8	16.5	.2
3 or more burners	97.1	100.0	64.7	5.2	12.5	4.7	6.5	6.2	.2
Built-in oven	95.0	100.0	65.7	5.2	12.7	4.7	5.2	6.3	.2
No built-in oven	2.1	100.0	22.7	2.6	3.6	3.6	65.9	1.7	-------
URBAN									
Total	100.0	100.0	77.7	1.6	10.1	2.4	4.3	3.8	.2
1 or 2 burners	2.6	100.0	32.0	-------	22.4	6.4	23.5	15.7	-------
3 or more burners	97.4	100.0	78.9	1.6	9.8	2.3	3.8	3.5	.2
Built-in oven	95.8	100.0	79.5	1.6	9.9	2.3	3.0	3.5	.2
No built-in oven	1.5	100.0	39.6	.9	2.3	1.4	55.4	.5	-------
RURAL-NONFARM									
Total	100.0	100.0	23.7	14.9	20.2	11.6	15.2	14.2	.2
1 or 2 burners	3.6	100.0	3.2	6.9	14.9	16.5	39.9	18.1	.5
3 or more burners	96.4	100.0	24.5	15.2	20.4	11.4	14.2	14.1	.2
Built-in oven	92.6	100.0	25.3	15.6	21.0	11.6	11.6	14.5	.2
No built-in oven	3.8	100.0	4.0	4.5	5.0	6.0	77.5	3.0	-------
RURAL-FARM									
Total	100.0	100.0	3.0	16.2	12.0	42.3	15.1	10.9	.4
1 or 2 burners	3.3	100.0	-------	2.3	12.9	37.9	23.5	22.0	1.5
3 or more burners	96.7	100.0	3.1	16.7	12.0	42.4	14.9	10.5	.4
Built-in oven	93.6	100.0	3.1	17.1	12.3	43.4	12.7	10.9	.4
No built-in oven	3.1	100.0	2.4	4.8	2.4	11.3	79.0	-------	-------

Source: Department of Commerce, Bureau of the Census; Current Population Report, Housing, Series P-70, No. 3.

No. 895.—Dwelling Units, Urban and Rural—Characteristics of Occupied Units, 1947

[Based on Current Population Survey of April 1947; see Sampling Note, p. 183]

Subject	Number (thousands, except medians)				Percent distribution			
	Total	Urban	Rural-non-farm	Rural-farm	Total	Urban	Rural-non-farm	Rural-farm
All occupied dwelling units	**39,016**	**23,835**	**8,519**	**6,662**	**100.0**	**100.0**	**100.0**	**100.0**
Owner	21,347	11,547	5,478	4,322	54.7	48.4	64.3	64.9
Tenant	17,669	12,288	3,041	2,340	45.3	51.6	35.7	35.1
White	35,495	21,594	7,917	5,984	91.0	90.6	92.9	89.8
Nonwhite	3,521	2,241	602	678	9.0	9.4	7.1	10.2
STATE OF REPAIR AND PLUMBING EQUIPMENT								
With private bath and private flush toilet	26,436	20,095	4,885	1,456	67.8	84.3	57.3	21.9
With private flush toilet, no private bath	1,522	1,137	287	98	3.9	4.8	3.4	1.5
With running water, no private flush toilet	3,432	1,589	1,038	805	8.8	6.7	12.2	12.1
No running water in dwelling unit	7,626	1,014	2,309	4,303	19.5	4.3	27.1	64.6
In good condition or need minor repairs	**35,574**	**22,267**	**7,677**	**5,630**	**91.2**	**93.4**	**90.1**	**84.5**
With private bath and private flush toilet	25,667	19,505	4,744	1,418	65.8	81.8	55.7	21.3
With private flush toilet, no private bath	1,262	912	260	90	3.2	3.8	3.1	1.4
With running water, no private flush toilet	2,863	1,224	927	712	7.3	5.1	10.9	10.7
No running water in dwelling unit	5,782	626	1,746	3,410	14.8	2.6	20.5	51.2
In need of major repairs	**3,442**	**1,568**	**842**	**1,032**	**8.8**	**6.6**	**9.9**	**15.5**
With private bath and private flush toilet	769	590	141	38	2.0	2.5	1.7	.6
With private flush toilet, no private bath	260	225	27	8	.7	.9	.3	.1
With running water, no private flush toilet	569	365	111	93	1.5	1.5	1.3	1.4
No running water in dwelling unit	1,844	388	563	893	4.7	1.6	6.6	13.4
DESIGNATED FACILITIES [1]								
Having all designated facilities	26,102	19,803	4,807	1,402	66.9	83.5	56.4	21.0
Lacking one or more designated facilities	12,914	3,942	3,712	5,260	33.1	16.5	43.6	79.0
NUMBER OF ROOMS								
1 room	707	470	162	75	1.8	2.0	1.9	1.1
2 rooms	2,608	1,753	512	333	6.7	7.4	6.0	5.0
3 rooms	5,265	3,370	1,116	779	13.5	14.1	13.1	11.7
4 rooms	7,887	4,613	1,956	1,318	20.2	19.4	23.0	19.8
5 rooms	8,601	5,470	1,934	1,197	22.0	22.9	22.7	18.0
6 rooms	7,230	4,634	1,452	1,144	18.5	19.4	17.0	17.2
7 rooms	3,349	1,862	712	775	8.6	7.8	8.4	11.6
8 or more rooms	3,379	1,663	675	1,041	8.7	7.0	7.9	15.6
Median number of rooms	4.85	4.81	4.77	5.19	-------	-------	-------	-------
SIZE OF H[illegible]HOLD								
1 person	2,864	1,983	621	260	7.3	8.3	7.3	3.9
2 persons	10,596	6,627	2,383	1,586	27.2	27.8	28.0	23.8
3 persons	8,954	5,659	1,890	1,405	22.9	23.7	22.2	21.1
4 persons	7,359	4,466	1,633	1,260	18.9	18.7	19.2	18.9
5 persons	4,344	2,544	964	836	11.1	10.7	11.3	12.5
6 persons	2,273	1,246	464	563	5.8	5.2	5.4	8.5
7 persons	1,140	607	247	286	2.9	2.5	2.9	4.3
8 or more persons	1,486	703	317	466	3.8	2.9	3.7	7.0
Median number of persons	3.18	3.08	3.16	3.56	-------	-------	-------	-------
PERSONS PER ROOM								
0.50 or less	13,651	8,234	3,065	2,352	35.0	34.5	36.0	35.3
0.51 to 1.50	22,998	14,553	4,793	3,652	58.9	61.1	56.3	54.8
1.51 or more	2,367	1,048	661	658	6.1	4.4	7.8	9.9
CENTRAL HEATING								
With central heating	19,565	15,296	3,123	1,146	50.1	64.2	36.7	17.2
Without central heating	19,451	8,539	5,396	5,516	49.9	35.8	63.3	82.8
ELECTRIC LIGHTING								
With electric lighting	35,414	23,414	7,785	4,215	90.8	98.2	91.4	63.3
Without electric lighting	3,602	421	734	2,447	9.2	1.8	8.6	36.7
INSTALLED COOKING FACILITIES								
With installed cooking facilities	37,860	23,367	8,184	6,309	97.0	98.0	96.1	94.7
Without installed cooking facilities	1,156	468	335	353	3.0	2.0	3.9	5.3

[1] Electric lighting and running water; flush toilet, bathtub or shower; and installed cooking facilities for exclusive use of unit's occupants.

Source: Dept. of Commerce, Bureau of Census; Current Population Report, Housing, Series P-70 No. 1.

No. 896.—Dwelling Units, Urban and Rural—Occupancy, Tenure and Color of Occupants: 1940

Occupancy, and tenure and color of occupants	Number				Percent distribution			
	Total	Urban	Rural-nonfarm	Rural-farm	Total	Urban	Rural-nonfarm	Rural-farm
Occupancy								
All dwelling units	37,325,470	21,616,352	8,066,837	7,642,281	100.0	57.9	21.6	20.5
Occupied	34,854,532	20,596,500	7,151,473	7,106,559	100.0	59.1	20.5	20.4
Vacant, for sale or rent	1,864,383	918,297	510,676	435,410	100.0	49.3	27.4	23.4
Ordinary	1,475,374	826,243	275,940	373,191	100.0	56.0	18.7	25.3
Seasonal	341,831	65,074	224,670	52,087	100.0	19.0	65.7	15.2
Not reporting	47,178	26,980	10,066	10,132	100.0	57.2	21.3	21.5
Vacant, not for sale or rent	606,555	101,555	404,688	100,312	100.0	16.7	66.7	16.5
Held for absent household	500,913	69,599	346,556	84,758	100.0	13.9	69.2	16.9
Ordinary	164,516	45,203	67,044	52,269	100.0	27.5	40.8	31.8
Seasonal	336,397	24,396	279,512	32,489	100.0	7.3	83.1	9.7
Occupied by nonresident household	105,642	31,956	58,132	15,554	100.0	30.2	55.0	14.7
Ordinary	44,276	21,967	13,474	8,835	100.0	49.6	30.4	20.0
Seasonal	61,366	9,989	44,658	6,719	100.0	16.3	72.8	10.9
Tenure and color								
Occupied dwelling units	34,854,532	20,596,500	7,151,473	7,106,559	100.0	59.1	20.5	20.4
Owner	15,195,763	7,714,960	3,698,076	3,782,727	100.0	50.8	24.3	24.9
Tenant	19,658,769	12,881,540	3,453,397	3,323,832	100.0	65.5	17.6	16.9
Occupied by white household	31,561,126	18,868,480	6,590,687	6,101,959	100.0	59.8	20.9	19.3
Owner	14,418,092	7,372,835	3,494,220	3,551,037	100.0	51.1	24.2	24.6
Tenant	17,143,034	11,495,645	3,096,467	2,550,922	100.0	67.1	18.1	14.9
Occupied by nonwhite household	3,293,406	1,728,020	560,786	1,004,600	100.0	52.5	17.0	30.5
Owner	777,671	342,125	203,856	231,690	100.0	44.0	26.2	29.8
Tenant	2,515,735	1,385,895	356,930	772,910	100.0	55.1	14.2	30.7

Source: Department of Commerce, Bureau of the Census; Sixteenth Census Reports, Housing, Vol. II, Part 1.

No. 897.—Occupied Dwelling Units or Families—Tenure: 1890 to 1940

[1940 figures based on occupied dwelling units; not strictly comparable with data for private families, but differences are negligible. Figures for 1900 and 1930 represent private families only; those for 1890, 1910, and 1920 include small number of quasi-family groups. For 1947 data, see table 895]

Area and year	Occupied dwelling units or families	Reporting tenure	Owner		Tenant	
			Number	Percent	Number	Percent
United States:						
1890 [1]	12,690,152	12,690,152	6,066,417	47.8	6,623,735	52.2
1900	15,963,965	15,428,987	7,205,212	46.7	8,223,775	53.3
1910	20,255,555	19,781,606	9,083,711	45.9	10,697,895	54.1
1920	24,351,676	23,810,558	10,866,960	45.6	12,943,598	54.4
1930	29,904,663	29,321,891	14,002,074	47.8	15,319,817	52.2
1940 [1]	34,854,532	34,854,532	15,195,763	43.6	19,658,769	56.4
Urban:						
1930	17,372,524	17,113,913	7,432,554	43.4	9,681,359	56.6
1940	20,596,500	20,596,500	7,714,960	37.5	12,881,540	62.5
Rural-nonfarm:						
1930	5,927,502	5,803,159	3,117,418	53.7	2,685,741	46.3
1940	7,151,473	7,151,473	3,698,076	51.7	3,453,397	48.3
Rural-farm:						
1930	6,604,637	6,404,819	3,452,102	53.9	2,952,717	46.1
1940	7,106,559	7,106,559	3,782,727	53.2	3,323,832	46.8

[1] Includes estimated data for those of unknown tenure.

Source: Department of Commerce, Bureau of the Census; Sixteenth Census Reports, Housing, Vol. II, Part 1.

No. 898.—Dwelling Units, Urban and Rural—Occupancy and Tenure, by Average and Median Monthly Rent: 1940

[For urban and rural-nonfarm units, monthly rent includes land; for farm units, farm land is excluded. Monthly rental data include contract rent of tenant-occupied nonfarm units and estimated rent of other units. Monthly rent of owner-occupied rural-farm units is an estimate based on 1 percent of reported value]

AREA AND SUBJECT	All dwelling units	Owner occupied	Tenant occupied	Vacant, for sale or rent	Vacant, not for sale or rent
REPORTING MONTHLY RENT					
Total	35,938,118	14,403,635	19,223,611	1,749,702	561,170
Urban and rural-nonfarm	29,129,996	11,129,428	16,177,770	1,350,647	472,151
Urban	21,239,794	7,488,676	12,790,473	867,613	93,032
Rural-nonfarm	7,890,202	3,640,752	3,387,297	483,034	379,119
Rural-farm	6,808,122	3,274,207	3,045,841	399,055	89,019
AVERAGE MONTHLY RENT					
Total	$24.15	$27.47	$21.17	$26.55	$33.30
Urban and rural-nonfarm	27.45	31.52	23.95	32.60	37.09
Urban	30.83	36.69	27.01	34.83	47.24
Rural-nonfarm	18.35	20.88	12.36	28.59	34.59
Rural-farm	10.00	13.69	6.45	6.09	13.22
MEDIAN MONTHLY RENT [1]					
Total	$20.09	$23.17	$18.22	$18.59	$21.52
Urban and rural-nonfarm	23.73	27.45	21.41	24.60	24.25
Urban	27.31	32.59	24.60	27.98	32.28
Rural-nonfarm	13.20	16.21	10.08	17.19	22.57
Rural-farm	5.97	9.78	4.72	3.84	6.29

[1] For definition of median, see headnote, table 904.

Source: Department of Commerce, Bureau of the Census; Sixteenth Census Reports, Housing, Vol. II, Part 1.

No. 899.—Dwelling Units, Urban and Rural—Estimated Total Monthly Rent and Estimated Total Value: 1940

[For urban and rural-nonfarm units, monthly rent and value include land; for farm units, farm land is excluded. Monthly rental data include contract rent of tenant-occupied nonfarm units and estimated rent of other units. Monthly rent of owner-occupied rural-farm units is an estimate based on 1 percent of reported value. Value of owner-occupied units represents the owners' estimate of the value. For tenant-occupied and vacant units value was estimated as 100 times the monthly rent. Value or rent of units for which these data were not reported was estimated by assuming that the average value or rent of such units was the same as the value or rent of reporting units in the corresponding tenure and occupancy group of the urban and rural areas of each region]

[In thousands]

SUBJECT AND OCCUPANCY STATUS	Total	Urban	Rural-nonfarm	Rural-farm
Estimated total monthly rent of all dwelling units	$893,715	$668,362	$148,565	$76,788
Owner-occupied	411,906	283,508	77,211	51,187
Tenant-occupied	412,287	347,984	42,705	21,598
Vacant, for sale or rent	49,422	32,068	14,678	2,676
Vacant, not for sale or rent	20,101	4,802	13,971	1,327
Estimated total value of all dwelling units	$95,439,310	$71,110,397	$16,267,971	$8,060,942
Owner-occupied	46,151,888	31,929,917	8,914,115	5,307,855
Tenant-occupied	42,211,598	35,442,459	4,443,164	2,325,975
Vacant, for sale or rent	5,035,391	3,252,718	1,493,318	289,355
Vacant, not for sale or rent	2,040,433	485,302	1,417,373	137,757

Source: Department of Commerce, Bureau of the Census; Sixteenth Census Reports, Housing, Special Reports, Series H-1943, No. 1.

No. 900.—Dwelling Units, Urban and Rural—Type of Structure, Number of Rooms, and Facilities: 1940

Subject	Number: Total	Number: Urban	Number: Rural-nonfarm	Number: Rural-farm	Percent distribution: Total	Percent distribution: Urban	Percent distribution: Rural-nonfarm	Percent distribution: Rural-farm
TYPE OF STRUCTURE								
All dwelling units	37,325,470	21,616,352	8,066,837	7,642,281	100.0	100.0	100.0	100.0
1-family detached	23,730,637	9,684,186	6,710,134	7,336,317	63.6	44.8	83.2	96.0
1-family attached	1,178,318	974,546	141,981	61,791	3.2	4.5	1.8	.8
2-family side-by-side	1,656,858	1,215,558	355,024	86,276	4.4	5.6	4.4	1.1
2-family other	3,464,282	3,011,204	352,114	100,964	9.3	13.9	4.4	1.3
3-family	1,384,644	1,271,559	101,373	11,712	3.7	5.9	1.3	.2
4-family	874,732	824,024	47,544	3,164	2.3	3.8	.6	(1)
1- to 4-family business	940,726	713,048	212,227	15,451	2.5	3.3	2.6	.2
5- to 9-family	1,492,145	1,437,293	51,043	3,809	4.0	6.6	.6	(1)
10- to 19-family	854,266	836,946	15,614	1,706	2.3	3.9	.2	(1)
20-family or more	1,581,887	1,571,186	9,901	800	4.2	7.3	.1	(1)
Other dwelling place	166,975	76,802	69,882	20,291	.4	.4	.9	.3
CONVERSION								
Number reporting	36,610,744	21,176,969	7,916,203	7,517,572	100.0	100.0	100.0	100.0
In nonconverted structures	33,207,629	18,591,550	7,325,671	7,290,408	90.7	87.8	92.5	97.0
In converted structures	3,403,115	2,585,419	590,532	227,164	9.3	12.2	7.5	3.0
Converted to different number of units	2,940,377	2,352,425	410,885	177,067	8.0	11.1	5.2	2.4
Converted from nonresidential	462,738	232,994	179,647	50,097	1.3	1.1	2.3	.7
YEAR BUILT								
Number reporting	34,664,339	19,747,848	7,582,641	7,333,850	100.0	100.0	100.0	100.0
1935 to 1940	3,190,264	1,215,295	1,256,282	718,687	9.2	6.2	16.6	9.8
1930 to 1934	2,337,832	977,927	788,711	571,194	6.7	5.0	10.4	7.8
1925 to 1929	4,554,531	3,032,741	954,618	567,172	13.1	15.4	12.6	7.7
1920 to 1924	3,960,733	2,455,596	809,960	695,177	11.4	12.4	10.7	9.5
1910 to 1919	6,445,480	3,784,521	1,224,220	1,436,739	18.6	19.2	16.1	19.6
1900 to 1909	6,116,557	3,731,590	1,064,594	1,320,373	17.6	18.9	14.0	18.0
1890 to 1899	3,563,847	2,221,775	581,755	760,317	10.3	11.3	7.7	10.4
1880 to 1889	1,952,257	1,149,558	341,977	460,722	5.6	5.8	4.5	6.3
1860 to 1879	1,535,297	801,704	304,768	428,825	4.4	4.1	4.0	5.8
1859 or earlier	1,007,541	377,141	255,756	374,644	2.9	1.9	3.4	5.1
Median age (years)[2]	25.4	26.1	20.2	28.1	------	------	------	------
NUMBER OF ROOMS								
Number reporting	36,832,186	21,339,428	7,951,314	7,541,444	100.0	100.0	100.0	100.0
1 room	1,307,344	760,796	341,918	204,630	3.5	3.6	4.3	2.7
2 rooms	3,215,423	1,710,499	793,055	711,869	8.7	8.0	10.0	9.4
3 rooms	5,331,572	3,104,302	1,107,032	1,120,238	14.5	14.5	13.9	14.9
4 rooms	6,891,990	3,815,290	1,568,730	1,507,970	18.7	17.9	19.7	20.0
5 rooms	7,302,053	4,648,797	1,503,556	1,149,700	19.8	21.8	18.9	15.2
6 rooms	6,321,630	4,001,856	1,252,022	1,067,752	17.2	18.8	15.7	14.2
7 rooms	2,868,719	1,559,344	632,364	677,011	7.8	7.3	8.0	9.0
8 rooms	1,886,121	916,878	406,534	562,709	5.1	4.3	5.1	7.5
9 rooms	737,986	349,386	151,055	237,545	2.0	1.6	1.9	3.1
10 rooms	481,339	228,027	97,582	155,730	1.3	1.1	1.2	2.1
11 rooms or more	488,009	244,253	97,466	146,290	1.3	1.1	1.2	1.9
Median number of rooms[2]	4.73	4.78	4.61	4.70	------	------	------	------
STATE OF REPAIR AND PLUMBING EQUIPMENT								
Number reporting	35,026,442	20,063,571	7,659,437	7,303,434	100.0	100.0	100.0	100.0
Not needing major repairs	28,612,715	17,764,681	6,022,946	4,825,088	81.7	88.5	78.6	66.1
With private bath and private flush toilet	17,793,341	14,327,960	2,767,351	698,030	50.8	71.4	36.1	9.6
With private flush toilet, no private bath	1,165,654	912,687	221,326	31,641	3.3	4.5	2.9	.4
With running water, no private flush toilet	2,814,261	1,688,425	755,804	370,032	8.0	8.4	9.9	5.1
No running water in dwelling unit	6,839,459	835,609	2,278,465	3,725,385	19.5	4.2	29.7	51.0
Needing major repairs	6,413,727	2,298,890	1,636,491	2,478,346	18.3	11.5	21.4	33.9
With private bath and private flush toilet	1,381,003	1,061,711	242,804	76,488	3.9	5.3	3.2	1.0
With private flush toilet, no private bath	336,125	283,157	46,659	6,309	1.0	1.4	.6	.1
With running water, no private flush toilet	811,910	473,416	229,159	109,335	2.3	2.4	3.0	1.5
No running water in dwelling unit	3,884,689	480,606	1,117,869	2,286,214	11.1	2.4	14.6	31.3
LIGHTING EQUIPMENT								
Number reporting	36,746,762	21,283,388	7,950,578	7,512,796	100.0	100.0	100.0	100.0
Electric	28,915,487	20,379,352	6,185,090	2,351,045	78.7	95.8	77.8	31.3
Gas	207,922	54,088	54,422	99,412	.6	.3	.7	1.3
Kerosene or gasoline	7,409,732	814,645	1,658,679	4,936,408	20.2	3.8	20.9	65.7
Other	213,621	35,303	52,387	125,931	.6	.2	.7	1.7

[1] Less than one-tenth of 1 percent.

[2] For definition of median, see headnote, table 904.

Source: Dept. of Comm., Bur. of Census; Sixteenth Census Reports, Housing, Vol. II, Part 1.

No. 901.—Dwelling Units, Urban and Rural—Occupied Units by Persons Per Room, Facilities and Equipment, and Mortgage Status: 1940

Subject	Number: Total	Number: Urban	Number: Rural-nonfarm	Number: Rural-farm	Percent distribution: Total	Percent distribution: Urban	Percent distribution: Rural-nonfarm	Percent distribution: Rural-farm
All occupied dwelling units	34,854,532	20,596,500	7,151,473	7,106,559	------	------	------	------
PERSONS PER ROOM								
Number reporting	34,447,032	20,364,883	7,064,895	7,017,254	100.0	100.0	100.0	100.0
0.50 or less	10,846,471	6,396,768	2,387,838	2,061,865	31.5	31.4	33.8	29.4
0.51 to 0.75	8,063,070	5,235,872	1,478,639	1,348,559	23.4	25.7	20.9	19.2
0.76 to 1.00	8,572,597	5,502,614	1,595,885	1,474,098	24.9	27.0	22.6	21.0
1.01 to 1.50	3,878,972	2,058,996	815,678	1,004,298	11.3	10.1	11.5	14.3
1.51 to 2.00	1,951,904	846,888	468,075	636,941	5.7	4.2	6.6	9.1
2.01 or more	1,134,018	323,745	318,780	491,493	3.3	1.6	4.5	7.0
RADIO								
Number reporting	33,890,506	20,010,014	6,969,455	6,911,037	100.0	100.0	100.0	100.0
With radio	28,048,219	18,386,121	5,502,730	4,159,368	82.8	91.9	79.0	60.2
No radio	5,842,287	1,623,893	1,466,725	2,751,669	17.2	8.1	21.0	39.8
REFRIGERATION EQUIPMENT								
Number reporting	34,205,414	20,253,009	7,016,193	6,936,212	100.0	100.0	100.0	100.0
Mechanical	15,093,346	11,339,901	2,718,532	1,034,913	44.1	56.0	38.7	14.9
Ice	9,253,063	6,395,522	1,613,169	1,244,372	27.1	31.6	23.0	17.9
Other	494,421	113,870	105,110	275,441	1.4	.6	1.5	4.0
None	9,364,584	2,403,716	2,579,382	4,381,486	27.4	11.9	36.8	63.2
COOKING FUEL								
Number reporting	34,342,311	20,290,588	7,050,578	7,001,145	100.0	100.0	100.0	100.0
Coal or coke	3,961,550	1,627,369	1,348,298	985,883	11.5	8.0	19.1	14.1
Wood	8,101,610	1,221,118	2,013,147	4,867,345	23.6	6.0	28.6	69.5
Gas	16,776,077	14,818,814	1,691,570	265,693	48.8	73.0	24.0	3.8
Electricity	1,837,503	1,038,295	613,189	186,019	5.4	5.1	8.7	2.7
Kerosene or gasoline	3,343,936	1,399,900	1,314,246	629,790	9.7	6.9	18.6	9.0
Other	178,728	82,469	39,276	56,983	.5	.4	.6	.8
None	142,907	102,623	30,852	9,432	.4	.5	.4	.1
HEATING EQUIPMENT								
Number reporting	34,149,065	20,190,303	7,004,175	6,954,587	100.0	100.0	100.0	100.0
With central heating	14,346,835	11,749,595	1,893,194	704,046	42.0	58.2	27.0	10.1
Steam or hot water system	7,427,754	6,619,331	669,217	139,206	21.8	32.8	9.6	2.0
Piped warm air system	5,725,394	4,472,616	878,064	374,714	16.8	22.2	12.5	5.4
Pipeless warm air furnace	1,193,687	657,648	345,913	190,126	3.5	3.3	4.9	2.7
Without central heating	19,802,230	8,440,708	5,110,981	6,250,541	58.0	41.8	73.0	89.9
Heating stove	15,928,323	7,081,478	4,286,929	4,559,916	46.6	35.1	61.2	65.6
Other or none	3,873,907	1,359,230	824,052	1,690,625	11.3	6.7	11.8	24.3
HEATING FUEL BY CENTRAL HEATING								
Reporting heating equipment	34,149,065	20,190,303	7,004,175	6,954,587	100.0	100.0	100.0	100.0
With central heating:								
Coal or coke	10,903,163	8,971,473	1,442,536	489,154	31.9	44.4	20.6	7.0
Wood	373,322	119,544	82,665	171,113	1.1	.6	1.2	2.5
Gas	1,109,587	983,683	114,239	11,665	3.2	4.9	1.6	.2
Fuel oil	1,687,737	1,428,188	231,755	27,794	4.9	7.1	3.3	.4
Other	78,215	66,083	9,621	2,511	.2	.3	.1	(1)
Not reporting fuel	194,811	180,624	12,378	1,809	.6	.9	.2	(1)
Without central heating:								
Coal or coke	7,622,427	3,850,639	2,288,734	1,483,054	22.3	19.1	32.7	21.3
Wood	7,362,155	1,063,340	1,837,154	4,461,661	21.6	5.3	26.2	64.2
Gas	2,728,381	2,139,792	484,962	103,627	8.0	10.6	6.9	1.5
Fuel oil	1,220,243	830,740	286,691	102,812	3.6	4.1	4.1	1.5
Kerosene or gasoline	486,479	333,629	107,788	45,062	1.4	1.7	1.5	.6
Other	50,022	27,617	12,405	10,000	.1	.1	.2	.1
None	262,648	161,466	71,196	29,986	.8	.8	1.0	.4
Not reporting fuel	69,875	33,485	22,051	14,339	.2	.2	.3	.2
MORTGAGE STATUS								
Owner-occupied nonfarm units	11,413,036	7,714,960	3,698,076	----------	------	------	------	------
Reporting mortgage status [2]	10,611,259	7,275,576	3,335,683	----------	100.0	100.0	100.0	------
Mortgaged	4,804,778	3,682,839	1,121,939	----------	45.3	50.6	33.6	------
Free of mortgage	5,806,481	3,592,737	2,213,744	----------	54.7	49.4	66.4	------
INCLUSION OF FURNITURE IN RENT								
Tenant-occupied nonfarm units	16,334,937	12,881,540	3,453,397	----------	------	------	------	------
Number reporting	14,680,168	11,784,595	2,895,573	----------	100.0	100.0	100.0	------
Furniture included in contract rent	1,850,901	1,634,304	216,597	----------	12.6	13.9	7.5	------
Furniture not included	12,829,267	10,150,291	2,678,976	----------	87.4	86.1	92.5	------

[1] Less than one-tenth of 1 percent.
[2] Mortgage data are limited to owner-occupied nonfarm units in structures without business and containing not more than 4 dwelling units.

Source: Dept. of Commerce, Bureau of Census; Sixteenth Census Reports, Housing, Vol. II, Part 1.

No. 902.—Dwelling Units, Urban and Rural—Total and Occupied, by States: 1940

Division and State	All dwelling units: Total	All dwelling units: Urban	All dwelling units: Rural-nonfarm	All dwelling units: Rural-farm	Occupied dwelling units: Total	Occupied dwelling units: Urban	Occupied dwelling units: Rural-nonfarm	Occupied dwelling units: Rural-farm
United States	**37,325,470**	**21,616,352**	**8,066,837**	**7,642,281**	**34,854,532**	**20,596,500**	**7,151,473**	**7,106,559**
New England	**2,438,329**	**1,762,742**	**526,411**	**149,176**	**2,201,421**	**1,674,259**	**395,506**	**131,656**
Maine	260,659	94,787	120,424	45,448	218,968	88,406	90,186	40,376
New Hampshire	158,044	79,549	59,260	19,235	132,936	75,355	41,550	16,031
Vermont	106,362	33,746	44,036	28,580	92,435	32,465	35,164	24,806
Massachusetts	1,221,252	1,059,441	135,579	26,232	1,120,694	1,002,433	94,541	23,720
Rhode Island	203,469	181,143	19,407	2,919	187,706	171,236	13,860	2,610
Connecticut	488,543	314,076	147,705	26,762	448,682	304,364	120,205	24,113
Middle Atlantic	**7,874,403**	**6,005,483**	**1,407,247**	**461,673**	**7,277,897**	**5,666,299**	**1,186,295**	**425,303**
New York	4,032,460	3,279,539	547,515	205,406	3,662,113	3,055,520	423,279	183,305
New Jersey	1,223,887	961,347	226,514	36,026	1,100,260	899,637	167,675	32,948
Pennsylvania	2,618,056	1,764,597	633,218	220,241	2,515,524	1,711,133	595,341	209,050
East North Central	**7,681,568**	**5,010,041**	**1,455,338**	**1,216,189**	**7,275,239**	**4,853,482**	**1,269,920**	**1,151,837**
Ohio	1,977,693	1,331,713	365,025	280,955	1,897,796	1,291,248	338,164	268,384
Indiana	1,005,952	555,147	228,338	222,467	961,498	541,073	208,010	212,415
Illinois	2,280,826	1,687,563	333,505	259,758	2,192,724	1,633,017	310,446	249,261
Michigan	1,519,378	958,532	322,921	237,925	1,396,014	924,913	252,211	218,890
Wisconsin	897,719	477,086	205,549	215,084	827,207	463,231	161,089	202,887
West North Central	**3,915,903**	**1,793,744**	**880,659**	**1,241,500**	**3,688,149**	**1,717,276**	**815,294**	**1,155,579**
Minnesota	773,042	394,693	159,769	218,580	728,359	383,336	135,689	209,334
Iowa	726,654	320,989	168,924	236,741	701,824	312,393	161,077	228,354
Missouri	1,140,493	609,286	219,366	311,841	1,068,642	573,347	204,507	290,788
North Dakota	162,881	35,118	49,063	78,700	152,043	34,069	47,024	70,950
South Dakota	179,744	45,281	53,087	81,376	165,428	43,558	49,548	72,322
Nebraska	387,368	153,358	94,515	139,495	360,744	146,259	89,390	125,095
Kansas	545,721	235,019	135,935	174,767	511,109	224,314	128,059	158,736
South Atlantic	**4,547,316**	**1,923,265**	**1,266,878**	**1,357,173**	**4,278,771**	**1,828,329**	**1,179,744**	**1,270,698**
Delaware	75,567	38,181	25,029	12,357	70,541	37,070	21,830	11,641
Maryland	500,156	297,243	143,734	59,179	465,683	286,505	124,112	55,066
Dist. of Columbia	185,128	185,128	----------	----------	173,445	173,445	----------	----------
Virginia	659,787	252,179	184,768	222,840	627,532	244,105	174,219	209,208
West Virginia	459,725	144,152	199,660	115,913	444,815	140,556	192,771	111,488
North Carolina	820,888	246,060	227,681	347,147	789,659	239,917	217,703	332,039
South Carolina	458,899	126,503	132,422	199,974	434,968	123,503	126,119	185,346
Georgia	796,715	296,325	179,371	321,019	752,241	288,818	170,595	292,828
Florida	590,451	337,494	174,213	78,744	519,887	294,410	152,395	73,082
East South Central	**2,736,525**	**887,147**	**609,173**	**1,240,205**	**2,622,203**	**862,008**	**585,233**	**1,174,962**
Kentucky	729,206	247,957	187,475	293,774	698,538	238,283	179,890	280,365
Tennessee	742,030	283,649	158,037	300,344	714,894	276,056	152,197	286,641
Alabama	708,043	232,437	164,531	311,075	673,815	227,309	157,226	289,280
Mississippi	557,246	123,104	99,130	335,012	534,956	120,360	95,920	318,676
West South Central	**3,592,215**	**1,514,410**	**788,720**	**1,289,085**	**3,377,230**	**1,443,835**	**747,601**	**1,185,794**
Arkansas	520,613	127,751	116,225	276,637	495,825	123,528	111,636	260,661
Louisiana	619,233	271,064	143,392	204,777	592,528	262,927	136,615	192,986
Oklahoma	647,485	269,613	145,864	232,008	610,481	254,779	139,605	216,097
Texas	1,804,884	845,982	383,239	575,663	1,678,396	802,601	359,745	516,050
Mountain	**1,238,588**	**533,588**	**393,861**	**311,139**	**1,120,450**	**507,692**	**343,590**	**269,168**
Montana	177,443	67,221	56,301	53,921	159,063	64,148	49,737	46,078
Idaho	152,835	52,975	45,934	53,926	141,727	50,774	41,235	49,718
Wyoming	76,868	29,024	25,365	22,479	69,374	27,332	22,842	19,200
Colorado	354,660	182,794	96,208	75,658	316,000	174,759	77,956	63,285
New Mexico	145,642	49,527	50,166	45,949	129,475	46,713	43,097	39,665
Arizona	147,079	52,878	62,038	32,163	131,133	48,924	55,813	26,396
Utah	147,291	85,262	39,763	22,266	139,487	81,758	37,115	20,614
Nevada	36,770	13,907	18,086	4,777	33,291	13,284	15,795	4,212
Pacific	**3,300,623**	**2,185,932**	**738,550**	**376,141**	**3,013,172**	**2,043,320**	**628,290**	**341,562**
Washington	590,439	322,164	165,746	102,529	537,337	302,208	141,673	93,456
Oregon	369,811	184,069	104,744	80,998	337,492	172,560	92,667	72,265
California	2,340,373	1,679,699	468,060	192,614	2,138,343	1,568,552	393,950	175,841

Source: Department of Commerce, Bureau of the Census; Sixteenth Census Reports, Housing, Vol. II, Part I.

No. 903.—Owner-Occupied Dwelling Units, Urban and Rural, and Tenant-Occupied Units, by States: 1940

[For total number of occupied units, see table 902]

Division and State	Owner-occupied units								Tenant-occupied units	
	Number				Percent					
	Total	Urban	Rural-nonfarm	Rural-farm	Total	Urban	Rural non-farm	Rural-farm	Number	Percent
United States	15,195,763	7,714,960	3,698,076	3,782,727	43.6	37.5	51.7	53.2	19,658,769	56.4
New England	924,408	592,745	224,230	107,433	42.0	35.4	56.7	81.6	1,277,013	58.0
Maine	125,390	36,988	54,209	34,193	57.3	41.8	60.1	84.7	93,578	42.7
New Hampshire	68,705	30,757	24,374	13,574	51.7	40.8	58.7	84.7	64,231	48.3
Vermont	51,709	13,198	18,638	19,873	55.9	40.7	53.0	80.1	40,726	44.1
Massachusetts	426,785	351,833	55,940	19,012	38.1	35.1	59.2	80.2	693,909	61.9
Rhode Island	70,190	61,010	7,274	1,906	37.4	35.6	52.5	73.0	117,516	62.6
Connecticut	181,629	98,959	63,795	18,875	40.5	32.5	53.1	78.3	267,053	59.5
Middle Atlantic	2,700,214	1,746,612	644,251	309,351	37.1	30.8	54.3	72.7	4,577,683	62.9
New York	1,111,388	726,860	247,360	137,168	30.3	23.8	58.4	74.8	2,550,725	69.7
New Jersey	433,878	315,560	95,311	23,007	39.4	35.1	56.8	69.8	666,382	60.6
Pennsylvania	1,154,948	704,192	301,580	149,176	45.9	41.2	50.7	71.4	1,360,576	54.1
East North Central	3,565,823	2,033,285	778,560	753,978	49.0	41.9	61.3	65.5	3,709,416	51.0
Ohio	948,354	568,057	200,880	179,417	50.0	44.0	59.4	66.9	949,442	50.0
Indiana	510,636	245,764	126,050	138,822	53.1	45.4	60.6	65.4	450,862	46.9
Illinois	882,870	573,029	185,445	124,396	40.3	35.1	59.7	49.9	1,309,854	59.7
Michigan	773,755	438,376	169,355	166,024	55.4	47.4	67.1	75.8	622,259	44.6
Wisconsin	460,208	208,059	96,830	145,319	54.4	44.9	60.1	71.6	376,999	45.6
West North Central	1,817,304	750,233	452,932	614,139	49.3	43.7	55.6	58.1	1,870,845	50.7
Minnesota	402,318	184,886	82,143	135,289	55.2	48.2	60.5	64.6	326,041	44.8
Iowa	361,477	157,732	94,440	109,305	51.5	50.5	58.6	47.9	340,347	48.5
Missouri	472,950	201,064	109,856	162,030	44.3	35.1	53.7	55.7	595,692	55.7
North Dakota	75,710	13,549	24,526	37,635	49.8	39.8	52.2	53.0	76,333	50.2
South Dakota	74,388	18,259	23,708	32,421	45.0	41.9	47.8	44.8	91,040	55.0
Nebraska	169,966	67,969	46,606	55,391	47.1	46.5	52.1	44.3	190,778	52.9
Kansas	260,495	106,774	71,653	82,068	51.0	47.6	56.0	51.7	250,614	49.0
South Atlantic	1,733,705	631,317	491,233	611,155	40.5	34.5	41.6	48.1	2,545,066	59.5
Delaware	33,213	15,266	11,513	6,435	47.1	41.2	52.7	55.3	37,328	52.9
Maryland	220,765	116,595	71,450	32,720	47.4	40.7	57.6	59.4	244,918	52.6
Dist. of Columbia	51,944	51,944	----------	----------	29.9	29.9	------	------	121,501	70.1
Virginia	306,688	88,362	85,994	132,332	48.9	36.2	49.4	63.3	320,844	51.1
West Virginia	194,409	56,588	61,920	75,901	43.7	40.3	32.1	68.1	250,406	56.3
North Carolina	335,063	76,758	92,787	165,518	42.4	32.0	42.6	49.8	454,596	57.6
South Carolina	133,279	33,309	35,618	64,352	30.6	27.0	28.2	34.7	301,689	69.4
Georgia	231,689	76,968	61,297	93,424	30.8	26.6	35.9	31.9	520,552	69.2
Florida	226,655	115,528	70,654	40,473	43.6	39.2	46.4	55.4	293,232	56.4
East South Central	1,055,110	294,486	233,166	527,458	40.2	34.2	39.8	44.9	1,567,093	59.8
Kentucky	335,350	90,425	74,854	170,071	48.0	37.9	41.6	60.7	363,188	52.0
Tennessee	315,182	92,385	69,529	153,268	44.1	33.5	45.7	53.5	390,712	55.9
Alabama	226,460	70,224	51,943	104,293	33.6	30.9	33.0	36.1	447,355	66.4
Mississippi	178,118	41,452	36,840	99,826	33.3	34.4	38.4	31.3	356,838	66.7
West South Central	1,394,207	566,835	356,475	470,897	41.3	39.3	47.7	39.7	1,983,023	58.7
Arkansas	196,916	47,397	47,185	102,334	39.7	38.4	42.3	39.3	298,909	60.3
Louisiana	218,447	83,491	65,967	68,989	36.9	31.8	48.3	35.7	374,081	63.1
Oklahoma	261,162	109,403	65,746	86,013	42.8	42.9	47.1	39.8	349,319	57.2
Texas	717,682	326,544	177,577	213,561	42.8	40.7	49.4	41.4	960,714	57.2
Mountain	582,978	233,574	179,270	170,134	52.0	46.0	52.2	63.2	537,472	48.0
Montana	83,126	27,627	26,652	28,847	52.0	43.1	53.6	62.6	76,837	48.0
Idaho	82,078	27,059	22,577	32,442	57.9	53.3	54.8	65.3	59,649	42.1
Wyoming	33,749	12,645	9,768	11,336	48.6	46.3	42.8	59.0	35,625	51.4
Colorado	146,455	75,062	38,902	32,491	46.3	43.0	49.9	51.3	169,545	53.7
New Mexico	74,150	21,851	23,824	28,475	57.3	46.8	55.3	71.8	55,325	42.7
Arizona	62,842	19,191	26,867	16,784	47.9	39.2	48.1	63.6	68,291	52.1
Utah	85,225	44,568	23,766	16,891	61.1	54.5	64.0	81.9	54,262	38.9
Nevada	15,353	5,571	6,914	2,868	46.1	41.9	43.8	68.1	17,938	53.9
Pacific	1,422,014	865,873	337,959	218,182	47.2	42.4	53.8	63.9	1,591,158	52.8
Washington	306,174	152,059	85,973	68,142	57.0	50.3	60.7	72.9	231,163	43.0
Oregon	187,044	84,211	51,564	51,269	55.4	48.8	55.6	70.9	150,448	44.6
California	928,796	629,603	200,422	98,771	43.4	40.1	50.9	56.2	1,209,547	56.6

Source: Department of Commerce, Bureau of the Census; Sixteenth Census Reports, Housing, Vol. II, Part 1.

No. 904.—Dwelling Units, Urban and Rural-Nonfarm—Median Rent, Median Value, and Mortgage Status, by Tenure, by States: 1940

[Median defined: That item which is in the middle of a series arranged according to size. Thus, the median rent is the rent which divides the total number of dwelling units into two equal groups, one having rents higher than the median and one having rents lower than the median]

Division and state	Median contract or estimated monthly rent (dollars)[1]			Owner occupied					
				Median value (dollars)			Mortgage status[2]		
	Total nonfarm	Owner occupied	Tenant occupied	Total nonfarm	Urban	Rural-nonfarm	Nonfarm units reporting	Mortgaged: Number	Mortgaged: Percent
United States	**23.73**	**27.45**	**21.41**	**2,938**	**3,501**	**1,715**	**10,611,259**	**4,804,778**	**45.3**
New England	26.19	32.87	23.19	3,652	3,944	2,747	760,509	437,967	57.6
Maine	18.87	19.14	17.41	2,008	2,873	1,483	82,833	24,935	30.1
New Hampshire	19.97	23.13	17.53	2,505	3,048	1,893	50,669	20,703	40.9
Vermont	19.02	24.37	16.25	2,836	4,141	2,057	29,625	11,931	40.3
Massachusetts	28.00	35.63	24.69	3,837	3,981	2,997	380,030	238,860	62.9
Rhode Island	23.29	33.05	20.17	3,848	3,941	3,045	64,316	37,764	58.7
Connecticut	28.91	38.84	25.00	4,615	4,575	4,682	153,036	103,774	67.8
Middle Atlantic	30.39	34.85	28.59	3,840	4,210	2,824	2,234,904	1,162,623	52.0
New York	34.51	39.48	33.39	4,389	4,730	3,352	909,145	565,045	62.2
New Jersey	31.73	40.53	27.95	4,528	4,848	3,599	383,899	212,979	55.5
Pennsylvania	24.21	28.81	21.30	3,205	3,562	2,221	941,860	384,599	40.8
East North Central	25.79	28.41	23.70	3,096	3,572	1,803	2,645,649	1,250,981	47.3
Ohio	25.03	29.79	21.59	3,415	3,816	2,024	731,918	363,523	49.7
Indiana	19.60	22.79	17.38	2,406	2,937	1,434	348,916	163,899	47.0
Illinois	27.70	29.61	26.58	3,277	3,766	1,715	704,885	314,298	44.6
Michigan	27.44	28.31	26.64	2,863	3,310	1,749	574,590	284,829	49.6
Wisconsin	26.30	28.93	23.89	3,232	3,701	2,136	285,340	124,432	43.6
West North Central	18.87	22.00	17.01	2,312	2,930	1,417	1,119,251	424,945	38.0
Minnesota	24.87	28.37	21.68	3,024	3,511	1,876	250,528	102,790	41.0
Iowa	18.87	21.09	16.94	2,253	2,769	1,479	232,424	77,369	33.3
Missouri	18.51	22.62	16.77	2,392	3,005	1,316	287,784	129,805	45.1
North Dakota	15.36	16.07	15.07	1,626	3,319	1,185	34,668	9,574	27.6
South Dakota	14.36	15.88	13.84	1,618	2,571	1,139	38,008	11,084	29.2
Nebraska	17.57	20.00	15.92	2,156	2,793	1,375	108,879	38,476	35.3
Kansas	14.91	16.94	13.69	1,733	2,111	1,247	166,960	55,847	33.4
South Atlantic	16.05	24.31	12.49	2,513	3,380	1,542	1,021,508	399,517	39.1
Delaware	28.26	37.81	22.58	4,159	4,743	3,381	24,869	12,646	50.9
Maryland	25.60	31.65	21.66	3,031	3,050	2,984	173,580	76,250	43.9
District of Columbia	47.53	64.80	41.42	7,568	7,568	-------	50,151	32,511	64.8
Virginia	16.45	23.98	13.27	2,633	3,629	1,769	160,085	60,863	38.0
West Virginia	13.97	21.12	12.08	2,350	3,579	1,460	104,232	33,600	32.2
North Carolina	11.66	17.37	9.42	1,802	2,827	1,249	147,013	55,589	37.7
South Carolina	8.50	19.97	6.48	2,145	3,368	1,346	62,146	22,323	35.9
Georgia	10.10	19.27	8.15	1,957	2,560	1,314	125,431	46,134	36.8
Florida	16.95	21.51	12.92	2,218	2,966	1,158	173,401	59,592	34.4
East South Central	11.07	17.25	8.98	1,752	2,482	981	470,255	157,554	33.5
Kentucky	13.29	19.81	11.23	2,074	2,907	1,068	145,692	50,842	34.9
Tennessee	12.38	17.80	10.49	1,826	2,436	1,121	147,458	49,934	33.9
Alabama	8.80	15.76	7.26	1,610	2,341	909	108,717	36,892	33.9
Mississippi	7.78	13.17	6.24	1,180	1,875	689	68,388	19,886	29.1
West South Central	13.43	16.06	12.15	1,489	2,216	682	840,395	281,539	33.5
Arkansas	8.04	11.22	6.47	1,100	1,960	585	82,113	21,722	26.5
Louisiana	12.43	14.83	11.54	1,414	2,314	643	135,915	44,273	32.6
Oklahoma	13.16	14.03	12.59	1,293	2,088	526	158,410	58,552	37.0
Texas	14.99	18.16	13.40	1,693	2,273	889	463,957	156,992	33.8
Mountain	17.65	19.45	16.92	1,802	2,644	897	378,487	132,648	35.0
Montana	17.66	18.74	17.72	1,651	2,567	937	49,206	12,969	26.4
Idaho	16.10	17.25	15.33	1,600	2,363	933	45,271	15,077	33.3
Wyoming	18.56	22.87	16.94	2,174	3,119	1,160	20,819	8,306	39.9
Colorado	19.26	22.00	18.06	2,091	2,715	997	106,216	42,424	39.9
New Mexico	11.49	9.62	12.99	656	1,715	362	40,471	9,065	22.4
Arizona	15.26	17.06	14.57	1,400	2,488	812	42,093	15,020	35.7
Utah	20.10	22.43	18.17	2,320	2,861	1,373	63,347	26,704	42.2
Nevada	20.82	24.26	19.84	1,987	3,838	963	11,064	3,023	27.3
Pacific	25.97	29.53	23.85	3,156	3,554	2,008	1,140,301	557,004	48.8
Washington	19.43	22.60	17.47	2,359	2,743	1,624	223,314	98,275	44.0
Oregon	18.77	21.95	16.94	2,343	2,860	1,434	126,312	53,822	42.6
California	28.01	33.26	25.61	3,527	3,840	2,388	790,675	404,907	51.2

[1] Includes contract rent of tenant occupied units and estimated rent of owner-occupied and vacant units.
[2] Mortgage data are limited to owner-occupied nonfarm units in structures without business and containing not more than 4 dwelling units; percent represents percent of reporting owner-occupied units which were mortgaged. For number of owner-occupied urban and rural-nonfarm units, see table 903.

Source: Department of Commerce, Bureau of the Census; Sixteenth Census Reports, Housing, Vol. II, Part 1.

No. 905.—Dwelling Units, Urban and Rural—Median Number of Rooms and Units With Private Bathtub or Shower in Structure, by States: 1940

[For total number of dwelling units, see table 902]

Division and State	Median number of rooms [1]				Reporting on bathing equipment	Dwelling units with private bathtub or shower in structure				
							Percent			
	All dwelling units	Urban	Rural-nonfarm	Rural farm		Total units (number)	Total	Urban	Rural-nonfarm	Rural-farm
United States	4.73	4.78	4.61	4.70	36,649,481	20,606,386	56.2	77.5	40.8	11.8
New England	5.38	5.23	5.67	7.09	2,396,209	1,818,504	75.9	84.4	58.3	36.2
Maine	5.68	5.49	5.46	6.85	254,142	117,203	46.1	68.5	39.0	17.4
New Hampshire	5.63	5.35	5.62	7.26	154,367	95,254	61.7	77.5	49.0	34.5
Vermont	6.27	5.66	6.08	7.67	104,985	62,299	59.3	85.9	54.5	35.3
Massachusetts	5.37	5.31	5.71	6.89	1,200,588	997,043	83.0	86.3	63.6	53.1
Rhode Island	5.18	5.13	5.68	7.10	202,003	154,227	76.3	79.2	55.1	40.1
Connecticut	5.18	4.94	5.68	6.93	480,124	392,478	81.7	87.6	74.4	53.0
Middle Atlantic	5.21	4.96	5.64	7.17	7,736,615	5,960,678	77.0	86.1	54.8	27.4
New York	4.80	4.49	5.81	7.69	3,952,462	3,324,428	84.1	90.8	64.5	30.1
New Jersey	5.27	5.17	5.53	6.57	1,202,220	985,257	82.0	86.6	67.7	46.0
Pennsylvania	5.72	5.68	5.57	6.82	2,581,933	1,650,993	63.9	77.1	41.9	21.9
East North Central	5.18	5.03	5.04	6.26	7,576,107	4,549,543	60.1	78.2	35.5	14.1
Ohio	5.44	5.26	5.34	6.53	1,953,836	1,225,344	62.7	79.3	37.3	16.6
Indiana	5.08	4.92	4.87	5.90	989,150	461,119	46.6	67.1	30.1	12.0
Illinois	4.83	4.71	4.83	5.96	2,249,086	1,454,428	64.7	78.6	33.6	13.3
Michigan	5.34	5.25	5.08	6.40	1,497,488	946,559	63.2	82.9	38.9	16.0
Wisconsin	5.39	5.21	5.04	6.56	886,547	462,093	52.1	77.3	35.8	11.5
West North Central	4.93	4.67	4.80	5.58	3,851,671	1,625,220	42.2	68.8	30.4	9.2
Minnesota	5.03	4.84	4.65	5.86	761,117	353,517	46.4	73.7	31.4	7.7
Iowa	5.67	5.08	5.58	6.64	715,068	307,571	43.0	65.8	38.3	15.4
Missouri	4.25	4.14	4.23	4.44	1,121,458	492,930	44.0	68.5	30.8	4.7
North Dakota	4.72	4.18	4.52	5.10	159,516	33,066	20.7	61.9	19.1	3.2
South Dakota	5.08	4.61	4.73	5.66	176,002	46,587	26.5	62.1	28.4	5.2
Nebraska	5.23	4.90	5.12	5.85	382,348	168,215	44.0	72.1	42.4	14.0
Kansas	5.00	4.78	4.84	5.57	536,072	223,334	41.7	65.8	38.4	11.5
South Atlantic	4.41	4.51	4.29	4.41	4,437,337	1,698,228	38.3	64.8	31.6	6.3
Delaware	5.79	5.76	5.68	6.20	74,522	45,330	60.8	76.7	57.8	17.5
Maryland	5.56	5.54	5.36	6.17	488,396	307,141	62.9	76.6	51.2	21.7
District of Columbia	4.29	4.29	------	------	182,284	150,406	82.5	82.5	------	------
Virginia	4.83	4.81	4.62	5.08	645,880	233,422	36.1	63.7	31.1	8.7
West Virginia	4.60	5.02	4.21	4.98	448,257	160,555	35.8	75.6	24.0	6.1
North Carolina	4.41	4.40	4.30	4.49	793,748	195,638	24.6	51.9	25.8	4.1
South Carolina	3.99	3.77	3.89	4.12	449,125	97,490	21.7	44.9	26.2	3.8
Georgia	3.85	3.69	3.82	3.95	776,426	191,036	24.6	47.0	25.3	3.2
Florida	4.19	4.39	3.87	4.13	578,699	317,210	54.8	72.2	38.9	15.0
East South Central	3.81	3.86	3.80	3.79	2,671,630	598,108	22.4	50.4	20.9	2.8
Kentucky	4.05	4.06	3.97	4.11	713,651	194,320	27.2	60.4	20.8	3.0
Tennessee	3.92	3.91	3.96	3.91	726,268	183,169	25.2	49.2	22.5	3.7
Alabama	3.65	3.71	3.58	3.66	689,589	141,716	20.6	46.0	18.8	2.2
Mississippi	3.55	3.44	3.48	3.60	542,122	78,903	14.6	41.3	22.1	2.4
West South Central	3.82	4.02	3.66	3.75	3,518,383	1,242,691	35.3	61.8	30.3	7.0
Arkansas	3.68	4.06	3.59	3.60	506,425	88,485	17.5	51.9	16.3	1.9
Louisiana	3.74	3.92	3.60	3.64	608,534	209,015	34.3	60.7	26.5	4.5
Oklahoma	3.88	4.22	3.69	3.71	630,443	217,757	34.5	64.2	26.0	5.1
Texas	3.88	3.99	3.63	3.89	1,772,981	727,434	41.0	62.9	37.5	11.1
Mountain	3.77	4.06	3.42	3.73	1,215,807	546,349	44.9	70.1	34.9	14.3
Montana	3.73	3.84	3.48	3.86	174,722	66,352	38.0	67.5	30.4	9.9
Idaho	3.91	4.00	3.50	4.15	149,948	59,896	39.9	67.6	34.0	18.0
Wyoming	3.65	3.86	3.47	3.59	75,601	31,641	41.9	71.0	35.9	10.3
Colorado	4.11	4.39	3.66	4.12	347,985	166,795	47.9	70.3	33.1	12.4
New Mexico	3.06	3.42	2.83	2.95	142,026	40,449	28.5	55.7	19.9	8.6
Arizona	3.19	3.81	3.09	1.93	144,054	70,070	48.6	70.9	45.2	18.6
Utah	4.13	4.27	3.90	4.09	145,773	90,328	62.0	78.9	43.3	30.3
Nevada	3.58	3.76	3.30	4.06	35,698	20,818	58.3	82.1	47.7	29.3
Pacific	4.37	4.48	4.03	4.61	3,245,722	2,567,065	79.1	88.7	66.4	47.7
Washington	4.33	4.42	4.00	4.70	580,424	382,882	66.0	81.1	54.7	36.4
Oregon	4.56	4.73	4.09	4.82	363,390	230,583	63.5	82.9	52.4	33.5
California	4.36	4.45	4.03	4.48	2,301,908	1,953,600	84.9	90.8	73.7	59.8

[1] For definition of median, see headnote, table 904.

Source: Department of Commerce, Bureau of the Census; Sixteenth Census Reports, Housing, Vol. II, Part 1.

No. 906.—Nonfarm Mortgaged Properties, Owner-Occupied One-Family—Debt and Value, and Average Interest Rate on First Mortgage, by States: 1940

Division and state	Total properties	Reporting debt and value	Value of property		Outstanding indebtedness (first and junior mortgages)			Average interest rate on first mortgage (percent)
			Total (1,000 dollars)	Average (dollars)	Total (1,000 dollars)	Percent of value	Average (dollars)	
United States	4,025,815	3,745,366	16,489,836	4,403	8,633,722	52.4	2,305	5.55
New England	308,102	291,167	1,486,008	5,104	764,412	51.4	2,625	5.38
Maine	20,320	18,667	58,017	3,108	25,550	44.0	1,369	5.59
New Hampshire	16,403	14,655	48,215	3,290	22,419	46.5	1,530	5.17
Vermont	9,670	9,038	32,879	3,638	14,071	42.8	1,557	5.36
Massachusetts	165,513	156,733	785,003	5,009	427,370	54.4	2,727	5.41
Rhode Island	24,625	23,623	121,611	5,148	59,771	49.1	2,530	5.49
Connecticut	71,562	68,451	440,283	6,432	215,280	48.9	3,144	5.28
Middle Atlantic	897,953	834,107	4,548,874	5,454	2,479,215	54.5	2,972	5.47
New York	395,763	373,740	2,267,436	6,067	1,261,098	55.6	3,374	5.37
New Jersey	169,000	154,009	920,492	5,973	492,485	53.5	3,196	5.48
Pennsylvania	333,190	306,268	1,360,947	4,444	725,633	53.3	2,369	5.59
East North Central	1,053,082	987,266	4,240,879	4,296	2,174,566	51.3	2,203	5.45
Ohio	317,781	299,267	1,334,397	4,459	687,728	51.5	2,298	5.51
Indiana	149,484	136,945	453,482	3,311	219,057	48.3	1,600	5.54
Illinois	239,483	222,239	1,116,933	5,026	553,471	49.6	2,490	5.42
Michigan	246,656	233,744	922,427	3,946	504,610	54.7	2,159	5.48
Wisconsin	99,678	95,071	413,640	4,351	209,699	50.7	2,206	5.14
West North Central	381,924	351,622	1,217,547	3,463	621,337	51.0	1,767	5.48
Minnesota	90,542	85,436	341,020	3,992	163,564	48.0	1,914	5.28
Iowa	70,972	63,991	193,764	3,028	95,726	49.4	1,496	5.38
Missouri	114,706	107,222	411,049	3,834	223,563	54.4	2,085	5.60
North Dakota	8,183	6,634	20,099	3,030	9,367	46.6	1,412	5.46
South Dakota	10,063	8,583	22,992	2,679	11,209	49.1	1,316	5.51
Nebraska	35,706	33,217	103,077	3,103	51,612	50.1	1,554	5.45
Kansas	51,752	46,539	125,547	2,698	66,208	52.7	1,423	5.74
South Atlantic	357,922	325,298	1,474,454	4,533	756,809	51.3	2,327	5.63
Delaware	11,623	11,028	59,839	5,426	28,421	47.5	2,577	5.68
Maryland	64,763	58,355	272,850	4,676	143,516	52.6	2,459	5.59
Dist. of Columbia	28,404	27,832	247,104	8,878	126,696	51.3	4,552	5.47
Virginia	55,766	50,909	238,324	4,681	124,863	52.4	2,453	5.54
West Virginia	30,729	26,798	105,943	3,953	49,673	46.9	1,854	5.65
North Carolina	51,999	46,712	151,501	3,243	78,351	51.7	1,677	5.64
South Carolina	20,166	17,500	64,923	3,710	32,613	50.2	1,864	5.68
Georgia	40,677	36,476	136,126	3,732	72,519	53.3	1,988	5.72
Florida	53,795	49,688	197,845	3,982	100,158	50.6	2,016	5.75
East South Central	140,494	125,463	419,970	3,347	217,740	51.8	1,735	5.64
Kentucky	45,191	40,310	149,062	3,698	77,585	52.0	1,925	5.69
Tennessee	44,801	40,826	137,892	3,378	70,243	50.9	1,721	5.52
Alabama	33,403	29,189	91,308	3,128	48,905	53.6	1,675	5.73
Mississippi	17,099	15,138	41,709	2,755	21,008	50.4	1,388	5.63
West South Central	252,676	229,487	724,992	3,159	393,269	54.2	1,714	5.97
Arkansas	19,903	16,251	41,908	2,579	20,217	48.2	1,244	6.08
Louisiana	37,003	34,531	120,631	3,493	64,177	53.2	1,859	5.88
Oklahoma	53,453	47,200	142,944	3,028	78,730	55.1	1,668	5.94
Texas	142,317	131,505	419,508	3,190	230,145	54.9	1,750	5.99
Mountain	120,288	108,957	348,945	3,203	175,310	50.2	1,609	5.79
Montana	11,517	10,544	32,183	3,052	14,794	46.0	1,403	5.92
Idaho	13,812	11,903	32,319	2,715	15,345	47.5	1,289	5.79
Wyoming	7,195	6,853	23,040	3,362	11,867	51.5	1,732	5.86
Colorado	38,400	34,220	110,637	3,233	56,240	50.8	1,643	5.71
New Mexico	8,225	7,098	22,092	3,112	10,629	48.1	1,497	6.42
Arizona	13,901	13,044	42,187	3,234	22,315	52.9	1,711	5.72
Utah	24,490	23,147	77,256	3,338	39,652	51.3	1,713	5.67
Nevada	2,748	2,148	9,231	4,298	4,470	48.4	2,081	5.67
Pacific	513,374	491,999	2,028,167	4,122	1,051,064	51.8	2,136	5.73
Washington	94,316	88,451	280,762	3,174	132,727	47.3	1,501	5.68
Oregon	51,723	48,301	154,080	3,190	72,679	47.2	1,505	5.62
California	367,335	355,247	1,593,326	4,485	845,658	53.1	2,380	5.75

Source: Department of Commerce, Bureau of the Census; Sixteenth Census Reports, Housing, Vol. IV, Part 1.

No. 907.—Housing Characteristics for 34 Selected Metropolitan Districts: 1947

[Based on Current Population Survey of April 1947; see Sampling Note, p. 183]

Metropolitan district	All dwelling units	Dwelling units in need of major repairs or without private bath	With private bathtub or shower in structure		All occupied units	Owner occupied		Median contract monthly rent [1]	Percent vacant [2]
			Number	Percent		Number	Percent		
Akron, Ohio	120,287	24,790	101,861	85	118,400	81,326	69	$33	0.3
Allentown-Bethlehem-Easton, Pa	94,240	21,824	72,850	77	92,411	53,351	58	27	.2
Atlanta, Ga	138,867	45,879	97,457	70	136,899	66,748	49	20	.4
Baltimore, Md	364,929	75,190	305,807	84	354,526	180,250	51	34	.7
Birmingham, Ala	138,282	67,260	74,176	54	135,356	66,614	49	15	.9
Boston, Mass	732,600	66,150	678,600	93	710,550	300,375	42	32	.6
Chicago, Ill	1,344,420	144,760	1,220,065	91	1,334,025	515,900	39	38	.2
Columbus, Ohio	126,198	24,190	109,962	87	123,697	64,493	52	33	.6
Dallas, Tex	147,444	35,288	119,812	81	144,276	80,960	56	29	.7
Denver, Colo	147,796	31,856	117,524	80	145,508	77,616	53	32	1.0
Detroit, Mich	765,124	83,094	704,443	92	750,182	403,624	54	37	.6
Los Angeles, Calif	1,273,500	105,125	1,183,875	93	1,236,000	654,375	53	35	.8
Lowell-Lawrence-Haverhill, Mass	102,393	15,283	88,226	86	98,487	43,214	44	24	.3
Memphis, Tenn	114,142	50,840	68,045	60	111,383	50,716	46	20	1.0
Minneapolis-St. Paul, Minn	294,567	62,062	242,424	82	286,741	168,623	59	33	.2
New Haven, Conn	102,331	6,758	97,154	95	97,340	50,220	52	27	.3
New Orleans, La	170,968	42,000	140,448	82	167,440	55,552	33	21	.4
New York-Northeastern New Jersey	3,706,911	395,640	3,454,416	93	3,600,891	1,103,967	31	39	.2
Norfolk-Portsmouth-Newport News, Va	139,026	32,383	110,873	80	133,292	54,191	41	31	2.0
Philadelphia, Pa	955,644	108,834	885,222	93	939,057	559,011	60	31	.7
Pittsburgh, Pa	567,077	182,397	406,359	72	556,645	284,435	51	29	.5
Portland, Oreg	185,201	25,075	163,194	88	179,478	112,690	63	33	1.9
Rochester, N. Y	136,325	12,997	128,084	94	133,414	76,055	57	35	.5
St. Louis, Mo	470,316	131,978	356,510	76	461,846	215,292	47	24	.5
Salt Lake City, Utah	69,762	7,518	63,525	91	68,061	43,596	64	34	.5
San Antonio, Tex	116,416	31,926	87,006	75	112,778	68,204	60	28	1.2
San Francisco-Oakland, Calif	661,158	36,018	633,834	96	646,875	314,019	49	36	.5
Scranton-Wilkes-Barre, Pa	148,802	36,049	116,419	78	145,324	71,910	49	23	.6
Seattle, Wash	202,092	23,694	181,170	90	194,370	120,714	62	35	1.6
Toledo, Ohio	110,976	15,470	98,702	89	108,664	68,272	63	31	.8
Tulsa, Okla	66,402	16,800	51,261	77	64,848	38,745	60	29	1.3
Washington, D. C	350,966	45,050	315,350	90	343,440	135,392	40	50	.3
Worcester, Mass	82,070	8,787	75,603	92	80,852	38,135	47	27	.3
Youngstown, Ohio	100,057	18,879	85,157	85	99,355	67,084	68	31	.2

[1] Data are for nonfarm tenant-occupied units only. For definition of median, see headnote, table 904.
[2] Habitable, nonseasonable dwelling units for rent or for sale only, as a percent of total dwelling units.

Source: Department of Commerce, Bureau of the Census; Current Population Report, Housing, Series P-71, Numbers 1 to 35.

No. 908.—Housing Characteristics for Selected Metropolitan Districts: 1940

[For metropolitan districts having a central city of 100,000 or more or a gross population of 150,000 or more. Monthly rental data exclude rural-farm dwelling units. See Cities Supplement to Statistical Abstract for summary statistics for specific cities]

Metropolitan district	All dwelling units	Median contract or estimated monthly rent [1]	Bathing equipment: Number reporting	Bathing equipment: With private bathtub or shower in structure: Number	Bathing equipment: With private bathtub or shower in structure: Percent	All occupied units	Owner occupied: Number	Owner occupied: Percent	Occupied by nonwhite: Number	Occupied by nonwhite: Percent
Akron, Ohio	97,057	$26.21	96,033	75,214	78.3	94,924	49,840	52.5	3,487	3.7
Albany - Schenectady-Troy, N. Y	129,464	27.52	128,095	103,439	80.8	122,327	50,574	41.3	1,467	1.2
Allentown - Bethlehem-Easton, Pa	85,923	25.10	85,033	57,637	67.8	83,636	36,675	43.9	484	.6
Atlanta, Ga	121,441	18.74	119,999	67,452	56.2	117,384	38,211	32.6	34,150	29.1
Baltimore, Md	289,060	27.53	283,991	215,888	76.0	271,679	117,967	43.4	43,271	15.9
Birmingham, Ala	109,211	13.48	107,046	49,185	45.9	106,495	35,057	32.9	44,461	41.7
Boston, Mass	651,192	32.33	640,184	563,915	88.1	606,279	219,192	36.2	11,529	1.9
Bridgeport, Conn	60,301	28.77	59,143	49,678	84.0	57,478	21,511	37.4	1,147	2.0
Buffalo-Niagara, N. Y	233,963	28.63	231,819	197,729	85.3	224,969	84,655	37.6	5,849	2.6
Canton, Ohio	54,307	27.54	53,778	42,529	79.1	53,281	28,130	52.8	1,727	3.2
Charlotte, N. C	28,329	21.69	27,822	16,450	59.1	27,846	8,317	29.9	8,042	28.9
Chattanooga, Tenn	50,300	15.04	49,754	25,100	50.4	48,786	18,292	37.5	10,374	21.3
Chicago, Ill	1,284,345	33.39	1,272,840	1,064,793	83.7	1,237,297	374,277	30.2	87,739	7.1
Cincinnati, Ohio	241,557	26.49	238,766	164,777	69.0	228,594	92,028	40.3	20,922	9.2
Cleveland, Ohio	347,866	31.59	345,994	305,594	88.3	335,885	130,956	39.0	22,302	6.6
Columbus, Ohio	103,263	28.96	101,317	82,951	81.9	99,537	41,158	41.3	8,995	9.0
Dallas, Tex	114,141	23.74	112,814	79,683	70.6	107,235	41,660	38.8	16,674	15.5
Davenport (Iowa)-Rock Island-Moline (Ill.)	50,497	29.80	50,040	32,314	64.6	49,530	23,894	48.2	677	1.4
Dayton, Ohio	77,166	29.22	76,159	53,015	69.6	75,516	34,306	45.4	5,361	7.1
Denver, Colo	119,077	25.83	116,687	83,698	71.7	113,911	47,618	41.8	2,967	2.6
Des Moines, Iowa	55,103	25.63	53,933	34,566	64.1	53,264	27,291	51.2	1,856	3.5
Detroit, Mich	617,992	33.60	611,394	524,115	85.7	594,688	266,949	44.9	39,455	6.6
Duluth (Minn.)-Superior (Wis.)	44,908	23.41	44,556	30,643	68.8	43,048	22,006	51.1	203	.5
Erie, Pa	36,340	24.60	35,667	29,954	84.0	35,223	14,766	41.9	412	1.2
Fall River-New Bedford, Mass	75,591	18.53	74,323	54,317	73.1	72,560	21,435	29.5	1,458	2.0
Flint, Mich	51,303	26.74	50,914	33,761	66.3	49,829	28,556	57.3	1,674	3.4
Fort Wayne, Ind	38,095	$29.04	37,623	28,364	75.4	37,132	20,496	55.2	705	1.9
Fort Worth, Tex	62,832	18.82	61,838	41,339	66.9	59,633	26,902	45.1	8,352	14.0
Grand Rapids, Mich	61,196	23.79	60,420	48,068	79.6	59,204	31,322	52.9	838	1.4
Harrisburg, Pa	47,770	28.72	47,281	34,868	73.7	46,378	20,168	43.5	2,668	5.8
Hartford-New Britain, Conn	132,848	31.12	130,093	114,566	88.1	129,810	46,745	36.0	2,429	1.9
Houston, Tex	149,351	24.04	146,397	102,914	70.3	141,345	57,917	41.0	28,622	20.2
Huntington (W. Va.)-Ashland (Ky.)	44,797	19.14	44,070	27,995	63.5	43,510	19,021	43.7	1,715	3.9
Indianapolis, Ind	135,179	25.16	133,260	88,532	66.4	130,068	53,003	40.8	16,616	11.2
Jacksonville, Fla	52,956	18.33	52,207	33,792	64.7	51,180	17,750	34.7	16,214	31.7
Johnstown, Pa	36,316	20.39	36,080	19,606	54.3	35,736	14,972	41.9	569	1.6
Kansas City (Mo.)-Kansas City (Kans.)	202,122	22.65	198,687	137,537	69.2	188,690	75,177	39.8	20,430	10.8
Knoxville, Tenn	39,143	16.23	38,880	19,322	49.7	37,877	15,584	41.1	4,425	11.7
Los Angeles, Calif	999,492	29.32	987,045	903,601	91.5	930,921	376,610	40.5	34,546	3.7
Louisville, Ky	126,043	19.76	124,831	75,613	60.6	120,293	49,397	41.1	16,478	13.7
Lowell-Lawrence-Haverhill, Mass	92,148	22.44	90,439	72,905	80.6	86,555	31,715	36.6	278	.3
Memphis, Tenn	93,823	15.75	91,869	42,803	46.6	91,319	29,194	32.0	39,837	43.6
Miami, Fla	85,136	30.49	83,050	69,760	84.0	70,994	29,163	41.1	10,026	14.1
Milwaukee, Wis	223,061	33.19	221,356	179,084	80.9	215,665	81,177	37.6	2,756	1.3
Minneapolis-St. Paul, Minn	268,484	30.93	265,469	205,550	77.4	256,646	120,447	46.9	3,228	1.3
Nashville, Tenn	66,061	17.32	65,307	31,940	48.9	63,574	23,568	37.1	15,049	23.7
New Haven, Conn	88,623	28.25	87,624	74,774	85.3	81,768	30,562	37.4	2,331	2.9
New Orleans, La	149,006	16.89	147,899	104,725	70.8	144,566	37,048	25.6	43,595	30.2
New York-Northeastern New Jersey	3,424,485	37.75	3,354,661	3,052,094	91.0	3,160,300	746,688	23.6	170,101	5.4
Norfolk-Portsmouth-Newport News, Va	86,539	20.22	84,547	51,898	61.4	82,917	30,159	36.4	28,007	33.8

[1] For definition of median, see headnote, table 904.

No. 908.—Housing Characteristics for Selected Metropolitan Districts: 1940—Continued

Metropolitan district	All dwelling units	Median contract or estimated monthly rent [1]	Bathing equipment: Number reporting	Bathing equipment: With private bathtub or shower in structure: Number	Bathing equipment: With private bathtub or shower in structure: Percent	All occupied units	Owner occupied: Number	Owner occupied: Percent	Occupied by nonwhite: Number	Occupied by nonwhite: Percent
Oklahoma City, Okla	69,412	22.43	67,596	45,842	67.8	63,922	24,520	38.4	5,558	8.7
Omaha (Nebr.)-Council Bluffs (Iowa)	84,129	24.89	83,206	60,059	72.2	79,798	38,653	48.4	3,695	4.6
Peoria, Ill	47,027	31.74	45,894	29,082	63.4	45,845	24,044	52.4	931	2.0
Philadelphia, Pa	792,909	28.97	779,641	668,848	85.8	754,474	321,794	42.7	79,590	10.5
Pittsburgh, Pa	512,538	25.60	507,028	291,801	57.6	502,064	196,544	39.1	28,692	5.7
Portland, Oreg	141,697	22.86	139,605	116,040	83.1	133,144	70,478	52.9	1,769	1.3
Providence, R. I	197,927	23.48	196,507	155,347	79.1	186,372	68,811	36.9	3,059	1.6
Reading, Pa	48,293	26.92	47,896	37,975	79.3	46,749	22,381	47.9	606	1.3
Richmond, Va	66,624	24.05	65,687	41,686	63.5	64,385	24,256	37.7	17,467	27.1
Rochester, N. Y	119,880	33.57	116,694	105,299	90.2	113,895	51,805	45.5	1,090	1.0
Sacramento, Calif	49,366	29.46	48,701	39,372	80.8	47,157	24,288	51.5	2,215	4.7
Saginaw-Bay City, Mich	42,590	23.89	41,893	28,316	67.6	40,939	25,629	62.6	974	2.4
St. Louis, Mo	409,595	23.81	405,380	278,461	68.7	385,374	142,764	37.0	40,780	10.6
Salt Lake City, Utah	57,109	26.22	56,778	46,384	81.7	54,891	30,068	54.8	494	.9
San Antonio, Tex	86,389	17.23	85,837	55,234	64.3	81,335	34,066	41.9	6,551	8.1
San Diego, Calif	86,788	27.37	85,925	76,528	89.1	79,813	35,015	43.9	2,079	2.6
San Francisco-Oakland, Calif	485,087	32.90	477,600	433,525	90.8	454,519	188,039	41.4	16,438	3.6
Scranton-Wilkes-Barre, Pa	151,184	21.97	149,493	100,031	66.9	148,294	63,775	43.0	596	.4
Seattle, Wash	164,295	25.30	161,032	131,009	81.4	153,229	76,131	49.7	4,504	2.9
South Bend, Ind	40,963	25.28	40,607	30,483	75.1	40,058	22,056	55.1	998	2.5
Spokane, Wash	47,284	21.75	46,773	36,079	77.1	44,083	25,051	56.8	384	.9
Springfield-Holyoke, Mass	107,483	26.47	106,154	95,719	90.2	102,921	37,107	36.1	1,108	1.1
Syracuse, N. Y	73,336	29.62	71,945	60,449	84.0	70,336	27,009	38.4	709	1.0
Tacoma, Wash	53,310	20.15	52,742	41,332	78.4	49,598	29,768	60.0	870	1.8
Tampa - St. Petersburg, Fla	73,572	20.03	72,553	55,432	76.4	61,660	27,638	44.8	10,196	16.5
Toledo, Ohio	99,011	27.52	98,297	82,241	83.7	95,360	47,604	49.9	3,895	4.1
Trenton, N. J	50,310	28.72	49,692	40,167	80.8	49,112	21,771	44.3	2,802	5.7
Tulsa, Okla	56,847	22.67	55,920	37,688	67.4	53,712	22,875	42.6	5,477	10.2
Utica-Rome, N. Y	53,045	23.63	52,586	40,525	77.1	50,819	20,828	41.0	275	.5
Washington, D. C	252,773	47.73	248,858	204,214	82.1	237,609	89,575	37.7	45,367	19.1
Wheeling, W. Va	51,368	18.44	50,721	28,246	55.7	50,381	22,147	44.0	1,667	3.3
Wichita, Kans	39,925	22.28	39,317	27,507	70.0	38,161	16,810	44.1	1,676	4.4
Wilmington, Del	50,349	31.97	49,829	38,235	76.7	48,583	21,248	43.7	4,835	10.0
Worcester, Mass	79,881	26.21	77,892	66,794	85.8	77,262	28,733	37.2	481	.6
Youngstown, Ohio	93,495	28.13	92,450	65,618	71.0	92,250	48,494	52.6	5,503	6.0

[1] For definition of median, see headnote, table 904.

Source: Department of Commerce Bureau of the Census; Sixteenth Census Reports, Housing, Vol. II, Part 1.

30. Manufactures

Census of Manufactures.—The basic source of comprehensive data on manufacturing production is the Census of Manufactures conducted by the Bureau of the Census. The first Census of Manufactures covered the year 1809 and a census was taken at 10-year intervals in connection with the Decennial Census of Population up to and including 1899, with the exception of 1829. It was conducted at 5-year intervals from 1904 through 1919, and every other year from 1921 through 1939, but was suspended during the war period. The 1947 Census of Manufactures is the first to be taken since 1939. Present legislation provides for a Census of Manufactures to cover the year 1953 and every fifth year thereafter.

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

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

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

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

Comparative figures shown for 1939 are generally slightly lower than those published in the 1939 reports. The 1939 figures have been revised to exclude retail bakeries, machine-shop repairs, and some other types of establishments also omitted from the 1947 census. Cost of materials and value of products for 1947 were not compiled for summary tables because of the duplication which arises in the combination of individual industries representing successive stages in the production of finished manufactures.

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

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

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

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

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

Material in other sections.—In addition to the statistics presented in this section, statistics on the output and activities of manufacturers will be found in various other sections of the *Statistical Abstract*. For example, data on wages and hours appear in section 8, Labor Force, Employment, and Earnings; statistics on manufacturing corporations compiled from corporation income tax returns appear in section 14, Federal Government Finances, and in section 17, Business Enterprise; and statistics on lumber production in section 26, Forests and Forest Products. For page references to the commodity or industry, consult the index. For references to the important sources of statistics on manufacturing and related activities, see the listings under the appropriate subjects in the "Bibliography of Sources of Statistical Data," page 970.

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

Historical statistics.—In this section, tabular headnotes (as "See also *Historical Statistics*, series J 30–48") provide cross-references, where applicable, to *Historical Statistics of the United States, 1789–1945*. In that historical supplement to the *Statistical Abstract*, statistics are carried back year by year as far as possible. See also the historical appendix of the present issue of the *Abstract* for specific titles of series and the earliest year shown in the supplement.

No. 909.—Manufactures—Summary: 1849 to 1947

[Figures for 1849 to 1919 include establishments whose products were valued at $500 or more; for 1921 to 1939, establishments whose products were valued at $5,000 or more; for 1947, figures cover all establishments employing 1 or more persons at any time during year. For basis of revisions beginning 1889, see General Explanations, Sec. 13 in source volumes, "Statistics for 1939 and earlier years." See also 1948 *Abstract* and *Historical Statistics*, series J 1–12, for unrevised data for 1939 and earlier years]

Census year	Number of establishments	Number of proprietors and firm members	All employees [1]		Production workers		Value added [3] ($1,000)
			Number (average for year) [2]	Salaries and wages ($1,000)	Number (average for year)	Wages ($1,000)	
Factories and hand and neighborhood industries:							
1849	123,025	(4)	(4)	(4)	957,059	236,755	463,983
1859	140,433				1,311,246	378,879	854,257
1869	252,148				2,053,996	[5] 620,467	[5] 1,395,119
1879	253,852				2,732,595	947,954	1,972,756
1889	353,864		4,586,494	2,209,058	4,129,355	1,820,854	4,102,301
1899	509,490		5,478,301	2,595,566	5,097,562	2,206,547	5,474,892
Factories, excluding hand and neighborhood industries:							
1899	204,750	(4)	4,850,019	2,258,654	4,501,919	1,892,574	4,646,981
1904	213,444	225,115	5,674,957	2,990,937	5,181,660	2,440,851	6,019,171
1909	264,810	272,421	7,012,066	4,105,470	6,261,736	3,205,213	8,160,075
1914	268,436	258,560	7,514,186	5,015,977	6,602,287	3,782,322	9,385,622
1919	270,231	249,865	9,836,801	12,426,902	8,464,916	9,664,009	23,841,624
1921	192,059	172,291	7,557,364	9,870,199	6,475,474	7,451,299	17,252,775
1923	192,096	147,958	9,474,658	12,996,460	8,194,170	10,148,624	24,569,487
1925	183,877	132,971	9,142,417	12,957,707	7,871,409	9,979,649	25,667,624
1927	187,629	132,151	9,072,052	13,123,135	7,848,070	10,099,465	26,325,394
1929	206,663	132,686	9,659,742	14,284,282	8,369,705	10,884,919	30,591,435
1931	171,450	(4)	(4)	(4)	6,163,144	6,688,541	18,600,532
1933	139,325	72,267	[6] 6,557,925	[6] 6,237,800	5,787,611	4,940,146	14,007,540
1935	167,916	81,521	8,262,295	9,564,754	7,203,794	7,311,329	18,552,553
1937	166,794	99,268	9,786,402	12,829,749	8,569,231	10,112,883	25,173,539
1939	[7] 173,802	[8] 123,655	[8] 9,527,306	[8] 12,706,102	[7] 7,808,205	[7] 8,997,515	[7] 24,487,304
1947	240,881	188,948	14,294,304	39,689,527	11,916,188	30,242,343	74,425,825

[1] Figures for 1939 and 1947 include data for employees of manufacturing establishments engaged in distribution and construction work. Extent to which data for such employees were included in figures for earlier years is not known.

[2] For 1939 and earlier years, data represent sum of average number of production workers for year and number of nonproduction workers reported for 1 pay-roll period (usually in October). For 1947, data represent average of 12 monthly figures.

[3] Value of products less cost of materials, supplies, fuel, electricity, and contract work. For 1849–1933, cost of contract work was not subtracted from value of products in calculating value added by manufacture.

[4] Not available. [5] Reduced to gold basis.

[6] Excludes data for salaried officers of corporations and their salaries; therefore not strictly comparable with figures for other years.

[7] Revised on basis of retabulation of returns to exclude data for establishments classified as manufacturing in 1939 and prior years but classified as nonmanufacturing in 1947. Value added by manufacture prior to revision and on a basis comparable with 1937 and previous years, was $24.7 billion.

[8] Number of proprietors and firm members not revised. Figures for "All employees" revised on basis of estimates rather than by retabulation of 1939 reports. (See footnote 7.)

Source: Department of Commerce, Bureau of the Census; 1947 Census of Manufactures reports.

No. 910.—Population, Wage Earners, and Production—Indexes: 1899 to 1947

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

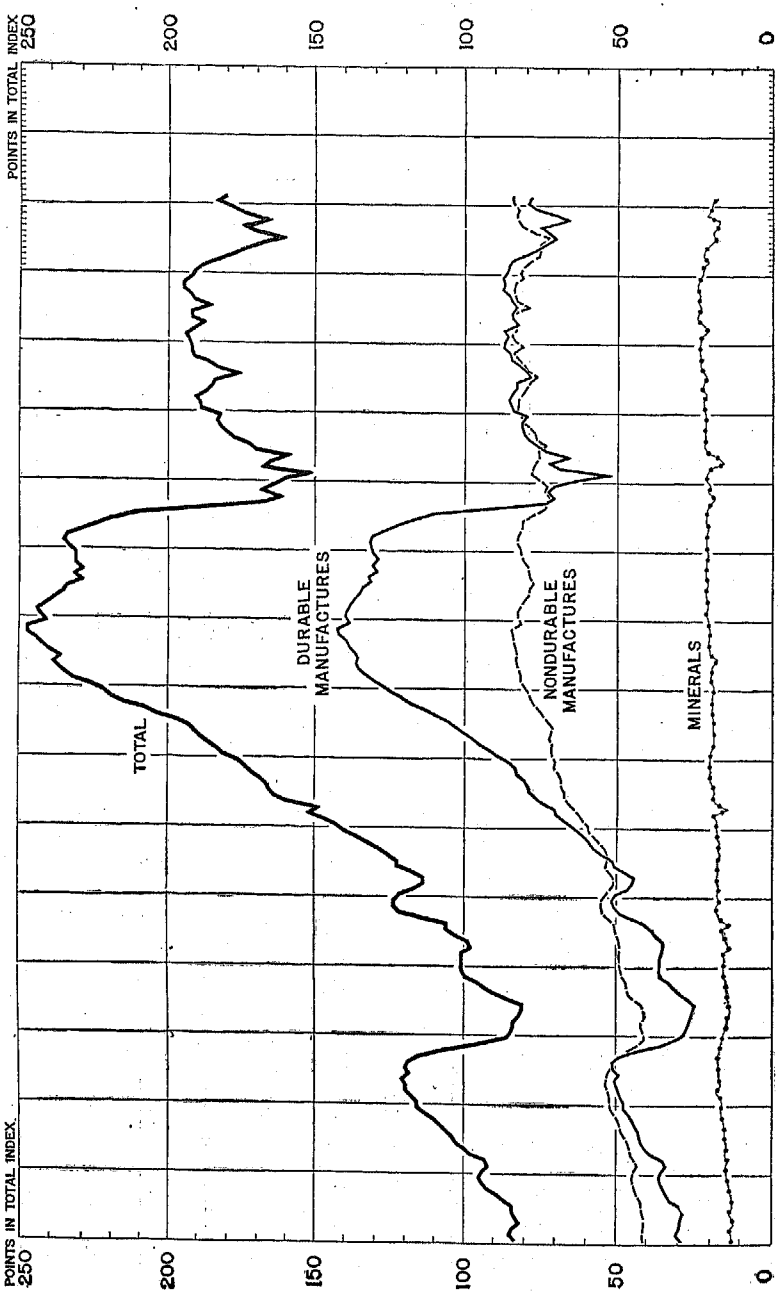
Census year	Population	Wage earners	Production (quantity) [1]	Production per wage earner	Census year	Population	Wage earners	Production (quantity) [1]	Production per wage earner
1899	100	100	100	100	1927	158	178	317	178
1904	110	115	124	108	1929	162	190	364	192
1909	121	139	158	114	1931	166	140	262	187
1914	131	147	186	127	1933	168	131	228	174
1919	140	191	222	116	1935	170	163	301	185
1921	145	147	194	132	1937	172	194	376	194
1923	149	186	280	151	1939	175	187	373	199
1925	154	178	298	167	1947	193	270	(2)	(2)

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

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

FIGURE X.—INDUSTRIAL PRODUCTION INDEXES: 1935 to 1949

[Based on physical volume, adjusted for seasonal variation, 1935-39 average for total=100. See table 911]



Source: Board of Governors of the Federal Reserve System.

No. 911.—Industrial Production—Indexes, by Groups: 1929 to 1949

[1935-39 average=100. For discussion of revisions beginning 1939, see Federal Reserve Bulletin, Oct. 1943; for discussion of revisions for earlier years, see Bulletins for Aug. 1940 and Sept. 1941. Monthly data adjusted for seasonal variation. See also *Historical Statistics*, series J 30-48 and G 6-8]

Year and month	Total	Manufactures										
		Total	Durable manufactures							Nondurable manufactures		
			Total	Iron and steel	Machinery	Transportation equipment	Nonferrous metal and products	Lumber and products	Stone, clay, and glass products	Total	Textiles and products	Leather and products
1929	110	110	132	133	130	134	136	146	110	93	94	95
1930	91	90	98	97	100	91	106	105	96	84	74	84
1931	75	74	67	61	66	62	83	76	77	79	79	82
1932	58	57	41	32	43	38	52	51	51	70	71	76
1933	69	68	54	54	50	48	60	63	54	79	88	88
1934	75	74	65	61	69	69	62	64	64	81	76	91
1935	87	87	83	81	83	93	80	85	77	90	93	99
1936	103	104	108	114	105	110	104	105	103	100	104	103
1937	113	113	122	123	126	123	122	113	114	106	106	102
1938	89	87	78	68	82	72	80	90	92	95	85	93
1939	109	109	109	114	104	103	113	106	114	109	112	105
1940	125	126	139	147	136	145	139	116	124	115	114	98
1941	162	168	201	186	221	245	191	134	162	142	152	123
1942	199	212	279	199	340	464	214	134	168	158	157	122
1943	239	258	360	208	443	735	267	129	173	176	153	114
1944	235	252	353	206	439	719	259	125	164	171	148	113
1945	203	214	274	183	343	487	204	109	163	166	146	117
1946	170	177	192	150	240	232	157	131	192	165	162	122
1947	187	194	220	195	276	230	187	143	206	172	163	116
1948	192	198	225	208	277	235	193	145	206	177	170	111
1949	176	183	202	188	234	235	160	130	188	168	147	106
March	184	193	223	233	252	240	183	129	195	168	142	113
June	169	175	194	177	225	240	133	123	186	161	126	105
September	174	184	199	179	224	252	157	132	183	173	155	115
December	179	188	203	201	227	211	165	158	187	176	173	101

Year and month	Manufactures—continued								Minerals		
	Nondurable manufactures—Continued										
	Manufactured food products	Alcoholic beverages	Tobacco products	Paper and products	Printing and publishing	Petroleum and coal products	Chemical products	Rubber products	Total	Fuels	Metals
1929	101	--------	96	85	104	96	89	100	107	103	134
1930	100	--------	93	79	97	89	87	78	93	91	102
1931	90	--------	87	74	88	80	78	72	80	82	68
1932	79	--------	79	65	74	69	68	64	67	72	36
1933	83	--------	80	76	75	74	76	77	76	80	51
1934	88	74	87	75	80	79	83	86	80	83	58
1935	89	89	90	86	89	85	89	93	86	89	73
1936	98	109	99	98	99	97	99	107	99	99	102
1937	103	108	103	107	109	108	112	104	112	109	127
1938	101	96	102	95	96	100	96	83	97	99	86
1939	108	98	106	114	106	110	112	113	106	105	113
1940	113	101	109	123	112	120	130	123	117	114	134
1941	127	117	120	150	127	135	176	163	125	122	148
1942	134	118	131	142	115	147	278	172	129	125	148
1943	145	117	133	139	111	185	384	228	132	132	126
1944	152	144	125	139	101	247	324	234	140	145	113
1945	150	178	136	139	108	236	284	215	137	143	101
1946	149	191	156	145	127	173	236	225	134	142	88
1947	157	190	160	158	144	193	251	226	149	155	118
1948	159	182	164	164	154	218	254	206	155	161	120
1949	163	172	165	156	155	209	241	185	135	139	107
March	162	187	172	151	153	213	245	182	136	137	129
June	165	169	172	143	149	202	233	178	133	135	124
September	167	174	175	169	159	208	236	202	119	122	98
December	160	173	149	167	159	219	246	192	132	136	106

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

No. 912.—Manufactures—Selected Statistics, by Size of Establishment, for Major Industry Groups: 1947

[Value figures in thousands of dollars. Employee figures are average for year]

Major industry group and item	Total all establishments	Establishments with an average of— 1-9 employees	10-49 employees	50-99 employees	100-499 employees	500-999 employees	1,000 and over
All industries, total:							
Number of establishments	240,881	117,005	80,662	18,672	19,878	2,729	1,935
All employees	14,294,304	471,887	1,805,842	1,300,719	4,160,981	1,883,464	4,671,411
Value added by manufacture	74,425,825	2,352,589	8,651,864	6,592,661	22,253,865	10,185,817	24,389,029
Food and kindred products:							
Number of establishments	39,933	20,121	14,040	2,934	2,515	216	107
All employees	1,441,847	83,456	309,226	205,485	486,450	143,044	214,186
Value added by manufacture	9,024,912	411,718	1,584,791	1,239,198	3,306,613	1,077,796	1,404,796
Tobacco manufactures:							
Number of establishments	1,086	604	202	85	147	27	21
All employees	111,782	1,897	4,763	6,054	35,639	17,943	45,486
Value added by manufacture	641,356	4,089	12,699	16,015	130,371	86,546	391,636
Textile mill products:							
Number of establishments	8,185	1,921	2,651	1,091	1,914	399	209
All employees	1,233,431	8,618	62,636	77,963	436,674	272,795	374,745
Value added by manufacture	5,340,876	56,062	279,580	313,168	1,813,278	1,148,978	1,729,815
Apparel and related products:							
Number of establishments	30,960	12,674	13,045	2,979	2,122	114	26
All employees	1,081,844	52,464	306,759	204,919	396,421	75,796	45,485
Value added by manufacture	4,443,373	359,392	1,359,694	800,235	1,461,012	275,689	187,351
Lumber and products, exc. furniture:							
Number of establishments	26,231	13,907	9,545	1,570	1,132	63	14
All employees	635,708	62,233	195,549	107,734	208,782	42,495	18,915
Value added by manufacture	2,497,192	192,537	634,602	422,479	927,486	209,432	110,656
Furniture and fixtures:							
Number of establishments	7,687	3,499	2,768	667	658	53	22
All employees	322,384	14,427	62,579	46,295	129,305	36,342	33,436
Value added by manufacture	1,377,908	58,810	251,378	197,195	550,183	170,432	149,910
Paper and allied products:							
Number of establishments	4,103	687	1,517	687	1,051	124	37
All employees	449,833	3,533	38,829	48,513	225,006	84,721	49,231
Value added by manufacture	2,874,958	16,999	196,071	302,770	1,521,553	562,275	275,290
Printing and publishing industries:							
Number of establishments	28,986	19,423	7,250	1,138	990	103	82
All employees	715,450	72,242	153,757	78,029	197,463	70,523	143,436
Value added by manufacture	4,269,416	353,725	820,454	445,256	1,177,352	457,752	1,014,877
Chemicals and allied products:							
Number of establishments	10,073	4,578	3,519	928	844	110	94
All employees	632,319	18,195	80,359	63,891	173,554	76,365	219,955
Value added by manufacture	5,365,201	127,044	650,811	522,019	1,618,357	767,678	1,679,292
Petroleum and coal products:							
Number of establishments	1,387	478	419	158	253	42	37
All employees	212,003	2,079	9,979	11,028	60,193	28,266	100,458
Value added by manufacture	2,015,307	18,682	108,525	135,106	614,224	252,454	886,316
Rubber products:							
Number of establishments	875	271	269	89	147	43	56
All employees	259,092	1,078	6,516	6,462	34,326	30,826	179,884
Value added by manufacture	1,302,863	4,749	29,848	28,454	172,195	147,260	920,357
Leather and leather products:							
Number of establishments	5,308	1,952	1,821	561	845	111	18
All employees	383,175	8,117	42,935	39,669	194,043	76,580	21,831
Value added by manufacture	1,532,803	90,333	173,246	153,606	738,052	304,337	73,229
Stone, clay, and glass products:							
Number of establishments	11,650	7,124	2,966	624	787	88	61
All employees	462,072	25,637	64,630	43,184	166,186	61,497	100,938
Value added by manufacture	2,306,480	96,290	292,646	197,921	871,428	324,224	523,971
Primary metal industries:							
Number of establishments	5,363	1,518	1,699	640	1,059	219	228
All employees	1,157,124	6,456	41,831	45,110	244,756	151,508	667,463
Value added by manufacture	5,765,434	30,570	191,961	217,572	1,373,312	815,250	3,136,769
Fabricated metal products:							
Number of establishments	16,734	7,774	5,653	1,384	1,553	254	116
All employees	971,461	31,259	129,091	96,867	326,801	172,427	215,016
Value added by manufacture	4,921,476	153,262	651,636	503,709	1,728,368	879,453	1,005,048
Machinery (except electrical):							
Number of establishments	17,906	8,432	5,825	1,341	1,696	322	290
All employees	1,545,323	33,883	128,657	93,629	370,448	226,148	692,558
Value added by manufacture	7,812,455	173,358	677,207	513,032	2,010,322	1,188,055	3,250,481
Electrical machinery:							
Number of establishments	3,973	1,281	1,206	448	698	178	162
All employees	801,359	5,375	28,589	31,698	166,162	133,091	436,444
Value added by manufacture	3,894,115	23,990	129,623	149,531	800,215	624,822	2,165,934

No. 912.—Manufactures—Selected Statistics, by Size of Establishment, for Major Industry Groups: 1947—Continued

[Value figures in thousands of dollars. Employee figures are average for year]

Major industry group and item	Total all establishments	Establishments with an average of—					
		1-9 employees	10-49 employees	50-99 employees	100-499 employees	500-999 employees	1,000 and over
Transportation equipment:							
Number of establishments	3,711	1,466	1,070	307	464	146	258
All employees	1,181,680	5,780	25,208	21,484	102,774	103,692	922,742
Value added by manufacture	5,869,196	23,938	120,487	106,498	508,600	529,811	4,579,862
Instruments and related products:							
Number of establishments	2,599	1,270	795	195	249	40	50
All employees	231,997	4,690	17,604	13,440	53,586	29,236	113,441
Value added by manufacture	1,080,336	23,434	81,119	65,764	261,128	142,504	506,387
Miscellaneous manufactures:							
Number of establishments	14,131	8,025	4,382	846	754	77	47
All employees	464,420	30,468	96,345	59,265	152,412	50,169	75,761
Value added by manufacture	2,090,168	133,607	405,486	263,133	669,816	221,074	397,052

Source: Department of Commerce, Bureau of the Census; 1947 Census of Manufactures reports.

No. 913.—Manufactures—Prime Movers, Motors, and Generators, by Number and Rated Capacity: 1899 to 1939

[See also *Historical Statistics*, series J 11-12 for horsepower of prime movers and electric motors driven by purchased energy]

Kind	1899	1909	1919	1929	1939
Number of establishments reporting power equipment	[1] 131,309	[1] 181,994	[1] 219,398	190,091	[2] 179,674
Prime movers, horsepower	[3] 9,633,215	[4] 16,393,467	19,432,157	19,328,309	21,239,195
Electric motors driven by purchased energy, horsepower	178,176	1,669,226	8,965,406	21,793,762	29,213,085
Prime movers:					
Steam engines:					
Number	[5] 127,145	[5] 148,001	110,609	62,395	42,538
Horsepower	[5] 7,999,241	[5] 13,806,053	13,346,169	9,157,755	6,533,429
Steam turbines:					
Number	([5])	([5])	5,655	8,883	12,631
Horsepower	([5])	([5])	3,098,698	7,409,748	11,295,872
Diesel and semi-Diesel engines:					
Number	([6])	([6])	([6])	([6])	5,311
Horsepower	([6])	([6])	([6])	([6])	630,181
Other internal-combustion engines:					
Number	[6] 14,231	[6] 33,866	[6] 30,080	[6] 10,991	10,278
Horsepower	[6] 132,961	[6] 739,736	[6] 1,223,296	[6] 1,203,303	1,176,044
Hydroturbines and water wheels:					
Number	[7] 23,078	[7] 21,226	[7] 13,952	6,511	3,854
Horsepower	[7] 1,453,821	[7] 1,819,465	[7] 1,763,994	1,557,503	1,603,669
Electric generators, kilowatt rating	([8])	([8])	([8])	7,591,999	9,658,828
Electric motors, total horsepower	475,342	4,582,689	15,612,644	33,844,131	45,291,319
Driven by purchased energy:					
Number	([8])	193,898	954,916	2,655,142	4,138,287
Horsepower	178,176	1,669,226	8,965,406	21,793,762	29,213,085
Driven by energy generated in plant:					
Number	16,317	180,791	465,519	829,959	1,224,478
Horsepower	297,166	2,913,463	6,647,238	12,050,369	16,078,234

[1] Because of change from $500 to $5,000 in minimum-value-of-products limit, "Number of establishments reporting power equipment" figures for 1919 and earlier years are not comparable with those for 1929 and 1939. This change did not, however, materially impair comparableness of figures for other items in this table.
[2] Returns for "Logging camps and logging contractors (not operating mills)," numbering 967, were excluded from power tabulations.
[3] Includes 47,192 horsepower reported as other owned power, not distributed by type of prime mover.
[4] Includes 28,213 horsepower reported as other owned power, not distributed by type of prime mover.
[5] Figures for "Steam engines" include data for "Steam turbines," not reported separately.
[6] Figures for "Other internal-combustion engines" include data for "Diesel and semi-Diesel engines," not reported separately.
[7] Includes data for water motors.
[8] Not available.

Source: Department of Commerce, Bureau of the Census; 1939 Census of Manufactures reports, Vol. I.

No. 914.—Industrial Power Requirements of Manufacturing and Extracting Industries: 1939 to 1946

[Based on reports filed by more than 5,000 manufacturing, industrial, and other establishments consuming over 85 percent of the total energy used by such establishments. Use for 1946 was estimated. Data have been adjusted to census coverage based on 1939 Census of Manufactures and 1939 Census of Mineral Industries]

[In millions of kilowatt-hours]

INDUSTRY	1939	1940	1941	1942	1943	1944	1945	1946[1]
Total	79,044	92,390	113,932	133,899	158,525	158,751	143,162	133,682
Manufacturing industries, total	70,518	82,661	103,109	120,844	143,963	144,319	129,183	120,280
Food and kindred products	6,386	6,532	7,315	7,905	8,561	8,724	8,988	9,603
Tobacco manufactures	115	126	140	145	160	164	177	176
Textile-mill products	6,800	7,394	9,119	9,794	9,377	8,816	8,436	8,895
Apparel and other finished products	357	420	514	554	605	539	661	658
Lumber and timber basic products	1,245	1,424	1,582	1,686	1,630	1,462	1,464	1,601
Furniture and finished lumber products	605	679	830	845	886	867	882	977
Paper and allied products	9,097	10,006	11,185	11,270	10,985	11,038	11,445	12,154
Printing and publishing	859	930	1,025	1,042	1,075	1,101	1,161	1,213
Chemicals and allied products	9,747	12,602	16,397	21,671	28,684	29,163	24,590	21,565
Products of petroleum and coal	3,438	3,844	4,358	4,621	5,229	6,243	6,539	6,385
Rubber products	1,584	1,652	2,073	1,754	2,137	2,494	2,683	3,015
Leather and leather products	402	416	523	559	556	556	579	587
Stone, clay, and glass products	4,851	5,301	6,547	6,968	6,070	5,100	5,400	6,627
Iron and steel and their products	12,246	14,810	18,703	20,316	22,364	23,290	21,702	19,406
Nonferrous metals and their products	5,954	7,805	10,663	15,375	23,495	20,755	14,912	11,811
Electrical machinery	1,432	1,817	2,522	2,999	3,542	3,658	3,385	2,955
Machinery, except electrical	1,985	2,549	3,634	4,816	5,811	5,861	5,136	4,796
Automobiles and automobile equipment	2,467	3,042	3,668	3,454	4,572	4,662	3,774	4,245
Transportation equipment	482	796	1,648	4,277	7,291	8,909	6,418	2,782
Miscellaneous industries	466	516	663	793	933	917	852	830
Government manufacturing industries, total	441	614	929	1,918	2,886	3,082	2,673	1,701
Shipbuilding and ship repairing	180	250	414	735	986	1,155	1,108	957
Arsenal and ordnance products	90	133	319	809	1,109	1,100	826	267
Miscellaneous government products	171	231	196	374	791	827	739	477
Extracting industries, total	8,085	9,115	9,894	11,137	11,676	11,350	11,306	11,701
Metal mining	2,895	3,340	3,697	4,164	4,227	3,819	3,424	3,503
Coal mining	3,525	3,938	4,181	4,856	5,168	5,238	5,382	5,546
Nonmetallic mining and quarrying	828	939	1,131	1,230	1,346	1,348	1,501	1,646
Crude petroleum and natural gas production	837	898	885	887	935	945	998	1,006

[1] 1947 statistics, compiled by Bureau of Census from Census of Manufactures, show a total for manufacturing industries of 140,947 million kilowatt-hours. Adding estimates for government and extracting industries indicate a total for all uses shown of 157,145 million kilowatt-hours. Bureau of Census data follow somewhat different classifications and details are not comparable in all cases.

Source: Federal Power Commission; annual report, Industrial Electric Power in the United States, 1939-1946. (Series discontinued.)

No. 915.—Manufactures—General Statistics, by Major Industry Groups: 1947 and 1939

[Figures for 1939 adjusted for comparability with 1947. See general note, p. 751]

Industry group	1947							1939		
	Number of establishments	Number of proprietors and firm members	All employees [1]		Production workers		Value added by manufacture (1,000) [2]	Number of establishments	Number of production workers (average for the year)	Value added by manufacture (1,000) [2]
			Number (average for the year)	Salaries and wages, total (1,000)	Number (average for the year)	Wages, total (1,000)				
All industries, total	**240,881**	**188,948**	**14,294,304**	**$39,689,527**	**11,916,188**	**$30,242,343**	**$74,425,825**	**173,802**	**7,808,205**	**$24,487,304**
Food and kindred products	39,933	31,430	1,441,847	3,789,387	1,099,478	2,572,190	9,024,912	43,667	802,133	3,484,696
Tobacco manufactures	1,086	874	111,782	205,838	103,289	175,318	641,356	765	87,525	350,152
Textile mill products	8,185	4,068	1,233,431	2,836,166	1,147,194	2,449,312	5,340,876	6,388	1,081,710	1,817,996
Apparel and related products	30,960	28,430	1,081,844	2,527,499	972,897	2,015,220	4,443,373	20,275	752,829	1,386,004
Lumber and products (except furniture)	26,231	29,272	635,708	1,337,612	596,118	1,179,981	2,497,192	13,208	422,947	731,208
Furniture and fixtures	7,687	6,112	322,384	824,061	282,780	653,915	1,377,908	5,178	189,382	417,785
Paper and allied products	4,103	1,289	449,833	1,280,672	388,901	1,010,972	2,874,958	3,328	270,239	888,350
Printing and publishing industries	28,986	22,685	715,450	2,277,263	438,135	1,318,285	4,269,416	24,878	324,371	1,765,314
Chemicals and allied products	10,073	4,034	632,319	1,910,463	466,458	1,242,628	5,365,201	8,839	275,669	1,818,941
Petroleum and coal products	1,387	398	212,003	739,345	169,610	556,365	2,015,307	1,227	107,695	697,273
Rubber products	875	366	259,092	783,464	214,533	614,762	1,302,863	595	120,740	406,155
Leather and leather products	5,308	3,496	383,175	873,566	348,529	725,143	1,532,803	3,505	327,189	582,915
Stone, clay, and glass products	11,650	10,323	462,072	1,210,768	405,755	994,884	2,306,480	6,678	267,094	856,323
Primary metal industries	5,363	2,893	1,157,124	3,594,548	1,010,055	2,976,507	5,765,434	3,512	672,438	2,168,899
Fabricated metal products	16,734	12,348	971,461	2,832,835	822,514	2,188,581	4,921,476	9,532	451,087	1,400,883
Machinery (except electrical)	17,906	13,159	1,545,323	4,804,563	1,244,135	3,592,771	7,812,455	8,860	536,082	2,036,965
Electrical machinery	3,973	1,727	801,359	2,271,039	639,147	1,647,401	3,894,115	1,979	247,930	941,469
Transportation equipment	3,711	2,534	1,181,680	3,719,583	987,142	2,939,815	5,869,196	2,012	544,553	1,772,573
Instruments and related products	2,599	1,661	231,997	665,347	181,939	467,785	1,080,336	1,292	84,867	333,409
Miscellaneous manufactures	14,131	11,849	464,420	1,205,508	397,579	920,508	2,090,168	8,084	241,725	629,994

[1] Includes all full-time and part-time production and related workers, force-account construction workers, clerical and routine office workers, administrative, supervisory, sales, technical, and all other personnel on the pay rolls of manufacturing establishments. Excludes employees of central administrative offices operated by concerns having 2 or more manufacturing establishments. Wages and salaries represent the gross earnings of employees including commissions, dismissal pay, nonproduction bonuses, vacation and sick leave pay, and compensation in kind, and prior to such deductions as employees' social security contributions, withholding taxes, group insurance, union dues, and savings bonds.

[2] Value of products less cost of materials, supplies, fuel, electricity, and contract work.

Source: Department of Commerce, Bureau of the Census; 1947 Census of Manufactures reports.

No. 916.—Manufactures—General Statistics, by Industry: 1947 and 1939

[Figures for 1939 adjusted for comparability with 1947. See general note, p. 751]

Industry	1947						Number of production workers (average for the year), 1939
	Number of establishments	All employees [1]		Production workers		Value added by manufacture ($1,000) [2]	
		Number (average for the year)	Salaries and wages, total ($1,000)	Number (average for the year)	Wages, total ($1,000)		
Food and kindred products	39,933	1,441,847	3,789,387	1,099,478	2,572,190	9,024,912	802,133
Meat products	3,974	274,441	781,940	220,732	584,566	1,280,692	146,624
Meat packing, wholesale	2,153	208,369	622,770	167,072	468,743	976,995	115,046
Prepared meats	1,264	44,379	122,742	34,473	86,570	235,537	17,624
Poultry dressing, wholesale	557	21,693	36,428	19,187	29,253	68,160	13,954
Dairy products	5,423	92,693	225,312	69,074	155,841	595,168	50,488
Creamery butter	1,633	20,564	44,373	15,242	31,883	107,248	17,953
Natural cheese	1,711	12,320	27,597	10,535	23,024	63,257	5,009
Concentrated milk	428	16,635	42,870	13,982	34,838	148,771	9,705
Ice cream and ices	1,521	35,807	92,000	23,196	52,222	228,049	15,443
Special dairy products	130	7,367	18,472	6,119	13,874	47,843	2,378
Canning, preserving, and freezing	3,826	201,627	418,669	181,004	339,224	916,621	135,087
Canned sea food	254	20,153	37,207	18,929	31,755	96,807	15,735
Cured fish	127	2,431	5,111	2,143	3,763	9,948	1,893
Canning and preserving, exc. fish	2,265	135,974	288,443	121,916	234,886	609,939	93,603
Dehydrated fruits and vegetables	146	3,976	8,145	3,662	6,834	18,155	8,058
Pickles and sauces	743	21,730	48,221	18,584	36,153	122,395	12,464
Frozen foods	291	17,363	31,542	15,770	25,833	59,377	3,334
Grain-mill products	4,206	113,217	311,736	86,063	216,229	1,001,692	50,682
Flour and meal	1,243	39,458	118,940	30,722	85,680	410,468	24,771
Prepared animal feeds	2,689	55,347	143,301	40,266	93,579	394,236	15,401
Cereal preparations	64	11,276	30,689	9,496	25,160	130,188	7,458
Rice cleaning and polishing	88	4,072	9,999	3,267	6,700	43,432	2,346
Blended and prepared flour	122	3,064	8,807	2,312	5,110	23,368	706
Bakery products	7,123	279,368	765,202	187,581	429,487	1,365,809	209,375
Bread and other bakery products	6,797	233,310	655,979	150,055	351,126	1,100,836	180,202
Biscuit, crackers, and pretzels	326	46,058	109,223	37,526	78,361	264,973	29,173
Sugar	181	35,423	91,291	30,749	75,529	233,869	28,760
Raw cane sugar	82	4,635	8,550	4,022	6,597	17,709	4,217
Cane-sugar refining	25	17,376	47,172	15,093	38,974	98,112	14,133
Beet sugar	74	13,412	35,569	11,634	29,958	118,048	10,410
Confectionery and related products	1,754	91,710	214,558	78,063	155,666	587,065	58,831
Confectionery products	1,686	75,165	167,886	64,883	123,046	413,852	49,740
Chocolate and cocoa products	31	9,605	27,480	7,708	19,174	98,276	6,464
Chewing gum	37	6,940	19,192	5,472	13,446	74,937	2,627
Beverages	6,755	202,574	598,654	138,515	375,921	1,850,914	67,777
Bottled soft drinks	5,618	79,397	194,305	41,214	83,291	420,711	21,265
Malt liquors	440	82,534	292,405	63,668	210,228	808,946	36,088
Malt	53	2,524	9,550	2,069	6,896	53,885	1,459
Wines and brandy	418	7,697	21,896	5,824	13,681	95,015	2,337
Distilled liquors, except brandy	226	30,422	80,498	25,740	61,825	472,357	6,628
Miscellaneous food preparations	6,691	150,794	382,025	107,697	239,727	1,193,082	54,509
Leavening compounds	48	3,066	8,944	2,364	6,804	46,494	2,334
Shortening and cooking oils	100	8,003	24,550	5,931	16,298	162,146	4,913
Oleomargarine	27	2,567	8,337	1,806	5,279	43,750	984
Corn products	55	12,324	41,115	10,158	32,688	127,143	6,764
Flavorings	606	11,726	37,149	7,242	17,720	158,333	3,589
Vinegar and cider	118	987	2,094	828	1,579	3,503	1,059
Manufactured ice	3,432	46,462	103,038	29,048	63,026	226,584	15,912
Macaroni and spaghetti	226	8,043	18,763	6,628	13,134	42,049	6,013
Liquid, frozen, and dried eggs	154	9,800	16,570	8,700	13,284	32,209	1,388
Food preparations, n. e. c.	1,925	47,816	121,465	34,992	69,915	350,871	11,553
Tobacco manufactures	1,086	111,782	205,838	103,289	175,318	641,356	87,525
Cigarettes	28	27,674	63,204	25,553	54,986	368,417	27,426
Cigars	822	47,068	76,344	44,512	68,402	143,145	50,897
Chewing and smoking tobacco	73	11,139	22,676	9,725	17,616	57,571	9,202
Tobacco stemming and redrying	163	25,901	43,614	23,499	34,314	72,223	----------

For footnotes, see p. 770.

No. 916.—MANUFACTURES—GENERAL STATISTICS, BY INDUSTRY: 1947 AND 1939—Continued

INDUSTRY	1947						Number of production workers (average for the year), 1939
	Number of establishments	All employees [1]		Production workers		Value added by manufacture ($1,000) [2]	
		Number (average for the year)	Salaries and wages, total ($1,000)	Number (average for the year)	Wages, total ($1,000)		
Textile mill products	8,185	1,233,431	2,836,166	1,147,194	2,449,312	5,340,876	1,081,710
Woolen and worsted manufactures	828	180,054	457,055	166,947	394,655	803,592	149,976
Scouring and combing plants	74	8,726	26,475	7,912	21,202	54,106	6,731
Yarn mills, wool, except carpet	200	33,178	75,380	31,463	66,443	127,808	22,764
Woolen and worsted fabrics	495	132,348	338,928	122,432	293,962	599,534	116,660
Finishing wool textiles	59	5,802	16,272	5,140	13,048	22,084	3,821
Yarn and thread mills, except wool	658	123,599	241,717	117,356	215,171	447,110	105,508
Yarn throwing mills	122	14,866	28,401	13,800	24,323	45,970	25,740
Thread mills	89	14,652	33,240	13,126	26,930	67,372	14,382
Yarn mills, cotton system	404	92,280	176,152	88,839	160,767	326,830	62,511
Yarn mills, silk system	43	1,801	3,924	1,591	3,151	6,929	2,875
Cotton and rayon broad woven fabrics	1,109	455,009	996,604	433,534	904,862	2,050,384	398,487
Cotton broad woven fabrics	602	357,361	764,532	342,360	699,871	1,562,336	318,892
Rayon and related broad woven fabrics	507	97,648	232,072	91,174	204,991	488,048	79,595
Narrow fabric mills	479	27,662	63,861	24,917	51,604	108,201	24,591
Knitting mills	3,126	230,527	492,718	212,962	414,036	854,596	236,628
Full-fashioned hosiery mills	738	70,034	178,062	65,148	156,320	319,369	97,200
Seamless hosiery mills	617	64,808	105,626	61,343	91,858	163,805	61,852
Knit outerwear mills	1,201	34,760	80,988	30,596	59,876	145,743	23,437
Knit underwear mills	172	40,579	80,520	37,546	67,990	134,399	37,478
Knit glove mills	46	5,212	9,222	4,955	8,203	14,730	5,574
Knit-fabric mills	308	14,158	36,087	12,502	28,051	72,272	9,548
Knitting mills, n. e. c.	44	976	2,213	872	1,738	4,278	1,539
Finishing textiles, except wool	641	77,985	218,933	69,035	176,094	359,270	60,237
Carpets and rugs	296	57,211	157,917	50,883	131,340	331,314	38,892
Wool carpets, rugs, and carpet yarn	95	40,096	111,558	35,560	92,656	217,046	28,727
Carpets and rugs, n. e. c.	182	7,055	14,378	6,444	11,556	30,986	3,137
Hard-surface floor coverings	19	10,060	31,981	8,879	27,128	83,282	7,028
Hats (except cloth and millinery)	271	21,428	55,159	18,864	43,362	92,040	23,639
Fur-felt hats and hat bodies	136	13,034	36,433	11,495	28,554	61,474	14,515
Wool-felt hats and hat bodies	49	4,467	9,394	3,967	7,664	13,938	4,572
Straw hats	40	2,438	5,387	2,057	4,113	8,610	2,659
Hatters' fur	46	1,489	3,945	1,345	3,131	8,018	1,893
Miscellaneous textile goods	777	59,956	152,202	52,696	118,188	294,369	43,752
Felt goods, n. e. c.	46	4,737	14,177	4,167	11,109	24,881	3,346
Lace goods	96	8,580	21,346	7,856	17,745	44,872	7,254
Paddings and upholstery filling	138	8,243	21,296	7,378	17,018	44,444	4,505
Processed textile waste	179	5,805	12,894	5,149	9,822	22,612	4,844
Coated fabrics, except rubberized	110	8,698	27,596	6,948	19,219	51,209	5,895
Jute (exc. felt), and linen goods	35	5,290	12,140	4,815	9,942	21,318	5,321
Cordage and twine	148	15,950	36,228	14,122	28,490	71,999	12,587
Textile goods, n. e. c.	25	2,653	6,525	2,261	4,843	13,034	(3)
Apparel and related products	30,960	1,081,844	2,527,499	972,897	2,015,220	4,443,373	752,829
Men's and boys' suits and coats	1,969	150,369	404,799	136,136	337,972	674,243	119,599
Men's and boys' suits and coats	1,816	146,768	396,244	132,866	331,151	658,358	116,352
Suit and coat findings	153	3,601	8,555	3,270	6,821	15,885	2,747
Men's and boys' furnishings	4,026	253,436	456,321	234,476	374,850	803,911	196,258
Men's dress shirts and nightwear	1,065	94,308	163,945	88,172	137,653	292,714	70,453
Men's and boys' underwear	103	7,269	11,330	6,929	9,847	20,348	6,543
Men's and boys' neckwear	413	10,744	25,367	9,246	18,485	50,708	9,603
Men's and boys' cloth hats and caps	313	5,541	12,379	5,063	10,455	20,685	3,383
Hat and cap materials	70	1,111	3,002	943	2,100	5,620	796
Separate trousers	976	48,300	93,639	44,939	77,370	163,731	31,327
Work shirts	85	12,061	16,609	11,169	13,858	33,212	13,449
Men's and boys' clothing, n. e. c.	1,001	74,102	130,050	68,015	105,082	216,893	60,704

For footnotes, see p. 770.

No. 916.—MANUFACTURES—GENERAL STATISTICS, BY INDUSTRY: 1947 AND 1939—Continued

INDUSTRY	1947						Number of production workers (average for the year), 1939
	Number of establishments	All employees [1]		Production workers		Value added by manufacture ($1,000)[2]	
		Number (average for the year)	Salaries and wages, total ($1,000)	Number (average for the year)	Wages, total ($1,000)		
Apparel, etc.—Con.							
Women's and misses' outerwear	10,085	313,402	846,340	279,029	671,342	1,427,891	208,895
Blouses and waists	1,361	32,757	67,473	29,946	54,166	123,640	9,073
Dresses, unit price	4,202	133,294	370,854	118,276	294,847	609,576	103,738
Dresses, dozen price	917	48,692	90,494	43,867	68,658	153,052	38,794
Women's suits and coats	2,477	74,306	261,425	65,397	211,245	438,145	41,032
Women's skirts	493	8,312	21,270	7,434	16,841	38,484	4,421
Women's neckwear and scarfs	166	2,754	6,963	2,181	3,829	16,850	1,031
Women's outerwear, n. e. c.	469	13,287	27,861	11,928	21,756	48,144	9,306
Women's and children's undergarments	2,051	94,558	197,898	83,895	145,208	387,974	58,624
Women's and children's underwear	1,516	57,306	114,543	51,997	86,181	227,236	39,859
Corsets and allied garments	535	37,252	83,355	31,898	59,027	160,738	18,765
Millinery	932	20,893	59,489	18,076	46,812	100,723	24,017
Children's outerwear	1,687	48,136	101,162	43,358	79,351	178,265	25,289
Children's dresses	664	22,435	43,416	20,347	33,975	76,469	15,133
Children's coats	506	12,427	33,229	10,990	25,899	58,365	3,501
Children's outerwear, n. e. c.	517	13,274	24,517	12,021	19,477	43,431	6,655
Fur goods	2,229	16,190	68,571	13,745	57,636	122,821	13,111
Misc. apparel and accessories	1,727	57,229	119,519	50,972	91,548	215,019	38,222
Fabric and combination dress gloves	130	5,136	8,378	4,769	6,998	13,256	3,852
Fabric and combination work gloves	144	10,981	17,979	10,421	15,963	35,005	8,901
Suspenders and garters	64	1,685	3,641	1,408	2,417	6,774	2,558
Robes and dressing gowns	376	10,884	23,353	9,803	17,630	42,563	5,774
Waterproof outer garments	247	8,283	19,561	7,339	14,991	31,975	2,412
Leather and sheep-lined clothing	126	4,335	10,678	3,816	8,041	18,798	4,672
Belts	396	9,162	22,016	7,573	15,889	38,037	4,222
Handkerchiefs	159	4,583	9,054	4,078	6,303	20,689	4,839
Apparel, n. e. c.	85	2,180	4,859	1,765	3 316	7,922	992
Misc. fabricated textiles	6,254	127,631	273,400	113,210	210,501	532,526	68,814
Curtains and draperies	397	7,982	17,081	6,928	11,702	34,909	7,691
Housefurnishings, n.e.c.	1,233	40,220	78,790	36,384	63,053	156,420	20,096
Textile bags	233	13,884	28,363	12,159	21,046	66,320	11,991
Canvas products	902	10,569	24,667	8,639	17,429	41,424	3,869
Tucking, pleating, and hemstitching	531	5,929	12,421	5,532	11,035	21,339	4,254
Trimmings and art goods	787	15,007	33,924	13,120	25,547	65,092	5,455
Schiffli-machine embroideries	546	5,678	15,054	5,080	11,681	31,733	3,750
Embroideries, except Schiffli-machine	787	9,836	20,234	9,308	17,627	34,521	4,797
Fabricated textile products, n.e.c.	838	18,526	42,866	16,060	31,381	80,768	6,911
Lumber and products (except furniture)	26,231	635,708	1,337,612	596,118	1,179,981	2,497,192	422,947
Lumber and timber basic products	19,685	406,815	797,151	388,665	728,645	1,560,476	269,209
Sawmills and planing mills, general	19,223	382,902	753,878	366,119	691,094	1,491,932	252,036
Veneer mills	156	10,461	20,441	9,722	17,248	36,858	7,784
Cooperage stock mills	250	12,291	20,253	11,739	17,984	27,191	8,464
Excelsior mills	56	1,161	2,579	1,085	2,319	4,495	925
Millwork and related products	2,681	94,275	255,366	83,214	207,733	442,746	56,434
Millwork plants	2,312	57,599	156,073	50,288	125,014	256,399	41,532
Plywood plants	162	26,499	71,026	24,448	61,977	146,087	13,154
Prefabricated wood products	207	10,177	28,267	8,478	20,742	40,260	1,748
Wooden containers	1,516	69,104	139,553	64,727	121,257	233,453	57,602
Fruit and vegetable baskets	141	9,105	13,398	8,781	12,093	19,330	9,093
Rattan and willow ware, n.e.c.	53	1,073	2,101	983	1,776	3,573	1,377
Cigar boxes	42	1,875	3,135	1,747	2,650	4,655	3,101
Wooden boxes (except cigar boxes)	1,025	47,828	98,833	44,606	85,757	174,545	36,838
Cooperage	255	9,223	22,086	8,610	18,981	31,350	7,193

For footnotes, see p. 770.

No. 916.—MANUFACTURES—GENERAL STATISTICS, BY INDUSTRY: 1947 AND 1939—Continued

INDUSTRY	1947						Number of production workers (average for the year), 1939
	Number of establishments	All employees [1]		Production workers		Value added by manufacture ($1,000) [2]	
		Number (average for the year)	Salaries and wages, total ($1,000)	Number (average for the year)	Wages, total ($1,000)		
Lumber, etc.—Con.							
Miscellaneous wood products	2,349	65,514	145,542	59,512	122,346	260,517	39,702
Wood preserving	242	16,247	37,142	14,772	32,020	92,041	11,242
Lasts and related products	50	1,959	5,348	1,699	4,159	8,937	1,519
Mirror and picture frames	246	3,811	10,255	3,293	7,742	15,506	3,220
Wood products, n. e. c.	1,811	43,497	92,797	39,748	78,425	144,033	23,721
Furniture and fixtures	7,687	322,384	824,061	282,780	653,915	1,377,908	189,382
Household furniture	4,880	228,946	559,025	204,020	450,772	933,467	143,100
Wood house furniture, except upholstered	2,251	132,709	306,371	120,661	254,595	492,738	83,923
Household furniture upholstered	1,391	44,755	114,861	39,786	92,908	192,430	32,226
Reed and rattan furniture	29	771	1,919	686	1,521	3,697	976
Metal house furniture, except upholstered	309	19,485	51,634	16,654	39,369	94,511	7,633
Mattresses and bedsprings	879	30,344	82,102	25,460	60,824	146,050	18,342
Household furniture, n. e. c.	21	882	2,138	773	1,555	4,041	(3)
Office furniture	218	21,292	59,834	17,984	47,128	107,711	11,165
Wood office furniture	115	6,601	17,211	5,897	14,152	26,839	4,013
Metal office furniture	103	14,691	42,623	12,087	32,976	80,872	7,152
Public and professional furniture	195	14,410	41,151	11,916	30,500	65,098	8,715
Public building furniture	118	8,855	24,710	7,402	18,716	37,632	5,900
Professional furniture	77	5,555	16,441	4,514	11,784	27,466	2,815
Partitions and fixtures	1,134	27,678	88,632	23,783	69,953	136,843	14,911
Screens, shades, and blinds	1,058	25,973	64,237	21,541	46,606	116,396	11,491
Window and door screens	284	9,510	25,205	7,766	17,894	44,416	2,830
Window shades	126	6,760	18,668	5,495	13,264	34,844	3,261
Venetian blinds	648	9,703	20,364	8,280	15,448	37,136	5,400
Miscellaneous furniture and fixtures	202	4,085	11,182	3,536	8,956	18,393	(3)
Restaurant furniture	173	3,370	9,161	2,880	7,273	15,201	(3)
Furniture and fixtures, n. e. c.	29	715	2,021	656	1,683	3,192	(3)
Paper and allied products	4,103	449,833	1,280,672	388,901	1,010,972	2,874,958	270,239
Pulp, paper, and paperboard	891	198,370	609,270	174,096	509,023	1,466,046	142,097
Pulp mills	226	50,290	148,125	45,412	127,452	415,938	26,870
Paper and board mills	665	148,080	461,145	128,684	381,571	1,050,108	115,227
Paper coating and glazing	182	18,133	56,832	15,194	43,190	126,840	7,450
Envelopes	164	13,797	39,191	11,543	27,656	68,253	8,689
Paper bags	193	22,265	53,860	19,558	42,318	119,265	11,081
Paperboard containers and boxes	1,652	119,131	316,136	102,861	236,020	670,127	69,167
Paperboard boxes	1,522	109,776	292,948	94,625	217,154	633,269	62,530
Fiber cans, tubes, drums, etc.	130	9,355	23,188	8,236	18,866	36,858	6,637
Pulp goods and misc. paper products	1,021	78,137	205,383	65,649	152,765	424,427	31,755
Die-cut paper and board	205	8,488	23,200	7,032	17,039	46,955	4,354
Wallpaper	58	5,462	16,287	4,771	12,222	32,732	4,054
Pulp goods, pressed and molded	19	1,748	4,910	1,482	3,870	9,672	701
Converted paper products, n. e. c.	739	62,439	160,986	52,364	119,634	335,068	22,646
Printing and publishing industries	28,986	715,450	2,277,263	438,135	1,318,285	4,269,416	324,371
Newspapers	8,339	234,376	743,854	118,116	372,752	1,398,724	96,731
Periodicals	2,166	68,823	235,508	19,346	64,314	664,632	15,411
Books	804	50,900	143,114	17,372	49,844	320,562	13,786
Books: publishing and printing	648	39,942	104,278	8,092	20,142	262,903	6,158
Book printing	156	10,958	38,836	9,280	29,702	57,659	7,628
Miscellaneous publishing	611	12,036	35,200	3,430	8,475	72,151	477
Commercial printing	11,932	193,415	598,702	155,987	453,516	977,686	112,389
Lithographing	1,413	52,240	192,178	41,247	126,872	313,462	26,948
Greeting cards	162	18,053	43,898	12,650	23,900	81,051	7,522

For footnotes, see p. 770.

No. 916.—Manufactures—General Statistics, by Industry: 1947 and 1939—Continued

Industry	1947						Number of production workers (average for the year), 1939
	Number of establishments	All employees [1]		Production workers		Value added by manufacture ($1,000) [2]	
		Number (average for the year)	Salaries and wages, total ($1,000)	Number (average for the year)	Wages, total ($1,000)		
Printing and publishing industries—Continued.							
Bookbinding and related industries	1,342	42,561	107,466	36,437	84,632	177,144	25,891
Bookbinding	686	22,227	57,541	20,037	48,857	90,259	14,339
Blankbook making and paper ruling	305	8,768	21,028	7,039	14,654	36,622	5,126
Loose-leaf binders and devices	131	8,133	20,946	6,445	14,914	36,797	3,964
Miscellaneous bookbinding work	220	3,433	7,951	2,916	6,207	13,466	2,462
Printing trades service industries	2,217	43,047	177,343	33,550	133,980	264,004	25,216
Typesetting	794	11,475	44,906	9,301	35,409	66,842	6,244
Engraving and plate printing	416	7,688	20,998	6,463	16,959	33,094	5,353
Photoengraving	770	16,711	80,003	12,234	57,962	116,131	9,207
Electrotyping and stereotyping	237	7,173	31,436	5,552	23,650	47,937	4,412
Chemicals and allied products	10,073	632,319	1,910,463	466,458	1,242,628	5,365,201	275,669
Industrial inorganic chemicals	412	65,347	204,113	50,203	146,960	454,699	33,595
Alkalies and chlorine	32	19,853	63,822	15,017	45,494	113,868	10,516
Inorganic chemicals, n. e. c.	380	45,494	140,291	35,186	101,466	340,831	23,079
Industrial organic chemicals	563	206,295	648,618	157,905	458,663	1,551,381	86,873
Cyclic (coal-tar) crudes	46	1,972	5,490	1,633	4,527	17,071	1,528
Plastics materials	125	29,337	93,410	22,212	64,306	200,341	7,191
Synthetic rubber	20	7,663	25,774	5,721	18,381	97,356	(3)
Synthetic fibers	38	71,882	199,910	57,857	150,380	447,877	48,332
Explosives	76	10,426	32,313	8,932	26,051	74,706	7,242
Organic chemicals, n. e. c.	258	85,015	291,721	61,550	195,018	714,030	22,580
Drugs and medicines	1,355	81,803	236,912	54,725	133,324	748,570	24,212
Biological products	85	3,154	8,831	2,244	5,119	19,941	2,155
Botanical products	15	709	2,042	506	1,245	9,009	618
Medicinal chemicals	92	12,388	40,178	9,414	28,032	110,516	1,802
Pharmaceutical preparations	1,163	65,552	185,861	42,561	98,928	609,104	19,637
Soap and related products	1,392	44,962	149,753	29,729	82,042	606,079	19,509
Soap and glycerin	249	27,660	93,638	19,394	57,619	450,721	13,624
Cleaning and polishing preparations	1,038	15,352	48,209	9,090	20,984	135,120	5,128
Sulfonated oils and assistants	105	1,950	7,906	1,245	3,439	20,238	757
Paints and allied products	1,456	67,807	224,840	45,822	124,936	573,237	27,660
Paints and varnishes	1,291	53,412	180,952	34,693	94,155	469,584	21,879
Inorganic color pigments	94	13,140	39,747	10,310	28,731	94,658	5,497
Whiting and fillers	71	1,255	4,141	819	2,050	8,995	284
Gum and wood chemicals	118	8,466	20,552	7,382	16,347	62,965	6,368
Hardwood distillation	27	1,872	4,140	1,618	3,313	7,490	1,770
Softwood distillation	32	4,574	11,815	4,071	9,655	46,064	2,353
Gum naval stores (steam distilled)	31	638	1,385	512	947	2,634	971
Natural tanning and dyeing materials	28	1,382	3,212	1,181	2,432	6,777	1,274
Fertilizers	704	31,933	71,607	26,574	52,758	186,601	18,807
Fertilizers	187	20,371	48,000	17,373	37,309	126,856	11,028
Fertilizers (mixing only)	517	11,562	23,607	9,201	15,449	59,745	7,779
Vegetable and animal oils	1,194	43,431	117,307	35,887	86,054	482,476	27,042
Cottonseed oil mills	315	14,398	31,419	12,136	22,560	104,603	15,191
Linseed oil mills	17	1,577	4,536	1,349	3,628	42,243	2,120
Soybean oil mills	133	6,460	18,773	5,076	13,489	105,291	1,481
Vegetable oil mills, n. e. c.	84	5,036	13,356	4,292	9,873	77,509	860
Marine animal oils	59	1,947	5,046	1,792	4,341	15,033	1,631
Grease and tallow	556	12,472	38,969	10,066	28,722	118,830	5,201
Fatty acids	16	1,335	4,433	1,037	3,055	17,151	522
Animal oils, n. e. c.	14	206	775	139	386	1,816	36

For footnotes, see p. 770.

No. 916.—MANUFACTURES—GENERAL STATISTICS, BY INDUSTRY: 1947 AND 1939—Continued

INDUSTRY	1947						Number of production workers (average for the year), 1939
	Number of establishments	All employees [1]		Production workers		Value added by manufacture ($1,000) [2]	
		Number (average for the year)	Salaries and wages, total ($1,000)	Number (average for the year)	Wages, total ($1,000)		
Chemicals, etc.—Con.							
Miscellaneous chemical products	2,879	82,275	236,761	58,231	141,544	699,193	31,603
Printing ink	239	6,021	20,496	4,154	11,890	51,949	2,480
Essential oils	42	1,151	3,787	896	2,510	14,477	440
Toilet preparations	718	26,023	65,580	18,186	36,697	226,872	10,363
Glue and gelatin	72	5,372	17,133	4,317	12,472	45,346	3,039
Carbon black	59	3,184	10,017	2,834	8,456	44,962	1,574
Compressed and liquefied gases	371	8,983	25,241	6,139	16,996	66,833	3,960
Insecticides and fungicides	166	4,579	13,452	3,216	7,997	30,121	656
Salt	38	4,809	12,762	4,056	9,826	25,197	3,737
Chemical products, n. e. c.	1,174	22,153	68,293	14,433	34,700	193,436	5,354
Petroleum and coal products	**1,387**	**212,003**	**739,345**	**169,610**	**556,365**	**2,015,307**	**107,695**
Petroleum refining	437	145,806	535,781	113,847	396,236	1,494,474	72,982
Coke and byproducts	167	38,938	119,996	34,416	101,012	278,230	21,693
Beehive coke ovens	78	3,100	10,251	2,935	9,597	21,661	685
Byproduct coke ovens	89	35,838	109,745	31,481	91,415	256,569	21,008
Paving and roofing materials	437	19,263	58,048	15,779	44,001	155,655	10,624
Paving mixtures and blocks	263	2,684	8,268	1,960	5,486	22,803	2,437
Roofing felts and coatings	174	16,579	49,780	13,819	38,515	132,852	8,187
Misc. petroleum and coal products	346	7,996	25,520	5,568	15,116	86,948	2,396
Fuel briquets and packaged fuel	99	1,204	3,467	1,042	2,986	9,093	410
Lubricants, n. e. c.	233	6,271	20,643	4,091	11,022	69,435	1,986
Petroleum and coal prod., n. e. c.	14	521	1,410	435	1,108	8,420	(3)
Rubber products	**875**	**259,092**	**783,464**	**214,533**	**614,762**	**1,302,863**	**120,740**
Tires and inner tubes	57	115,657	390,841	93,916	311,276	650,165	54,115
Rubber footwear	26	28,125	72,666	23,952	58,462	121,040	14,861
Reclaimed rubber	15	2,070	6,849	1,855	5,826	9,604	1,072
Rubber industries, n. e. c.	777	113,240	313,108	94,810	239,198	522,054	50,692
Leather and leather products	**5,308**	**383,175**	**873,566**	**348,529**	**725,143**	**1,532,803**	**327,189**
Leather tanning and finishing	561	53,205	156,540	48,627	130,586	403,783	47,252
Industrial leather belting	183	5,032	13,441	4,015	9,667	28,375	2,337
Footwear cut stock	606	22,077	47,793	19,706	38,468	87,301	18,845
Footwear (except rubber)	1,500	240,315	516,879	220,654	438,894	785,543	218,010
Footwear, except rubber	1,288	229,303	494,319	210,634	420,510	745,995	207,767
House slippers	212	11,012	22,560	10,020	18,384	39,548	10,243
Leather gloves and mittens	341	11,544	20,710	10,464	17,040	31,911	9,539
Leather dress gloves	252	8,968	15,844	8,151	13,141	24,042	7,690
Leather work gloves	89	2,576	4,866	2,313	3,899	7,869	1,849
Luggage	592	16,066	41,293	13,904	31,141	68,078	8,326
Handbags and small leather goods	980	25,907	57,011	23,246	44,122	96,076	17,663
Handbags and purses	734	20,301	45,409	18,404	35,992	76,586	14,048
Small leather goods	246	5,606	11,602	4,842	8,130	19,490	3,615
Miscellaneous leather goods	545	9,029	19,899	7,913	15,225	31,736	5,217
Saddlery, harness, and whips	140	2,861	6,294	2,501	5,021	9,437	2,755
Leather goods, n. e. c.	405	6,168	13,605	5,412	10,204	22,299	2,462
Stone, clay, and glass products	**11,650**	**462,072**	**1,210,768**	**405,755**	**994,884**	**2,306,480**	**267,094**
Flat glass	34	27,241	84,067	24,325	73,252	173,754	16,739
Pressed and blown glassware	213	89,302	230,287	79,417	193,954	421,518	53,083
Glass containers	87	47,132	126,503	41,943	107,101	252,069	25,753
Pressed and blown glassware, n. e. c.	126	42,170	103,784	37,474	86,853	169,449	27,330
Products of purchased glass	1,054	22,357	56,644	19,298	43,739	118,107	10,012
Cement, hydraulic	155	35,662	98,626	30,639	79,861	247,936	20,249
Structural clay products	1,110	69,273	169,179	62,689	144,040	280,392	56,745
Brick and hollow tile	674	29,617	69,399	27,002	59,876	110,867	29,069
Floor and wall tile	37	6,828	16,335	6,250	13,774	31,238	5,681
Sewer pipe	69	9,105	22,421	8,310	19,552	38,362	6,406
Clay refractories	169	17,978	47,074	15,950	38,684	76,054	12,211
Structural clay products, n. e. c.	161	5,745	13,950	5,177	12,154	23,871	3,378

For footnotes, see p. 770.

No. 916.—MANUFACTURES—GENERAL STATISTICS, BY INDUSTRY: 1947 AND 1939—Continued

INDUSTRY	1947						Number of production workers (average for the year), 1939
	Number of establishments	All employees [1]		Production workers		Value added by manufacture ($1,000) [2]	
		Number (average for the year)	Salaries and wages, total ($1,000)	Number (average for the year)	Wages, total ($1,000)		
Stone, clay, etc.—Continued							
Pottery and related products	742	58,006	146,962	53,376	126,677	224,792	33,105
Vitreous plumbing fixtures	33	7,831	24,615	6,996	21,187	45,677	4,534
Vitreous-china food utensils	27	11,100	26,849	10,326	23,530	35,228	4,350
Earthenware food utensils	76	16,747	42,091	15,742	37,175	54,837	11,728
Porcelain electrical supplies	50	11,547	30,463	10,447	25,454	52,832	6,018
China decorating for the trade	65	1,048	2,471	875	1,679	5,143	421
Pottery products, n. e. c.	491	9,733	20,473	8,990	17,652	31,075	6,054
Concrete and plaster products	6,494	70,176	169,559	61,572	140,032	346,761	28,947
Concrete products	6,158	46,821	106,484	41,537	88,471	202,789	15,455
Gypsum products	73	7,472	21,384	6,543	17,911	67,879	4,936
Lime	172	7,009	18,767	6,129	15,516	39,253	6,708
Mineral wool	91	8,874	22,924	7,363	18,134	36,840	1,848
Cut-stone and stone products	640	9,880	25,922	8,312	20,605	45,940	11,841
Misc. nonmetallic mineral products	1,208	80,175	229,522	66,127	172,724	447,280	36,373
Abrasive products	253	20,754	66,158	15,864	45,031	126,659	7,734
Asbestos products	111	21,463	60,119	18,140	47,429	112,571	10,415
Gaskets and asbestos insulations	191	12,960	36,047	10,743	27,038	65,303	5,907
Graphite: ground or blended	12	853	2,799	618	1,625	4,945	56
Minerals: ground or treated	206	7,955	21,328	6,729	16,798	51,058	5,173
Sand-lime products	26	303	746	250	591	1,186	346
Nonclay refractories	63	10,273	27,783	8,951	22,963	58,022	4,542
Statuary and art goods	272	2,025	4,268	1,629	3,534	7,391	983
Nonmetallic mineral products, n. e. c.	74	3,589	10,274	3,003	7,715	20,145	1,217
Primary metal industries	**5,363**	**1,157,124**	**3,594,548**	**1,010,055**	**2,976,507**	**5,765,434**	**672,438**
Blast furnaces and steel mills	320	547,364	1,735,111	478,960	1,454,985	2,659,250	391,215
Blast furnaces	86	36,937	112,018	32,697	93,598	328,060	19,537
Steel works and rolling mills	215	500,799	1,593,808	438,088	1,337,938	2,275,697	368,904
Electrometallurgical products	19	9,628	29,285	8,175	23,449	55,493	2,774
Iron and steel foundries	1,936	267,306	793,485	239,272	672,116	1,121,522	123,809
Gray-iron foundries	1,654	173,776	512,177	157,361	441,657	732,647	75,680
Malleable-iron foundries	78	29,862	90,811	26,659	76,750	121,661	18,041
Steel foundries	204	63,668	190,497	55,252	153,709	267,214	30,088
Primary nonferrous metals	88	42,804	127,026	37,396	107,291	325,643	27,630
Primary copper	27	14,629	44,790	13,065	38,967	134,658	24,828
Primary lead	16	4,663	14,082	4,022	11,610	35,902	
Primary zinc	20	12,424	35,476	11,088	30,475	77,068	
Primary aluminum	11	8,919	26,398	7,336	20,930	65,262	2,802
Primary nonferrous metals, n. e. c.	14	2,169	6,280	1,885	5,309	12,753	
Secondary nonferrous metals	322	18,402	56,576	14,750	39,046	119,667	8,109
Nonferrous metal rolling and drawing	162	88,824	264,117	74,796	209,657	503,363	46,309
Copper rolling and drawing	78	58,867	166,076	45,924	133,969	302,592	33,597
Aluminum rolling and drawing	29	27,365	73,665	22,786	57,544	150,697	9,926
Nonferrous metal rolling, n. e. c.	55	7,592	24,376	6,086	18,144	50,074	2,786
Nonferrous foundries	1,724	65,342	198,988	57,469	163,706	295,834	23,362
Misc. primary metal industries	811	127,082	419,245	107,412	329,706	740,155	52,004
Iron and steel forgings	250	36,724	128,198	32,384	105,776	197,111	14,764
Wire drawing	134	55,079	175,682	45,644	136,797	314,788	21,969
Welded and heavy-riveted pipe	50	13,144	43,115	11,306	34,348	89,614	8,370
Primary metal industries, n. e. c.	377	22,135	72,250	18,078	52,785	138,642	6,901
Fabricated metal products	**16,734**	**971,461**	**2,832,835**	**822,514**	**2,188,581**	**4,921,476**	**451,087**
Tin cans and other tinware	217	46,890	127,338	40,890	105,689	231,953	29,277
Cutlery, hand tools, and hardware	1,866	154,168	432,726	131,604	339,163	728,426	75,175
Cutlery	195	20,248	54,142	17,579	42,530	104,833	10,252
Edge tools	238	8,828	24,681	7,632	19,486	40,472	4,889
Hand tools, n. e. c.	579	35,668	103,191	30,138	79,061	174,540	14,722
Files	37	4,446	11,213	4,084	9,714	19,149	3,205
Hand saws and saw blades	89	8,441	25,600	7,380	20,872	42,975	4,072
Hardware, n. e. c.	728	76,537	213,899	64,791	167,500	346,457	38,035

For footnotes, see p. 770.

No. 916.—MANUFACTURES—GENERAL STATISTICS, BY INDUSTRY: 1947 AND 1939—Continued

INDUSTRY	1947						Number of production workers (average for the year), 1939
	Number of establishments	All employees [1]		Production workers		Value added by manufacture ($1,000) [2]	
		Number (average for the year)	Salaries and wages, total ($1,000)	Number (average for the year)	Wages, total ($1,000)		
Fabricated metal products—Continued							
Heating and plumbing equipment	1,276	150,882	439,102	126,725	339,029	789,524	78,330
Metal plumbing fixtures and fittings	277	34,089	96,371	30,107	80,144	155,944	22,889
Oil burners	151	6,318	19,889	4,646	12,760	44,388	1,552
Heating and cooking apparatus, n. e. c.	848	110,475	322,842	91,972	246,125	589,192	53,889
Structural metal products	4,507	212,379	661,099	172,690	486,737	1,143,553	83,429
Structural and ornamental products	1,667	79,678	249,034	64,278	180,105	440,701	36,776
Metal doors, sash, and trim	320	21,079	66,038	17,359	49,238	117,642	7,387
Boiler shop products	812	68,979	213,364	55,937	157,464	358,764	20,517
Sheet-metal work	1,708	42,643	132,663	35,116	99,930	226,446	18,749
Metal stamping and coating	4,437	182,983	521,331	159,926	414,874	861,173	80,649
Vitreous-enameled products	49	12,240	28,070	11,061	22,917	45,116	10,809
Metal stampings	1,981	132,011	388,038	113,976	304,120	642,483	57,182
Enameling and lacquering	261	4,025	10,188	3,653	8,653	16,638	1,821
Galvanizing	125	3,056	8,636	2,711	6,548	15,296	1,212
Engraving on metal	219	3,428	10,054	2,929	8,176	16,252	1,419
Plating and polishing	1,802	28,223	76,345	25,596	64,460	125,388	8,206
Lighting fixtures	1,206	47,596	132,858	39,883	97,351	247,619	20,477
Fabricated wire products	977	60,647	171,294	52,543	136,195	282,147	32,901
Nails and spikes	68	3,805	9,876	3,278	7,738	15,721	2,515
Wirework, n. e. c.	909	56,842	161,418	49,265	128,457	266,426	30,386
Misc. fabricated metal products	2,248	115,916	347,087	98,253	269,543	637,081	50,849
Metal barrels, drums, and pails	70	10,915	31,331	9,329	24,918	64,119	6,072
Safes and vaults	26	3,754	10,117	3,004	7,437	19,434	1,236
Steel springs	81	7,760	24,938	6,747	20,233	45,876	2,940
Bolts, nuts, washers, and rivets	364	49,235	151,514	40,908	115,790	285,451	20,722
Screw-machine products	1,207	28,492	86,850	24,740	68,949	143,853	10,571
Collapsible tubes	19	3,866	9,415	3,475	7,205	16,942	1,933
Metal foil	43	4,261	11,732	3,673	9,252	21,439	2,278
Fabricated metal products, n.e.c.	438	7,633	21,190	6,377	15,759	39,967	5,097
Machinery (except electrical)	**17,906**	**1,545,323**	**4,804,563**	**1,244,135**	**3,592,771**	**7,812,455**	**536,082**
Engines and turbines	151	93,064	298,789	71,826	218,538	408,099	18,846
Steam engines and turbines	17	21,640	71,972	15,375	49,584	80,947	4,094
Internal-combustion engines	134	71,424	226,817	56,451	168,954	327,152	14,752
Tractors and farm machinery	1,102	171,435	494,625	139,629	381,574	753,762	60,144
Tractors	94	77,317	227,767	62,926	177,966	332,062	30,898
Farm machinery (exc. tractors)	1,008	94,118	266,858	76,703	203,608	421,700	29,246
Construction and mining machinery	747	113,871	355,367	88,905	255,047	641,397	36,750
Construction and mining machinery	517	84,694	263,835	66,196	189,964	470,132	24,108
Oil-field machinery and tools	230	29,177	91,532	22,709	65,083	171,265	12,642
Metalworking machinery	4,293	214,543	728,840	172,982	541,586	1,131,182	80,954
Machine tools	316	70,657	235,938	54,892	166,206	347,965	36,997
Metalworking machinery, n. e. c.	428	54,988	182,068	43,568	132,810	302,842	18,123
Cutting tools, jigs, fixtures, etc.	3,549	88,898	310,834	74,522	242,570	480,375	25,834
Special-industry machinery, n. e. c.	4,106	215,967	685,776	173,592	512,363	1,095,558	77,246
Food-products machinery	622	36,839	113,506	28,826	82,062	191,214	14,155
Textile machinery	489	53,583	158,446	45,393	126,142	256,436	22,580
Woodworking machinery	294	15,642	48,707	12,623	35,332	86,360	3,649
Paper-industries machinery	149	17,088	57,749	13,398	41,523	81,358	5,570
Printing-trades machinery	326	24,752	84,333	19,584	62,616	131,625	9,564
Special-industry machinery, n. e. c.	2,226	68,063	223,035	53,768	164,688	348,565	21,728

For footnotes, see p. 770.

No. 916.—Manufactures—General Statistics, by Industry: 1947 and 1939—Continued

Industry	1947						Number of production workers (average for the year), 1939
	Number of establishments	All employees [1]		Production workers		Value added by manufacture ($1,000) [2]	
		Number (average for the year)	Salaries and wages, total ($1,000)	Number (average for the year)	Wages, total ($1,000)		
Machinery, etc.—Continued							
General industrial machinery	2,191	217,402	690,443	164,249	472,472	1,189,229	72,799
Pumps and compressors	447	54,726	167,498	40,358	115,404	282,476	20,063
Elevators and escalators	111	10,227	33,998	7,317	22,890	68,614	3,591
Conveyors	253	24,578	84,084	18,073	55,024	143,515	5,733
Blowers and fans	192	14,794	44,202	11,087	30,329	84,429	4,069
Industrial trucks and tractors	197	13,974	42,038	10,652	29,660	81,789	3,652
Power-transmission equipment	416	54,316	173,596	43,975	124,941	283,647	18,203
Industrial furnaces and ovens	108	6,341	21,719	4,045	11,872	38,990	1,283
Mechanical stokers	46	4,111	12,371	3,118	8,886	22,212	3,756
General industrial machinery, n. e. c.	421	34,335	110,937	25,624	73,466	183,557	12,449
Office and store machines	357	97,778	303,123	84,340	247,458	503,854	42,989
Computing and related machines	53	46,375	154,716	40,467	129,361	231,207	16,517
Typewriters	28	26,604	73,377	23,838	63,709	121,385	10,195
Scales and balances	75	6,526	18,849	4,874	12,847	34,766	2,839
Office and store machines, n. e. c.	201	18,273	56,181	15,161	41,541	116,496	7,438
Service and household machines	1,088	220,286	659,982	180,771	504,203	1,105,798	67,906
Domestic laundry equipment	65	28,403	85,596	23,651	65,596	161,791	7,466
Laundry and dry-cleaning machinery	127	9,093	27,435	6,888	19,015	54,347	2,783
Sewing machines	70	15,305	48,484	12,647	37,926	68,681	7,840
Vacuum cleaners	34	14,880	44,797	12,232	35,266	91,047	3,886
Refrigeration machinery	561	129,290	380,216	108,316	299,175	597,486	39,433
Measuring and dispensing pumps	52	12,083	36,972	8,884	24,174	66,223	5,054
Service and household machines, n. e. c.	179	11,232	36,482	8,153	23,051	66,223	1,444
Miscellaneous machinery parts	3,871	200,977	587,618	167,841	459,530	983,576	78,448
Valves and fittings, exc. plumbers'	453	80,075	238,951	65,855	184,638	393,860	32,159
Fabricated pipe and fittings	212	10,568	33,362	8,273	23,172	58,786	2,792
Ball and roller bearings	94	52,174	153,333	45,075	125,711	259,060	19,164
Machine shops	3,112	58,160	161,972	48,638	126,009	271,870	24,333
Electrical machinery	**3,973**	**801,359**	**2,271,039**	**639,147**	**1,647,401**	**3,894,115**	**247,930**
Electrical industrial apparatus	1,567	321,352	940,861	253,575	683,452	1,616,398	95,179
Wiring devices and supplies	342	38,367	102,322	32,452	77,451	213,596	14,024
Carbon and graphite products	44	7,818	22,028	6,426	16,504	40,218	3,189
Elec. measuring instruments	154	20,926	60,661	16,086	42,326	103,946	6,976
Motors and generators	256	127,012	374,135	101,852	282,252	569,745	44,423
Transformers	144	36,635	107,978	28,160	78,525	195,102	9,260
Electrical control apparatus	324	72,330	215,974	54,589	148,360	395,175	14,747
Electrical welding apparatus	108	7,265	29,151	5,139	17,709	57,310	1,653
Elec. industrial apparatus, n. e. c.	195	10,999	28,612	8,871	20,325	41,306	907
Electrical appliances	326	44,371	124,957	37,271	96,654	236,241	13,572
Insulated wire and cable	171	21,282	58,044	18,185	45,375	103,722	15,696
Engine electrical equipment	110	43,920	125,393	37,978	102,144	196,351	17,043
Electric lamps	62	23,842	57,914	21,550	48,891	120,344	9,622
Communication equipment	1,210	303,391	847,247	234,706	581,158	1,374,117	74,992
Radios and related products	857	178,595	462,207	142,478	324,300	778,233	45,484
Electronic tubes	51	27,703	65,420	22,571	46,704	94,040	11,256
Phonograph records	111	10,045	29,193	8,246	22,840	75,660	926
Telephone and telegraph equipment	90	76,072	258,567	53,630	167,488	384,417	14,433
Communication equipment, n. e. c.	101	10,976	31,860	7,781	19,826	46,767	2,893
Miscellaneous electrical products	527	43,201	116,623	35,882	89,727	246,942	21,826
Storage batteries	246	16,570	48,379	13,632	38,257	114,246	9,564
Primary batteries (dry and wet)	38	10,261	24,463	9,181	20,656	45,275	5,470
X-ray and therapeutic apparatus	116	7,678	23,217	5,621	15,354	38,635	1,920
Electrical products, n. e. c.	127	8,692	20,564	7,448	15,460	48,786	4,872

For footnotes, see p. 770.

No. 916.—MANUFACTURES—GENERAL STATISTICS, BY INDUSTRY: 1947 AND 1939—Continued

INDUSTRY	1947						Number of production workers (average for the year), 1939
	Number of establishments	All employees [1]		Production workers		Value added by manufacture ($1,000) [2]	
		Number (average for the year)	Salaries and wages, total ($1,000)	Number (average for the year)	Wages, total ($1,000)		
Transportation equipment	3,711	1,181,680	3,719,583	987,142	2,939,815	5,869,196	544,553
Motor vehicles and equipment	1,904	701,121	2,207,456	599,301	1,797,805	3,819,076	393,617
Motor vehicles and parts	963	653,169	2,067,473	558,693	1,687,085	3,577,404	388,126
Truck and bus bodies	603	26,646	78,386	22,876	62,664	127,429	
Truck trailers	119	12,020	34,833	9,400	25,256	65,257	3,960
Automobile trailers	219	9,286	26,764	8,332	22,200	48,986	1,531
Aircraft and parts	332	219,611	703,702	162,596	476,297	954,575	48,761
Aircraft	58	146,625	462,906	110,332	316,795	605,983	34,159
Aircraft engines	57	50,253	165,554	35,872	110,177	251,158	9,445
Aircraft propellers	13	7,423	25,666	4,822	15,230	26,685	5,157
Aircraft equipment, n. e. c.	204	15,310	49,576	11,570	34,095	70,749	
Ships and boats	1,110	149,655	467,585	132,033	394,371	586,558	69,241
Ship building and repairing	301	130,200	415,828	114,718	350,836	517,504	69,241
Boat building and repairing	809	19,455	51,757	17,315	43,535	69,054	
Railroad equipment	122	91,116	283,552	75,691	224,867	415,607	24,709
Locomotives and parts	36	30,337	97,608	25,368	78,131	142,477	6,998
Railroad and street cars	86	60,779	185,944	50,323	146,736	273,130	17,711
Motorcycles and bicycles	76	15,615	45,661	13,659	37,732	72,838	6,973
Transportation equipment, n. e. c.	167	4,562	11,627	3,862	8,743	20,542	1,252
Instruments and related products	2,599	231,997	665,347	181,939	467,785	1,080,336	84,867
Scientific instruments	216	20,384	61,719	15,023	41,831	83,010	6,529
Mechanical measuring instruments	463	53,237	155,589	40,937	109,196	245,144	15,075
Optical instruments and lenses	114	6,458	18,664	5,228	14,025	26,743	2,209
Medical instruments and supplies	980	38,369	107,837	29,617	71,281	184,665	14,624
Surgical and medical instruments	139	6,980	20,297	5,818	15,281	30,214	1,911
Surgical appliances and supplies	628	22,315	61,915	16,667	38,696	111,526	8,468
Dental equipment and supplies	213	9,074	25,625	7,132	17,304	42,925	4,245
Ophthalmic goods	184	22,457	56,811	19,744	46,224	81,530	10,252
Photographic equipment	366	50,911	154,416	36,273	101,765	264,784	16,434
Watches and clocks	276	40,181	110,311	35,117	83,463	194,460	19,744
Watches and clocks	194	34,623	93,331	30,237	70,372	169,474	17,335
Watchcases	82	5,558	16,980	4,880	13,091	24,986	2,409
Miscellaneous manufactures	14,131	464,420	1,205,508	397,579	920,508	2,090,168	241,725
Jewelry and silverware	2,031	54,827	167,433	45,880	126,947	302,859	27,604
Jewelry (precious metal)	1,344	25,566	76,462	20,610	54,222	140,478	11,358
Jewelers' findings	182	6,056	17,350	5,203	12,389	29,714	2,813
Lapidary work	270	1,099	5,524	1,525	4,532	10,860	267
Silverware and plated ware	235	21,506	68,097	18,542	55,804	121,807	13,166
Musical instruments and parts	260	16,889	46,808	14,814	38,198	71,356	10,806
Pianos	27	6,978	20,573	6,170	16,948	31,097	5,311
Organs	64	4,546	11,764	4,059	9,832	18,137	2,304
Piano and organ parts							
Musical instruments, n. e. c.	169	5,365	14,471	4,585	11,418	22,122	3,191
Toys and sporting goods	2,198	75,493	173,833	67,228	138,350	294,727	36,803
Games and toys, n. e. c.	837	27,140	60,554	24,174	47,403	105,414	13,778
Dolls	377	9,797	21,847	8,886	17,739	37,577	4,890
Children's vehicles	120	8,783	24,735	7,773	19,423	44,204	4,319
Sporting and athletic goods	864	29,773	66,697	26,395	53,785	107,532	13,816
Office supplies	787	31,557	82,074	24,734	55,553	163,160	12,591
Pens and mechanical pencils	184	15,553	40,606	12,527	28,207	89,897	4,463
Lead pencils and crayons	50	6,279	14,726	5,190	10,409	23,633	3,779
Hand stamps and stencils	426	4,684	12,900	3,462	8,729	20,047	2,211
Artists' materials	60	1,360	3,220	997	1,944	5,968	397
Carbon paper and inked ribbons	67	3,681	10,622	2,558	6,264	23,615	1,741
Costume jewelry and notions	2,034	65,878	153,561	57,593	118,562	262,685	40,989
Costume jewelry	859	25,371	59,487	22,266	45,979	107,224	12,228
Artificial flowers	445	7,130	13,448	6,569	10,713	23,813	6,650
Buttons	453	10,418	21,835	9,417	17,542	34,356	10,972
Needles, pins, and fasteners	277	22,959	58,791	19,341	44,328	97,292	11,139
Plastics products, n. e. c.	1,360	60,092	159,024	51,512	123,583	289,594	15,094

For footnotes, see p. 770.

No. 916.—Manufactures—General Statistics, by Industry: 1947 and 1939—Continued

Industry	1947						Number of production workers (average for the year), 1939
	Number of establishments	All employees [1]		Production workers		Value added by manufacture ($1,000) [2]	
		Number (average for the year)	Salaries and wages, total ($1,000)	Number (average for the year)	Wages, total ($1,000)		
Miscellaneous manufactures—Continued							
Miscellaneous manufactures	5,461	159,084	422,775	135,818	319,315	705,787	97,838
Brooms and brushes	706	18,551	44,875	15,543	31,162	87,288	11,678
Cork products	36	2,485	6,802	2,150	5,427	11,657	2,923
Matches	29	7,350	16,422	6,612	13,406	31,302	5,426
Candles	54	2,405	5,596	1,933	3,704	8,911	840
Fireworks and pyrotechnics	73	3,251	6,694	2,982	5,706	8,626	1,158
Jewelry and instrument cases	165	7,383	16,446	6,681	13,280	26,460	4,099
Lamp shades	291	4,488	8,473	4,100	7,043	14,668	2,671
Morticians' goods	568	22,375	60,002	18,242	42,388	92,395	12,447
Beauty and barber shop equipment	70	4,065	11,884	3,185	7,698	17,840	1,779
Furs, dressed and dyed	175	6,848	25,540	6,147	21,673	42,954	4,956
Signs and advertising displays	1,983	28,879	82,045	24,328	62,026	130,454	17,206
Hair work	87	1,170	2,436	1,046	2,040	4,380	322
Umbrellas, parasols, and canes	164	3,585	8,360	3,267	6,490	15,421	2,862
Tobacco pipes	76	3,140	8,810	2,745	6,302	13,738	2,481
Soda-fountain and bar equipment	67	2,739	8,488	2,231	6,524	16,254	1,590
Models and patterns (except paper)	209	1,868	5,144	1,691	4,325	8,573	1,206
Small arms	34	10,453	30,545	9,249	25,876	42,314	5,001
Small arms ammunition	8	8,050	22,091	6,748	17,297	40,840	4,264
Miscellaneous products, n. e. c.	666	20,599	52,122	16,938	36,948	91,712	14,929

[1] Includes all full-time and part-time production and related workers, force-account construction workers, clerical and routine office workers, administrative, supervisory, sales, technical, and all other personnel on the pay rolls of manufacturing establishments. Excludes employees of central administrative offices operated by concerns having 2 or more manufacturing establishments. Wages and salaries represent the gross earnings of employees including commissions, dismissal pay, nonproduction bonuses, vacation and sick leave pay, and compensation in kind, and prior to such deductions as employees' social security contributions, withholding taxes, group insurance, union dues, and savings bonds.

[2] Value of products less cost of materials, supplies, fuel, electricity, and contract work.

[3] There were no establishments classified in this industry in 1939.

Source: Department of Commerce, Bureau of the Census; 1947 Census of Manufactures reports.

No. 917.—Manufactures—Value of Products Shipped and Cost of Materials, by Industry: 1947

[**In thousands of dollars.** This table supplements table 916. Cost of materials and value of products were not compiled for industry groups because of the duplication which arises in the combination of individual industries representing successive stages in the production of finished manufactures. For this reason figures are given in this table only for those individual industries in which little or no duplication arises. Value added by manufacture figures shown in table 916 were usually calculated by subtracting cost of materials, etc., from value of products shipped. For a limited number of industries, however, information was requested on quantity of production, as well as on quantity and value of shipments of product items. For most of these industries, value added for the larger establishments (50 or more employees) was calculated by multiplying the quantity of each item produced by a unit value derived from the shipments data, adding these values to obtain a total value of production, and subtracting therefrom the cost of materials. Consequently, for such industries, value added by manufacture in table 916 does not equal the value of products shipped, less cost of materials, etc., as given in this table]

INDUSTRY	Value of products shipped	Cost of materials, fuel, electricity, and contract work
Meat products:		
Meat packing, wholesale	(1)	(1)
Prepared meats	(1)	(1)
Poultry dressing, wholesale	481,929	413,769
Dairy products:		
Creamery butter	844,713	737,465
Natural cheese	457,935	394,678
Concentrated milk	737,607	588,836
Ice cream and ices	611,755	383,706
Special dairy products	291,451	243,608
Canning, preserving, and freezing:		
Canned sea food	226,519	129,712
Cured fish	31,077	21,129
Canning and preserving, except fish	1,640,754	1,030,815
Dehydrated fruits and veg	51,079	32,924
Pickles and sauces	364,919	242,524
Frozen foods	155,076	95,699
Grain-mill products:		
Flour and meal	2,511,543	2,101,075
Prepared animal feeds	2,130,263	1,736,027
Cereal preparations	284,666	154,478
Rice cleaning and polishing	224,741	181,309
Blended and prepared flour	75,523	52,155
Bakery products:		
Bread and other bakery products	2,416,891	1,316,055
Biscuits, crackers, and pretzels	540,222	275,249
Sugar:		
Raw cane sugar	60,135	41,595
Cane-sugar refining	818,430	728,744
Beet sugar	262,872	187,485
Confectionery and related products:		
Confectionery products	944,925	531,073
Chocolate and cocoa products	349,907	251,631
Chewing gum	148,286	73,349
Beverages:		
Bottled soft drinks	748,196	327,485
Malt liquors	1,317,854	508,908
Malt	256,230	202,995
Wines and brandy	(1)	(1)
Distilled liquors, except brandy	870,235	397,878
Miscellaneous food preparations:		
Leavening compounds	72,295	25,801
Shortening and cooking oils	884,713	737,405
Oleomargarine	214,598	169,749
Corn products	459,978	332,835
Flavorings	313,573	155,240
Vinegar and cider	8,579	5,076
Manufactured ice	273,415	46,831
Macaroni and spaghetti	112,094	70,045
Liquid, frozen, and dried eggs	253,413	221,204
Food preparations, n. e. c.	1,312,466	961,595
Tobacco manufactures:		
Cigarettes	1,131,891	763,474
Cigars	311,401	168,256
Chewing and smoking tobacco	140,142	82,571
Tobacco stemming and redrying	957,807	885,584
Woolen and worsted manufactures:		
Scouring and combing plants	203,255	149,089
Yarn mills, wool, except carpet	336,956	209,148
Woolen and worsted fabrics	1,355,209	755,675
Finishing wool textiles	28,889	6,805
Yarn and thread mills, except wool:		
Yarn throwing mills	64,173	18,203
Thread mills	154,269	86,897
Yarn mills, cotton system	769,403	442,564
Yarn mills, silk system	12,494	5,565
Cotton and rayon broad-woven fabrics:		
Cotton broad-woven fabrics	3,294,623	1,732,287
Rayon and related broad-woven fabrics	1,002,923	514,875
Narrow fabric mills	210,908	102,250
Knitting mills:		
Full-fashioned hosiery mills	531,519	212,150
Seamless-hosiery mills	326,760	162,955
Knit outerwear mills	330,893	185,150
Knit underwear mills	295,411	163,421
Knit glove mills	26,495	11,879
Knit-fabric mills	199,649	128,264
Knitting mills, n. e. c.	10,587	6,309
Finishing textiles, except wool	531,400	172,130
Carpets and rugs:		
Wool carpets, rugs, and carpet yarn	(1)	(1)
Carpets and rugs, n. e. c.	55,559	24,573
Hard-surface floor coverings	174,736	93,535
Hats, except cloth and millinery:		
Fur-felt hats and hat bodies	131,123	69,649
Wool-felt hats and hat bodies	26,368	12,430
Straw hats	18,250	9,640
Hatters' fur	23,823	15,805
Miscellaneous textile goods:		
Felt goods, n. e. c.	59,764	34,883
Lace goods	68,663	26,099
Paddings and upholstery filling	109,555	65,111
Processed textile waste	57,255	34,643
Coated fabrics, except rubberized	157,114	105,905
Jute (except felt) and linen goods	48,853	28,275
Cordage and twine	167,648	103,153
Textile goods, n. e. c.	19,374	6,340
Men's and boys' suits and coats:		
Men's and boys' suits and coats	1,411,575	753,217
Suit and coat findings	38,407	22,522
Men's and boys' furnishings:		
Men's dress shirts and nightwear	731,568	438,854
Men's and boys' underwear	49,753	29,405
Men's and boys' neckwear	113,688	62,980
Men's and boys' cloth hats and caps	37,535	16,850
Hat and cap materials	12,329	6,709

For footnotes, see p. 775.

No. 917.—Manufactures—Value of Products Shipped and Cost of Materials, by Industry: 1947—Continued

[In thousands of dollars]

INDUSTRY	Value of products shipped	Cost of materials, fuel, electricity and contract work
Men's and boys' furnishings—Continued		
Separate trousers	343,184	179,453
Work shirts	95,378	62,166
Men's and boys' clothing, n. e. c.	551,037	334,144
Women's and misses' outerwear:		
Blouses and waists	276,284	152,644
Dresses, unit price	1,353,068	743,492
Dresses, dozen price	350,454	197,402
Women's suits and coats	1,003,755	565,610
Women's skirts	85,911	47,427
Women's neckwear and scarfs	51,061	34,211
Women's outerwear, n. e. c.	100,570	52,426
Women's and children's undergarments:		
Women's and children's underwear	573,484	346,544
Corsets and allied garments	284,098	123,360
Millinery	177,495	76,772
Children's outerwear:		
Children's dresses	174,863	98,394
Children's coats	135,210	76,845
Children's outerwear, n. e. c.	92,745	49,314
Fur goods	357,013	234,466
Miscellaneous apparel and accessories:		
Fabric and combination dress gloves	28,388	15,805
Fabric and combination work gloves	74,605	41,778
Suspenders and garters	14,563	7,789
Robes and dressing gowns	103,024	60,461
Waterproof outer garments	77,020	45,045
Leather and sheep-lined clothing	40,904	22,106
Belts	68,982	30,945
Handkerchiefs	53,106	32,417
Apparel, n. e. c.	13,286	5,364
Miscellaneous fabricated textiles:		
Curtains and draperies	109,640	74,731
Housefurnishings, n. e. c.	504,065	347,645
Textile bags	356,245	289,925
Canvas products	90,844	49,420
Tucking, pleating, and hemstitching	25,237	3,898
Trimmings and art goods	129,982	64,890
Schiffli-machine embroideries	55,514	23,781
Embroideries, except schiffli-machine	44,392	9,871
Fabricated textile products, n. e. c.	193,466	112,698
Lumber and timber basic products:		
Sawmills and planing mills, general [2]	2,526,927	1,034,995
Veneer mills	67,423	30,505
Cooperage stock mills	55,132	27,941
Excelsior mills	7,508	3,013
Millwork and related products:		
Millwork plants	526,494	270,095
Plywood plants	264,453	118,366
Prefabricated wood products	106,880	66,620
Wooden containers:		
Fruit and vegetable baskets	30,584	11,254
Rattan and willow ware, n. e. c.	7,243	3,670
Cigar boxes	8,102	3,447
Wooden boxes (except cigar boxes)	365,290	190,745
Cooperage	106,379	75,029
Miscellaneous wood products:		
Wood preserving	303,957	211,916
Lasts and related products	13,129	4,192
Mirror and picture frames	25,555	10,049
Wood products, n. e. c.	276,875	132,842
Household furniture:		
Wood house furniture, except upholstered	905,326	412,588
Household furniture, upholstered	381,053	188,623
Reed and rattan furniture	6,393	2,696
Metal house furniture, except upholstered	190,215	95,704
Mattresses and bedsprings	331,079	185,029
Household furniture, n. e. c.	7,637	3,596
Office furniture:		
Wood office furniture	48,518	21,679
Metal office furniture	128,394	47,522
Public and professional furniture:		
Public building furniture	65,376	27,744
Professional furniture	44,601	17,135
Partitions and fixtures	244,418	107,575
Screens, shades, and blinds:		
Window and door screens	91,126	46,710
Window shades	81,472	46,628
Venetian blinds	83,753	46,617
Miscellaneous furniture and fixtures:		
Restaurant furniture	26,233	11,032
Furniture and fixtures, n. e. c.	5,382	2,190
Pulp, paper, and paperboard:		
Pulp mills	939,604	523,666
Paper and board mills	2,812,048	1,761,940
Paper coating and glazing	352,337	225,497
Envelopes	128,346	60,093
Paper bags	320,458	201,193
Paperboard containers and boxes:		
Paperboard boxes	1,475,438	842,169
Fiber cans, tubes, drums, etc.	74,812	37,954
Pulp goods and miscellaneous paper products:		
Die-cut paper and board	89,196	42,241
Wallpaper	58,895	26,163
Pulp goods, pressed and molded	16,191	6,519
Converted paper products, n. e. c.	784,160	449,092
Newspapers	1,917,302	518,578
Periodicals	1,085,616	420,984
Books: publishing and printing	463,851	200,948
Book printing	86,723	29,004
Miscellaneous publishing	103,343	31,192
Commercial printing	1,521,655	543,969
Lithographing	487,634	174,172
Greeting cards	123,856	42,805
Bookbinding and related industries:		
Bookbinding	115,963	25,704
Blankbook making and paper ruling	60,324	23,702
Loose-leaf binders and devices	58,001	21,204
Misc. bookbinding work	17,185	3,719
Printing trades service industries:		
Typesetting	75,703	8,861
Engraving and plate printing	45,311	12,217
Photoengraving	133,540	17,409
Electrotyping and stereotyping	58,984	11,047

For footnotes, see p. 775.

No. 917.—Manufactures—Value of Products Shipped and Cost of Materials, by Industry: 1947—Continued

[In thousands of dollars]

INDUSTRY	Value of products shipped	Cost of materials, fuel, electricity, and contract work
Industrial inorganic chemicals:		
Alkalines and chlorine	208, 560	94, 692
Inorganic chemicals, n. e. c.	672, 645	331, 814
Industrial organic chemicals:		
Cyclic (coal-tar) crudes	60, 639	43, 568
Plastics materials	483, 461	288, 120
Synthetic rubber	235, 200	137, 844
Synthetic fibers	705, 271	262, 615
Explosives	136, 356	61, 650
Organic chemicals, n. e. c.	1, 445, 210	731, 180
Drugs and medicines:		
Biological products	38, 752	18, 811
Botanical products	16, 395	7, 386
Medicinal chemicals	201, 761	91, 245
Pharmaceutical preparations	941, 713	332, 609
Soap and related products:		
Soap and glycerin	1, 085, 789	640, 424
Cleaning and polishing preparations	261, 565	126, 854
Sulfonated oils and assistants	51, 506	31, 268
Paints and allied products:		
Paints and varnishes	1, 248, 841	779, 257
Inorganic color pigments	269, 970	175, 312
Whiting and fillers	18, 791	9, 796
Gum and wood chemicals:		
Hardwood distillation	13, 725	6, 235
Softwood distillation	72, 999	26, 935
Gum naval stores (steam distilled)	38, 508	36, 397
Natural tanning and dyeing materials	18, 344	11, 567
Fertilizers:		
Fertilizers	311, 657	197, 049
Fertilizers (mixing only)	192, 848	136, 271
Vegetable and animal oils:		
Cottonseed-oil mills	518, 091	413, 488
Linseed-oil mills	192, 173	149, 930
Soybean-oil mills	585, 709	480, 418
Vegetable-oil mills, n. e. c.	334, 231	256, 722
Marine animal oils	31, 265	16, 232
Grease and tallow	304, 535	187, 521
Fatty acids	68, 094	50, 943
Animal oils, n. e. c.	11, 675	9, 859
Miscellaneous chemical products:		
Printing ink	115, 708	63, 759
Essential oils	35, 739	21, 262
Toilet preparations	371, 892	145, 020
Glue and gelatin	99, 262	54, 327
Carbon black	73, 592	28, 345
Compressed and liquefied gases	93, 489	26, 656
Insecticides and fungicides	73, 068	42, 947
Salt	46, 056	20, 859
Chemical products, n. e. c.	393, 242	199, 806
Petroleum refining	6, 623, 708	5, 129, 234
Coke and byproducts:		
Beehive coke ovens	70, 237	48, 576
Byproduct coke ovens	970, 634	714, 065
Paving and roofing materials:		
Paving mixtures and blocks	50, 187	27, 384
Roofing felts and coatings	338, 477	205, 625
Miscellaneous petroleum and coal products:		
Fuel briquets and packaged fuel	32, 862	23, 769
Lubricants, n. e. c.	175, 001	105, 566
Petroleum and coal products, n. e. c.	15, 161	6, 741
Rubber products:		
Tires and inner tubes	1, 547, 040	944, 215
Rubber footwear	198, 691	80, 607
Reclaimed rubber	17, 263	8, 049
Rubber industries, n. e. c.	953, 453	441, 234
Leather and leather products:		
Leather tanning and finishing	1, 070, 085	666, 302
Industrial leather belting	57, 403	29, 028
Footwear cut stock	294, 309	206, 560
Footwear, except rubber	1, 716, 980	970, 985
House slippers	77, 017	37, 469
Leather dress gloves	47, 308	22, 521
Leather work gloves	15, 530	7, 937
Luggage	134, 173	66, 095
Handbags and purses	161, 919	85, 333
Small leather goods	37, 649	18, 159
Saddlery, harness, and whips	20, 459	11, 022
Leather goods, n. e. c.	41, 017	18, 718
Flat glass	242, 805	68, 818
Pressed and blown glassware:		
Glass containers	422, 614	191, 961
Pressed and blown glassware, n. e. c.	234, 795	69, 863
Products of purchased glass	199, 828	81, 300
Cement, hydraulic	408, 928	160, 992
Structural clay products:		
Brick and hollow tile	144, 497	37, 640
Floor and wall tile	40, 966	10, 684
Sewer pipe	47, 854	11, 702
Clay refractories	109, 369	35, 296
Structural clay prod., n. e. c.	28, 814	6, 757
Pottery and related products:		
Vitreous plumbing fixtures	68, 093	22, 416
Vitreous-china food utensils	43, 196	7, 968
Earthenware food utensils	72, 054	17, 217
Porcelain electrical supplies	71, 484	18, 652
China decorating for the trade	8, 377	3, 234
Pottery products, n. e. c.	30, 927	8, 852
Concrete and plaster products:		
Concrete products	329, 734	126, 945
Gypsum products	127, 543	59, 664
Lime	72, 842	33, 589
Mineral wool	73, 131	36, 291
Cut-stone and stone products	67, 253	21, 313
Miscellaneous nonmetallic mineral products:		
Abrasive products	223, 386	97, 391
Asbestos products	204, 686	97, 660
Gaskets and asbestos insulations	118, 244	52, 919
Graphite: ground or blended	8, 996	4, 051
Minerals: ground or treated	81, 502	30, 444
Sand-lime products	1, 730	544
Nonclay refractories	90, 337	35, 774
Statuary and art goods	9, 998	2, 607
Nonmetallic mineral products, n. e. c.	40, 616	20, 471
Blast furnaces and steel mills:		
Blast furnaces	1, 713, 945	1, 385, 885
Steel works and rolling mills	(1)	(1)
Electrometallurgical products	150, 904	95, 411
Iron and steel foundries:		
Gray-iron foundries	1, 172, 671	440, 024
Malleable-iron foundries	184, 400	62, 739
Steel foundries	413, 094	145, 880

For footnotes, see p. 775.

No. 917.—Manufactures—Value of Products Shipped and Cost of Materials, by Industry: 1947—Continued

[In thousands of dollars]

INDUSTRY	Value of products shipped	Cost of materials, fuel, electricity and contract work
Primary nonferrous metals:		
Primary copper	(1)	(1)
Primary lead	(1)	(1)
Primary zinc	190,996	113,928
Primary aluminum	161,010	95,748
Primary nonferrous metals, n. e. c.	22,182	9,429
Secondary nonferrous metals	724,027	604,360
Nonferrous metal rolling and drawing:		
Copper rolling and drawing	1,063,658	761,066
Aluminum rolling and drawing	404,766	254,069
Nonferrous metal rolling, n. e. c.	193,090	143,016
Nonferrous foundries	562,137	266,303
Miscellaneous primary metal industries:		
Iron and steel forgings	370,097	172,986
Wire drawing	912,095	597,307
Welded and heavy-riveted pipe	218,875	129,261
Primary metal industries, n. e. c.	339,663	201,021
Tin cans and other tinware	679,860	447,907
Cutlery, hand tools, and hardware:		
Cutlery	142,571	37,738
Edge tools	62,438	21,966
Hand tools, n. e. c.	272,543	98,003
Files	24,493	5,344
Hand saws and saw blades	70,430	27,455
Hardware, n. e. c.	578,269	231,812
Heating and plumbing equipment:		
Metal plumbing fixtures	291,907	135,963
Oil burners	106,781	62,393
Heating and cooking apparatus, n. e. c.	1,134,085	544,893
Structural metal products:		
Structural and ornamental products	864,435	423,734
Metal doors, sash, and trim	206,088	88,446
Boiler shop products	704,547	345,783
Sheet-metal work	424,305	197,859
Metal stamping and coating:		
Vitreous-enameled products	74,382	29,266
Metal stampings	1,164,299	521,816
Enameling and lacquering	23,868	7,230
Galvanizing	27,111	11,815
Engraving on metal	20,543	4,291
Plating and polishing	176,492	51,104
Lighting fixtures	474,759	227,140
Fabricated wire products:		
Nails and spikes	30,038	14,317
Wirework, n. e. c.	464,625	198,199
Miscellaneous fabricated metal products:		
Metal barrels, drums, and pails	173,060	108,941
Safes and vaults	29,216	9,782
Steel springs	92,046	46,770
Bolts, nuts, washers, and rivets	463,752	178,301
Screw-machine products	220,542	76,689
Collapsible tubes	26,997	10,055
Metal foil	54,638	33,199
Fabricated metal products, n. e. c.	73,205	33,238
Steam engines and turbines	129,921	48,974
Internal-combustion engines	683,537	356,385
Tractors	890,841	558,779
Farm machinery, exc. tractors	888,638	466,938
Construction and mining machinery	926,712	456,580
Oil-field machinery and tools	288,853	117,588
Metalworking machinery:		
Machine tools	501,882	153,917
Metalworking machinery, n. e. c.	520,182	217,340
Cutting tools, jigs, fixtures, etc.	623,827	143,452
Special-industry machinery, n. e. c.:		
Food-products machinery	326,416	135,202
Textile machinery	403,385	146,949
Woodworking machinery	145,326	58,966
Paper-industries machinery	151,085	69,727
Printing-trades machinery	198,763	67,138
Special-industry machinery, n. e. c.	550,999	202,434
General industrial machinery:		
Pumps and compressors	552,507	270,031
Elevators and escalators	101,815	33,201
Conveyors	248,407	104,892
Blowers and fans	140,716	56,287
Industrial trucks and tractors	162,603	80,814
Power-transmission equipment	431,751	148,104
Industrial furnaces and ovens	75,354	36,364
Mechanical stokers	38,834	16,622
General industrial machinery, n. e. c.	315,352	131,795
Office and store machines:		
Computing and related machines	293,469	62,262
Typewriters	153,924	32,539
Scales and balances	54,542	19,776
Office and store machines, n. e. c.	175,800	59,304
Service and household machines:		
Domestic laundry equipment	442,297	280,539
Laundry and dry-cleaning machines	94,361	40,626
Sewing machines	97,911	28,880
Vacuum cleaners	160,184	74,994
Refrigeration machinery	(1)	(1)
Measuring and dispensing pumps	125,052	60,430
Service and household machines, n. e. c.	130,894	65,791
Miscellaneous machinery parts:		
Valves and fittings, exc. plumbers'	637,463	243,603
Fabricated pipe and fittings	115,976	57,190
Ball and roller bearings	365,584	106,523
Machine shops	410,264	138,394
Electrical industrial apparatus:		
Wiring devices and supplies	378,099	164,503
Carbon and graphite products	68,745	28,527
Electrical measuring instruments	153,380	49,434
Motors and generators	1,007,186	437,680
Transformers	356,968	162,085
Electrical control apparatus	628,283	233,108
Electrical welding apparatus	103,712	46,402
Electrical industrial apparatus, n. e. c.	74,821	33,515
Electrical appliances	466,009	236,286
Insulated wire and cable	301,116	107,394
Engine electrical equipment	353,339	156,988
Electric lamps	203,248	82,904

For footnotes, see p. 775.

No. 917.—Manufactures—Value of Products Shipped and Cost of Materials, by Industry: 1947—Continued

[In thousands of dollars]

INDUSTRY	Value of products shipped	Cost of materials, fuel, electricity and contract work
Communication equipment:		
Radios and related products	(1)	(1)
Electronic tubes	124,518	35,539
Phonograph records	110,184	38,951
Telephone and telegraph equipment	689,182	304,765
Communication equipment, n. e. c.	69,502	22,825
Miscellaneous electrical products:		
Storage batteries	297,654	183,408
Primary batteries (dry and wet)	85,045	39,770
X-ray and therapeutic apparatus	59,518	20,473
Electrical products, n. e. c.	91,166	42,380
Motor vehicles and equipment:		
Motor vehicles and parts	(1)	(1)
Truck and bus bodies	242,297	114,868
Truck trailers	150,853	86,596
Automobile trailers	134,973	85,987
Aircraft and parts:		
Aircraft	(1)	(1)
Aircraft engines	463,403	212,245
Aircraft propellers	(1)	(1)
Aircraft equipment, n. e. c.	106,547	35,798
Ships and boats:		
Shipbuilding and repairing	798,944	281,440
Boat building and repairing	117,991	48,937
Railroad equipment:		
Locomotives and parts	354,706	212,229
Railroad and street cars	725,847	452,717
Motorcycles and bicycles	163,670	90,832
Transportation equipment, n. e. c.	46,790	26,248
Instruments and related products:		
Scientific instruments	126,703	43,693
Mechanical measuring instruments	376,473	131,329
Optical instruments and lenses	36,081	9,338
Surgical and medical instruments	45,121	14,907
Surgical appliances and supplies	251,396	139,870
Dental equipment and supplies	71,102	28,177
Ophthalmic goods	120,314	38,784
Photographic equipment	440,134	175,350
Watches and clocks	341,199	171,725
Instruments and related products—Continued		
Watchcases	44,494	19,508
Miscellaneous manufactures:		
Jewelry (precious metal)	248,185	107,707
Jewelers' findings	73,530	43,816
Lapidary work	30,269	19,409
Silverware and plated ware	219,131	97,324
Pianos	55,086	24,835
Organs	12,372	7,182
Piano and organ parts	19,865	6,918
Musical instruments, n. e. c.	31,366	9,244
Games and toys, n. e. c.	181,939	76,525
Dolls	69,786	32,209
Children's vehicles	85,831	41,627
Sporting and athletic goods	202,462	94,930
Pens and mechanical pencils	147,368	57,471
Lead pencils and crayons	45,037	21,404
Hand stamps and stencils	28,058	8,011
Artists' materials	13,298	7,330
Carbon paper and inked ribbons	48,636	25,021
Costume jewelry	170,294	63,070
Artificial flowers	39,463	15,650
Buttons	58,916	24,560
Needles, pins, and fasteners	147,221	49,929
Plastics products, n. e. c.	503,049	213,455
Brooms and brushes	179,811	92,523
Cork products	30,077	18,420
Matches	56,657	25,355
Candles	17,906	8,995
Fireworks and pyrotechnics	15,219	6,593
Jewelry and instrument cases	45,112	18,652
Lamp shades	27,499	12,831
Morticians' goods	188,829	96,434
Beauty and barber-shop equipment	32,144	14,304
Furs, dressed and dyed	52,701	9,747
Signs and advertising displays	206,356	75,902
Hair work	8,151	3,771
Umbrellas, parasols, and canes	34,348	18,927
Tobacco pipes	19,325	5,587
Soda-fountain and bar equipment	31,504	15,250
Models and patterns (except paper)	12,101	3,528
Small arms	57,067	13,596
Small-arms ammunition	77,660	36,820
Miscellaneous products, n. e. c.	182,943	91,231

[1] Data not compiled for these items because they contain a substantial amount of duplication arising because certain plants classified in this industry make products which are used as materials by other plants also classified in the industry.

[2] Includes data for shingle mills.

Source: Department of Commerce, Bureau of the Census; 1947 Census of Manufactures reports.

No. 918.—Manufactures—Selected Statistics for Geographic Divisions, by Major Industry Groups: 1947 and 1939

[**Value added figures in thousands of dollars.** Figures for 1939 adjusted for comparability with 1947. In cases where figures for a geographic division cannot be given separately without disclosing data for individual companies, they have been combined with the figures for one or more other geographic divisions. In such cases, a (d) appears in each column where a figure has been omitted and the combined figures appear, printed in italics, in the column of the last geographic division included in the combination (reading from left to right). As a result, whenever the figures for a geographic division appear in italics, or the symbol d has been substituted, the major industry groups will not add to the printed "All industries, total" for that geographic division]

Industry group	United States			New England		
	Value added by manufacture	Production workers (average for the year)		Value added by manufacture	Production workers (average for the year)	
	1947	1947	1939	1947	1947	1939
All industries, total	**74,425,825**	**11,916,188**	**7,808,205**	**6,813,800**	**1,248,325**	**947,412**
Food and kindred products	9,024,912	1,099,478	802,133	364,696	50,639	44,146
Tobacco manufactures	641,356	103,289	87,525	3,957	1,270	1,343
Textile mill products	5,340,870	1,147,194	1,081,710	1,245,559	260,695	260,557
Apparel and related products	4,443,373	972,897	752,829	279,981	66,909	61,078
Lumber and products, (except furniture)	2,497,192	596,118	422,947	115,905	31,300	20,899
Furniture and fixtures	1,377,908	282,780	189,382	74,619	15,609	12,072
Paper and allied products	2,874,958	388,901	270,239	397,013	60,020	46,062
Printing and publishing industries	4,269,416	438,135	324,371	281,179	36,127	29,145
Chemicals and allied products	5,365,201	466,458	275,669	216,910	20,123	12,174
Petroleum and coal products	2,015,307	169,610	107,695	33,818	2,985	2,734
Rubber products	1,302,863	214,533	120,740	222,783	37,502	26,661
Leather and leather products	1,582,803	348,529	327,189	453,639	98,770	106,992
Stone, clay, and glass products	2,306,480	405,755	267,094	108,475	17,508	11,399
Primary metal industries	5,765,434	1,010,055	672,438	288,198	52,924	37,764
Fabricated metal products	4,921,476	822,514	451,087	506,176	91,868	57,477
Machinery (except electrical)	7,812,455	1,244,135	536,082	933,120	164,096	82,766
Electrical machinery	3,894,115	639,147	247,930	451,266	77,337	35,486
Transportation equipment	5,869,196	987,142	544,553	206,974	38,997	21,545
Instruments and related products	1,080,336	181,939	84,867	165,832	31,335	19,123
Miscellaneous manufactures	2,096,168	397,579	241,725	463,700	92,311	57,989

Industry group	Middle Atlantic			East North Central		
	Value added by manufacture	Production workers (average for the year)		Value added by manufacture	Production workers (average for the year)	
	1947	1947	1939	1947	1947	1939
All industries, total	**20,790,626**	**3,245,879**	**2,234,295**	**23,473,563**	**3,565,172**	**2,180,600**
Food and kindred products	1,918,175	214,717	171,502	2,382,765	269,334	206,418
Tobacco manufactures	103,666	25,180	29,102	(d)	(d)	(d)
Textile mill products	1,376,820	264,744	274,062	206,617	40,585	44,680
Apparel and related products	2,695,194	531,551	408,970	505,872	111,348	106,396
Lumber and products (except furniture)	142,924	33,886	22,041	260,060	57,371	45,597
Furniture and fixtures	298,219	55,643	37,169	510,622	97,312	67,078
Paper and allied products	733,808	104,757	74,415	776,060	106,049	78,281
Printing and publishing industries	1,576,511	138,372	104,998	1,169,861	128,160	96,964
Chemicals and allied products	1,655,359	141,507	89,583	1,356,796	102,867	54,744
Petroleum and coal products	515,591	43,054	28,543	431,152	39,607	26,098
Rubber products	210,499	33,855	21,240	588,746	102,937	58,360
Leather and leather products	469,152	100,971	91,807	318,894	67,937	67,490
Stone, clay, and glass products	691,541	122,245	81,584	688,262	115,869	82,277
Primary metal industries	1,804,246	330,947	243,910	2,416,939	418,142	264,679
Fabricated metal products	1,205,294	207,371	117,383	2,159,830	344,637	185,920
Machinery (except electrical)	1,678,754	270,525	115,748	4,013,422	616,615	266,807
Electrical machinery	1,362,157	220,932	93,435	1,634,719	268,529	99,146
Transportation equipment	944,560	163,300	89,644	3,283,208	537,195	349,403
Instruments and related products	589,537	91,905	44,797	(d)	(d)	(d)
Miscellaneous manufactures	818,520	150,417	94,362	499,884	93,779	57,846

d Disclosure; see headnote.

No. 918.—Manufactures—Selected Statistics for Geographic Divisions, by Major Industry Groups: 1947 and 1939—Continued

[Value added figures in thousands of dollars]

INDUSTRY GROUP	WEST NORTH CENTRAL			SOUTH ATLANTIC		
	Value added by manufacture	Production workers (average for the year)		Value added by manufacture	Production workers (average for the year)	
	1947	1947	1939	1947	1947	1939
All industries, total	4,119,409	635,940	376,156	6,942,054	1,344,444	977,596
Food and kindred products	1,204,053	161,701	110,102	696,422	105,465	69,313
Tobacco manufactures	*38,071*	*7,199*	*9,591*	(d)	(d)	(d)
Textile mill products	28,279	7,494	6,504	2,021,825	461,326	395,449
Apparel and related products	187,519	48,267	36,020	327,314	92,480	65,165
Lumber and products (except furniture)	77,023	18,403	14,856	383,376	133,453	90,681
Furniture and fixtures	58,025	12,656	7,414	206,806	51,282	35,008
Paper and allied products	124,804	18,095	11,474	312,438	39,883	23,880
Printing and publishing industries	335,192	38,031	27,055	262,272	29,108	20,906
Chemicals and allied products	328,481	23,066	11,387	779,083	85,165	58,175
Petroleum and coal products	79,401	7,016	5,027	47,900	4,947	3,509
Rubber products	31,032	4,939	1,852	(d)	(d)	(d)
Leather and leather products	128,775	41,827	33,453	69,143	15,947	15,838
Stone, clay, and glass products	148,796	24,492	16,858	261,549	55,015	36,694
Primary metal industries	115,014	23,123	12,495	322,372	56,309	43,183
Fabricated metal products	232,093	37,100	19,630	207,287	38,529	22,519
Machinery (except electrical)	422,902	70,539	26,262	134,846	25,356	10,552
Electrical machinery	191,232	33,134	9,636	94,869	15,537	2,970
Transportation equipment	261,527	37,461	11,564	286,812	54,570	30,657
Instruments and related products	*260,326*	*45,759*	*17,296*	9,585	2,388	1,075
Miscellaneous manufactures	135,818	22,537	10,101	50,461	13,699	9,692

INDUSTRY GROUP	EAST SOUTH CENTRAL			WEST SOUTH CENTRAL		
	Value added by manufacture	Production workers (average for the year)		Value added by manufacture	Production workers (average for the year)	
	1947	1947	1939	1947	1947	1939
All industries, total	2,875,428	558,191	355,096	3,027,709	456,123	258,882
Food and kindred products	510,352	50,564	29,271	593,684	84,000	55,796
Tobacco manufactures	(d)	(d)	(d)	(d)	(d)	(d)
Textile mill products	368,078	92,239	81,901	43,528	11,702	11,256
Apparel and related products	132,696	47,865	31,602	98,203	28,837	16,202
Lumber and products (except furniture)	277,203	92,583	59,968	269,573	85,879	62,415
Furniture and fixtures	59,949	16,259	9,101	43,420	10,271	6,811
Paper and allied products	116,864	14,316	8,629	156,090	19,326	10,664
Printing and publishing industries	102,083	13,555	8,619	154,406	17,115	11,395
Chemicals and allied products	291,960	36,767	23,689	389,299	32,035	13,452
Petroleum and coal products	59,164	4,099	2,790	578,617	46,050	26,965
Rubber products	(d)	(d)	(d)	(d)	(d)	(d)
Leather and leather products	50,496	13,586	7,702	9,343	2,777	669
Stone, clay, and glass products	90,460	18,804	11,865	107,883	18,527	10,169
Primary metal industries	287,693	54,886	36,715	96,122	17,074	5,480
Fabricated metal products	144,419	29,326	17,071	105,190	17,445	7,430
Machinery (except electrical)	94,514	19,534	5,459	175,449	25,210	11,230
Electrical machinery	27,663	5,614	2,501	14,109	1,996	572
Transportation equipment	104,804	19,724	5,054	132,722	27,985	4,409
Instruments and related products	13,319	2,563	876	7,999	2,106	154
Miscellaneous manufactures	16,211	4,721	3,021	21,382	4,633	2,247

d Disclosure; see headnote.

No. 918.—Manufactures—Selected Statistics for Geographic Divisions, by Major Industry Groups: 1947 and 1939—Continued

[Value added figures in thousands of dollars]

Industry group	Mountain			Pacific		
	Value added by manufacture	Production workers (average for the year)		Value added by manufacture	Production workers (average for the year)	
	1947	1947	1939	1947	1947	1939
All industries, total	839,202	116,199	67,011	5,544,034	745,915	411,038
Food and kindred products	245,359	32,182	21,396	1,108,506	130,876	94,185
Tobacco manufactures	(d)	(d)	(d)	*495,662*	*69,640*	*47,492*
Textile mill products	1,004	581	486	48,557	7,828	6,822
Apparel and related products	9,824	2,903	1,543	206,770	42,737	25,831
Lumber and products (except furniture)	101,926	19,620	12,983	869,202	123,623	93,506
Furniture and fixtures	5,761	1,393	626	120,487	22,355	14,097
Paper and allied products	4,758	668	219	253,033	25,787	16,613
Printing and publishing industries	59,857	7,187	4,757	328,055	30,480	20,529
Chemicals and allied products	39,798	3,673	1,535	307,515	21,255	10,940
Petroleum and coal products	52,093	4,224	2,427	217,571	17,628	9,601
Rubber products	(d)	(d)	(d)	*249,803*	*35,300*	*12,624*
Leather and leather products	4,811	1,111	389	28,550	5,603	2,848
Stone, clay, and glass products	31,891	5,530	3,126	177,623	27,765	13,115
Primary metal industries	175,735	20,523	12,405	259,115	36,127	15,790
Fabricated metal products	22,460	3,561	1,291	338,727	52,677	22,356
Machinery (except electrical)	29,966	4,966	1,600	329,482	47,294	15,623
Electrical machinery	1,864	401	41	116,236	15,667	4,137
Transportation equipment	4,811	871	178	643,778	107,039	32,097
Instruments and related products	1,902	318	77	31,836	5,565	1,462
Miscellaneous manufactures	(d)	(d)	(d)	84,192	*15,482*	6,466

d Disclosure; see headnote.

Source: Department of Commerce, Bureau of the Census; 1947 Census of Manufactures reports.

No. 919.—Manufactures—General Statistics, by States: 1947 and 1939

[Money figures in thousands of dollars. See general note, p. 751]

Division and state	1947						1939 [3]	
	Number of establishments	All employees [1]		Production workers		Value added by manufacture [2]	Number of production workers (average for year)	Value added by manufacture [2]
		Number (average for year)	Salaries and wages, total	Number (average for year)	Wages, total			
United States	**240,881**	**14,294,304**	**39,689,527**	**11,916,188**	**30,242,343**	**74,425,825**	**7,808,205**	**24,487,304**
New England	**20,274**	**1,474,684**	**3,941,011**	**1,248,325**	**3,054,119**	**6,813,800**	**947,412**	**2,414,268**
Maine	1,635	100,181	233,994	90,378	199,204	432,123	74,040	150,588
New Hampshire	1,124	74,752	177,479	66,448	145,324	306,932	55,434	104,453
Vermont	830	34,872	83,021	30,239	66,400	149,685	20,498	49,741
Massachusetts	10,524	718,441	1,923,141	601,603	1,464,047	3,370,094	458,372	1,181,465
Rhode Island	2,214	146,850	374,582	128,130	297,599	658,420	106,089	237,698
Connecticut	3,947	399,588	1,148,794	331,527	881,545	1,896,546	232,979	690,323
Middle Atlantic	**75,363**	**3,953,738**	**11,412,746**	**3,245,879**	**8,513,460**	**20,790,626**	**2,234,295**	**7,308,780**
New York	47,819	1,775,975	5,279,086	1,424,705	3,815,374	9,666,588	949,362	3,313,649
New Jersey	10,755	738,229	2,214,159	601,748	1,644,207	4,177,080	431,562	1,518,269
Pennsylvania	16,789	1,439,534	3,918,901	1,219,426	3,053,879	6,946,958	853,371	2,476,862
East North Central	**50,570**	**4,317,892**	**13,007,601**	**3,565,172**	**9,935,496**	**23,473,563**	**2,180,600**	**7,744,406**
Ohio	12,303	1,194,603	3,560,075	988,446	2,727,481	6,359,006	595,520	2,116,434
Indiana	5,408	548,346	1,587,518	457,582	1,236,558	2,977,508	275,272	964,746
Illinois	15,988	1,184,820	3,585,093	954,415	2,627,318	6,680,137	590,995	2,187,240
Michigan	9,892	973,675	3,090,668	821,721	2,438,027	5,196,338	520,165	1,704,016
Wisconsin	6,979	416,448	1,184,247	343,008	906,112	2,260,674	198,648	681,970
West North Central	**17,403**	**785,064**	**2,063,739**	**635,940**	**1,508,105**	**4,119,409**	**376,156**	**1,348,167**
Minnesota	4,567	179,986	501,355	145,153	358,863	1,022,586	78,023	306,840
Iowa	2,905	140,425	372,339	112,490	275,454	671,100	64,773	243,390
Missouri	5,725	327,515	827,184	269,711	607,404	1,623,145	175,983	581,804
North Dakota	362	5,218	12,341	3,823	8,490	29,461	2,605	10,984
South Dakota	494	10,265	25,796	8,062	19,193	51,398	5,421	19,619
Nebraska	1,344	47,031	119,923	37,338	87,432	260,658	18,416	68,139
Kansas	1,946	74,624	204,801	59,363	151,269	461,061	30,935	117,391
South Atlantic	**24,001**	**1,523,495**	**3,370,875**	**1,344,444**	**2,709,342**	**6,942,054**	**977,596**	**2,216,976**
Delaware	482	34,465	92,183	29,014	70,007	182,088	19,825	54,085
Maryland	2,824	228,552	612,034	188,638	458,243	1,138,407	140,930	420,589
Dist. of Columbia	428	17,815	55,872	10,007	27,691	99,067	7,676	43,367
Virginia	3,644	216,637	483,994	190,035	384,441	1,051,629	132,089	376,259
West Virginia	1,602	127,353	337,869	108,984	268,469	663,903	74,411	213,284
North Carolina	5,322	381,480	758,895	350,207	641,966	1,646,673	260,238	544,181
South Carolina	2,137	188,601	376,964	175,724	330,465	794,312	126,408	169,294
Georgia	4,754	249,926	484,246	225,807	399,820	1,015,999	155,870	280,032
Florida	2,808	78,666	168,818	66,028	128,240	349,976	51,149	115,885
East South Central	**10,907**	**633,765**	**1,360,231**	**558,191**	**1,093,293**	**2,875,428**	**355,096**	**823,101**
Kentucky	2,244	129,504	304,668	110,602	235,989	740,772	62,481	186,485
Tennessee	3,346	221,454	473,211	192,367	369,920	957,539	131,024	318,378
Alabama	3,335	206,136	444,647	185,645	372,404	876,933	115,698	245,577
Mississippi	1,982	76,671	137,705	69,577	114,980	300,184	45,893	72,661
West South Central	**13,181**	**550,241**	**1,333,054**	**456,123**	**995,239**	**3,027,709**	**258,882**	**815,276**
Arkansas	1,924	65,321	124,167	58,254	101,869	265,144	35,672	66,444
Louisiana	2,389	132,464	309,871	111,553	229,673	694,074	70,453	198,527
Oklahoma	1,740	55,403	143,605	44,302	105,277	341,027	27,642	101,782
Texas	7,128	297,053	755,411	242,014	558,420	1,727,464	125,115	448,523
Mountain	**5,049**	**141,638**	**379,900**	**116,199**	**293,601**	**839,202**	**67,011**	**269,381**
Montana	652	16,092	43,481	13,606	35,350	92,258	8,802	38,828
Idaho	664	16,907	45,748	14,602	37,904	109,694	9,854	29,788
Wyoming	256	5,607	16,696	4,285	12,291	34,957	3,351	15,336
Colorado	1,602	54,071	144,207	44,153	109,734	286,774	23,388	90,330
New Mexico	432	7,590	18,222	6,349	14,173	55,486	3,219	8,640
Arizona	545	14,188	39,333	11,167	29,680	103,958	5,905	31,625
Utah	772	24,516	63,804	19,973	48,053	128,298	11,467	43,341
Nevada	126	2,667	8,409	2,064	6,416	27,777	1,025	11,493
Pacific	**24,133**	**913,787**	**2,820,370**	**745,915**	**2,139,688**	**5,544,034**	**411,038**	**1,546,957**
Washington	3,410	144,324	438,020	123,488	354,596	874,036	82,261	267,716
Oregon	3,075	105,591	317,827	92,144	265,837	675,017	57,487	156,696
California	17,648	663,872	2,064,523	530,283	1,519,255	3,994,981	271,290	1,122,545

[1] Includes all full-time and part-time production and related workers, force-account construction workers, clerical and routine office workers, administrative, supervisory, sales, technical, and all other personnel on pay rolls of manufacturing establishments. Excludes employees of central administrative offices operated by concerns having 2 or more manufacturing establishments. Wages and salaries represent gross earnings of employees including commissions, dismissal pay, nonproduction bonuses, vacation and sick leave pay, and compensation in kind, and prior to such deductions as employees' social security contributions, withholding taxes, group insurance, union dues, and savings bonds.

[2] Value of products less cost of materials, supplies, fuel, electricity, and contract work.

[3] Figures will not add to totals because of rounding.

Source: Department of Commerce, Bureau of the Census; 1947 Census of Manufactures reports.

No. 920.—Manufactures—General Statistics for Standard Metropolitan Areas: 1947 and 1939

[**Money figures in thousands of dollars.** Data cover standard metropolitan areas having 40,000 or more manufacturing employees in 1947. These areas replace industrial areas shown in earlier censuses. Industrial areas, as defined in previous years, were groups of contiguous counties having large numbers of manufacturing wage earners. Present standard metropolitan areas are integrated economic and social entities which contain not only highly industrialized counties, but also adjoining counties which, though primarily residential in character, contribute significantly to the industrial counties' labor force. The 53 areas presented in this table represent a part of a larger list of standard metropolitan areas recently established by the Federal Government for the use of all Government statistical collection agencies. Standard metropolitan areas are composed of whole counties in all parts of the U. S., with the exception of New England where they are composed of towns. For definition of each area, see 1947 Census of Manufactures preliminary report, series MC 100-3 or final report, Vol. III]

Area	1947 (preliminary)						1939	
	Number of establishments	All employees [1]		Production workers		Value added by manufacture [2]	Number of production workers (average for the year)	Value added by manufacture [2]
		Number (average for the year)	Salaries and wages, total	Number (average for the year)	Wages, total			
United States	240,881	14,294,304	39,689,527	11,916,188	30,242,343	74,425,825	7,808,205	24,487,304
Standard metropolitan areas, total	**135,205**	**8,513,438**	**25,510,924**	**6,926,142**	**18,955,595**	**46,312,425**	**4,490,085**	**15,785,979**
Akron	482	94,011	284,302	75,289	215,444	460,327	40,114	166,444
Albany-Schenectady-Troy	599	70,839	202,484	55,023	146,122	322,172	36,217	126,192
Allentown-Bethlehem-Easton	898	88,539	222,094	76,285	177,416	360,314	59,181	158,236
Atlanta	872	49,034	112,049	40,505	80,889	237,012	27,602	81,633
Baltimore	1,785	170,062	482,643	138,810	359,340	899,534	105,786	342,465
Birmingham	530	53,295	137,845	44,748	106,619	275,326	28,774	105,409
Boston	5,406	271,273	752,788	215,294	530,965	1,391,157	157,230	508,099
Bridgeport	585	70,127	203,592	56,014	151,927	342,780	34,348	104,596
Buffalo	1,694	183,876	557,384	149,758	425,314	1,023,231	90,244	391,785
Canton	385	55,564	158,649	47,600	128,551	280,241	28,854	107,807
Chicago	12,284	945,326	2,990,068	756,115	2,175,307	5,529,062	478,126	1,896,111
Cincinnati	1,700	135,774	382,935	108,476	274,717	777,201	72,401	268,017
Cleveland	3,258	268,750	866,849	218,929	645,539	1,546,117	129,358	504,992
Columbus (Ohio)	679	54,877	153,462	42,363	105,356	277,809	25,309	90,049
Dayton	638	95,347	308,299	79,433	240,266	496,380	40,200	164,963
Detroit	4,765	555,788	1,846,606	466,922	1,451,803	2,910,650	315,221	1,087,575
Erie	368	46,285	134,693	38,076	103,640	224,906	19,216	72,110
Fall River-New Bedford	588	62,572	142,422	57,379	122,624	244,346	48,127	72,061
Flint	214	55,159	171,859	47,887	141,033	324,507	33,072	133,499
Grand Rapids	694	49,241	147,276	41,961	114,990	255,255	23,882	71,736
Hartford	584	63,790	189,160	52,014	142,678	300,353	31,588	118,126
Houston	916	58,606	182,282	46,001	131,512	385,549	22,600	106,608
Indianapolis	944	92,649	279,361	73,168	198,676	484,860	38,705	138,033
Kansas City	1,345	78,645	218,827	61,698	156,340	469,504	38,085	147,655
Los Angeles	9,770	358,772	1,118,344	281,806	797,090	2,052,671	127,425	517,671
Louisville	743	73,791	196,864	60,827	146,607	488,956	35,009	128,466
Milwaukee	1,963	177,202	535,089	141,172	396,832	973,935	79,473	287,667
Minneapolis-St. Paul	2,117	118,824	346,278	93,966	239,110	714,565	48,710	203,011
New Britain-Bristol	299	45,708	132,524	38,507	105,823	205,103	23,564	65,681
New Haven	577	41,503	115,374	34,395	86,140	188,528	24,528	69,883
New Orleans	724	45,363	105,210	37,932	78,201	222,995	25,509	80,710
New York-Northeastern N. J.	48,304	1,604,184	4,932,996	1,274,357	3,495,956	9,322,683	867,953	3,126,135
Peoria	278	42,511	123,726	34,492	94,376	280,670	18,875	85,046
Philadelphia	7,399	532,492	1,530,946	437,553	1,140,317	2,803,106	320,627	1,037,292
Pittsburgh	2,228	337,974	1,023,913	284,017	807,132	1,707,918	191,278	640,908
Portland (Oregon)	1,297	51,643	153,747	42,675	119,893	315,073	25,017	79,875
Providence	2,363	152,845	392,583	132,506	309,014	689,048	95,411	218,331
Reading	617	53,423	136,503	46,756	111,376	230,902	40,537	83,782
Rochester	910	104,997	307,821	80,735	218,838	510,225	50,898	207,730
St. Louis	2,960	244,490	664,733	200,098	490,936	1,296,471	126,416	461,772
San Francisco-Oakland	3,672	163,641	526,747	131,161	393,346	1,049,490	76,044	361,966
Seattle	1,222	54,786	171,256	44,682	129,938	265,458	23,581	83,804
South Bend	259	44,139	144,419	37,158	117,504	234,908	20,819	71,555
Springfield-Holyoke	831	81,598	233,624	67,366	177,556	371,902	38,504	114,584
Syracuse	512	54,563	158,093	43,328	116,729	275,257	25,563	82,777
Toledo	627	69,599	221,562	56,730	167,461	390,032	30,542	111,138
Trenton	402	40,422	113,283	34,094	88,389	208,485	25,287	72,054
Utica-Rome	429	50,563	139,504	43,854	113,268	231,009	32,263	79,945
Waterbury	295	43,388	125,719	36,386	96,557	206,291	28,537	81,371
Wheeling-Steubenville	343	51,751	147,020	46,484	125,513	259,509	41,228	100,873
Worcester	702	53,251	153,583	43,525	114,474	241,917	32,033	99,796
York	597	41,932	100,709	35,569	76,540	189,358	27,114	66,435
Youngstown	552	108,654	330,825	94,263	273,621	567,307	63,010	200,320

[1] Includes all full-time and part-time production and related workers, force-account construction workers, clerical and routine office workers, administrative, supervisory, sales, technical, and all other personnel on the pay rolls of manufacturing establishments. Excludes employees of central administrative offices operated by concerns having 2 or more manufacturing establishments. Wages and salaries represent gross earnings of employees including commissions, dismissal pay, nonproduction bonuses, vacation and sick leave pay, and compensation in kind, and prior to such deductions as employees' social security contributions, withholding taxes, group insurance, union dues, and savings bonds.

[2] Value of products less cost of materials, supplies, fuel, electricity, and contract work.

Source: Department of Commerce, Bureau of the Census; 1947 Census of Manufactures reports.

No. 921.—Manufactures—Expenditures for Plant and Equipment, by Major Industry Groups: 1947 and 1939

[In thousands of dollars. Excludes data for certain small establishments which were not asked to report on capital expenditures. It is estimated that establishments covered by this table accounted for over 98 percent of capital expenditures made by all manufacturing establishments. Figures refer to all costs actually incurred during year chargeable to fixed assets accounts of manufacturing establishments and for which depreciation accounts are maintained. Excludes expenditures for following: Maintenance and repair, new manufacturing establishments under construction but not in operation during year, nonmanufacturing establishments owned by manufacturing concerns, and expenditures made by owners of plant and equipment leased to manufacturers]

Major industry group	1947									1939		
	Total expenditures	Expenditures for new plant and equipment							Expenditures for used plant and equipment and land	Expenditures for new plant and equipment		
		Total	New construction			New machinery and equipment				Total	New construction	New machinery and equipment
			Total	Building	Other	Total	Production machinery and equipment	Other machinery and equipment				
All industries, total	**6,627,029**	**6,003,873**	**2,122,143**	**1,501,430**	**620,713**	**3,881,730**	**3,360,408**	**521,322**	**623,156**	**1,248,078**	**391,285**	**856,793**
Food and kindred products	888,563	820,847	276,803	250,095	26,708	544,044	395,810	148,234	67,716	194,587	60,750	133,837
Tobacco manufactures	36,403	35,645	12,919	12,076	843	22,726	21,336	1,390	758	7,216	2,083	5,133
Textile mill products	386,270	367,510	104,706	93,395	11,311	262,804	246,055	16,749	18,760	84,633	16,719	67,914
Apparel and related products	91,585	83,945	22,114	19,574	2,540	61,831	50,159	11,672	7,640	14,592	3,534	11,058
Lumber and products, exc. furniture	203,444	171,574	56,048	38,381	17,667	115,526	83,386	32,140	31,870	29,905	11,853	18,052
Furniture and fixtures	82,146	77,441	26,247	22,846	3,401	51,194	45,218	5,976	4,705	10,897	3,539	7,358
Paper and allied products	424,141	406,779	117,231	99,354	17,877	289,548	270,151	19,397	17,362	65,597	17,743	47,854
Printing and publishing industries	242,525	226,368	82,143	77,341	4,802	144,225	123,905	20,320	16,157	42,713	8,583	34,130
Chemicals and allied products	893,041	810,732	279,739	183,385	96,354	530,993	470,527	60,466	82,309	116,638	30,516	86,122
Petroleum and coal products	439,521	399,754	317,440	41,570	275,870	82,314	70,897	11,417	39,767	120,672	92,231	28,441
Rubber products	117,084	109,783	30,893	25,910	4,983	78,890	75,264	3,626	7,301	27,529	3,749	23,780
Leather and leather products	34,320	31,301	8,064	7,352	712	23,237	19,593	3,644	3,019	9,349	2,612	6,737
Stone, clay, and glass products	296,457	285,066	104,378	78,705	25,673	180,688	161,711	18,977	11,391	51,358	19,056	32,302
Primary metal industries	669,853	592,177	212,687	126,410	86,277	379,490	351,227	28,263	77,676	136,785	48,679	88,106
Fabricated metal products	332,355	304,822	92,119	82,497	9,622	212,703	189,037	23,666	27,533	61,488	11,765	49,723
Machinery (except electrical)	598,260	517,589	167,396	153,519	13,877	350,193	306,832	43,361	80,671	91,557	17,669	73,888
Electrical machinery	276,078	244,606	64,874	58,600	6,274	179,732	155,800	23,932	31,472	37,060	5,511	31,549
Transportation equipment	432,590	354,974	99,514	86,996	12,518	255,460	222,126	33,334	77,616	108,250	24,940	83,310
Instruments and related products	65,721	56,000	15,313	14,573	740	40,687	34,923	5,764	9,721	16,200	4,970	11,230
Miscellaneous manufactures	116,672	106,960	31,515	28,851	2,664	75,445	66,451	8,994	9,712	21,052	4,783	16,269

Source: Department of Commerce, Bureau of the Census; 1947 Census of Manufactures reports.

No. 922.—Manufactures—Expenditures for Plant and Equipment, by States: 1947 and 1939

[In thousands of dollars. See headnote, table 921]

Division and State	1947					1939		
	Total expenditures for plant and equipment	Expenditures for new plant and equipment			Expenditures for used plant and equipment and land	Expenditures for new plant and equipment		
		Total	New construction	New machinery and equipment		Total	New construction	New machinery and equipment
United States	6,627,029	6,003,873	2,122,143	3,881,730	623,156	1,248,078	391,285	856,793
New England	475,422	418,580	115,151	303,429	56,842	101,853	22,231	79,622
Maine	36,996	35,055	12,708	22,347	1,941	7,489	2,662	4,827
New Hampshire	26,076	24,010	5,994	18,016	2,066	3,280	848	2,432
Vermont	10,681	9,698	3,051	6,647	983	2,488	648	1,840
Massachusetts	215,929	198,985	52,426	146,559	16,944	46,785	9,795	36,990
Rhode Island	37,842	34,609	8,117	26,492	3,233	9,972	1,794	8,178
Connecticut	147,898	116,223	32,855	83,368	31,675	31,839	6,484	25,355
Middle Atlantic	1,468,235	1,335,235	446,679	888,556	133,000	308,171	89,290	218,881
New York	556,980	497,443	152,173	345,270	59,537	116,635	29,847	86,788
New Jersey	329,992	303,987	93,130	210,857	26,005	77,664	22,464	55,200
Pennsylvania	581,263	533,805	201,376	332,429	47,458	113,872	36,979	76,893
East North Central	2,052,310	1,869,322	667,526	1,201,796	182,988	421,071	125,749	295,322
Ohio	537,703	498,254	179,293	318,961	39,449	106,957	25,832	81,125
Indiana	320,999	302,104	145,724	156,380	18,895	69,515	31,111	38,404
Illinois	548,580	478,431	168,066	310,365	70,149	103,652	36,049	67,603
Michigan	463,694	427,746	119,254	308,492	35,948	110,197	26,142	84,055
Wisconsin	181,334	162,787	55,189	107,598	18,547	30,750	6,615	24,135
West North Central	366,638	340,462	123,332	217,130	26,176	56,596	18,142	38,454
Minnesota	89,005	82,800	29,438	53,362	6,205	11,899	3,642	8,257
Iowa	70,437	64,686	23,041	41,645	5,751	10,040	4,008	6,032
Missouri	139,499	132,166	50,531	81,635	7,333	22,297	5,589	16,708
North Dakota	2,378	2,250	859	1,391	128	583	186	397
South Dakota	3,640	3,371	1,252	2,119	269	749	259	490
Nebraska	20,154	18,402	6,472	11,930	1,752	3,682	1,179	2,503
Kansas	41,525	36,787	11,739	25,048	4,738	7,346	3,279	4,067
South Atlantic	736,185	677,651	224,207	453,444	58,534	139,620	38,884	100,736
Delaware	21,527	21,137	5,594	15,543	390	2,558	697	1,861
Maryland	136,741	123,599	49,106	74,493	13,142	24,583	7,904	16,679
District of Columbia	5,312	4,502	976	3,526	810	1,320	279	1,041
Virginia	120,137	112,383	33,902	78,481	7,754	20,190	6,085	14,105
West Virginia	93,476	82,332	27,364	54,968	11,144	23,667	4,777	18,890
North Carolina	144,388	137,583	42,812	94,771	6,805	30,148	7,636	22,512
South Carolina	66,579	61,743	20,189	41,554	4,836	10,968	2,946	8,022
Georgia	90,412	84,320	28,147	56,173	6,092	18,105	5,439	12,666
Florida	57,613	50,052	16,117	33,935	7,561	8,081	3,121	4,960
East South Central	274,955	256,002	80,931	175,071	18,953	49,610	12,810	36,800
Kentucky	84,499	77,135	27,197	49,938	7,364	9,138	2,902	6,236
Tennessee	89,362	83,792	24,356	59,436	5,570	22,774	5,064	17,710
Alabama	76,803	72,362	22,752	49,610	4,441	11,977	3,095	8,882
Mississippi	24,291	22,713	6,626	16,087	1,578	5,721	1,749	3,972
West South Central	531,571	457,920	205,644	252,276	73,651	74,217	43,706	30,511
Arkansas	33,992	30,262	11,569	18,693	3,730	4,357	1,736	2,621
Louisiana	102,437	97,210	32,597	64,613	5,227	15,807	6,617	9,190
Oklahoma	35,535	25,504	12,252	13,252	10,031	5,551	2,829	2,722
Texas	359,607	304,944	149,226	155,718	54,663	48,502	32,524	15,978
Mountain	100,745	95,023	33,296	61,727	5,722	15,592	6,469	9,123
Montana	7,788	7,446	1,708	5,738	342	3,046	1,225	1,821
Idaho	12,116	11,447	3,903	7,544	669	1,707	743	964
Wyoming	11,594	10,235	8,756	1,479	1,359	784	308	476
Colorado	33,379	32,189	8,406	23,783	1,190	6,037	2,443	3,594
New Mexico	6,181	5,431	1,810	3,621	750	993	536	457
Arizona	8,761	8,328	3,131	5,197	433	971	264	707
Utah	17,877	16,988	4,171	12,817	889	1,789	859	930
Nevada	3,049	2,959	1,411	1,548	90	265	91	174
Pacific	620,968	553,678	225,377	328,301	67,290	81,348	34,004	47,344
Washington	94,447	81,476	28,707	52,769	12,971	12,862	6,323	6,529
Oregon	72,946	61,669	23,435	38,234	11,277	9,626	3,161	6,465
California	453,575	410,533	173,235	237,298	43,042	58,860	24,510	34,350

Source: Department of Commerce, Bureau of the Census; 1947 Census of Manufactures reports.

No. 923.—Inventories in Hands of Manufacturers at Beginning and End of 1947, by Major Industry Groups

[**In thousands of dollars.** Inventory statistics exclude data for industries in printing and publishing groups, small sawmills, and certain small establishments in other industries. It is estimated that for industry groups shown, figures represent 99 percent of all inventories held by them. Figures cover inventories held for account of individual manufacturing establishments and exclude inventories held for account of sales branches, central warehouses, or central administrative offices of manufacturing concerns]

Major industry group	Inventories at beginning of year			Inventories at end of year		
	Total	Finished products [1]	Materials, supplies, and work in process [2]	Total	Finished products [1]	Materials, supplies, and work in process [2]
All industries, total	**22,432,422**	**6,159,703**	**16,272,719**	**26,129,137**	**7,808,637**	**18,320,500**
Food and kindred products	3,489,199	1,522,149	1,967,050	4,078,750	1,943,108	2,135,642
Tobacco manufactures	1,033,759	391,569	642,190	1,117,664	465,754	651,910
Textile mill products	1,609,619	339,750	1,269,869	1,788,166	385,472	1,402,694
Apparel and related products	1,087,339	365,489	721,850	1,257,372	449,094	808,278
Lumber and products, exc. furniture	497,580	200,015	297,565	653,637	275,277	378,360
Furniture and fixtures	342,280	61,108	281,172	401,311	83,053	318,258
Paper and allied products	536,913	91,644	445,269	714,223	125,316	588,907
Printing and publishing industries	(3)	(3)	(3)	(3)	(3)	(3)
Chemicals and allied products	1,743,370	505,525	1,237,845	2,062,730	650,037	1,412,693
Petroleum and coal products	730,588	400,293	330,295	888,583	453,606	434,977
Rubber products	373,058	98,427	274,631	413,785	152,967	260,818
Leather and leather products	447,705	102,289	345,416	508,276	120,257	388,019
Stone, clay, and glass products	391,146	137,933	253,213	494,666	184,543	310,123
Primary metal industries	1,719,943	368,501	1,351,442	1,968,469	441,282	1,527,187
Fabricated metal products	1,254,132	233,753	1,020,379	1,500,320	315,639	1,184,681
Machinery (except electrical)	2,833,852	677,792	2,156,060	3,354,237	890,262	2,463,975
Electrical machinery	1,342,433	188,439	1,153,994	1,489,516	291,340	1,198,176
Transportation equipment	2,048,774	242,172	1,806,602	2,377,482	296,994	2,080,488
Instruments and related products	382,098	83,172	298,926	429,047	103,757	325,290
Miscellaneous manufactures	568,634	149,683	418,951	630,903	180,879	450,024

[1] Includes value of goods produced by contract work on materials owned by manufacturers reporting.
[2] Includes value of fuel and all other inventories.
[3] Data not collected.

Source: Department of Commerce, Bureau of the Census; 1947 Census of Manufactures reports.

No. 924.—Canned Fruit and Vegetable Products—Annual Production: 1938–39 to 1949–50

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

PRODUCT	1938–39	1939–40	1940–41	1941–42	1942–43	1943–44	1944–45	1945–46	1946–47	1947–48	1948–49	1949–50
Fruits, total [1]	39.1	50.6	47.0	60.3	58.3	45.4	55.4	51.2	81.3	65.5	64.5	68.9
Apples	1.6	2.6	2.1	4.0	3.9	2.0	3.0	1.1	4.0	2.1	1.6	3.9
Applesauce	1.1	2.3	2.0	3.2	3.6	2.2	3.1	1.9	6.2	4.5	3.4	6.1
Apricots	1.7	3.4	2.2	4.3	3.3	1.3	7.8	4.4	10.7	3.3	4.8	2.4
Berries	1.3	1.3	1.3	1.9	1.4	1.0	.5	.4	.8	1.0	1.8	2.0
Cherries, red pitted	1.4	2.4	2.7	1.7	2.6	.6	2.6	1.1	2.4	1.8	2.7	2.6
Cherries, other	.7	1.0	.6	.9	1.1	.9	.9	1.3	1.8	.6	.8	1.7
Cranberries	.8	1.4	1.3	1.7	.8	1.1	.6	1.8	3.2	2.2	1.3	1.8
Figs	.3	.3	.5	.8	.8	1.0	.9	.7	1.2	.8	.6	.3
Grapefruit	3.1	3.0	2.3	3.2	.6	.6	.4	2.1	4.0	2.3	3.0	2.3
Mixed fruits	2.9	5.3	5.0	5.7	6.2	5.8	6.6	6.5	8.9	10.2	11.0	7.6
Peaches	10.2	12.0	11.3	14.4	16.2	11.6	13.6	14.8	20.0	19.0	17.4	19.1
Pears	4.7	4.6	5.5	6.6	6.2	4.7	4.5	4.7	5.2	5.7	4.0	5.9
Pineapple [2]	8.5	8.6	8.8	9.2	9.9	10.2	9.1	7.9	8.4	9.4	10.8	10.8
Plums and prunes	.7	2.3	1.3	2.5	1.7	2.4	1.8	2.5	4.2	2.3	1.0	2.1
All other	.1	.1	.1	.2	------	------	------	------	.3	(3)	(3)	(3)
Juices, total [4]	40.8	46.6	57.7	63.0	76.0	80.7	96.7	110.6	110.0	102.3	99.7	90.8
Apple	(5)	.4	.5	1.6	1.7	1.4	2.7	1.1	4.4	1.4	1.4	3.0
Apricot, peach, pear	(5)	(5)	(5)	(5)	.8	.2	.9	.2	1.5	1.5	1.6	1.5
Grape	2.5	2.5	2.5	2.3	2.9	1.6	2.0	2.5	3.4	3.4	3.5	2.8
Grapefruit	11.7	10.9	16.2	12.9	24.0	26.6	22.0	26.4	17.6	17.5	14.3	11.1
Lemon and lime	.1	.1	.3	.2	.2	(5)	(5)	.6	.4	.5	.5	.4
Orange	1.5	3.6	4.1	4.8	2.9	8.3	16.8	22.6	19.7	27.3	19.3	19.0
Orange-grapefruit	.7	1.4	2.5	2.3	3.7	6.0	9.0	14.0	11.0	12.4	10.8	7.1
Pineapple	9.9	9.6	12.6	9.8	10.4	9.4	8.9	9.6	9.0	9.9	11.5	12.0
Prune	.7	.2	.2	.4	1.5	1.9	2.7	4.9	4.0	3.9	4.0	5.4
Other fruit	.6	.8	.9	1.4	.1	.2	.2	1.3	3.5	(3)	(3)	(3)
Tomato	11.2	13.7	15.1	23.4	25.1	22.5	28.4	23.4	29.2	19.5	27.8	23.5
Other vegetable	1.9	3.4	2.8	4.0	2.8	2.6	3.1	4.0	6.3	(3)	(3)	(3)
Seasonal vegetables, total [4]	103.6	91.2	110.3	143.4	169.5	147.6	134.9	139.3	149.4	122.4	120.2	127.1
Asparagus	2.9	3.0	3.6	3.5	4.5	4.2	4.3	4.5	4.6	3.8	3.6	4.4
Beans, green and wax	11.3	8.8	10.1	15.8	25.2	23.3	18.6	17.5	18.3	13.1	15.2	20.6
Beans, lima	2.8	2.7	2.9	4.0	3.0	2.0	1.7	1.6	1.7	2.2	2.5	4.4
Beets	3.9	3.0	4.5	9.0	7.3	7.2	8.7	9.5	7.0	3.4	4.5	7.4
Carrots	1.2	2.0	2.2	2.9	3.0	3.1	3.1	3.6	3.7	1.0	3.1	1.8
Corn	22.1	16.1	16.7	28.9	32.6	29.3	25.4	28.7	31.0	26.1	31.5	29.8
Greens, leafy	.4	.5	.6	.9	1.4	1.2	1.0	3.0	1.5	.9	1.7	2.5
Mixed vegetables	2.2	2.2	2.5	2.9	1.8	1.4	2.4	4.0	3.8	3.8	(3)	(3)
Peas	27.0	17.5	26.8	31.9	36.9	36.4	31.7	39.7	40.9	33.1	23.4	23.5
Pumpkin and squash	1.8	3.2	3.2	3.5	2.3	2.1	2.9	1.9	4.6	3.4	1.8	1.1
Spinach	3.2	5.0	5.5	5.5	9.9	7.7	9.0	8.4	8.4	3.9	5.0	6.7
Tomatoes	24.8	27.2	31.7	34.6	41.6	29.7	26.1	16.9	23.9	27.7	24.4	21.5
Nonseasonal vegetables, total [4]	85.7	94.8	102.3	116.7	72.1	80.5	99.7	126.3	144.7	(3)	(3)	(3)
Beans, all dry varieties	27.0	28.1	30.0	34.5	10.5	15.1	26.5	34.7	35.0			
Hominy	2.2	2.5	2.6	2.8	.6	.4	------	(6)	(6)	4.3	4.5	4.8
Sauerkraut	6.9	5.7	7.2	6.5	2.4	3.6	4.1	7.7	8.0	4.2	6.5	6.4
Spaghetti and macaroni	5.0	5.5	5.8	6.5	1.4	.1	------	(6)	(6)	(3)	(3)	(3)
Sweet potatoes	.7	.3	1.0	2.0	1.0	1.5	1.6	3.1	5.7	1.7	1.8	3.1
Soups	24.0	29.5	30.0	34.5	27.7	23.0	29.7	39.1	43.0	40.0	42.0	41.0
All other	3.9	4.8	5.4	6.5	4.0	6.5	3.0	7.3	7.0			
Beans, fresh shelled	------	------	------	------	------	.5	.4			(3)	(3)	(3)
Beans, soy	------	------	------	------	------	.8	.1					
Corn-on-cob	.5	.5	.6	.8	.2	------	------					
Mushrooms	.6	.7	.8	.9	.4	.4	.4	(6)	(6)	.7	.6	.7
Pimientos	.5	.6	.5	.3	.2	.2	.2			.5	.5	.6
White potatoes	------	------	------	------	1.3	4.3	1.6			.9	1.6	1.5
Miscellaneous	2.3	3.0	3.5	4.5	1.9	.3	.3			(3)	(3)	(3)
Tomato products	15.1	17.1	18.6	21.6	23.4	29.0	33.5	33.8	45.0	35.7	27.4	23.5
Catsup and chili sauce	7.6	8.8	9.2	10.6	11.0	9.9	12.0	10.1	13.0	16.9	13.8	9.0
Paste and sauce	3.0	3.6	4.4	5.0	5.9	9.1	10.0	11.5	16.2	12.9	9.9	10.4
Pulp and puree	4.5	4.7	5.0	6.0	6.5	10.0	11.5	12.2	15.8	5.9	3.7	4.1
Olives, ripe	.9	1.3	1.7	1.8	1.1	1.3	1.3	.6	1.0	(3)	(3)	(3)
Canned baby foods, total [7]	11.9	12.1	21.2	32.7	47.0	57.2	78.0	106.6	120.2	90.0	126.7	122.1
Desserts	------	------	.8	1.1	3.3	3.5	8.3	17.5	10.6	7.2	10.1	8.5
Fruits	2.6	2.5	4.5	7.7	14.7	15.2	25.8	36.0	45.0	34.8	41.6	49.6
Meat compounds	2.6	2.8	4.7	7.3	11.7	12.2	16.0	18.0	36.8	24.7	38.0	36.1
Vegetables	6.7	6.8	11.2	16.6	17.3	26.3	27.9	34.9	27.8	23.3	37.0	27.8

[1] Basis 24 No. 2½ cans. [2] Hawaiian pack plus receipts from Puerto Rico. [3] Not available.
[4] Basis 24 No. 2 cans. [5] Included in "other fruit juices."
[6] Included with "all other." [7] Calendar year (first) packs; basis dozen cans.

Source: Dept. of Commerce, Office of Domestic Commerce. Data for recent years compiled mainly from annual pack statistics of National Canners Assn., Washington, D. C. Historical series (1944–45 and earlier) from Fruit and Vegetable Canning Industries, 1934–45 (Industrial Series 15), compiled in cooperation with Bureau of Census and Office of Price Administration.

No. 925.—Ethyl Alcohol and Other Distilled Spirits, Except Brandy and Spirits (Fruit)—Materials Used in Production, by Kinds: 1901 to 1949

Yearly average or year ending June 30—	Molasses (thousand gallons)	Grain (thousands of pounds) [1]				Ethyl sulphate	Pineapple juice	Other materials [3]	
		Corn	Malt	Rye	Other [2]	Thousand gallons		Thousand gallons	Thousand pounds
1901–1905	14,059	1,094,027	197,602	303,038	3,349				
1906–1910	30,630	1,114,277	202,720	280,112	1,893				
1911–1915	71,726	1,183,706	209,194	275,374	5,029				
1916–1920	109,627	958,003	125,429	65,139	5,298			49,457	
1921–1925	144,652	259,134	53,592	5,219	[4] 854			42,340	[5] 89,387
1926–1930	239,279	473,682	29,613	2,722	[5] 1,008	[6] 1,274		43,546	58,901
1931–1935	167,264	480,276	101,183	245,457	5,252	10,686	5,671	8,802	26,606
1936–1940	183,214	1,398,797	267,247	466,285	3,179	31,530	3,599	12,075	3,199
1941–1945	240,247	1,652,322	562,455	348,848	3,069,179	77,809	2,948	15,085	49,748
1911	44,363	1,301,832	226,968	301,056	5,096				
1912	61,605	1,288,952	228,256	313,600	4,760				
1913	64,641	1,335,488	238,168	326,368	6,160				
1914	64,721	1,193,696	220,584	299,152	4,648				
1915	123,301	798,560	131,992	136,696	4,480				
1916	80,977	1,795,920	250,936	174,552	4,592			71,165	
1917	112,498	1,902,488	237,440	133,000	4,536			78,463	
1918	118,028	814,520	94,640	13,944	9,632			68,527	
1919	123,499	217,840	32,088	1,400	4,816			9,801	
1920	113,133	59,248	12,040	2,800	2,912			19,327	
1921	119,053	273,840	51,184	10,528	1,624			31,101	
1922	97,223	173,208	45,696	4,760	56			74,705	
1923	148,711	173,936	46,536	280				32,543	12
1924	155,001	271,432	64,568	5,096	1,120			35,525	155,756
1925	203,270	403,256	59,976	5,432	616			37,824	112,392
1926	267,404	445,088	36,400	728	672			44,508	46,885
1927	211,519	469,448	28,280	392				40,942	49,469
1928	213,630	346,864	25,368	392	504			56,795	79,576
1929	268,045	548,912	20,720	448				53,884	53,038
1930	235,797	558,096	37,296	11,648	1,848	1,274		21,601	65,535
1931	187,790	137,424	36,008	357,560	1,568	10,072	5,768	19,302	30,344
1932	161,295	271,488	28,336	12,208	18,592	11,146	4,235	15,072	20,377
1933	117,939	325,808	31,360	31,584	336	8,943	5,544	6,772	30,265
1934	174,031	580,269	140,848	252,519	2,663	9,568	7,491	1,672	23,797
1935	195,266	1,086,392	269,361	573,413	3,099	13,699	5,317	1,190	28,247
1936	179,123	1,782,205	372,421	718,789	3,716	24,403	6,790	8,092	678
1937	208,071	2,029,560	387,312	651,457	3,673	25,493	3,598	12,248	963
1938	166,722	1,110,331	206,625	339,066	2,689	26,577	2,007	27	456
1939	163,223	1,012,868	183,411	307,742	3,432	35,389	2,344	26,207	1,254
1940	198,929	1,059,019	186,468	314,371	2,383	45,786	3,256	13,801	12,644
1941	225,349	1,307,455	231,065	373,997	2,527	53,400	1,831	2,365	18,563
1942	286,174	2,236,469	333,155	384,190	114,806	71,259	1,988	2,859	25,907
1943	183,039	2,797,530	558,854	117,008	2,370,391	78,299	3,237	3,574	37,136
1944	263,889	320,126	727,200	217,398	6,393,230	94,467	4,918	8,680	70,030
1945	242,786	1,600,028	962,002	651,649	6,464,941	91,621	2,766	57,949	97,106
1946	117,520	1,370,401	537,373	463,822	1,968,362	103,306	2,374	152,899	648,435
1947	73,382	2,651,731	455,336	237,166	148,398	106,457	2,880	222,581	983,782
1948	178,502	1,583,553	344,099	368,989	617,559	109,245	4,909	249,189	274,026
1949	161,790	1,716,278	328,247	375,936	233,767	131,819	2,566	249,208	1,325,235

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

Source: Treasury Department: *1901 to 1933, Bureau of Industrial Alcohol;* Statistics Concerning Intoxicating Liquors. 1934 and subsequent years, Bureau of Internal Revenue; annual and special reports.

No. 926.—Denatured Alcohol:[1] 1910 to 1949

Year ending June 30—	Alcohol produced at industrial alcohol plants [2]	Denaturing plants operated	Ethyl alcohol used for denaturation [3]	Denatured alcohol produced [4]		
				Total	Completely denatured	Specially denatured
	Proof gallons		*Proof gallons*	*Wine gallons*	*Wine gallons*	*Wine gallons*
1910	----------	12	10, 605, 871	6, 079, 027	3, 076, 925	3, 002, 103
1915	----------	23	25, 411, 719	13, 986, 469	5, 386, 647	8, 599, 822
1920	18, 933, 551	52	45, 640, 949	28, 836, 350	13, 528, 403	15, 307, 947
1925	166, 165, 518	91	152, 254, 039	81, 808, 273	46, 983, 970	34, 824, 303
1930	193, 823, 717	68	185, 000, 827	106, 776, 978	59, 063, 510	47, 713, 468
1935	180, 645, 920	39	165, 233, 606	97, 031, 074	38, 746, 679	58, 284, 395
1940	243, 727, 756	40	225, 160, 792	126, 761, 830	15, 352, 033	111, 409, 797
1944	[5] 636, 575, 216	66	973, 439, 556	524, 113, 586	52, 331, 761	471, 781, 825
1945	[5] 683, 431, 544	65	971, 446, 910	527, 095, 537	33, 087, 533	494, 008, 004
1946	329, 386, 962	50	393, 458, 500	212, 802, 110	26, 144, 437	186, 657, 673
1947	248, 798, 639	49	338, 029, 989	183, 744, 086	36, 395, 715	147, 348, 371
1948	332, 282, 148	48	339, 651, 745	184, 281, 826	34, 887, 789	149, 394, 037
1949	351, 015, 364	47	323, 925, 930	174, 494, 703	10, 221, 492	164, 273, 211

[1] Includes data for Hawaii for all years and data for Puerto Rico beginning with Aug. 1, 1928.
[2] Separate accounts for alcohol produced ati ndustrial alcohol plants required commencing May 1, 1920.
[3] Through 1940, represents *withdrawals* of all products for denaturation, that is, domestic ethyl alcohol, spirits produced by registered distilleries (redesignated upon receipt at denaturing plants as alcohol), and rum. Beginning 1944, represents all products (except rum) *used* for denaturation, that is, domestic ethyl alcohol, imported ethyl alcohol, and spirits. Rum is included for 1935 and 1940 because denatured rum is included with specially denatured alcohol for those years.
[4] Prior to 1944 includes denatured rum.
[5] Represents gross production. Net production (gross production minus products used in redistillation) for such years follows: 1944, 590,929,045; 1945, 650,089,874.

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

No. 927.—Alcoholic Beverages—Production, Tax-Paid Withdrawals, and Stocks: Years Ending June 30, 1943 to 1949

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

Class	Unit	1943	1944	1945	1946	1947	1948	1949
Fermented malt liquor:								
Production	Thous. of bbl.[1]	71, 018	81, 726	86, 604	84, 978	87, 857	91, 291	89, 736
Tax-paid withdrawals	do	68, 636	76, 970	79, 591	81, 287	82, 629	86, 993	85, 809
Stocks on hand June 30	do	8, 286	8, 862	9, 262	8, 035	9, 565	9, 888	9, 879
Distilled spirits, total:								
Production [2]	Thous. of tax gal.[3]	[4] 39, 917	[4] 23, 805	[4] 128,205	[4] 275,148	315, 158	244, 127	266, 542
Tax-paid withdrawals [5]	do	136, 837	90, 464	142, 331	178, 131	173, 505	147, 160	141, 767
Stocks on hand June 30 [2]	do	476, 345	376, 278	338, 173	420, 262	525, 828	594, 733	677, 344
Whiskey:								
Production	do	19, 530	--------	41, 562	147, 465	167, 995	129, 597	149, 595
Tax-paid withdrawals	do	87, 914	58, 833	63, 891	63, 227	58, 823	53, 603	52, 675
Stocks on hand June 30	do	424, 825	348, 646	307, 588	374, 072	464, 825	522, 261	602, 926
Rectified spirits and wines, production, total	Thous. of proof gal.	70, 125	67, 686	118, 863	150, 879	148, 560	125, 733	118, 955
Whiskey, production	do	60, 795	57, 862	101, 645	124, 727	130, 701	114, 917	107, 782
Still wines: [9]								
Production [7]	Thous. of wine gal.[8]	195, 225	204, 853	314, 983	379, 936	515, 335	314, 328	425, 925
Tax-paid withdrawals	do	108, 426	84, 673	88, 792	107, 965	102, 212	110, 114	119, 107
Stocks on hand June 30 [6]	do	91, 031	94, 313	102, 725	102, 014	160, 211	147, 708	162, 586
Sparkling wines: [10]								
Production	Thous. of half pints [11]	20, 348	30, 192	31, 017	40, 569	48, 548	20, 422	22, 836
Tax-paid withdrawals	do	22, 071	26, 961	25, 269	35, 721	30, 985	20, 414	21, 665
Stocks on hand June 30	do	17, 648	18, 715	22, 634	24, 498	39, 491	36, 465	34, 859

[1] Barrels of 31 wine gallons. [2] Excludes ethyl alcohol.
[3] A tax gallon for spirits of 100 proof or over is equivalent to the proof gallon. For spirits of less than 100 proof the tax gallon is equivalent to the wine gallon.
[4] Excludes high-proof spirits and unfinished spirits produced at registered distilleries for industrial purposes.
[5] Includes ethyl alcohol.
[6] Excludes vermouth and other aperitif wines.
[7] Production represents total amount removed from fermenters, including distilling material (substandard wines produced with excessive water or residue materials). In 1949, 286,045,119 gallons of distilling materials were produced.
[8] Standard United States gallon.
[9] Excludes distilling materials.
[10] Includes champagne, other sparkling wines, and artificially carbonated wines.
[11] Tax is payable on each ½ pint or fraction thereof in each bottle or container.

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

No. 928.—Distilled Spirits, Malt Liquors, and Wines—Apparent Average Annual Per Capita Consumption in the Continental United States: 1850 to 1949

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

Fiscal year	Distilled spirits			Malt liquors			Wines		
	Total	Domestic	Imported	Total	Domestic	Imported	Total	Domestic	Imported
1850	2.24	2.02	0.22	1.58	1.57	0.01	0.27	0.01	0.26
1860	2.86	2.67	.19	3.22	3.18	.04	.34	.06	.28
1870	2.07	1.89	.18	5.31	5.28	.03	.32	.08	.24
1871-80 [1]	1.39	1.35	.04	6.93	6.90	.03	.47	.31	.16
1881-90 [1]	1.34	1.31	.03	11.37	11.34	.03	.48	.39	.09
1891-95 [1]	1.37	1.35	.02	15.20	15.15	.05	.39	.32	.07
1896-1900 [1]	1.12	1.10	.02	15.53	15.49	.04	.36	.31	.05
1901-05 [1]	1.39	1.36	.03	17.34	17.29	.05	.47	.40	.07
1906-10 [1]	1.43	1.39	.04	19.81	19.73	.08	.62	.53	.09
1911	1.46	1.42	.04	20.69	20.61	.08	.67	.60	.07
1912	1.45	1.41	.04	20.02	19.95	.07	.58	.52	.06
1913	1.51	1.47	.04	20.72	20.64	.08	.56	.49	.07
1914	1.44	1.40	.04	20.69	20.62	.07	.53	.46	.07
1915	1.26	1.23	.03	18.40	18.37	.03	.33	.27	.06
1916	1.37	1.33	.04	17.78	17.76	.02	.47	.42	.05
1917	1.62	1.59	.03	18.17	18.15	.02	.41	.36	.05
1918	.87	.86	.01	14.77	14.76	.01	.49	.46	.03
1919	.79	.79	(2)	8.00	8.00	(2)	.51	.49	.02
1920	.22	.22	(2)	2.61	2.61	(2)	.12	.12	(2)
1921	.32	32	(2)	-------	-------	-------	.19	.18	.01
1922 [3]	.18	.18	(2)	-------	-------	-------	.06	.05	.01
1923 [3]	.11	.11	(2)	-------	-------	-------	.13	.13	(2)
1924 [3]	.10	.10	(2)	-------	-------	-------	.08	.08	(2)
1925 [3]	.09	.09	(2)	-------	-------	-------	.03	.03	(2)
1926 [3]	.09	.09	(2)	-------	-------	-------	.05	.05	(2)
1927 [3]	.08	.08	(2)	-------	-------	-------	.04	.04	(2)
1928 [3]	.09	.09	(2)	-------	-------	-------	.04	.04	(2)
1929 [3]	.09	.09	(2)	-------	-------	-------	.09	.09	(2)
1930 [3]	.08	.08	(2)	-------	-------	-------	.03	.03	(2)
1931 [3]	.07	.07	(2)	-------	-------	-------	.05	.05	(2)
1932 [3]	.06	.06	(2)	-------	-------	-------	.04	.04	(2)
1933 [3]	.05	.05	(2)	1.56	1.55	.01	.01	.01	(2)
1934 [3]	.33	.30	.03	7.90	7.89	.01	.14	.12	.02
1935	.70	.67	.03	10.45	10.44	.01	.30	.28	.02
1936	.81	.73	.08	11.93	11.92	.01	.39	.37	.02
1937	1.03	.90	.13	13.47	13.45	.02	.52	.49	.03
1938	1.00	.89	.11	13.02	13.00	.02	.51	.48	.03
1939	.93	.84	.09	12.41	12.39	.02	.55	.52	.03
1940	1.02	.93	.09	12.58	12.57	.01	.66	.63	.03
1941	1.04	.96	.08	12.42	12.41	.01	.70	.68	.02
1942	1.13	1.06	.07	14.18	14.17	.01	.79	.78	.01
1943	1.11	1.00	.11	15.96	15.93	.03	.84	.83	.01
1944	1.03	.72	.31	17.97	17.92	.05	.73	.66	.07
1945	1.22	1.05	.17	18.86	18.79	.07	.73	.70	.03
1946	1.39	1.27	.12	18.56	18.47	.09	.87	.82	.05
1947	1.28	1.17	.11	18.08	18.02	.06	.77	.74	.03
1948	1.06	.97	.09	18.58	18.56	.02	.79	.77	.02
1949	1.02	.92	.10	18.05	18.03	.02	.85	.83	.02

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

Source: Department of Commerce, Office of International Trade; published in World Trade in Commodities: Foreign Trade in Beverages and Beverage Materials. Data prior to 1922 published in the Statistical Abstract, 1921, p. 616.

No. 929.—Tobacco Products—Production, by Kind: 1901 to 1948

[Compiled from monthly returns of manufacturers. Data relate to products manufactured in continental United States, excluding those manufactured in customs bonded manufacturing warehouses, class 6. There were 142,893,534 large cigars manufactured in these warehouses in 1948. Large cigars are those weighing more than 3 pounds per thousand. See also *Historical Statistics*, series J 174 for data on cigarettes]

Calendar year or yearly average	Tobacco and snuff (thousands of pounds)						Cigars (thousands)		Cigarettes (thousands)	
	Total	Plug	Twist	Fine cut	Smoking [1]	Snuff	Large	Small	Large	Small
1901–1905	346,841	175,981		11,903	138,402	20,556	6,513,095	716,720	7,143	3,227,606
1906–1910	413,054	167,460	13,524	12,525	192,700	26,845	6,883,272	1,059,501	16,113	6,192,571
1911–1915	437,346	158,529	15,017	10,795	221,865	31,140	7,087,530	1,053,654	15,695	14,802,416
1916–1920	456,584	159,869	14,346	9,758	237,808	34,805	7,304,937	810,327	26,026	41,565,670
1921–1925	409,457	115,445	10,105	6,972	239,151	37,785	6,691,913	557,300	16,704	65,903,991
1926–1930	389,244	99,470	8,374	5,821	235,421	40,159	6,360,650	414,044	10,479	109,361,216
1931–1935	349,785	64,662	5,404	3,660	239,072	36,987	4,648,308	245,412	20,417	121,702,676
1936–1940	344,331	54,402	6,029	4,703	241,561	37,636	5,184,661	164,652	2,956	174,117,549
1941–1945	327,473	56,967	6,223	4,535	217,829	41,919	5,457,472	125,370	23,938	235,475,536
1935	342,728	60,588	5,604	4,683	235,757	36,095	4,685,370	177,822	2,504	139,906,180
1936	347,977	59,165	6,372	5,068	239,349	38,022	5,172,279	180,006	2,458	158,893,958
1937	340,579	58,331	6,774	4,999	233,334	37,141	5,303,369	198,585	3,066	169,969,320
1938	345,369	54,495	5,659	4,572	243,470	37,173	5,014,758	152,990	2,638	171,686,383
1939	343,307	51,263	5,733	4,701	243,640	37,970	5,197,627	156,940	4,369	180,066,824
1940	344,423	48,759	5,605	4,176	248,011	37,872	5,235,271	134,738	2,249	189,371,258
1941	342,427	50,230	5,614	5,069	241,867	39,616	5,610,176	146,711	1,790	217,934,925
1942	330,413	54,300	6,024	5,084	224,002	41,003	5,840,805	133,150	2,503	257,520,863
1943	327,089	58,945	6,257	4,460	214,249	43,179	5,363,027	125,480	6,111	296,173,333
1944	306,935	61,655	6,498	4,092	192,728	41,962	5,198,679	123,340	26,870	323,583,888
1945	330,502	59,704	6,723	3,970	216,271	43,834	5,274,675	98,167	82,416	332,164,670
1946	253,231	51,810	5,773	3,756	152,531	39,361	5,617,700	92,262	1,658	350,038,003
1947	242,283	47,306	5,152	3,793	146,869	39,163	5,487,656	79,690	537	369,682,769
1948 [2]	244,681	45,346	5,632	3,207	149,687	40,809	5,645,104	89,134	641	386,825,746

[1] Includes scrap chewing tobacco.
[2] Number of factories on Jan. 1, 1949: Tobacco and snuff (excluding 193 "quasi" manufacturers), 321; cigars, 1,982; cigarettes, 53.

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

No. 930.—Tobacco, Leaf—Amounts Consumed in the Manufacture of Cigars, Cigarettes, Chewing and Smoking Tobacco, and Snuff: 1896 to 1948

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

Calendar year or yearly average	Total	Cigars	Cigarettes	Tobacco and snuff	Calendar year	Total	Cigars	Cigarettes	Tobacco and snuff
1896–1900	359,053	87,851	16,235	254,967	1935	775,932	113,742	399,458	262,731
1901–1905	451,461	124,411	12,444	314,606	1936	847,367	126,578	453,327	267,462
1906–1910	524,193	130,206	22,079	362,908	1937	872,924	128,653	479,961	264,309
1911–1915	578,283	151,890	52,207	374,186	1938	865,302	118,751	483,840	262,710
1916–1920	650,460	155,312	130,320	364,828	1939	885,299	122,681	509,133	253,485
1921–1925	672,077	151,421	198,069	322,588	1940	922,716	126,835	535,218	260,663
1926–1930	762,540	149,240	312,533	300,767	1941	1,009,085	136,066	626,842	246,178
1931–1935	740,934	112,296	345,985	282,652	1942	1,131,065	140,679	754,550	235,837
1936–1940	878,722	124,700	492,296	261,726	1943	1,228,703	131,896	860,459	236,349
1941–1945	1,182,914	133,383	821,311	228,221	1944	1,254,541	129,882	920,418	204,241
1931	752,404	127,628	329,962	294,813	1945	1,291,176	128,390	944,286	218,499
1932	690,134	104,288	299,029	286,817	1946	1,306,667	137,539	1,000,938	168,190
1933	710,668	104,699	326,093	279,876	1947	1,355,117	135,338	1,055,594	164,185
1934	775,530	111,123	375,383	289,024	1948	1,400,091	139,823	1,099,176	161,092

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

No. 931.—Cotton-System Spindles, Cotton Consumption, and Stocks: 1840 to 1949

[Statistics for 1915 to 1949 relate to 12 months ending July 31 and those for prior years to 12 months ending Aug. 31. For 1946–49, spindles in place include all cotton-system spindles in place regardless of fiber spun. Prior to 1946, "in place" figure represents all spindles in place used exclusively for spinning cotton. Consumption and stocks are expressed in running bales, counting round as half bales, except that all figures, 1840 to 1870, inclusive, and foreign cotton for all years are in equivalent 500-pound bales. See also *Historical Statistics*, series J 179–180 for data on active cotton-system spindles in the U. S. and total cotton consumed including linters]

Year	Cotton-system spindles (thousands): Total in place	Active [1]: United States	Active [1]: Cotton-growing States	Active [1]: New England	Active [1]: Other States	Active cotton spindle hours (millions)	Cotton consumed, excluding linters (thousands of bales) [2]: United States	Cotton consumed: Cotton-growing States	Cotton consumed: New England	Cotton consumed: Other States
1840	(3)	2,285	181	1,597	506	(3)	237	71	159	7
1850	(3)	3,998	265	2,959	775	(3)	576	78	431	67
1860	(3)	5,236	324	3,859	1,053	(3)	845	94	567	184
1870	(3)	7,132	328	5,498	1,306	(3)	797	69	551	177
1880	(3)	[4] 10,653	[4] 561	[4] 8,632	[4] 1,460	(3)	[4] 1,570	[4] 189	[4] 1,129	[4] 252
1890	(3)	14,384	1,570	10,934	1,880	(3)	2,518	539	1,502	477
1900	(3)	19,472	4,368	13,171	1,933	(3)	3,873	1,523	1,909	440
1910	28,929	28,267	10,494	15,735	2,038	(3)	4,622	2,234	1,995	393
1920	35,834	35,481	15,231	18,287	1,963	(3)	6,420	3,583	2,397	440
1925	37,929	35,032	17,292	15,975	1,765	91,055	6,193	4,220	1,639	335
1930	34,025	31,245	18,586	11,351	1,308	87,515	6,106	4,749	1,143	214
1935	30,093	26,701	18,212	7,763	726	72,526	5,361	4,306	818	237
1940	24,750	23,586	17,641	5,279	666	97,006	7,784	6,647	918	219
1941	24,335	23,389	17,653	5,088	649	111,775	9,722	8,289	1,147	285
1942	23,971	23,608	17,800	5,138	670	131,161	11,170	9,526	1,313	331
1943	23,401	23,429	17,746	5,043	641	129,709	11,100	9,640	1,156	305
1944	23,293	23,019	17,652	4,784	582	118,283	9,943	8,739	950	254
1945	23,128	22,675	17,610	4,511	554	111,898	9,568	8,455	891	222
1946	23,862	22,777	17,700	4,526	551	105,368	9,163	8,074	854	235
1947	23,824	22,519	17,502	4,541	476	114,727	10,025	8,776	968	281
1948	23,798	22,675	17,807	4,429	439	119,017	9,354	8,254	887	213
1949	23,501	20,134	16,491	3,276	367	98,217	7,795	6,986	644	165

Yearly average or year	Consumption (thousands of bales): Cotton, excluding linters: Total	Domestic: Total	Domestic: Upland	Domestic: Sea Island	Domestic: American-Egyptian	Foreign	Linters	Stocks in consuming establishments at end of year (thousands of bales): Cotton, excluding linters [5]: Total	Domestic	Foreign	Linters
1906–1910	[6] 4,829	[6] 4,680	[6] 4,616	[6] 64	-------	149	[7] 163	[6] 731	[6] 673	58	[7] 39
1911–1915	5,257	5,051	[8] 4,976	75	(8)	206	293	822	738	84	86
1916–1920	6,388	6,105	[8] 6,034	71	(8)	282	734	1,452	1,352	100	179
1921–1925	5,869	5,577	5,531	9	37	292	599	1,003	911	92	139
1926–1930	6,735	6,434	6,419	1	15	301	815	1,150	1,050	100	186
1931–1935	5,466	5,325	5,311	1	14	140	720	1,116	1,061	55	261
1936–1940	6,938	6,799	6,780	2	18	139	836	7,133	7,060	74	275
1941–1945	10,301	10,151	10,105	3	42	149	1,399	10,354	10,233	121	391
1940	7,784	7,655	7,631	3	21	128	1,061	10,094	9,999	95	400
1941	9,722	9,576	9,545	3	27	146	1,359	11,581	11,441	140	469
1942	11,170	10,974	10,922	4	47	196	1,488	9,900	9,765	135	439
1943	11,100	10,930	10,874	6	50	170	1,301	9,792	9,704	88	465
1944	9,943	9,829	9,782	3	44	114	1,365	10,159	10,041	118	335
1945	9,568	9,448	9,404	1	44	120	1,481	10,339	10,215	124	247
1946	9,163	8,966	8,946	1	19	197	1,055	6,746	6,593	153	255
1947	10,025	9,765	9,755	1	9	260	984	2,310	2,178	132	201
1948	9,354	9,109	9,101	2	5	246	1,156	2,806	2,717	89	190
1949	7,795	7,634	7,629	1	4	161	1,406	5,031	4,962	69	237

[1] For 1945 and earlier years data represent sum of greatest number of cotton spindles reported by each mill as active at any time during year, regardless of length of time operated. Beginning with 1946, active figure includes all cotton-system spindles active last day of year, regardless of type of fiber spun. On July 31, 1949, there were 19,008,000 spindles active on cotton, 814,000 on synthetics, 312,000 on other fibers and blends, and 3,367,000 idle.

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

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

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

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

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

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

No. 932.—Cotton-System Spindle Activity, 1947, 1948, 1949, and Cotton Consumption, 1945 to 1949, by Region and State

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

Region and State	Cotton spindles in place (thousands)[1]			Active cotton spindle hours (millions)			Cotton consumed, excluding linters (thousands of bales)				
	1947	1948	1949	1947	1948	1949	1945	1946	1947	1948	1949
United States	23,824	23,798	23,501	114,727	119,017	98,217	9,568	9,163	10,025	9,354	7,795
Cotton-growing States	18,104	18,354	18,338	95,507	99,564	83,875	8,455	8,074	8,776	8,254	6,986
New England	5,154	4,931	4,608	17,425	17,889	13,115	891	854	968	887	644
Other States	566	513	465	1,795	1,564	1,227	222	235	281	213	165
Alabama	1,788	1,815	1,769	10,291	10,232	8,270	1,164	1,128	1,238	1,106	945
Connecticut	491	486	488	1,299	1,289	1,026	57	59	65	61	48
Georgia	3,191	3,217	3,243	16,775	17,393	14,583	2,010	1,971	2,116	1,927	1,600
Maine	630	648	632	2,648	2,956	2,513	149	138	165	170	147
Massachusetts	2,825	2,701	2,613	9,685	9,790	6,929	485	470	525	476	340
New Hampshire	(2)	(2)	(2)	(2)	(2)	(2)	112	(2)	(2)	(2)	(2)
New York	305	269	262	944	920	699	91	90	100	96	71
North Carolina	5,850	5,927	5,910	29,634	30,619	24,570	2,550	2,382	2,576	2,524	2,098
Rhode Island	851	753	699	2,430	2,589	1,646	86	81	96	89	53
South Carolina	5,543	5,642	5,666	30,098	32,131	29,209	1,952	1,823	2,028	1,962	1,740
Tennessee	567	556	556	2,974	3,205	2,657	221	208	214	215	179
Texas	230	240	245	1,130	1,021	864	191	198	200	155	144
Virginia	646	648	649	3,200	3,591	2,565	226	197	221	211	154
All other States	907	896	769	3,619	3,281	2,686	274	418	481	362	276

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

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

No. 933.—Cotton and Rayon Mill Machinery—Number of Machines in Possession, by Kind, December 31, 1947; in Place, by Kind and by Region and State, February 28, 1942

[Machinery in place is that which is set up in operating position]

Region and State	Cards	Combs	Roving machinery				Spinning spindles	Twisting spindles	Looms
			Slubbers	Speeders	Intermediates	Jacks			
1947									
United States	86,442	9,138	708,061	1,301,375	639,422	397,694	22,729,849	3,513,774	479,166
1942									
United States	90,582	7,245	637,529	1,962,868	700,060	524,948	24,185,947	3,427,293	522,127
Cotton-growing States	72,141	3,828	524,619	1,493,816	520,330	232,444	18,184,663	2,612,863	363,376
North Carolina	24,339	2,591	161,786	539,540	162,410	148,002	5,861,613	1,173,469	85,383
South Carolina	16,969	499	129,672	491,417	136,000	17,768	5,620,037	364,376	144,770
Georgia	15,692	264	124,558	224,347	103,000	9,668	3,154,956	648,122	54,404
Alabama	8,365	168	72,405	104,520	50,276	18,120	1,813,716	224,414	34,870
Other cotton-growing States [1]	6,776	306	36,198	133,992	68,644	38,886	1,734,341	202,482	43,940
New England [2]	15,441	3,219	90,686	392,722	156,412	282,780	5,297,814	723,078	117,020
Massachusetts	8,671	2,171	46,228	269,876	98,220	195,692	2,992,490	405,150	56,790
Rhode Island, Connecticut	3,179	798	16,864	71,592	27,412	73,512	1,301,520	264,860	35,029
Middle Atlantic [3]	2,616	180	18,308	64,058	20,084	8,212	589,436	87,372	39,483
Midwestern [4]	384	18	3,916	12,272	3,234	1,512	114,034	3,980	2,248

[1] Includes Arkansas, California, Kentucky, Louisiana, Mississippi, Oklahoma, Tennessee, Texas, and Virginia.
[2] Includes Maine, New Hampshire, and Vermont, not shown separately.
[3] Includes Delaware, Maryland, New Jersey, New York, and Pennsylvania.
[4] Includes Illinois, Indiana, Michigan, Ohio, and Wisconsin.

Source: Department of Commerce, Bureau of the Census; 1942 data compiled from manufacturers' reports to War Production Board and published in Facts for Industry, Series 32-16-1; 1947 data from Census of Manufactures.

No. 934.—Cotton Manufactures—Production by Kind: 1939 to 1949

[In thousands of linear yards]

PRODUCT	1939	1945	1946	1947	1948	1949
Cotton woven goods over 12 inches in width, except tire fabrics, total [1]	**8,287,249**	**8,720,550**	**9,144,418**	**9,816,769**	**9,640,376**	**8,406,351**
Cotton duck	173,979	436,513	241,652	206,415	202,565	216,816
Narrow sheeting and allied coarse and medium yarn fabrics	1,585,034	2,234,890	2,232,578	2,368,084	2,016,813	1,764,965
Print-cloth yarn fabrics	2,999,356	2,810,429	2,883,996	3,229,025	3,456,936	3,158,320
Napped fabrics [2]	451,412	418,769	455,497	502,393	479,254	328,737
Colored yarn cotton goods and related fabrics	683,659	517,831	616,295	751,749	805,511	653,162
Fine cotton-goods (all combed or part-combed cotton fabrics, including fabrics having rayon or other synthetic fiber or silk decorations and fine carded goods)	1,036,206	[3] 1,142,301	[3] 1,275,542	[3] 1,312,582	[3] 1,294,387	[3] 1,009,935
Towels, toweling, washcloths, and terry-woven fabrics other than towels	482,641	352,632	414,613	408,606	367,103	349,788
Wide cotton fabrics	557,475	493,426	562,335	670,891	671,139	590,559
Specialties and all other fabrics	317,487	313,759	461,910	367,024	346,668	334,069

[1] All data for fabrics in the gray except 1939 blanket and blanketing data which are for finished fabrics.
[2] 1945, 1946, 1948, and 1949 data exclude 7,203,000 yards, 9,071,000 yards, 12,787,000 yards, and 10,172,000 yards respectively of blankets and blanketings, less than 25 percent wool, produced on woolen and worsted looms. For production of wool-and-cotton mixed blankets containing 25 to 98 percent wool, see table 940.
[3] Includes fabrics containing 51 percent or more cotton by weight, balance rayon.

Source: Department of Commerce, Bureau of the Census: 1939 and 1947 from Census of Manufactures; Facts for Industry Series M15-A.

No. 935.—Cotton and Rayon Woven Goods, Bleached, Dyed or Printed: 1943 to 1949

[In thousands of linear yards. Data cover bleaching, dyeing, and printing of cotton and rayon woven textiles]

PRODUCT	1943	1946	1947	1948	1949
Bleached, dyed or printed goods, total	9,034,432	8,648,290	8,915,147	8,840,437	8,308,297
Cotton	7,403,108	6,922,822	6,944,456	6,779,692	6,275,486
Rayon [1]	1,631,324	1,725,468	1,970,691	2,060,745	2,032,811
Bleached and white finished goods, total	3,900,383	3,578,225	3,814,867	3,529,268	2,983,439
Cotton	3,681,604	3,379,892	3,616,001	3,316,637	2,820,316
Rayon [1]	218,779	198,333	198,866	212,631	163,123
Plain dyed and finished goods, total	3,533,410	3,037,150	3,176,320	3,340,402	3,517,473
Cotton	2,479,416	1,871,852	1,757,386	1,819,096	1,964,887
Rayon [1]	1,053,994	1,165,298	1,418,934	1,521,306	1,552,586
Printed and finished goods, total [2]	1,600,639	2,032,915	1,923,960	1,970,767	1,807,385
Cotton	1,242,088	1,671,078	1,571,069	1,643,959	1,490,283
Rayon [1]	358,551	361,837	352,891	326,808	317,102

[1] Rayon fabrics are defined as fabrics containing 51 percent or more rayon by weight. Rayon means synthetic yarns made by viscose, cuprammonium and cellulose acetate processes. An unknown quantity of fabrics made from nylon and other synthetic fibers are also included in the rayon yardage.
[2] Includes roller, screen, flock and block printed fabrics.

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

No. 936.—Pyroxylin Spread, Shipments by Type of Goods, and Capacity: 1935 to 1948

[Based on monthly figures of processors who coat or impregnate fabrics or paper (except shade cloth) with soluble cotton or pyroxylin preparations, either separately or in combination with other materials. "Light" cotton fabrics include sheetings and print cloths; "Heavy" cotton fabrics include drills, ducks, sateens, broken twills, and moleskins]

[Quantity and value figures in thousands]

YEARLY AVERAGE OR YEAR	Number of establishments	Pyroxylin spread (pounds)	SHIPMENTS								Capacity (linear yards) [1]
			Light cotton fabrics		Heavy cotton fabrics		Custom coating		Nonfabric material [1]		
			Linear yards	Value	Linear yards	Value	Linear yards	Value	Linear yards	Value	
1935-39	21	58,851	33,828	$8,114	22,132	$11,865	(3)	(3)	--------	--------	87,851
1940	21	59,056	33,986	7,932	26,652	13,117	(3)	(3)	--------	--------	87,611
1941	21	82,331	48,112	12,450	30,945	20,420	(3)	(3)	--------	--------	87,443
1942	21	58,306	37,335	11,510	28,297	16,426	(3)	(3)	--------	--------	87,515
1943	21	49,444	34,311	8,186	25,464	15,577	(3)	(3)	--------	--------	94,415
1944	21	54,882	38,759	12,434	26,747	15,496	(3)	(3)	--------	--------	97,759
											(pounds)
1945	29	59,941	34,532	11,355	17,453	11,825	[4] 22,532	[4] $4,928	2,378	$592	[5] 185,526
1946	28	79,209	48,336	19,862	27,554	21,303	[4] 23,692	[4] 6,508	4,762	1,716	[5] 202,724
1947 [6]	45	72,106	38,407	20,408	30,923	29,421	23,234	5,485	6,243	3,275	[5] 218,332
1948 [6]	45	53,265	28,211	16,121	19,926	19,537	17,370	2,874	4,144	2,166	[5] 230,213

[1] Data not collected prior to January 1945.
[2] Based on maximum quantity of 1.27 to 1.30 sateen coated to a finished weight of 17½ ounces per linear yard, in a month of 350 working hours.
[3] Data for "Custom coating" included with "Light cotton fabrics" and "Heavy cotton fabrics."
[4] Data for "Fabrics other than cotton" included with "Custom coating" to avoid disclosing data for individual establishments.
[5] Based on all machines suitable for pyroxylin coating, assuming 600 working hours per month and entire production on 53"—1.32 sateen coated to a finished weight of 17½ ounces per linear yard assuming 40 percent solids. No comparative data available from 1935 to 1944.
[6] Data for 1947 and 1948 represent more complete coverage than obtained in prior years. Pyroxylin spread in 1947, on a basis comparable to prior years, amounted to 66,158,000 pounds.

Source: Department of Commerce, Bureau of the Census; 1935-46, Facts for Industry Series M15F; 1947, reports of Census of Manufactures; 1948, compiled with assistance of Plastic Coating and Film Association.

No. 937.—Rayon Broad Woven Fabrics—Production, by Type: 1945 to 1949

[Data cover production of rayon broad woven fabrics containing by weight 51 percent or more rayon. Fabrics containing 25 percent or more wool by weight, however, are classed as woolen mixtures and are not included]

[In thousands of linear yards]

PRODUCT	1945	1946	1947	1948	1949
Rayon broad woven fabrics, total [1]	**1,552,105**	**1,713,364**	**1,976,835**	**2,180,890**	**1,929,621**
100 percent filament rayon fabrics, total	**1,028,708**	**1,048,965**	**1,236,805**	**1,350,923**	**1,271,129**
Flat fabrics, total	599,655	555,187	652,252	733,608	736,646
Bright viscose taffetas	44,266	46,426	50,828	50,084	35,476
Pigment viscose taffetas	76,349	76,625	103,706	138,517	126,703
Acetate taffetas	85,721	77,712	76,516	116,050	159,133
Cross-dyed taffetas	21,800	23,031	13,281	12,163	11,609
Rayon parachute fabrics	62,023	(2)	(2)	(2)	(2)
Jersey weaves	5,998	9,867	5,559	(2)	(2)
Sand weaves	15,267	(2)	(2)	(2)	(2)
Sharkskins	(2)	9,311	15,530	13,988	10,017
Twills and serges	104,487	129,266	169,325	172,257	157,630
Viscose satins	16,875	16,280	26,331	23,685	27,595
Acetate satins	113,167	114,973	142,254	153,839	157,515
All other flat fabrics	53,702	51,696	48,922	53,025	50,968
Twisted yarn fabrics, total	429,053	493,778	584,553	617,315	534,483
Crepe satins	21,029	25,675	28,258	28,044	19,679
Flat crepes	30,965	87,735	111,964	139,313	148,553
Faille	31,044				
Canton crepes	9,828				
French crepes	84,905	98,235	119,856	127,282	119,469
Plied yarn fabrics, plain weave	135,438	83,220	118,393	136,537	79,780
Plied yarn fabrics, fancy weave		52,873	46,422	34,893	8,345
Marquisettes	44,237	55,417	57,959	52,144	79,380
Ninons and voiles	38,012	41,445	39,082	33,532	26,711
Other sheers (georgettes, triple sheers, etc.)	33,595	37,832	49,896	54,123	43,711
All other twisted yarn fabrics	(2)	11,346	12,723	11,447	8,855
100 percent spun rayon fabrics, total	**161,996**	**191,606**	**332,451**	**379,679**	**322,945**
Twills (including serges, gabardines, etc.)	76,130	33,923	86,429	117,694	161,457
Ribbed and corded fabrics (poplins, bedford cord, etc.)		3,450	(3)	1,950	4,513
Challis		18,700	59,974	31,820	32,096
Linen type flakes	25,385	22,825	25,672	33,690	11,742
Plied yarn fabrics	21,409	49,326	55,860	53,888	30,911
All other 100 percent spun rayon fabrics	39,072	63,382	104,516	140,637	82,226
Combination filament and spun rayon fabrics, total	**159,100**	**172,609**	**178,982**	**254,700**	**176,819**
Poplins and failles	34,323	[4] 62,999	[4] 67,350	92,955	63,959
Shantungs	23,024	22,111	23,750	34,111	17,025
Fujis	61,137	65,832	66,440	52,975	27,025
All other filament and spun rayon	40,616	21,667	21,442	74,659	68,810
Pile, upholstery, drapery, tapestry, and tie fabrics, total [5]	**31,842**	**46,398**	**57,060**	**40,750**	**33,343**
Velvets, plushes and other pile fabrics	8,134	9,535	14,587	11,417	9,378
Upholstery, drapery, and tapestry fabrics	5,042	15,962	21,273	11,964	9,196
Yarn-dyed tie fabrics	18,666	14,394	13,282	9,246	8,951
Non-yarn-dyed tie fabrics		6,507	7,918	8,123	5,818
All other rayon mixtures, total	**170,459**	**253,786**	**171,537**	**154,838**	**125,385**
Rayon and wool	27,921	39,225	33,038	31,080	24,811
Filament rayon and cotton	97,621	81,744	55,279	61,262	54,909
Spun rayon and cotton		83,812	48,360	38,735	20,126
Rayon and other fibers	44,917	49,005	34,860	23,761	25,539
Silk, nylon, glass, and other fabrics, total [6]	**67,368**	**61,829**	**61,673**	**82,017**	**136,582**
100 percent nylon fabrics	43,382	21,539	21,881	32,654	87,399
100 percent silk fabrics	1,891	[7] 9,533	9,986	17,934	15,532
Other woven fabrics, not classified above	22,095	30,757	29,806	31,429	33,651

[1] Includes estimated production for a few mills not reporting; estimates distributed by fabric classification.
[2] Included in "All other flat fabrics."
[3] Included with "All other 100 percent spun rayon fabrics" to avoid disclosing data for individual establishments.
[4] Includes bengalines, etc.
[5] Fabrics containing 51 percent or more rayon by weight, without separation as to type of yarn used; includes filament rayon, spun rayon and mixtures of rayon and other fiber.
[6] Includes fabrics made of casein, other synthetic fibers and mixtures of rayon and other fibers containing less than 51 percent of rayon.
[7] Includes small amount of silk mixtures.

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

No. 938.—Wool Manufacturing Equipment, by Type: 1899 to 1947

[Represents equipment in possession of wool manufacturing establishments, regardless of condition. 1943 data based on reports of machinery "in place," and include estimates of number in possession but not in place. Data for 1899, 1914, and 1929 exclude mills whose product was valued at less than $500 in 1899 and 1914, and less than $5,000 in 1929; 1943 and 1947 include all mills, regardless of size]

TYPE	1899	1914	1929	1943	1947
Rag pickers [1]	(2)	1,769	1,495	1,346	----------
Garnetts [1]	(2)	413	437	577	----------
Cards (sets), except shoddy cards	(2)	(2)	8,831	7,172	----------
Woolen	7,766	6,819	6,610	5,247	----------
Worsted [1]	(2)	(2)	2,221	1,925	----------
Combs	1,451	2,425	2,661	2,613	2,523
Spinning spindles, total	3,220,792	4,307,365	4,859,608	3,642,902	3,022,872
Woolen [1]	2,225,893	2,079,626	2,303,207	1,661,818	1,166,042
Worsted	994,899	2,227,739	2,547,401	1,981,084	1,856,830
Twisting spindles, total [1]	442,672	876,783	917,146	798,220	----------
Woolen	98,252	91,792	95,778	144,030	----------
Worsted	344,420	784,991	821,368	654,190	----------
Looms, except carpet and rug [3]	63,204	76,789	69,554	43,210	35,448
Carpet and rug looms	9,796	9,821	10,267	6,557	5,683

[1] Data for 1899, 1914, and 1929 include estimates to provide for these machines in knitting mills. 1929 data also include estimates on number of woolen spinning spindles and worsted cards in knitting mills.
[2] Data not available.
[3] 1943 and other years not strictly comparable. Census of Manufactures for 1899, 1914, 1929, and 1947 called for a report on looms from those mills whose principal products were wool and hair goods while 1943 inquiry covered all mills consuming weaving yarns spun on woolen or worsted spinning spindles. Includes pile fabric looms conforming with these definitions.

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

No. 939.—Wool Manufacturing Equipment in Place, 1943 to 1949, and by Region and State, 1943

[Machinery in place is that which is set up in operating position]

YEAR, REGION, AND STATE	Worsted combs	Woolen spinning spindles	Worsted spinning spindles	Woolen and worsted looms	WOOL CARPET AND RUG LOOMS	
					Broad	Narrow
United States, 1943	2,582	1,653,550	1,957,593	42,213	2,422	3,488
United States, 1947	2,656	1,561,198	1,920,542	38,572	2,329	3,354
United States, 1948	2,679	1,535,127	1,863,335	38,146	2,359	3,209
United States, 1949	2,715	1,439,278	1,834,595	37,612	2,303	2,901
1943						
United States	**2,582**	**1,653,550**	**1,957,593**	**42,213**	**2,422**	**3,488**
New England	1,804	855,471	1,390,135	25,699	340	669
Connecticut	(1)	127,664	15,192	2,588	(1)	(1)
Maine	(1)	152,343	96,312	3,466	----------	(1)
Massachusetts	1,141	336,318	698,381	10,781	(1)	(1)
New Hampshire	(1)	122,071	62,864	2,610	----------	----------
Rhode Island	560	74,962	497,050	5,336	----------	----------
Vermont	----------	42,113	20,336	918	----------	----------
Middle Atlantic	672	414,504	454,330	9,548	1,886	2,577
New Jersey	405	66,965	156,434	2,597	193	291
New York	61	206,966	82,144	2,371	1,216	1,278
Pennsylvania	206	140,573	215,752	4,580	477	1,008
Southern [2]	----------	192,654	58,312	3,557	196	242
North Central [3]	106	160,245	43,436	2,658	----------	----------
Western [4]	----------	30,676	11,380	751	----------	----------

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

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

No. 940.—Woolen and Worsted Fabrics—Production, by Kind: 1939 to 1949

[Woolen and worsted woven goods defined as fabrics containing by weight 25 percent or more wool fiber produced on woolen and worsted looms]

PRODUCT	1939	1945	1946	1947	1948	1949
	Thousands of linear yards [1]					
Woven goods (except woven felt)	371,848	493,431	603,718	500,478	497,561	418,481
Apparel fabrics [2]	321,008	401,434	524,286	436,532	434,348	356,134
Men's wear	178,856	204,191	228,114			
Men's wear suitings and pantings	149,788	151,123	188,098			
Men's wear shirtings	1,880	25,227	18,313			
Men's wear overcoatings and topcoatings	27,188	27,841	21,703			
Women's and children's wear	107,080	141,443	234,921			
Weighing up to 8.9 ounces	(3)	21,992	42,872			
Weighing 9–12.9 ounces	(3)	78,151	127,477	(4)	(4)	(4)
Weighing over 13 ounces	(3)	41,300	64,572			
General use fabrics	25,668	48,100	51,627			
Melton, mackinaw, snow and ski suit cloths	[5] 8,892	17,278	17,933			
Linings and interlinings	6,204	23,662	20,188			
Bathrobe flannels	10,572	7,160	13,506			
Other apparel fabrics	9,404	7,700	9,624			
Nonapparel fabrics (except woven felts)	50,840	91,997	79,432	63,946	63,213	62,347
Blankets	19,576	80,167	48,457	31,571	21,422	24,096
98 percent or more wool or similar animal fibers	(3)	52,894	18,494			
50 percent but less than 98 percent wool or similar animal fibers	(3)	7,778	10,775	(4)	(4)	(4)
25 percent but less than 50 percent wool or similar animal fibers	(3)	19,495	19,188			
Drapery and upholstery fabrics	5,088	7,817	28,631	28,932	33,845	31,128
Other nonapparel	25,576	4,013	2,344	3,443	7,946	7,123
	Thousands of pounds					
Papermakers' felts	5,164	5,819	6,590	7,238	7,186	5,878
Other woven felts	1,576	3,182	3,331	3,481	3,138	2,537

[1] Measure used in 1939 was square yards; data converted to a 54-inch linear yard measure, excepting blankets which have been converted to a 72-inch linear yard measure. Data for 1945–47 on narrow fabrics converted by reporting companies to a 54-inch linear yard measure (72-inch for blankets).
[2] Includes data for military fabrics reported by types. Estimates as to end use classification made on less than 15 percent of total quantity of apparel fabrics.
[3] Data not available.
[4] Data not collected on same basis.
[5] An unknown quantity of these fabrics included in women's and children's wear.

Source: Department of Commerce, Bureau of the Census; 1939 and 1947 from Census of Manufactures; Facts for Industry Series M15H.

No. 941.—Knit Goods: Cloth, Underwear, and Outerwear—Production by Type: 1947, 1948, and 1949

PRODUCT	Unit	1947	1948	1949
Knit cloth for sale, total	Million pounds	152.6	(1)	147.8
Warp knit fabrics	do	41.5		42.0
Circular knit fabrics	do	111.1		104.0
Knit underwear and nightwear:				
Made from warp knit fabrics, all fibers	Thousand dozens	7,708	9,129	14,050
Made from circular knit fabrics:				
Rayon, silk, and synthetics	do	10,932	11,377	12,972
Cotton and wool	do	40,557	(1)	36,733
Knit outerwear:				
Sweaters, jackets, and jerseys	do	6,677	7,946	6,924
Bathing suits and trunks	do	500	331	362
Knit headwear and neckwear	do	1,556	1,515	1,460

[1] Not available.

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

No. 942.—Women's, Misses', and Juniors' Outerwear: 1939 to 1949

TYPE OF GARMENT	Unit of measure	GARMENTS CUT			
		1939	1947	1948	1949
Women's and misses' blouses	Thousand dozens	2,886	7,496	7,851	9,320
Women's and misses' unit price dresses	Thousand units	194,383	127,791	134,951	147,023
Women's and misses' dozen price dresses	do		75,456	92,088	105,936
Women's and misses' suits	do	4,237	14,352	14,963	15,643
Women's and misses' skirts	Thousand dozens	1,084	2,020	2,907	3,691
Women's and misses' untrimmed coats	Thousand units	17,428	18,956	22,936	22,022
Women's and misses' fur-trimmed coats	do		1,924	2,638	1,927

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

No. 943.—Men's and Boys' Clothing—Selected Garments Cut: 1937 to 1949

[Leaders indicate comparable data not available]

TYPE OF GARMENT	Unit	1937	1939	1947	1948	1949 [1]
Suits	Thousand units	23,743	27,354	28,882	26,050	--------
Men's and youths'	do	20,733	24,737	26,428	23,412	18,692
Boys'	do	3,010	2,617	2,454	2,638	--------
Separate trousers	do	--------	--------	60,905	53,230	--------
Separate coats	do	--------	--------	5,286	6,272	--------
Men's and youths'	do	--------	--------	4,760	5,302	--------
Boys'	do	--------	--------	526	970	--------
Dress and sport shirts, men's and youths'	Thousand dozens	[2] 12,027	13,362	17,042	16,461	15,858
Overalls	do	4,114	3,973	6,807	7,271	--------
Men's and youths'	do	--------	--------	4,241	4,270	4,277
Boys'	do	--------	--------	2,566	3,001	--------
Work shirts (includes flannel)	do	6,062	6,850	5,815	5,113	--------
Men's and youths'	do	--------	--------	4,959	4,648	5,058
Boys'	do	--------	--------	856	465	--------

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

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

No. 944.—Hosiery—Production, by Type: 1944 to 1949

[Thousands of dozens of pairs]

TYPE	1944	1945	1946	1947	1948	1949
Total, all types	141,435	135,841	157,383	149,545	147,027	144,512
Women's full-fashioned, total	36,595	34,740	40,323	38,875	44,706	45,228
Silk	7	(1)	1,989	1,098	403	313
Nylon	2	3,056	26,397	33,494	42,867	44,569
Rayon	36,293	31,444	11,401	3,919	1,239	187
Cotton	210	162	347	300	143	134
All other yarns	83	78	189	64	54	25
Seamless, total (including men's full-fashioned)	104,840	101,100	117,060	110,669	102,321	99,284
Women's seamless, total	9,462	7,420	9,832	11,246	8,517	7,695
Silk				3	42	25
Nylon		216	2,692	3,843	3,796	3,636
Rayon	5,226	3,972	3,819	3,084	1,638	1,476
Cotton	3,146	2,474	2,549	3,318	2,373	2,231
Wool	163	77	105	105	108	77
Ribbed hose	927	681	667	893	560	256
Men's full-fashioned	99	118	171	129	105	70
Men's seamless half-hose	36,204	35,030	26,734	24,662	16,131	14,430
Silk	1		69	19	21	8
Nylon		6	230	450	295	484
Rayon	9,124	8,180	8,566	8,634	6,140	4,375
Cotton	15,914	14,875	13,182	12,156	7,953	7,557
Wool	11,165	11,969	4,687	3,401	1,722	2,006
Men's slack socks	12,608	13,564	21,885	21,911	25,939	26,507
Silk	(2)	(2)	40	49	33	4
Nylon	(2)	(2)	140	648	828	2,280
Rayon	(2)	(2)	6,491	8,143	9,444	6,756
Cotton	(2)	(2)	12,007	11,657	14,609	16,457
Wool	(2)	(2)	3,206	1,414	1,025	1,010
Cotton bundle goods	5,902	5,248	5,216	5,627	6,077	5,311
Woolen bundle goods	3,267	3,704	2,104	1,830	1,747	1,642
Athletic socks	1,192	847	2,302	1,610	1,806	2,108
Crew socks	(3)	(3)	3,528	3,239	2,785	2,994
Children's and infants'	5,224	6,281	8,150	8,221	8,408	8,563
Anklets, total	30,832	28,888	37,138	32,195	30,806	29,964
Misses' and women's	20,637	18,816	25,012	16,680	13,449	14,099
Men's and boys'	1,952	1,986	3,015	3,673	3,382	3,245
Children's	(2)	(2)	(2)	5,809	6,750	6,690
Infants'	8,294	8,085	9,111	6,033	7,225	5,930

[1] Less than 500 dozens.
[2] Not available.
[3] Included with men's slack socks.

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

No. 945.—Shoes and Slippers (except Rubber Footwear)—Production by Class: 1939 to 1949

[Thousands of pairs]

CLASS	1939	1947	1948 [1]	1949
Total	435,259	484,964	462,320	473,005
Dress and work shoes	361,578	398,084	347,281	336,460
Men's dress, including moccasin type dress shoes	76,637	84,957	76,761	70,862
Men's work, including moccasins	28,125	21,786	27,423	25,955
Youths' and boys'	17,316	19,820	17,165	16,674
Women's, including sandal type dress shoes	168,777	182,816	140,266	141,921
Misses', including sandal type dress shoes	46,091	27,026	26,354	25,349
Children's		26,262	24,378	22,264
Infants'	24,632	20,906	20,193	20,196
Babies'		14,502	14,741	13,239
Slippers for housewear	49,663	47,652	42,700	54,376
Athletic shoes	4,144	4,233	3,773	3,193
Play shoes	19,874	31,830	65,955	76,155
Footwear, not specified by kind		3,156	2,611	2,821

[1] Includes establishments accounting for about 96 percent of total output.

Source: Department of Commerce, Bureau of the Census; 1939 and 1947, Census of Manufactures reports; 1948 and 1949, Facts for Industry Series M68A.

No. 946.—Printing and Publishing—Receipts: 1937 to 1947

[For number and circulation of newspapers and periodicals, see table 546]

CLASS	VALUE (THOUSANDS OF DOLLARS)		
	1937	1939	1947
Aggregate value and receipts [1]	**2,303,178**	**2,309,062**	**5,711,872**
Newspapers and periodicals published	1,269,523	1,254,714	2,837,861
Newspapers	861,688	845,687	1,792,338
Subscriptions and sales	287,508	306,192	599,925
Advertising	574,180	539,495	1,192,413
Periodicals	407,835	409,027	1,045,523
Subscriptions and sales	171,961	184,572	419,782
Advertising	235,874	224,455	625,741
Books and pamphlets [1]	239,128	254,987	608,792
Books published	159,868	149,380	435,134
Pamphlets published	8,389	15,000	20,656
Printed for publication by others [1]	70,871	90,607	153,002
Greeting cards [1]	[2] 32,637	44,286	129,267
Publishers' sales	(3)	28,314	107,716
Printed for others [1]	(3)	15,972	21,551
Miscellaneous publishing [4]	(3)	(3)	123,474
Newspapers, ready prints and periodicals printed for others [1]	85,070	102,586	299,424
Letterpress	83,145	89,458	258,740
Lithographing	1,925	1,355	9,384
Engraving and plate printing			279
Gravure	(5)	11,773	31,021
Other printing	676,820	652,489	1,713,054
Letterpress	501,996	488,129	1,176,552
Lithographing	128,626	144,616	456,092
Engraving and plate printing	27,595	13,850	49,060
Gravure	18,603	5,894	31,350

[1] The inclusion of "Books and pamphlets printed for publication by others," "Greeting cards printed for others," "Newspapers, ready prints and periodicals printed for others," etc., results in duplication in the aggregate value and receipts, as follows: 1937, $158,466,000; 1939, $201,627,000; 1947, $482,292,000. (No separate data available for greeting cards for 1937.) These amounts represent receipts by commercial printers for work done by them for other printers or for publishers, and consequently enter twice into the aggregate value and receipts.

[2] Includes souvenir cards.

[3] No data.

[4] Includes publication of picture postcards, souvenir cards, sheet music, bluebooks, directories, catalogs, maps, atlases, globe covers, shopping news, and business service publications.

[5] Included with "Other printing, gravure."

Source: Department of Commerce, Bureau of the Census; reports of Census of Manufactures.

No. 947.—Chemicals—Production, by Kind, 1939 to 1949

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

CHEMICAL AND BASIS	Unit	1939	1946	1947	1948 [1]	1949 [1]
Ammonia, synthetic anhydrous	Short tons	310,822	[2] 725,537	1,117,212	1,089,786	1,294,057
Ammonium nitrate, original solution ($100\%NH_4NO_3$).	do	(3)	724,899	1,047,792	988,342	1,018,706
Ammonium sulfate, synthetic (technical) [4]	M pounds	(3)	313,306	394,053	390,878	1,078,185
Calcium arsenate ($100\%Ca_3(AsO_4)_2$)	do	[5] 41,349	35,392	47,187	(6)	(6)
Calcium carbide (commercial)	Short tons	(3)	570,138	608,337	682,934	605,356
Calcium phosphate:						
Monobasic ($100\%CaH_4(PO_4)_2$)	M pounds	74,076	74,986	71,734	72,529	(3)
Dibasic ($100\%CaHPO_4$)	do	(3)	71,587	77,537	88,291	(3)
Carbon, activated [7]	do	32,336	65,102	71,097	66,031	67,115
Carbon dioxide:						
Liquid and gas	do	(3)	217,241	243,880	244,084	254,160
Solid (dry ice)	do	356,894	644,699	723,165	758,818	807,581
Chlorine, gas	Short tons	514,401	1,165,126	1,446,865	1,621,031	1,766,598
Chrome green (C. P.)	M pounds	10,029	17,871	13,982	12,672	10,255
Chrome yellow and orange (C. P.)	do	[8] 38,933	43,122	48,972	49,481	36,319
Hydrochloric acid ($100\%HCl$)	Short tons	123,831	341,580	425,105	443,651	483,363
Hydrofluoric acid, anhydrous and technical ($100\%H_2F_2$).	M pounds	14,842	42,921	55,182	67,736	55,673
Hydrogen	Mil. cu. ft	(3)	17,605	21,936	27,840	29,510
Lead arsenate (acid and basic)	M pounds	59,569	56,667	30,187	(6)	(6)
Methanol (natural) ($100\%CH_3OH$)	M gallons	4,005	2,306	2,525	2,380	2,030
Molybdate chrome orange (C. P.)	M pounds	(3)	4,896	4,456	5,800	5,285
Nitric acid ($100\%HNO_3$)	Short tons	167,740	573,827	1,190,060	1,132,819	1,129,521
Oxygen	Mil. cu. ft	(3)	10,868	13,793	15,948	14,466
Phosphoric acid:						
Total ($50\%H_3PO_4$)	Short tons	(3)	894,615	1,038,414	1,215,937	1,327,847
From phosphorus ($50\%H_3PO_4$)	do	(3)	440,056	555,176	606,251	730,751
From phosphate rock ($50\%H_3PO_4$)	do	(3)	454,559	483,238	609,686	597,096
Silver nitrate ($100\%AgNO_3$)	M ounces	(3)	47,857	40,232	50,894	41,025
Soda ash (commercial sodium carbonate):						
Ammonia soda process—						
Total wet and dry ($98-100\%Na_2CO_3$) [9]	Short tons	2,826,000	4,284,231	4,519,144	4,575,452	3,916,016
Finished light ($98-100\%Na_2CO_3$) [10]	do	----------	2,079,959	2,194,395	[2] 317,575	2,051,405
Finished dense ($98-100\%Na_2CO_3$)	do	----------	1,546,746	1,641,452	1,534,730	1,324,924
Natural (Na_2CO_3 equivalent) [11]	do	121,858	209,411	281,132	297,474	203,264
Sodium bicarbonate (refined) ($100\%NaHCO_3$).	do	[12] 150,913	188,945	181,145	160,915	153,787
Sodium bichromate and chromate	do	58,164	85,490	87,874	95,975	75,656
Sodium hydroxide (caustic soda): [13]						
Electrolytic process—						
Liquid ($100\%NaOH$)	do	512,492	1,129,956	1,386,995	1,587,831	1,656,492
Solid ($100\%NaOH$)	do	----------	192,952	247,257	303,971	257,418
Lime—soda process—						
Liquid ($100\%NaOH$)	do	532,914	742,932	747,247	769,697	566,230
Solid ($100\%NaOH$)	do	----------	226,349	244,992	256,951	169,086
Sodium phosphate:						
Monobasic ($100\%NaH_2PO_4$)	do	(3)	11,961	14,214	12,344	12,722
Dibasic ($100\%Na_2HPO_4$)	do	32,382	59,328	83,340	86,455	129,041
Tribasic ($100\%Na_3PO_4$)	do	116,731	94,963	89,055	80,198	70,367
Meta ($100\%NaPO_3$)	do	(3)	26,088	30,662	35,045	27,823
Tetra ($100\%Na_4P_2O_7$)	do	48,691	52,149	56,169	66,369	78,376
Sodium silicate (soluble silicate glass, liquid and solid) (anhydrous).	do	(3)	412,357	478,747	486,313	446,202
Sodium sulfate:						
Anhydrous (refined) ($100\%Na_2SO_4$)	do	(3)	122,573	135,088	169,018	136,276
Glauber's salt ($100\%Na_2SO_4.10H_2O$) [11]	do	(3)	167,153	197,963	183,630	152,878
Salt cake (crude) (commercial) [11]	do	(3)	527,746	627,331	656,438	537,843

For footnotes, see next page.

No. 947.—Chemicals—Production, by Kind, 1939 to 1949—Continued

CHEMICAL AND BASIS	Unit	1939	1946	1947	1948 [1]	1949 [1]
Sulfuric acid:						
Gross (100% H_2SO_4) [14]	Short tons	4,795,003	9,319,652	10,574,941	11,014,364	10,884,761
Chamber process (100% H_2SO_4)	do	2,120,963	3,099,016	3,325,887	3,045,883	2,668,626
Contact process (gross) (100% H_2SO_4) [14]	do	2,674,040	6,220,636	7,249,054	7,968,481	8,216,135
Contact process (new) (100% H_2SO_4) [14]	do	----------	5,676,232	6,632,711	7,249,468	7,511,228
Fortified spent acid (100% H_2SO_4)	do	----------	544,404	616,343	719,013	704,907
Zinc yellow (zinc chromate) (C. P.)	do	----------	----------	3,378	4,752	5,252

[1] Preliminary.
[2] Includes data for small amount of aqua ammonia reported by 1 company.
[3] No comparable data.
[4] Excludes byproduct coke-oven production. The 1949 data include 53,870,000 pounds of synthetic ammonium sulfate produced in coke plants.
[5] Proportion of estimate, 5 percent.
[6] Not shown separately to avoid disclosure of individual operations.
[7] Includes data for deodorizing, decolorizing, and water purification grades. Data for gas-mask solvent recovery grades excluded.
[8] Includes data for molybdate chrome orange.
[9] Includes quantities diverted to manufacture of caustic soda and sodium bicarbonate and quantities processed to finished light and finished dense soda ash.
[10] Excludes quantities converted to finished dense soda ash.
[11] Collected in cooperation with Bureau of Mines.
[12] Proportion of estimate, 3 percent or less.
[13] Liquid production figures represent total production for each process, including quantities later evaporated to solid caustic and reported as such.
[14] Includes sulfuric acid of oleum grades.

Source: Department of Commerce, Bureau of the Census; 1939 from Census of Manufactures; 1946–49 compiled from manufacturers' reports and published in Facts for Industry Series M19A. Monthly data published currently.

No. 948.—Synthetic Organic Chemicals—Production and Sales, by Group: 1947 and 1948

GROUP	1947			1948		
	Production (1,000 lbs.)	Sales (1,000 lbs.)	Sales value ($1,000)	Production (1,000 lbs.)	Sales (1,000 lbs.) [1]	Sales value ($1,000) [1]
ORGANIC CHEMICALS, CYCLIC						
Intermediates	2,623,118	1,445,732	189,314	2,877,761	1,136,271	182,353
Finished products	2,468,297	2,346,080	934,677	2,681,731	2,222,535	935,534
Dyes	212,307	205,210	148,154	201,376	186,782	163,833
Color index	172,803	166,764	94,368	151,967	142,841	95,575
Prototype	21,439	21,398	31,205	27,513	23,933	38,306
Ungrouped	18,065	17,048	22,581	21,896	20,008	29,952
Color lakes and toners	37,898	34,774	38,240	40,880	34,300	39,181
Medicinals	42,841	36,439	218,265	36,345	32,833	232,252
Flavor and perfume materials	14,605	12,168	17,764	15,445	12,536	16,713
Plastics and resin materials	737,714	662,284	188,688	922,993	748,944	185,763
Rubber processing chemicals	85,830	74,353	31,008	81,851	60,331	26,998
Elastomers (synthetic rubbers)	915,995	964,292	179,449	882,292	749,938	138,738
Miscellaneous [2]	421,107	356,560	113,109	500,549	396,871	132,056
ORGANIC CHEMICALS, ACYCLIC						
Intermediates and finished products	10,818,165	6,205,656	1,077,106	12,890,946	6,111,447	1,031,667
Medicinals	6,815	5,148	14,981	7,290	5,407	15,419
Flavor and perfume materials	6,274	5,728	8,298	6,748	6,481	9,997
Plastics and resin materials	513,985	472,455	242,626	562,675	494,887	186,549
Rubber-processing chemicals	14,892	14,225	11,594	14,164	11,300	9,392
Elastomers (synthetic rubbers)	287,243	295,100	81,972	290,634	294,179	97,652
Miscellaneous [2]	9,988,956	5,413,000	717,635	12,009,435	5,299,133	712,658

[1] Not strictly comparable with 1947 and earlier years since 1948 exclude quantity and value of interplant transfers.
[2] Includes plasticizers and surface-active agents.

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

No. 949.—Industrial Explosives Manufactured and Sold in the United States: 1925 to 1948

[In thousands of pounds. Excludes exports]

Year	Total	Permissible explosives [1]	High explosives other than permissible	Black blasting powder: Granular	Black blasting powder: Pellet
1925	501,752	58,353	286,435	[2] 156,964	(2)
1926	535,890	67,685	310,518	[2] 157,687	(2)
1927	499,011	63,847	303,468	[2] 131,696	(2)
1928	475,251	60,708	292,785	98,004	23,754
1929	509,708	62,669	326,993	86,818	33,227
1930	445,090	53,826	291,391	63,139	36,735
1931	337,565	41,578	216,157	46,300	33,530
1932	233,887	32,225	137,908	35,793	27,961
1933	255,987	33,927	157,849	33,887	30,323
1934	314,768	39,208	206,625	37,193	31,742
1935	308,381	39,170	200,324	34,223	34,665
1936	391,605	47,859	262,047	40,420	41,278
1937	404,744	49,579	288,924	29,837	36,404
1938	332,130	41,859	238,576	23,552	28,143
1939	386,438	49,950	278,250	28,322	29,915
1940	423,369	58,436	305,180	29,084	30,670
1941	481,927	70,612	351,857	27,882	31,576
1942	499,255	84,022	359,699	24,167	31,367
1943	477,651	92,656	338,573	19,814	26,608
1944	464,111	102,538	318,613	16,282	26,677
1945	457,311	97,407	322,956	12,303	24,644
1946	536,315	100,258	399,233	13,539	23,285
1947	[3] 651,391	122,349	476,017	9,837	26,627
1948	[3] 725,227	126,282	550,086	8,236	25,004

Use	Total	Permissible explosives [1]	High explosives other than permissible	Black blasting powder
1947	651,391	122,349	476,017	36,464
Coal mining	302,618	121,432	130,719	33,905
Metal mining	102,313	39	102,249	25
Quarrying and nonmetallic mineral mining	111,374	703	109,118	1,554
Railway and other construction work	113,256	126	112,642	489
All other purposes	21,829	49	21,288	492
1948	725,227	126,282	550,086	33,239
Coal mining	330,600	125,185	159,258	30,623
Metal mining	116,010	56	115,909	46
Quarrying and nonmetallic mineral mining	125,762	823	123,135	1,717
Railway and other construction work	132,326	138	131,774	414
All other purposes	20,529	80	20,010	439

[1] Represents type of high explosives approved by Bureau of Mines as suitable for safe use in coal mines provided specifications of use are followed.
[2] Pellet powder (first manufactured for general sale in 1925) included with granular powder.
[3] Includes 16,562,000 liquid oxygen explosive in 1947, and 15,620,000 in 1948.

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

No. 950.—Asphalt and Tar Roofing and Siding Products—Shipments: 1933 to 1949

Product and unit of measure	1933	1938	1943	1944	1945	1946	1947	1948	1949
Asphalt roofing, total 1,000 squares	24,737	34,610	51,349	48,889	49,157	60,864	71,461	59,939	52,858
Smooth-surfaced do	13,838	15,027	19,236	16,336	15,832	19,421	22,482	16,344	13,119
Mineral-surfaced do	5,685	8,799	16,688	14,337	13,532	13,717	16,357	13,569	12,587
Strip shingles do	4,223	9,054	13,014	15,426	16,924	24,505	28,569	26,216	23,854
Individual shingles do	991	1,730	2,411	2,790	2,869	3,221	4,053	3,810	3,298
Asphalt sidings, total do	(1)	[2] 590	2,338	4,148	4,254	4,954	4,316	3,280	2,531
Roll form do	(1)	(1)	2,140	3,862	3,851	4,599	3,903	2,866	2,123
Shingle form do	(1)	(1)	198	286	403	355	413	414	408
Mineral-surfaced insulating board base siding 1,000 squares	(1)	(1)	1,012	1,725	1,885	2,444	3,686	2,560	2,235
Asphalt board products 1,000 sq. ft	(1)	(1)	(1)	73,929	91,564	70,092	86,086	31,932	32,243
Saturated felts, total tons of 2,000 lb	(1)	(1)	(1)	312,890	327,266	296,087	457,870	538,042	501,093
Asphalt do	(1)	(1)	(1)	264,092	273,179	223,978	354,291	448,751	421,915
Tar do	(1)	(1)	(1)	48,798	54,087	72,109	103,579	89,291	79,178
Saturated and coated sheathings, total tons of 2,000 lb	(1)	(1)	(1)	10,561	14,221	15,699	37,619	14,619	10,296
Asphalt do	(1)	(1)	(1)	8,476	11,881	(3)	(3)	(3)	(3)
Tar do	(1)	(1)	(1)	2,085	2,340	(3)	(3)	(3)	(2)

[1] Not available.
[2] Represents brick and all other types of siding.
[3] Not shown separately, to avoid disclosing operations of individual companies.

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

No. 951.—Rubber (Natural, Reclaimed, and Synthetic)—New Supply, Distribution, and Stocks: 1942 to 1949

[In tons of 2,240 pounds. Natural rubber refers to dry weights of all types, including liquid latex, guayule, etc. Synthetic includes GR-S, Neoprene, Butyl, and Butadiene-Acrylonitrile; reclaimed includes natural rubber reclaims for 1942 and 1943 and both natural and synthetic rubber reclaims for 1944-49]

ITEM	1942	1943	1944	1945	1946	1947	1948	1949
New supply, total	591,094	591,109	1,142,138	1,209,761	1,444,034	1,489,544	1,506,102	1,295,753
Domestic production, total	307,548	536,072	1,023,367	1,064,218	1,035,650	800,097	755,204	617,719
Natural		359	130	536	12			
Reclaimed	285,114	303,991	260,607	243,309	295,612	291,395	266,861	224,029
Synthetic	22,434	231,722	762,630	820,373	740,026	508,702	488,343	393,690
Imports, total	283,546	55,037	118,771	145,543	408,384	689,447	750,898	678,034
Natural	282,653	54,970	107,704	135,136	400,675	688,354	735,227	660,792
Reclaimed	893	67	24	(1)				
Synthetic			11,043	10,407	7,709	1,093	15,671	17,242
Distribution, total	691,942	834,248	1,087,597	1,143,979	1,406,202	1,440,764	1,353,492	1,234,685
Domestic consumption, total	649,262	779,607	961,866	1,040,045	1,314,706	1 410,722	1,330,517	1,211,582
Natural	376,791	317,634	144,113	105,429	277,597	562,661	627,332	574,522
Reclaimed	254,820	291,082	251,083	241,036	275,410	288,395	261,113	222,679
Synthetic	17,651	170,891	566,670	693,580	761,699	559,666	442,072	414,381
Exports, total	42,680	54,641	125,731	103,934	91,496	30,042	22,975	23,103
Natural	10,856	20,815	9,665	6,743	4,338	4,101	6,673	6,253
Reclaimed	30,405	15,678	11,800	13,413	14,461	14,556	11,428	10,367
Synthetic [2]	1,419	18,148	104,266	83,778	72,697	11,385	4,874	6,483
Stocks, end of year, total [3]	469,858	233,090	287,514	350,324	387,926	227,347	289,304	232,936
Natural	422,714	139,594	93,650	118,715	237,467	129,038	141,541	106,619
Reclaimed	42,532	46,201	43,832	28,155	33,666	35,943	32,630	28,263
Synthetic [4]	4,612	47,295	150,032	203,454	116,793	62,366	115,133	98,054

[1] Less than 0.5 long tons.
[2] Allocations for export, 1942, actual exports begin with 1943.
[3] Differences between "new supply" and "distribution" not precisely comparable with "stocks" due to year-end and inventory adjustments.
[4] Includes stocks shipped for export which had not yet cleared port.

Source: 1942-46, Office of Temporary Controls, Civilian Production Administration, and predecessor agencies; published in Facts for Industry Series 26-1. 1947-49, Department of Commerce, Office of Domestic Commerce. Monthly data published in Survey of Current Business.

No. 952.—Leather—Production, by Principal Types of Raw Stock: 1937 to 1949

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

YEAR	Cattle hide	Calf and kip	Goat and kid	Sheep and lamb [1]	YEAR	Cattle hide	Calf and kip	Goat and kid	Sheep and lamb [1]
1937	22,380	12,027	46,554	34,232	1944	26,114	10,930	34,666	53,959
1938	19,047	12,991	31,905	28,941	1945	27,576	11,636	24,026	51,847
1939	22,095	14,027	40,419	39,384	1946	27,033	10,882	24,137	47,971
1940	21,013	11,387	37,697	37,920	1947	28,813	12,471	37,256	36,555
1941	28,099	13,098	45,355	51,865	1948	26,071	10,484	37,931	33,532
1942	30,822	12,264	41,122	53,634	1949	23,413	10,169	34,674	28,855
1943	25,656	11,112	37,351	59,315					

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

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

No. 953.—Leather Products, by Kind: 1939 and 1947

PRODUCT	PRODUCTION 1939	PRODUCTION 1947
CATTLE HIDE AND KIP SIDE LEATHERS	*1,000 lbs.*	*1,000 lbs.*
Grains:		
Sole leather	330,201	383,657
Vegetable tanned (backs, bends, sides)	241,338	218,428
Chrome or retan (backs, bends, sides)		20,003
Heads, bellies, shoulders, etc	[1] 88,863	145,226
Welting leather	7,933	7,270
Belting leather	(2)	16,722
Curried (butts, butt bends)	6,107	15,360
Shoulders	(3)	1,362
Mechanical leather (sides)	(2)	3,709
Harness leather (sides, backs)	7,668	5,385
Collar, skirting, lace, and latigo leather (sides)	9,414	6,930
	1,000 sq. ft.	*1,000 sq. ft.*
Bag, case, and strap leather (sides)	21,245	44,645
Upholstery leather—top grains and machine buffs (hides)	23,387	26,661
Upper leather, excluding patent (sides)	370,610	492,829
Patent leather (sides)	51,286	51,168
Glove leather, excluding athletic (sides)	10,633	10,025
Garment leather (sides)		13,018
Flat leather, handbag leather, and other fancy leather (sides)	3,962	10,609
Other	(2)	38,347
Finished splits (including deep buffs and buffings)	(2)	276,708
Bottom stock	(4)	51,404
Upper	39,330	51,901
Lining	[5] 138,186	79,542
Glove		55,493
Garment		6,041
Upholstery, incl. beef buffs	10,193	14,683
Other	(2)	17,644

PRODUCT	PRODUCTION 1939	PRODUCTION 1947
	1,000 sq. ft.	*1,000 sq. ft.*
Calf and whole kip leathers	156,214	128,296
Upper (skins)	133,470	119,994
Other [6]	22,744	8,302
Goat and kid leathers	210,916	180,626
Upper (skins)	153,829	148,001
Lining (skins)	54,274	25,962
Glove (skins)	2,123	------
Garment (skins)		820
Other	690	5,843
Cabretta	(2)	28,583
Upper (skins)	(7)	7,075
Glove (skins)	22,320	17,611
Garment (skins)		------
Other	(2)	3,897
Sheep and lamb leathers	(2)	283,193
Upper (skins)	[8] 15,773	12,615
Lining (skins)	87,238	114,065
Fancy (skins)	14,272	12,137
Glove (skins)	142,786	22,141
Garment (skins)		50,499
Skivers	31,371	24,034
Fleshers, including chamois	4,151	10,654
Textile and roller (skins)	3,755	4,761
Other	(2)	32,287
Shearlings (skins)	19,050	35,005
Horse, colt, mule, ass, and pony leathers	(2)	53,436
Sole	3,960	3,408
Upper	11,592	8,235
Glove	25,679	13,031
Garment		22,552
Other	(2)	6,210
Kangaroo and wallaby leather (skins)	5,529	8,853
Deer and elk leathers	7,648	7,590
Reptile leather	(2)	(2)
Aquatic leather	(2)	(2)
Pig and hog leathers, incl. peccary, carpincho, bacon rind and strips, etc	837	20,206
Other animals	(2)	2,668

[1] Includes belting leather, except belting butts-curried.
[2] Not available.
[3] Included with cattle hide and kip side sole leathers.
[4] Included with lining, glove, and garment finished splits.
[5] Includes bottom stock splits.
[6] Includes lining and fancy calf and whole kip leathers.
[7] Included with sheep and lamb upper leather.
[8] Includes cabretta upper leather.

Source: Department of Commerce, Bureau of the Census; 1947 Census of Manufactures reports.

No. 954.—Pressed and Blown Glassware—Quantity and Value of Shipments, by Class: 1948 and 1949

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

Class	Unit of measure	1948		1949	
		Quantity	Value ($1,000)	Quantity	Value ($1,000)
Shipments, total value			242,627		242,418
Tumblers, goblets, and other stemware	Thous. of doz	65,596	46,790	61,328	46,322
Cooking ware [1]	Thous. pieces	63,796	12,062	44,729	8,436
Ornamental, decorative, novelty glassware, and smokers' accessories, total.			12,280		11,212
Lighting glassware, total			63,299		76,956
Electric-light bulb blanks, electronic-tube blanks (including radio, x-ray, radar, and special tubes), and fluorescent tubes.			44,671		60,996
Bowls, all types			3,124		2,805
Enclosing globes, all types			3,206		2,953
Shades, reflectors, and torcheres			5,408		5,184
Railroad, marine, and traffic lighting glassware			1,859		1,045
Lamp chimneys	Thous. of doz	1,204	1,017	1,109	994
Lantern globes (oil and electric)	Thous. of doz	682	1,142	354	613
All other lighting glassware			2,872		2,366
All other pressed and blown glassware (except glass containers).[2]			108,196		99,492

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

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

No. 955.—Glass Containers—Direct Exports and Domestic Production and Shipments, by Kind: 1947, 1948, and 1949

[In thousand gross]

Item	1947		1948		1949	
	Production	Shipments	Production	Shipments	Production	Shipments
Total	115,344	110,170	98,679	97,333	90,767	89,827
Direct exports		4,489		3,369		2,377
Domestic production and shipments:						
Narrow-neck, total	74,843	68,026	63,029	58,746	56,210	53,637
Food	35,163	10,679	33,571	9,852	32,892	8,835
Medicinal and health supplies		11,422		11,822		11,659
Chemical, household, and industrial		5,367		5,729		5,989
Toiletries and cosmetics		4,870		4,931		5,172
Beverage, returnable	11,694	10,377	8,588	7,792	6,072	5,274
Beverage, nonreturnable			17	13	57	50
Beer, returnable	11,378	9,952	5,329	4,100	1,986	1,995
Beer, nonreturnable	3,375	3,039	3,820	3,565	3,014	3,001
Liquor	10,564	9,992	8,403	7,760	8,604	8,241
Wine	2,669	2,418	3,301	3,182	3,585	3,421
Wide-mouth, total	40,501	37,655	35,650	35,218	34,557	33,813
Food	32,261	24,591	28,683	22,937	28,253	22,086
Medicinal and health supplies		3,101		3,018		2,903
Chemical, household, and industrial		1,023		970		1,073
Toiletries and cosmetics		1,373		1,540		1,431
Dairy products	4,059	3,891	3,366	3,247	3,442	3,311
Fruit jars	2,350	2,003	2,010	1,937	1,430	1,647
Jelly glasses	214	171	184	180	114	116
Packers' tumblers	1,617	1,502	1,407	1,389	1,318	1,246

Source: Department of Commerce, Bureau of the Census; published in Facts for Industry Series M77C.

No. 956.—Refractories—Shipments: 1948 and 1949

Product	Unit of measure	1948 Quantity	1948 Value f. o. b. plant	1949 Quantity	1949 Value f. o. b. plant
			$1,000		*$1,000*
Clay refractories, total			119,359		102,144
Fire-clay brick, standard and special shapes, except superduty.	M 9″ equiv	649,745	58,948	514,378	48,819
Superduty fire-clay brick, standard and special shapes	do	62,025	8,321	51,586	7,680
Insulating fire-brick, standard and special shapes	do	36,804	5,997	33,315	5,840
High-alumina brick, standard and special shapes (50% Al_2O_3 and over, except fused alumina and mullite).	do	20,708	4,896	16,346	4,392
Ladle brick	do	184,052	9,526	159,790	8,557
Glass-house pots, tank blocks, upper structure, and floaters	Short ton	25,505	3,404	17,564	2,530
Hot-top refractories	M 9″ equiv	53,284	4,760	34,284	3,261
Sleeves, nozzles, runner brick, and tuyeres	do	51,845	5,662	30,189	4,802
High-temperature bonding mortars	Short ton	68,254	4,675	53,829	4,146
Plastic refractories (including wet and dry ramming mixtures).	do	109,063	4,250	77,080	3,701
Cast and castables (hydraulic setting)	do	51,754	3,272	47,675	3,430
Ground crude fire clay and high-alumina material	do	350,432	3,191	327,864	2,943
Other clay refractories			2,457		2,034
Nonclay refractories, total			94,384		82,027
Silica brick and shapes	M 9″ equiv	318,203	34,118	261,719	30,320
Magnesite and magnesite-chrome (magnesite predominating) brick and shapes.	do	24,556	11,717	18,650	9,279
Chrome and chrome-magnesite (chrome predominating) brick and shapes.	do	41,077	16,073	34,777	14,312
Graphite and other carbon crucibles and retorts	Short ton	11,431	5,384	7,328	3,628
Other graphite and carbon refractories	do	1,157	445	814	298
High temperature bonding mortars	do	36,907	3,697	30,820	3,332
Plastic refractories (including wet and dry ramming mixtures).	do	88,328	5,630	72,015	4,934
Dead-burned magnesia and magnesite	do	305,000	[1] 11,421	218,000	[1] 8,606
Other nonclay brick and shapes (including silicon carbide, fused alumina, fused magnesia, mullite, kyanite, sillimanite, zirconia, forsterite, etc.).			14,704		13,049
Other nonclay refractory materials sold in lump or ground form (including ground silica and nonclay cast and castables).			2,616		2,875

[1] Excluded from total to avoid duplication.

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

No. 957.—Concrete Products—Production and Shipments: 1945, 1946, and 1947

Product and unit of measure	Production, quantity 1945	Production, quantity 1946	1947 Shipments and interplant transfers: Quantity	1947 Shipments and interplant transfers: Value (1,000) f. o. b. plant	1947 Production, quantity
Concrete products, total				$327,266	
Concrete block and brick, total				177,816	
Block: Light-weight aggregate (cinder, expanded slag, etc.) M block (8″ x 8″ x 16″ equiv.)	175,314	386,389	460,782	77,296	471,438
Heavy-weight aggregate do	225,053	553,718	563,350	94,228	570,585
Brick M brick	62,607	218,167	291,052	6,292	296,602
Concrete pipe, total M tons	(1)	(1)	4,333	82,446	4,403
Culvert pipe do		1,478	1,589	28,111	1,648
Sewer pipe: Reinforced do		717	525	10,908	551
Nonreinforced do			560	9,528	580
Pressure pipe do		(1)	422	15,470	423
Irrigation pipe do		(1)	721	10,268	742
Other pipe (including drain tile and conduits) do		(1)	516	8,161	519
Other precast concrete products, total				67,004	
Roof-and-floor slabs and tile M sq. ft.			40,617	13,522	39,542
Burial vaults and boxes Number			396,900	15,839	400,437
Laundry trays do			506,007	3,823	511,073
Cast stone for architectural purposes (including window sills, lintels, ashlar, coping, posts, ornamental columns, interior facings, and other trim)	(1)	(1)		7,915	
Roof-and-floor joists and beams M lin. ft.			2,319	1,481	2,364
Silo staves M staves			10,211	5,536	10,446
Other precast concrete products (including piling, posts and poles, crossing slabs, garden furniture, storage and septic tanks, catch-basin covers, shower receptors, gravestones, and prefabricated housing units)				18,888	

[1] Not available.

Source: Department of Commerce, Bureau of the Census; 1947 Census of Manufactures reports, and Facts for Industry Series M26C.

No. 958.—Structural Clay Products—Production and Shipments, by Kind: 1946 to 1949

PRODUCT AND UNIT OF MEASURE	1946	1947	1948	1949
Unglazed brick:				
Production ... 1,000 standard bricks	4,868,763	5,142,343	5,842,479	5,409,286
Shipments: Quantity ... do	4,643,787	5,011,556	5,706,838	5,161,411
Value ... 1,000 dollars	91,926	111,915	134,693	125,652
Unglazed hollow facing tile:				
Production ... 1,000 brick equivalent	100,422	135,386	[1] 335,292	[1] 370,505
Shipments: Quantity ... do	100,096	129,850	[1] 321,841	[1] 358,352
Value ... 1,000 dollars	2,711	3,985	[1] 16,029	[1] 18,744
Glazed hollow facing tile:				
Production ... 1,000 brick equivalent	174,744	229,752	([1])	([1])
Shipments: Quantity ... do	171,866	214,273	([1])	([1])
Value ... 1,000 dollars	8,052	10,331	([1])	([1])
Vitrified paving brick:				
Production ... 1,000 bricks	22,792	24,771	([2])	([2])
Shipments: Quantity ... do	25,376	20,727	([2])	([2])
Value ... 1,000 dollars	833	769	([2])	([2])
Unglazed structural tile:				
Production ... short tons	1,273,199	1,237,239	1,262,953	1,328,616
Shipments: Quantity ... do	1,243,661	1,183,659	1,250,904	1,239,191
Value ... 1,000 dollars	11,490	12,319	13,364	13,732
Vitrified clay sewer pipe:				
Production ... short tons	1,080,761	1,394,687	1,496,247	1,454,039
Shipments: Quantity ... do	1,077,584	1,341,523	1,432,512	1,352,820
Value ... 1,000 dollars	30,288	42,984	46,731	44,485
FLOOR AND WALL TILE AND ACCESSORIES				
Glazed—				
Production ... 1,000 square feet	43,612	77,387	[3] 104,061	[3] 99,126
Shipments: Quantity ... do	43,291	75,601	[3] 102,251	[3] 93,397
Value ... 1,000 dollars	15,262	33,702	[3] 46,646	[3] 43,855
Unglazed (except quarry tile)—				
Production ... 1,000 square feet	12,802	26,431	([3])	([3])
Shipments: Quantity ... do	12,973	25,450	([3])	([3])
Value ... 1,000 dollars	3,447	8,274	([3])	([3])
Quarry tile:				
Production ... 1,000 square feet	5,114	7,374	([3])	([3])
Shipments: Quantity ... do	5,409	6,847	([3])	([3])
Value ... 1,000 dollars	797	1,674	([3])	([3])
Drain tile:				
Production ... short tons	464,718	933,960	750,259	661,183
Shipments: Quantity ... do	464,096	894,920	734,331	630,649
Value ... 1,000 dollars	5,613	13,048	10,866	9,624
All other clay construction products,[4] value of shipments 1,000 dollars	8,337	21,903	([2])	([2])

[1] Glazed hollow facing tile included with unglazed hollow facing tile.
[2] Not available.
[3] Unglazed floor and wall tile and quarry tile included with glazed floor and wall tile.
[4] Includes glazed brick, flooring brick, acid-proof brick, silo and cornerib tile, architectural terra cotta, roofing tile, wall coping, flue lining, conduits, stove lining, and chimney pipe, tops, and thimbles.

Source: Department of Commerce, Bureau of the Census; 1947 Census of Manufactures reports, and Facts for Industry Series M26A and M26B.

No. 959.—Pig Iron and Ferro-Alloys—Production, by Disposition, Kind, and Fuel and Materials Used: 1900 to 1948

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

ITEM	1900	1910	1920	1925	1930	1935	1940	1945	1947	1948
Total pig iron and ferro-alloys	15,444	30,580	41,357	41,105	35,562	23,937	47,399	54,919	60,117	61,912
By disposition:										
For sale	(1)	(1)	12,011	10,070	7,933	4,505	6,837	8,351	9,121	8,705
For maker's use	(1)	(1)	29,346	31,034	27,630	19,433	40,561	46,569	50,996	53,206
By kind:										
Basic	1,201	10,175	18,746	22,027	20,601	15,253	33,988	39,867	44,805	46,315
Bessemer and low-phosphorus	8,936	12,595	13,510	10,550	8,193	4,747	7,835	8,570	7,513	8,116
Foundry (incl. ferro-silicon)	3,781	5,892	6,673	6,059	4,436	2,137	2,791	3,067	3,756	3,612
Malleable	194	944	1,468	1,740	1,760	1,350	1,832	2,350	2,875	2,591
Forge	888	632	356	270	57	6	4			
Ferromanganese, spiegeleisen, and all other	442	342	604	458	517	444	949	1,066	1,168	1,278
By fuel:										
Coke [2]	13,135	29,409	40,656	40,885	35,455	23,854	47,312	54,871	[3] 60,117	[3] 61,912
Anthracite	1,878	727	339							
Charcoal	431	444	362	220	109	84	86	48	(3)	(3)
Materials used:										
Iron ore, briquettes, etc	27,027	57,948	74,424	73,304	[4] 60,101	[4] 39,405	[4] 79,672	[4] 91,276	[4] 101,940	[4] 106,128
Cinder, scale, scrap, etc	1,792	3,136	5,585	5,619	[4] 7,052	[4] 4,768	[4] 7,480	[4] 9,749	[4] 9,168	[4] 9,632
Coke [5]	(1)	(1)	42,046	39,296	[4] 31,168	[4] 20,272	[4] 40,451	[4] 48,965	[4] 55,412	[4] 57,293
Limestone	8,313	16,271	19,964	16,973	[4] 12,431	[4] 8,425	[4] 16,678	[4] 20,863	[4] 24,032	[4] 26,424
Total number furnaces Dec. 31 [6]	406	473	452	395	300	258	231	241	239	246
Furnaces in blast Dec. 31 [6]	232	206	216	238	97	124	206	201	229	237

[1] Not available.
[2] Includes ferro-alloys made in electric furnaces.
[3] Charcoal included with coke.
[4] Materials consumed in manufacture of pig iron only.
[5] Coke and bituminous coal 1900 to 1925.
[6] Or as of Jan. 1 of following year.

Source: American Iron and Steel Institute, annual report.

No. 960.—Pig Iron and Ferro-Alloys—Production by States: 1941 to 1948

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

STATE	1941	1942	1943	1944	1945	1946	1947	1948
Grand total	56,687	60,903	62,770	62,866	54,919	46,515	60,117	61,912
Pig iron, total	55,101	59,076	60,811	61,007	53,223	44,779	58,329	60,055
Pennsylvania	16,895	18,065	18,575	18,510	16,171	13,251	17,563	17,742
Ohio	12,787	13,140	13,725	13,371	11,259	9,534	12,317	12,471
Indiana, Michigan	7,725	8,114	8,208	8,474	7,436	6,190	7,779	8,032
Illinois	5,355	5,850	5,950	5,686	5,045	4,357	5,600	5,513
Maryland, West Virginia, Kentucky, Tennessee, Texas	[1] 3,727	4,391	4,595	4,781	4,327	3,606	4,481	5,468
Alabama	3,696	4,082	3,780	3,949	3,582	3,149	3,929	4,013
Massachusetts, New York	3,758	4,221	4,178	3,947	3,295	2,780	3,869	3,875
Minnesota, Colorado, Utah, California	[2] 1,158	1,212	1,800	2,289	2,109	1,912	2,702	2,941
Ferro-alloys, total	1,586	1,827	1,959	1,859	1,696	1,736	1,788	1,856
Pennsylvania	620	627	603	637	573	437	553	616
New York, New Jersey	494	540	544	478	449	701	431	451
Virginia, West Virginia, South Carolina, Alabama, Tennessee	160	308	422	380	322	265	415	418
Ohio, Indiana, Illinois, Iowa, Colorado, Washington	311	352	391	363	351	333	389	371

[1] Includes production for Virginia.
[2] Includes production for Iowa.

Source: American Iron and Steel Institute, annual report.

No. 961.—Pig Iron and Ferro-Alloys and Steel Ingots and Castings—Production, Exports, and Imports: 1871 to 1948

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

Yearly average or year	Pig iron and ferro-alloys: Production	Pig iron and ferro-alloys: Exports of domestic	Pig iron and ferro-alloys: Imports	Steel ingots and castings, production [1]
1871–1875	2,518,088	8,301	154,102	[2] 436,575
1876–1880	2,870,295	3,816	309,792	899,896
1881–1885	4,817,228	5,948	364,325	1,860,540
1886–1890	7,928,829	13,896	257,566	3,687,895
1891–1895	9,108,976	25,741	61,351	5,236,824
1896–1900	12,870,960	251,180	38,425	9,452,731
1901–1905	20,428,425	50,921	352,537	17,212,083
1906–1910	26,907,689	88,052	308,040	24,826,797
1911–1915	30,820,405	226,252	148,681	31,783,886
1916–1920	41,451,650	463,931	119,718	46,838,598
1921–1925	34,132,119	41,444	405,785	41,138,017
1926–1930	42,215,094	58,316	289,690	54,186,963
1931–1935	17,486,488	14,521	177,424	27,553,544
1936–1940	36,174,206	476,409	144,024	52,334,066
1941–1945	59,629,017	260,059	39,378	85,410,090
1930	35,562,429	28,385	204,340	45,583,421
1931	20,637,516	17,280	115,965	29,058,961
1932	9,835,227	7,771	163,144	15,322,901
1933	14,947,074	12,625	219,838	26,020,229
1934	18,075,202	15,091	176,273	29,181,924
1935	23,937,423	19,840	211,901	38,183,705
1936	34,752,689	26,439	284,487	53,499,999
1937	41,582,550	916,160	180,625	56,636,945
1938	21,460,164	515,604	80,008	31,751,990
1939	35,677,097	238,224	129,497	52,798,714
1940	47,398,529	685,617	45,503	66,982,686
1941	56,686,604	610,729	28,844	82,839,259
1942	60,903,304	150,151	31,606	86,091,931
1943	62,769,947	231,068	28,056	88,836,512
1944	62,866,198	185,526	34,190	89,641,600
1945	54,919,029	122,819	74,193	79,701,048
1946	46,514,826	134,584	55,103	66,602,724
1947	60,117,319	92,676	231,473	84,894,071
1948	61,911,559	112,885	319,433	88,640,470

[1] Beginning 1934, includes only steel castings produced in foundries producing steel ingots.
[2] 1875 only.

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

No. 962.—Rolled and Miscellaneous Steel Products—Production, by Kind: 1925 to 1948

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

Kind	1925	1930	1935	1940	1945	1947	1948
Hot-rolled products, total	37,393,395	33,054,568	26,840,298	48,660,369	59,811,669	66,202,144	69,191,952
Plates	4,203,805	4,102,362	1,629,987	4,323,408	7,245,888	6,745,968	7,612,090
Sheets	4,588,452	3,932,944	5,796,624	11,705,956	12,067,487	16,450,776	17,924,671
Black plate	2,192,261	2,126,144	2,307,462	521,924	941	128,756	157,719
Strip	1,398,471	2,174,885	2,965,300	2,077,744	2,542,935	3,026,562	3,185,039
Strip and sheets for cold reduced black plate and tin plate	(1)	(1)	(1)	3,103,627	4,436,924	5,646,462	5,722,326
Hoops	229,655	89,425	100,634	97,074	51,891	59,543	47,769
Cotton ties and baling bands	398,905	51,737	27,685	44,918	34,216	50,499	65,318
Bars—merchant	6,338,433	4,627,810	4,142,944	6,459,263	9,649,412	9,314,803	9,589,946
Bars—concrete	917,937	952,169	624,243	1,425,998	834,806	1,466,822	1,560,928
Structural shapes	4,636,626	3,933,970	1,959,709	4,232,346	4,467,164	5,607,671	5,455,523
Steel piling	64,136	118,275	145,929	186,125	188,639	262,539	170,645
Rails	3,119,488	2,098,021	796,921	1,678,986	2,417,520	2,441,179	2,207,622
Long splice bars and tie plate bars	921,241	679,157	300,471	515,928	856,038	793,709	813,692
Skelp	3,617,340	3,003,892	1,514,328	2,709,000	2,894,023	3,450,460	3,617,703
Blanks, tube rounds or pierced billets for seamless tubes	(2)	1,397,935	1,067,776	2,320,966	3,384,489	3,517,521	3,937,990
Wire rods	3,186,015	2,630,432	2,753,689	4,351,848	4,531,157	5,376,003	5,430,603
Rolled forging billets	386,179	340,581	380,697	919,826	3,566,697	954,966	1,145,138
Blooms, billets, etc. for export	209	10,623	44,759	1,677,905	178,600	376,675	55,596
Rolled steel car wheels	(2)	(2)	83,714	191,102	291,375	347,301	329,480
All other	1,794,182	790,206	217,426	116,425	170,867	183,929	162,154
Miscellaneous products: [3]							
Tin plate and terneplate	1,856,730	1,882,619	1,996,960	2,738,581	2,827,483	3,757,141	4,008,488
Galvanized sheets	1,269,556	1,170,681	1,151,743	1,695,300	1,676,181	1,537,191	1,626,990
Galvanized formed products	89,110	73,047	67,245	84,854	58,717	153,899	125,852
Wire (plain)	(1)	(1)	2,177,816	3,071,824	3,544,826	4,462,444	4,586,557
Wire nails	772,687	478,071	443,596	648,593	583,048	776,251	846,653
Cut nails and spikes	36,805	22,996	19,748	24,377	15,279	27,677	30,017
Pipes and tubes (black)	(1)	(1)	2,276,544	4,272,684	6,030,243	6,612,648	7,376,440
Forgings made by rolling mills	434,414	[4] 532,978	[4] 352,390	[4] 623,101	[4] 1,655,746	[4] 542,971	[4] 597,577

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

Source: American Iron and Steel Institute, annual report.

No. 963.—Steel—Production of Ingots and Steel for Castings: 1890 to 1948

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

YEAR	Total [1]	Open hearth			Bessemer	Electric	Crucible
		Total	Basic	Acid			
1890	4,790,320	574,820	(2)	(2)	4,131,536	(2)	79,716
1900	11,410,928	3,805,911	2,850,502	955,409	7,486,942	(2)	112,629
1910	29,226,309	18,485,050	17,127,408	1,357,642	10,542,305	58,398	136,979
1915	36,009,160	26,520,594	24,985,772	1,534,822	9,281,679	77,741	127,436
1920	47,188,886	36,592,522	35,140,810	1,451,712	9,949,057	566,370	80,937
1925	50,840,747	42,598,627	41,537,823	1,060,804	7,530,837	689,373	21,910
1930	45,583,421	39,255,073	38,380,514	874,559	5,639,714	686,111	2,523
1935	38,183,705	34,401,280	34,004,585	396,695	3,175,235	606,471	719
1938	31,751,990	29,080,016	28,774,999	305,017	2,106,340	565,627	7
1939	52,798,714	48,409,800	47,828,700	581,100	3,358,916	1,029,067	931
1940	66,982,686	61,573,083	60,882,840	690,243	3,708,573	1,700,006	1,024
1941	82,830,259	74,389,619	73,312,851	1,076,768	5,578,071	2,869,256	2,313
1942	86,031,931	76,501,957	75,183,065	1,318,892	5,553,424	3,974,540	2,010
1943	88,836,512	78,621,804	77,207,870	1,413,934	5,625,492	4,589,070	146
1944	89,641,600	80,363,953	79,168,294	1,195,659	5,039,923	4,237,699	25
1945	79,701,648	71,939,602	71,069,876	869,726	4,305,318	3,456,704	24
1946	66,602,724	60,711,963	60,112,300	599,663	3,327,737	2,563,024	(3)
1947	84,894,071	76,873,793	76,209,268	664,525	4,232,543	3,787,735	(3)
1948	88,640,470	79,340,157	78,714,852	625,305	4,243,172	5,057,141	(3)

[1] Includes all other grades not shown separately, as follows: 1890, 4,248 tons; 1900, 5,445; 1910, 3,577; 1915, 1,710. Beginning 1935, figures include only that part of steel for castings which was made in foundries producing steel ingots.
[2] Not available.
[3] Included with electric steel.

Source: American Iron and Steel Institute, annual report.

No. 964.—Blast Furnaces and Steel Mills—Summary: 1889 to 1947

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

YEAR	Number of establishments	Production and related workers (average number)	Wages ($1,000)	Value added by manufacture ($1,000) [1]
1889	719	171,181	89,273	151,415
1899	668	222,490	120,820	281,569
1909	654	278,505	187,807	399,013
1919	695	416,748	711,407	1,321,507
1923	658	424,913	696,761	1,289,910
1925	595	399,914	660,297	1,281,976
1927	602	380,270	645,534	1,219,534
1929	591	419,534	730,974	1,622,837
1931	526	278,206	357,645	623,199
1933	466	288,945	270,367	481,529
1935	468	374,808	458,584	893,681
1937	352	461,118	755,427	1,503,959
1939	334	388,441	598,037	1,234,631
1947	301	470,785	1,431,536	2,603,757
Blast furnaces:				
1937 [2]	87	23,075	38,001	127,644
1939 [2]	81	19,537	28,312	87,083
1947	86	32,697	93,598	328,060
Steel works and rolling mills:				
1937	265	438,043	717,425	1,376,314
1939	253	368,904	569,724	1,147,548
1947	215	438,088	1,337,938	2,275,697

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

Source: Department of Commerce, Bureau of the Census; 1947 Census of Manufactures reports.

No. 965.—Iron and Steel Castings—Shipments: 1945 to 1949

[**In short tons.** For malleable iron castings, data represent complete coverage. Data for gray iron castings and steel castings represent complete coverage through 1946; data for 1947-49 represent preliminary estimates of complete coverage, based on a sample of the foundries]

YEAR	Malleable iron castings	GRAY IRON CASTINGS				STEEL CASTINGS		
		Total	Pressure pipe and fittings	Soil pipe and fittings	All other gray iron castings	Total	Grade of steel	
							Carbon	Alloy
1945	790, 731	9, 578, 295	602, 663	203, 033	8, 772, 599	1, 942, 477	1, 434, 473	508, 004
1946	752, 028	10, 269, 657	786, 314	409, 214	9, 074, 129	1, 432, 049	1, 112, 243	319, 806
1947	895, 054	12, 540, 960	1, 031, 626	577, 189	10, 932, 145	1, 625, 055	1, 241, 005	384, 050
1948	933, 265	12, 785, 909	1, 149, 553	639, 980	10, 996, 367	1, 760, 032	1, 367, 708	392, 324
1949	713, 107	10, 549, 284	1, 029, 743	563, 310	8, 956, 231	1, 243, 502	944, 232	299, 270

Source: Department of Commerce, Bureau of the Census. Monthly data published in Facts for Industry Series M21A, M21B, and M22A.

No. 966.—Steel Castings for Sale—Production and Orders Booked, by Type of Casting: 1920 to 1949

[**In short tons.** Approximate coverage of industry is as follows: 1920-30, 80 percent; 1935, 90 percent; 1940-44, 96 percent; 1945-46, 100 percent; 1947-49, preliminary estimates of complete coverage, based on a sample of the foundries]

YEAR	PRODUCTION			ORDERS BOOKED LESS CANCELLATIONS		
	Total	Railway specialties	Miscellaneous	Total	Railway specialties	Miscellaneous
1920	(1)	(1)	(1)	997, 358	429, 643	567, 715
1925				981, 343	423, 647	557, 696
1930	991, 872	368, 690	623, 182	884, 433	333, 199	551, 234
1935	398, 988	94, 329	304, 659	400, 157	97, 357	302, 800
1940	797, 947	290, 255	507, 692	816, 919	266, 418	550, 501
1942	1, 679, 178	309, 352	1, 369, 826	2, 187, 347	219, 145	1, 968, 202
1943	1, 928, 645	248, 664	1, 679, 981	2, 333, 420	352, 760	1, 980, 660
1944	1, 843, 386	338, 007	1, 505, 379	1, 914, 294	322, 630	1, 591, 664
1945	[2] 1, 484, 957	[2] 311, 833	[2] 1, 173, 124	1, 529, 912	352, 382	1, 177, 530
1946	[2] 1, 043, 358	[2] 286, 131	[2] 757, 227	[3] 1, 069, 842	[3] 283, 511	[3] 786, 331
1947	[2] 1, 203, 504	[2] 341, 987	[2] 861, 517	[3] 1, 330, 081	[3] 449, 432	[3] 880, 649
1948	[2] 1, 335, 295	[2] 442, 258	[2] 893, 037	[3] 1, 200, 389	[3] 375, 094	[3] 825, 295
1949	[2] 865, 297	[2] 232, 976	[2] 632, 321	[3] 633, 626	[3] 111, 599	[3] 522, 027

[1] Not available.
[2] Shipments beginning with last quarter of 1945.
[3] Calculated from data on shipments and unfilled orders.

Source: Department of Commerce, Bureau of the Census. Monthly data published in Facts for Industry Series M22A.

No. 967.—Malleable Iron Castings—Shipments and Orders Booked: 1925 to 1949

[**In short tons.** Statistics represent coverage of approximately 90 percent for 1925-43. Thereafter coverage is complete and represents reports from 115 foundries]

YEAR	SHIPMENTS			NEW ORDERS LESS CANCELLATIONS		
	Total	To outside trades	For use by own company or by an affiliate or subsidiary, or parent company	Total	For outside trades	For use by own company or by an affiliate or subsidiary, or parent company
1925	794, 174	(1)	(1)	750, 761	(1)	(1)
1930	475, 371			432, 722		
1935	455, 208			452, 611		
1940	556, 209	400, 818	155, 391	571, 929	414, 310	157, 619
1941	832, 173	619, 365	212, 808	884, 881	663, 688	221, 193
1942	746, 008	590, 804	155, 204	859, 102	703, 167	155, 935
1943	844, 639	653, 884	190, 755	1, 054, 224	826, 422	227, 802
1944	878, 233	619, 588	258, 645	969, 483	685, 511	283, 972
1945	790, 731	520, 887	269, 844	766, 711	426, 159	340, 552
1946	752, 028	452, 355	299, 673	(1)	483, 368	(1)
1947	895, 054	513, 228	381, 826	(1)	447, 975	(1)
1948	933, 265	525, 212	408, 053	(1)	460, 189	(1)
1949	713, 107	370, 967	342, 140	(1)	294, 317	(1)

[1] Not available.

Source: Department of Commerce, Bureau of the Census. Monthly data published in Facts for Industry Series M21B.

No. 968.—Iron and Steel, Finished Rolled—Production, Exports, and Imports: 1876 to 1948

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

Yearly average or year (calendar year)	Total production, finished rolled products	Rails			Plates and sheets			Merchant bar production [2]
		Production	Exports	Imports	Production	Exports	Imports [1]	
1876–1880	----------	1,020,426	4,974	67,033	----------	----------	----------	----------
1881–1885	----------	1,426,531	4,404	131,009	----------	----------	----------	----------
1886–1890	[3] 5,911,600	1,915,511	8,148	55,748	[3] 767,104	----------	8,975	----------
1891–1895	6,129,591	1,416,438	15,288	1,173	846,516	1,691	26,761	----------
1896–1900	9,142,067	2,107,734	260,420	2,687	1,639,544	34,714	5,344	----------
1901–1905	15,311,416	3,242,555	252,836	48,392	3,017,980	44,246	6,907	[4] 4,024,833
1906–1910	20,730,629	3,627,104	339,622	4,439	4,540,594	177,622	4,588	3,897,499
1911–1915	24,920,084	3,091,824	424,247	26,589	6,028,088	466,372	3,220	4,222,754
1916–1920	34,507,928	2,945,047	616,920	23,959	9,235,794	1,016,396	1,765	7,050,073
1921–1925	30,458,732	2,794,109	274,737	35,530	8,875,380	488,464	4,265	5,375,343
1926–1930	39,562,938	2,971,808	178,599	22,228	11,797,300	536,823	27,580	7,080,924
1931–1935	20,002,332	828,436	46,310	5,780	6,891,694	181,332	14,569	3,356,504
1936–1940	38,066,554	1,334,946	139,217	6,511	13,664,259	791,090	8,963	6,217,207
1941–1945	62,735,684	2,211,836	276,472	14,372	21,370,112	1,307,781	1,853	11,284,428
1932	11,705,219	450,874	12,678	6,341	3,856,505	88,515	24,922	1,903,441
1933	18,743,296	466,252	46,459	7,171	6,902,648	121,902	10,643	2,973,655
1934	21,245,847	1,131,451	77,458	3,442	7,140,913	226,537	5,204	3,684,162
1935	26,840,298	796,921	57,873	6,337	9,734,073	253,738	13,141	4,767,187
1936	37,857,544	1,366,228	82,270	8,700	13,610,595	346,753	25,796	6,822,492
1937	41,178,356	1,619,228	165,964	9,294	15,721,261	885,199	10,095	6,755,012
1938	23,568,951	697,642	92,648	4,059	8,506,233	573,817	7,167	3,484,923
1939	39,067,553	1,312,647	66,183	8,718	13,931,919	729,366	1,606	6,138,350
1940	48,660,369	1,678,986	289,020	1,780	16,551,288	1,420,311	153	7,885,261
1941	62,324,187	1,927,851	169,542	7,672	20,203,071	1,054,180	125	10,978,698
1942	62,445,914	2,096,159	256,159	14,435	21,237,072	1,364,824	254	11,939,982
1943	63,292,673	2,126,996	311,861	7,384	22,543,040	1,531,567	468	11,858,047
1944	65,803,979	2,490,656	316,915	9,893	23,463,059	1,246,556	5,665	11,161,194
1945	59,811,669	2,417,520	327,883	32,474	19,314,316	1,341,777	2,751	10,484,218
1946	50,936,772	1,965,642	385,584	7,997	16,324,199	1,159,040	2,255	8,880,428
1947	66,202,144	2,441,179	500,582	10,267	23,325,500	1,272,770	1,843	10,781,625
1948	69,191,952	2,207,622	308,375	6,784	25,694,480	916,833	32,280	11,150,874

Yearly average or year (calendar year)	Skelp production	Wire rods			Structural shapes			All other finished rolled production [2]
		Production	Exports	Imports	Production	Exports	Imports	
1891–1895	----------	709,238	----------	38,980	[5] 481,457	----------	----------	2,772,234
1896–1900	----------	1,018,997	[6] 18,124	20,257	772,149	[5] 54,742	----------	3,603,643
1901–1905	[4] 1,608,314	1,781,114	18,306	20,597	1,348,246	62,329	[7] 14,432	1,415,004
1906–1910	1,868,915	2,303,540	15,011	17,248	2,160,385	135,616	12,440	2,323,590
1911–1915	2,511,342	2,933,601	84,252	13,198	[8] 2,739,958	297,798	7,114	3,392,518
1916–1920	3,123,005	3,336,179	162,072	4,188	3,340,000	376,744	3,143	5,477,829
1921–1925	3,345,985	2,836,325	31,408	4,803	3,190,711	224,177	31,317	4,031,879
1926–1930	3,752,372	3,148,573	35,039	16,096	4,489,127	311,101	160,219	6,322,836
1931–1935	1,248,507	2,065,158	25,456	12,505	1,631,689	66,574	45,874	3,980,346
1936–1940	2,282,301	3,424,361	97,413	12,251	3,317,886	237,283	49,232	7,825,593
1941–1945	3,100,884	4,754,339	148,351	482	5,052,009	287,706	6,278	14,962,077
1932	680,511	1,328,523	16,596	8,886	1,049,695	36,468	40,933	2,435,670
1933	1,113,857	2,266,986	18,902	14,940	1,242,592	35,877	32,812	3,717,306
1934	1,254,643	1,930,617	26,580	11,936	1,596,045	60,003	28,026	4,508,016
1935	1,514,328	2,733,689	29,223	18,794	1,959,709	64,191	46,593	5,334,391
1936	2,415,394	3,357,626	39,057	21,180	3,245,346	98,143	68,974	7,039,863
1937	2,553,445	3,370,405	67,209	17,717	3,670,068	208,072	87,666	7,488,937
1938	1,403,540	2,361,630	24,957	5,914	2,082,685	142,822	44,379	5,032,298
1939	2,330,128	3,680,297	35,224	11,975	3,358,985	182,731	44,277	8,315,227
1940	2,709,000	4,351,848	320,021	4,465	4,232,346	554,644	859	11,251,640
1941	3,637,874	5,268,423	187,326	119	5,724,236	365,238	356	14,494,334
1942	2,900,741	4,632,017	145,251	57	5,816,321	229,757	166	13,823,622
1943	3,022,398	4,693,798	176,039	31	4,575,844	239,985	169	14,472,550
1944	3,049,682	4,646,208	123,804	2	4,676,481	235,592	28,017	16,316,609
1945	2,894,023	4,531,157	109,334	2,199	4,467,164	367,956	2,682	15,703,271
1946	2,534,848	4,520,280	62,355	6,052	4,387,664	449,219	874	12,323,711
1947	3,450,460	5,376,003	71,237	6,016	5,607,671	752,790	1,731	15,219,706
1948	3,617,703	5,430,603	38,143	6,613	5,455,523	499,166	65,830	15,635,147

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

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

No. 969.—Iron and Steel—Aggregate Exports: 1890 to 1949

[Covers products listed in table 970; excludes data for highly elaborated products of iron and steel. Value figures through 1921 exclude, and those beginning 1922 include data for small items for which quantity figures are not available. Ferromanganese data included for all years. Data for steam and hot-water heating boilers and radiators, formerly classified as heavy iron and steel products, excluded beginning with 1922]

[Quantities in thousands of short tons (2,000 pounds); values in thousands of dollars]

YEAR	Quantity	Value	YEAR	Quantity	Value	YEAR	Quantity	Value
1890	58	----------	1926	2,427	174,145	1938	5,766	185,432
1895	100	----------	1927	2,445	160,609	1939	6,814	236,947
1900	1,292	42,518	1928	3,209	179,881	1940	11,876	524,426
1905	1,131	33,813	1929	3,402	200,203	1941	8,029	506,901
1910	1,723	63,436	1930	2,220	139,039	1942	7,387	598,939
1915	3,957	140,993	1931	1,085	63,226	1943	7,245	621,847
1920	5,527	458,376	1932	666	28,857	1944	6,148	560,178
1921	2,479	214,830	1933	1,502	45,534	1945	5,203	461,147
1922	2,235	136,334	1934	3,150	88,691	1946	5,149	449,843
1923	2,251	167,247	1935	3,431	88,414	1947	6,994	830,655
1924	2,023	150,494	1936	3,536	112,692	1948	4,885	659,779
1925	1,974	144,262	1937	8,488	302,360	1949	5,010	821,413

No. 970.—Iron and Steel—Exports, by Kind: 1946 to 1949

ARTICLE	QUANTITY (TONS OF 2,000 LBS.)				VALUE ($1,000)			
	1946	1947	1948 [1]	1949 [1]	1946	1947	1948 [1]	1949 [1]
Total	5,149,150	6,993,675	4,885,029	5,910,304	449,843	830,655	659,779	821,413
Pig iron, not including ferro-alloys	95,035	10,940	7,032	81,309	2,669	316	217	3,354
Ferromanganese and spiegeleisen	10,464	20,473	19,747	6,627	653	2,824	2,993	1,360
Other ferro-alloys	8,188	40,295	64,222	11,185	2,070	3,365	7,330	3,680
Scrap	149,090	194,081	243,690	297,388	3,383	9,854	12,547	7,293
Ingots, blooms, sheet bars, skelp, etc	509,097	558,617	277,261	374,617	23,926	35,945	20,108	30,014
Iron and steel bars and alloy steel bars	699,063	1,133,252	542,934	441,759	52,425	118,561	60,623	50,659
Wire rods	62,355	71,237	38,143	53,315	3,839	7,117	3,764	5,019
Galvanized sheets	77,746	74,430	62,783	85,594	7,557	10,511	8,212	13,071
Plates, iron and steel	532,512	562,480	347,698	417,097	33,387	47,849	33,448	41,543
Black steel sheets	482,749	568,760	416,481	551,246	46,075	85,166	57,396	74,988
Black iron sheets	31,177	30,215	17,773	22,650	2,478	3,754	2,008	2,639
Hoop, band, and strip steel	148,081	196,765	128,577	139,752	15,646	28,471	19,975	21,815
Tin plate, terneplate, etc	398,489	620,198	613,784	605,063	43,569	86,918	97,103	101,842
Structural shapes, plain material	318,848	463,375	292,176	302,700	18,059	32,519	23,388	25,680
Structural materials, fabricated	161,689	294,204	223,307	205,810	19,612	47,309	46,535	46,615
Tanks, complete and knocked down	49,331	98,234	92,448	106,003	5,873	15,179	15,327	19,037
Metal lath	3,538	5,717	7,233	5,116	679	1,217	1,661	1,260
Steel rails	385,584	500,582	308,375	237,244	18,520	31,732	22,822	19,441
Rail fastenings, switches, frogs, etc	80,470	157,819	71,756	34,352	7,976	15,817	9,650	5,828
Boiler tubes	44,565	69,836	38,455	47,070	6,688	13,267	7,784	9,770
Casing and oil-line pipe	179,781	333,377	371,914	491,644	18,912	40,122	48,627	71,878
Seamless black pipe, except casing and oil-line	14,870	18,717	21,692	26,249	1,838	2,856	3,377	4,348
Black and galvanized welded pipe	146,343	159,095	103,321	200,301	15,274	22,345	17,645	33,537
Cast-iron pipe and fittings	47,481	49,589	39,284	629,017	3,743	5,705	5,635	97,880
Malleable-iron screwed pipe fittings	4,431	5,164	4,490	5,573	1,924	2,888	3,327	4,132
All other iron and steel pipe and fittings, n. e. s	72,984	101,850	68,938	55,479	17,617	30,914	29,076	27,132
Barbed-wire and woven-wire fencing	56,538	91,233	51,410	92,055	6,379	14,976	8,786	15,187
Plain and galvanized wire	117,727	185,371	127,141	130,730	15,633	31,522	21,245	21,115
Woven-wire screen cloth	3,520	5,985	5,738	4,298	2,300	4,828	4,294	3,487
Wire rope and wire strand	34,711	30,830	13,643	12,915	11,594	10,319	4,846	5,286
Electric welding rods	9,467	14,842	15,834	15,945	1,893	3,362	3,489	4,161
Wire, other, and manufactures thereof	26,096	52,602	41,518	20,246	8,223	15,152	12,245	6,278
Wire nails	19,102	25,754	19,662	25,910	2,047	3,916	3,358	4,188
Nails other than wire, tacks, staples	11,650	15,996	14,914	11,572	2,690	4,083	4,384	3,178
Horseshoes	1,859	897	582	418	275	179	113	90
Bolts, nuts, rivets, and washers [2]	31,622	48,323	54,311	26,129	9,216	15,488	16,908	12,045
Car wheels and axles	68,371	88,802	38,714	62,066	7,684	10,342	6,134	10,354
Iron castings	29,334	54,050	46,147	46,278	3,340	5,717	5,722	6,028
Steel castings	4,339	3,857	4,838	3,834	1,218	1,439	2,055	1,406
Forgings	19,353	35,819	27,063	23,748	2,952	6,809	5,621	4,792

[1] Effective Jan. 1948, includes shipments under Army Civilian Supply Program.
[2] Except railroad.

Source of tables 969 and 970: Department of Commerce, Bureau of the Census; annual report, Foreign Commerce and Navigation of the U. S., and records.

No. 971.—Iron and Steel—Average Annual Prices, by Class or Kind: 1891 to 1949

[Prices of pig iron, rails, and billets, and wire rods in dollars per long ton (2,240 pounds); other prices in dollars per 100 pounds]

Year	Pig iron: Basic, The Valleys	Pig iron: Southern, No. 2, Cincinnati	Pig iron: Local, No. 2, Chicago [1]	Open hearth rails at mills in Pennsylvania [2]	Open hearth steel billets, Pittsburgh [3]	Wire rods, Pittsburgh	Merchant bars, Pittsburgh	Iron bars (best refined), Pittsburgh [4]	Tank plates, Pittsburgh	Structural shapes, Pittsburgh [5]	Composite finished steel
1891-1895	--------	11.74	12.80	27.27	20.89	--------	--------	1.46	--------	--------	--------
1896-1900	--------	12.56	14.30	24.96	21.08	--------	[6] 1.46	1.50	1.61	[6] 1.63	--------
1901-1905	--------	15.80	17.50	27.87	25.76	--------	1.47	1.77	1.60	1.63	--------
1906-1910	16.87	17.66	19.42	28.00	26.60	--------	1.47	1.75	1.57	1.58	1.77
1911-1915	13.66	14.10	14.72	28.00	22.43	--------	1.31	1.47	1.32	1.32	1.54
1916-1920	32.22	34.17	33.29	44.94	51.78	[7] 61.77	2.98	3.82	3.73	2.94	3.45
1921-1925	22.31	25.23	24.03	42.76	36.74	46.24	2.03	3.97	2.02	2.05	2.42
1926-1930	17.82	20.05	19.67	43.00	33.49	41.68	1.87	4.44	1.84	1.85	2.22
1931-1935	16.19	16.56	17.31	39.49	27.25	36.55	1.60	3.48	1.68	1.69	1.96
1936-1940	21.48	22.01	21.98	40.04	33.92	43.62	2.21	4.35	2.09	2.09	2.35
1941-1945	23.70	24.61	24.20	40.49	34.00	45.21	2.16	5.37	2.12	2.10	2.31
1931	15.85	14.52	17.35	43.00	29.36	35.03	1.63	3.69	1.62	1.62	1.96
1932	13.98	13.84	15.87	42.44	26.52	37.00	1.57	3.35	1.57	1.57	1.87
1933	15.24	16.31	16.47	39.26	26.00	35.15	1.64	3.35	1.61	1.68	1.85
1934	17.69	18.80	18.19	36.37	27.10	37.37	1.81	3.50	1.78	1.78	2.05
1935	18.17	19.34	18.68	36.37	27.25	38.21	1.81	3.50	1.80	1.80	2.07
1936	19.10	19.99	19.60	36.59	29.68	39.12	1.95	3.70	1.85	1.85	2.12
1937	22.99	23.20	23.49	41.86	36.45	46.27	2.40	4.50	2.21	2.21	2.54
1938	21.70	22.18	22.20	41.77	35.45	44.93	2.35	4.50	2.17	2.17	2.46
1939	21.09	21.64	21.59	40.00	34.00	43.00	2.19	4.40	2.10	2.10	2.31
1940	22.53	23.06	23.03	40.00	34.00	44.80	2.15	4.64	2.10	2.10	2.27
1941	23.50	24.02	24.00	40.00	34.00	44.80	2.15	5.00	2.10	2.10	2.40
1942	23.50	24.52	24.00	40.00	34.00	44.80	2.15	5.00	2.10	2.10	2.40
1943	23.50	24.25	24.00	40.00	34.00	44.80	2.15	5.14	2.10	2.10	2.40
1944	23.50	24.81	24.00	40.00	34.00	44.80	2.15	5.85	2.10	2.10	2.40
1945	24.52	25.44	25.02	42.44	34.00	46.85	2.21	5.85	2.21	2.10	2.45
1946	27.14	27.61	27.64	43.67	35.21	[8] 2.20	2.47	6.32	2.47	2.32	2.69
1947	34.78	35.88	34.80	[8] 2.60	44.38	[8] 2.73	2.73	7.12	2.80	2.63	3.01
1948	41.62	[9] 40.47	41.77	[8] 2.93	50.46	[8] 3.44	3.13	(10)	3.19	3.00	3.43
1949	46.00	[11] 46.08	46.50	[8] 3.21	53.56	[8] 3.58	3.37	(10)	3.43	3.26	3.71

[1] At furnace after 1907.
[2] Bessemer rails prior to Oct. 22, 1921.
[3] Bessemer billets prior to 1927.
[4] Muck iron in 1891.
[5] Beams prior to Mar. 19, 1929.
[6] Average for 1898-1900.
[7] Average for 1919-1920.
[8] Dollars per 100 pounds.
[9] Average for week of Dec. 28, 1948.
[10] Not available.
[11] Average for week of Dec. 27, 1949.

Source: Steel and The Iron Age, annual review issues; and American Iron and Steel Institute, annual report.

No. 972.—Aluminum—Shipments of Wrought Products and Castings: 1942 to 1949

[In thousands of pounds]

Class	1942	1943	1944	1945	1946	1947	1948	1949
Castings:								
Sand	207,488	304,118	321,200	213,892	160,845	155,112	139,781	106,825
Permanent mold	60,643	89,675	106,200	108,259	153,138	174,515	161,334	102,908
Die	55,924	65,742	84,200	70,667	73,702	110,538	118,738	88,019
All other	(1)	(1)	2,800	2,189	1,026	1,831	4,637	6,864
Plate, sheet and strip [2]	(1)	(1)	(1)	(1)	866,982	1,111,159	1,268,297	790,025
Rolled structional shapes, rod bar and wire [2]					130,638	157,379	182,991	203,467
Extruded shapes, tube blooms and tubing [2]					126,078	123,048	171,964	149,994
Powder, flake and paste [2]					17,151	16,566	16,954	14,469

[1] Not available.
[2] Data represent producer's net shipments consisting of total shipments less shipments to other metal mills for further fabrication into other forms of wrought products.

Source: Department of Commerce, Bureau of the Census; Facts for Industry Series M24G and M24E.

No. 973.—Magnesium—Shipments of Wrought Products and Castings: 1942 to 1949

[Thousands of pounds]

CLASS	1942	1943	1944	1945	1946	1947	1948	1949
Total	[1] 55,164	[1] 146,262	[1] 213,418	[1] 89,770	[1] 15,114	[1] 12,500	[1] 14,079	[1] 17,628
Castings:								
Sand	32,024	59,123	75,221	42,471	7,149	6,404	[2] 8,214	[2] 9,364
Permanent mold	20,387	81,337	123,904	39,592	532	729		
Die	1,346	2,866	2,362	1,689	791	560		
Sheet, strip, and plate	887	1,680	2,308	2,900	3,411	1,876	[2] 5,865	[2] 8,264
Extrusions	475	1,029	9,198	[3] 3,118	[3] 3,231	[3] 2,931		
Forgings	45	227	425					

[1] Excludes extruded sheet stock, forging stock, powder, and sticks.
[2] Combined to avoid disclosure of individual company operations.
[3] Represents extrusions, including forging stock; forgings data not available.

Source: Department of Commerce, Bureau of the Census; Facts for Industry Series, M24G and M24E.

No. 974.—Copper and Copper-Base Alloy Rolled, Drawn and Extruded Products—Shipments, by Kind: 1939 and 1947

[In short tons (2,000 pounds). Covers shipments and interplant transfers of copper and copper-base alloy products, including production of these items consumed by producing plant in manufacturing fabricated products. These figures, therefore, represent gross shipments of copper and copper-base alloy products. 1939 figures for copper-base alloys refer to brass and bronze products only; figures for other copper-base alloys excluded and to this extent data not comparable with 1947. Data on shipments, interplant transfers, and produced and consumed in same plant have been combined since data are not comparable for each of these measures separately. Some establishments which reported rolling mill and fabricating operations at same location in 1939 treated each of these operations as separate establishments in 1947. For this reason some of tonnage reported as produced and consumed in same establishment in 1939 was considered as interplant transfers in 1947]

PRODUCT	1939	1947
Copper and copper-base alloy wire and cable, bare and tinned	**381,666**	**911,207**
Unalloyed copper	336,603	835,927
Copper-base alloy	45,063	75,280
Other copper and copper-base alloy rolled, drawn and extruded products	**842,027**	**1,526,783**
Unalloyed copper:		
Rod and bar	[1] 204,903	477,196
Plate, sheet, and strip	107,707	165,438
Pipe and tube	72,795	185,010
Copper-base alloys:		
Rod	[1] 135,156	242,542
Shapes, drawn, and extruded	[2] 6,357	28,611
Plate, sheet, and strip	221,224	329,467
Plate and tube	93,885	97,619

[1] Excludes tonnage of rods reported as produced and consumed in same establishment, most of which was consumed in production of wire, rather than fabricated products.
[2] Includes extruded shapes only.

Source: Department of Commerce, Bureau of the Census; 1947 Census of Manufactures reports.

No. 975.—Selected Metal Products—Factory Shipments: 1948 and 1949

[Leaders indicate no data available]

Product and unit of measure	1948 Quantity	1948 Value ($1,000)	1949 Quantity	1949 Value ($1,000)
Containers and closures:				
Steel shipping barrels and drums ... number	37,540,592	----------	31,790,472	----------
Steel packages, kegs, and pails ... do	60,828,021	----------	53,428,143	----------
Metal cans ... short tons of steel consumed	3,245,145	----------	3,276,918	----------
Food ... do	2,317,487	----------	2,261,470	----------
Non-food ... do	927,658	----------	1,015,448	----------
Crowns ... gross	323,145,600	----------	299,397,107	----------
Closures (except crowns) ... 1,000	11,575,146	----------	----------	----------
Commercial ... do	10,699,647	----------	9,982,683	----------
Home canning ... do	875,499	----------	----------	----------
Heating and cooking equipment:				
Domestic cooking stoves and ranges ... number	4,895,324	448,332	3,346,167	299,446
Electric ... do	1,363,742	169,657	904,944	111,935
Gas, including bungalow ... do	2,640,693	223,014	1,997,530	157,103
Liquid fuel ... do	466,777	19,061	185,939	7,501
Coal and wood ... do	295,527	15,685	170,732	8,164
Combination ... do	128,585	20,915	87,022	14,743
Domestic heating stoves ... do	5,227,289	108,784	3,658,936	70,647
Gas ... do	2,083,990	29,295	1,452,834	23,050
Liquid fuel ... do	1,939,693	61,607	1,254,569	36,558
Coal and wood ... do	1,203,606	17,882	951,533	11,039
Water heaters ... do	2,723,331	136,318	2,393,970	117,181
Electric ... do	716,182	47,071	516,151	32,932
Non-electric ... do	2,007,149	89,247	1,877,819	84,249
Direct-fired ... do	1,851,217	81,508	1,732,330	77,114
Indirect ... do	155,932	7,739	145,489	7,135
Range boilers ... do	535,717	7,009	416,431	5,992
Cast iron boilers ... 1,000 pounds	263,303	43,756	206,296	40,526
Cast iron radiators and convectors ... 1,000 sq. ft. heating surf	60,332	31,426	35,888	19,936
Oil burners ... number	419,668	----------	591,967	----------
Residential ... do	392,625	----------	567,515	----------
Non-residential ... do	27,043	----------	24,452	----------
Mechanical stokers ... do	85,466	----------	35,260	----------
Warm air furnaces ... do	776,548	136,937	717,201	129,817
Forced air ... do	400,973	91,391	446,215	98,100
Gravity air ... do	375,575	45,546	270,986	31,717
Construction machinery:				
Power cranes and shovels ... do	8,289	158,586	4,114	89,204
Dozers ... do	18,668	26,514	15,414	23,640
Tracklaying tractors ... do	39,949	167,341	41,223	194,629
Plumbing fixtures:				
Bathtubs, cast iron and steel ... do	1,909,238	----------	1,475,743	----------
Lavatories ... do	3,212,116	----------	2,504,791	----------
Vitreous china ... do	1,417,152	----------	967,882	----------
Cast iron and steel ... do	1,794,964	----------	1,536,909	----------
Kitchen sinks ... do	2,640,431	----------	[1] 2,120,629	----------
Vitreous china ... do	8,965	----------	[1] 13,549	----------
Cast iron ... do	1,545,332	----------	1,123,557	----------
Steel ... do	1,086,134	----------	983,523	----------
Transportation equipment:				
Truck trailers ... do	46,960	139,996	34,273	119,098
Complete trailers ... do	44,877	----------	32,747	----------
Trailer chassis only ... do	2,083	----------	1,526	----------
Complete aircraft (civilian) ... do	7,302	114,208	3,545	121,446
Aircraft engines (civilian) ... do	9,030	30,017	3,982	14,237
Domestic water systems ... do	658,847	50,172	527,964	41,876

[1] Includes a small quantity of other metals and glazed earthenware.

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

No. 976.—Machinery—Value of Principal Classes Manufactured: 1929 to 1947

[In thousands of dollars. Figures represent total value of production (or shipments) of specified commodities reported by all establishments producing these commodities. Data for selected groups of commodities only are shown. For 1929 and 1947, value represents value of shipments; for other years, value of production]

Class	1929	1933	1935	1937	1939	1947
Agricultural machinery (except tractors) [1]	278,271	(2)	139,098	226,274	182,683	758,326
Automatic merchandising machines	8,821	5,472	5,989	8,978	6,154	14,535
Bakery machinery and equipment	21,730	7,332	11,869	18,120	17,583	39,441
Blowers and fans	25,243	6,955	15,830	26,282	[3] 24,561	[3] 129,913
Bottlers' machinery (except dairy)	11,082	9,157	8,264	21,135	11,959	34,442
Cash registers, adding, calculating, and card tabulating machines, and typewriters	151,583	46,577	[4] 83,217	118,552	104,675	[3] 441,972
Cement-making machinery and equipment	4,387	545	1,646	2,065	3,035	8,111
Clay-working machinery (brick, pottery, etc.)	4,402	591	1,071	2,727	2,059	6,983
Commercial laundry, dry-cleaning, and pressing machinery	[5] 36,110	[5] 7,993	[5] 14,241	21,969	20,727	93,078
Concrete products machinery and equipment	4,132	224	1,809	4,053	1,739	17,974
Conveyors and conveying systems	48,537	11,413	22,045	33,911	29,773	142,573
Cotton-ginning machinery	11,760	2,165	4,892	11,300	5,115	20,433
Elevators, escalators, and dumb-waiters	44,044	8,322	9,110	21,235	16,244	82,845
Engines (steam and internal-combustion) and turbines:						
Steam engines	(2)	(2)	(2)	1,738	1,155	2,183
Steam turbines	(2)	(2)	(2)	16,214	15,439	15,722
Hydraulic turbines	(2)	(2)	(2)	(2)	5,885	10,740
Internal-combustion engines	(2)	(2)	(2)	91,843	90,817	423,040
Flour-mill and grain-mill machinery	8,286	2,354	5,167	6,916	6,087	25,437
Foundry machinery [6]	10,639	1,957	5,585	9,156	6,804	34,431
Glass-making machinery	3,688	1,895	3,543	4,729	4,459	21,609
Locomotives	82,909	2,748	21,735	65,163	42,667	302,251
Machine tools	147,316	16,457	64,515	162,046	166,649	322,356
Motor vehicles:						
Passenger cars, complete	(2)	(2)	(2)	(2)	1,799,503	4,080,311
Trucks, truck tractors, truck chassis, motor coaches, and fire department vehicles	(2)	(2)	(2)	(2)	462,517	1,864,689
Oil-field machinery and tools	(2)	(2)	(2)	121,881	84,153	262,939
Petroleum refinery machinery and equipment	30,210	4,807	7,931	14,816	16,360	22,478
Printing trades machinery and equipment	(2)	(2)	(2)	74,013	52,583	191,282
Pulp and paper industries machinery	(2)	(2)	(2)	41,341	31,227	134,713
Pumps, pumping equipment, and air compressors:						
Reciprocating pumps	(2)	(2)	(2)	8,159	5,479	13,919
Centrifugal pumps	(2)	(2)	(2)	19,539	18,630	74,904
Rotary pumps	(2)	(2)	(2)	7,663	8,450	27,724
Turbine pumps	(2)	(2)	(2)	(2)	(2)	31,015
Air compressors	(2)	(2)	(2)	28,325	21,233	101,656
Rolling mill machinery and equipment	(2)	(2)	(2)	52,139	34,605	96,074
Rubber-working machinery	13,552	3,347	4,883	12,271	13,685	46,445
Scales and balances	25,385	6,805	12,191	17,169	13,544	49,202
Sewing machines (domestic and industrial)	37,378	10,274	18,250	24,593	20,304	63,643
Shoemaking and repairing machinery	12,317	8,130	10,245	10,903	10,603	23,708
Stokers, mechanical	14,054	5,629	11,537	22,176	20,275	18,392
Sugar plant machinery	5,046	794	1,200	4,344	2,935	16,949
Textile machinery and parts	115,525	57,892	64,899	[3] 100,696	85,601	379,988
Tobacco manufacturing machinery and equipment	5,018	1,106	1,693	3,679	3,337	20,146
Tractors (all types)	214,721	(2)	137,990	258,855	203,865	744,272
Vacuum cleaners (household type)	35,108	14,411	24,191	36,029	44,160	[3] 133,107
Washing machines and other domestic laundry equipment	79,011	42,422	59,513	73,291	[7] 66,282	[7] 433,955

[1] From annual survey, Farm Machines and Equipment, series M35A.
[2] No comparable data.
[3] Not strictly comparable with figures for earlier years.
[4] Includes postal meters.
[5] Excludes dry-cleaning machinery.
[6] Excludes patterns and molds (of wood, metal, etc.).
[7] Includes parts and attachments.

Source: Department of Commerce, Bureau of the Census; Census of Manufactures reports.

No. 977.—Electrical Machinery—Value of Selected Products: 1933 to 1947

[In thousands of dollars. Figures represent total value of production (or shipments) of specified commodities reported by all establishments producing these commodities. Data for selected groups of commodities only are shown. For 1947, value represents value of shipments; for other years, value of production]

PRODUCT	1933	1935	1937	1939	1947
Batteries, storage and primary (dry and wet):					
Storage batteries	52,129	65,901	78,250	81,122	293,358
Dry batteries (cells)	[1] 12,929	15,307	20,680	25,900	73,073
Wet primary batteries and parts and supplies for dry batteries and wet primary batteries	2,386	4,510	3,947	4,195	5,021
Carbon and graphite products:					
Brushes (carbon, graphite, metal-graphite and metal-impregnated)	2,282	4,150	6,511	[2] 4,654	[2] 16,243
Other carbon and graphite products (including electrodes)	6,715	8,320	13,921	[2] 13,931	[2] 52,361
Electric hearing aids	(3)	(3)	(3)	3,671	16,868
Electrical appliances				[2] 83,349	[2] 548,337
Fans (direct motor-driven)			94,754	8,286	48,656
Water heaters (for permanent installation)			15,565	3,453	59,884
Mixers, whippers, and juicers	(3)	(3)	5,605	6,546	24,565
Commercial cooking apparatus			7,372	3,334	13,478
Other electrical appliances			2,765	[2] 61,730	[2] 401,754
			63,447		
Electrical measuring instrument:					
Electrical integrating instruments	(3)	(3)	23,636	19,233	59,046
Other electrical measuring instruments			15,390	17,912	98,407
Electric lamps:					
Incandescent-filament	[4] 49,849	62,703	74,304	73,119	145,352
Other		2,072	3,588	6,185	49,036
Electro-therapeutic apparatus	(3)	(3)	(3)	5,823	7,601
Engine electrical equipment:					
Battery charging generators (not including automotive starter-motors)	(3)	(3)	22,359	14,949	50,422
Ignition apparatus for internal-combustion engines	23,432	40,528	58,201	69,727	149,110
Fuse and fuse equipment under 2,300 volts (except power distribution cut-outs)	4,825	5,013	7,117	6,879	20,698
Industrial electrical control equipment (except railway and motor-vehicle controllers)	15,165	28,230	47,388	46,039	169,910
Insulated wire and cable	65,637	122,226	245,342	204,430	895,128
Magnet wire	10,141	16,899	29,805	25,431	381,825
Armored cable or conductor	4,411	6,845	8,917	12,985	23,914
Weatherproof and slow burning	51,085	12,344	22,680	20,856	76,256
Other		86,138	183,940	145,158	413,133
Radios, radio tubes and phonographs:					
Household radio receivers, television sets, radio phonographs, phonographs, and record players				186,404	810,066
Home radio receivers, socket powered				95,760	184,668
Radio-phonograph combinations (except television sets)	(3)	(3)	(3)	17,193	311,982
Phonographs and record players				22,506	81,432
Television sets				[5] 806	50,038
Automobile radios (broadcast receivers only)				27,444	102,560
Other				22,695	79,386
Electronic type components for communications and industrial electronic controls	(3)	(3)	(3)	75,340	348,916
Radio receiving type tubes (except ballast tubes, voltage regulators and indicators)	(3)	(3)	(3)	38,063	93,932
Transmitting and industrial type tubes except X-ray	(3)	(3)	(3)	5,116	25,321
Phonograph records	(3)	(3)	(3)	19,762	102,015
Switchboard apparatus (circuit breakers, panelboards, switchboards and switches):					
Panelboards and distribution boards		7,896	16,692	14,451	34,755
Knife, power and other switches		5,382	13,649	15,447	71,254
Circuit breakers		8,019	22,452	17,199	69,059
Power switchboards	(3)	9,008	21,221	18,133	115,216
Power switching equipment, power connectors, distribution cut outs and fuse links for 2,300 volts and over A. C. service		5,884	14,730	11,752	39,996
Telephone and telegraph apparatus (not incl. wireless)	21,180	43,584	115,883	94,496	631,919
Transformers (except for measuring instruments)	[6] 13,094	28,881	83,613	65,064	326,777
Wiring devices and supplies	38,948	63,559	109,529	[2] 103,601	[2] 375,653
X-ray equipment and X-ray tubes	(3)	(3)	(3)	12,619	49,559

[1] Includes parts and supplies.
[2] Not strictly comparable with data for earlier years.
[3] Not available.
[4] Includes X-ray tubes; for later years data are included in nonradio electronic tubes and X-ray tubes in "X-ray and therapeutic apparatus and electronic tubes" industry.
[5] Includes television sets and facsimile sets.
[6] Includes radio transformers.

Source: Department of Commerce, Bureau of the Census; Census or Manufactures reports.

No. 978.—Farm Machines and Equipment (Complete Units, Attachments, and Parts)—Sales, by Class: 1945 to 1949

[**In thousands of dollars.** Excludes data for tractors for nonfarm use. Revised to exclude miscellaneous farm equipment previously included. Beginning 1947, represents shipments, which do not differ significantly from sales]

CLASS	1945	1946	1947	1948	1949
Total	**700,177**	**850,478**	**1,294,686**	**1,733,746**	**1,814,790**
Farm machines and equipment (complete units)	490,504	622,674	975,988	1,334,345	1,421,599
Attachments and parts	209,673	227,804	318,698	399,401	393,191
COMPLETE UNITS, ATTACHMENTS, AND PARTS					
Plows and listers	40,163	50,694	83,529	100,605	99,594
Harrows, rollers, pulverizers, and stalk cutters	22,598	36,634	57,423	80,954	73,703
Planting, seeding, and fertilizing machinery	43,286	53,838	73,977	109,505	114,755
Cultivators and weeders	33,567	33,942	50,363	80,069	70,169
Sprayers and dusters	14,715	26,280	39,556	44,458	31,732
Harvesting machinery	99,361	113,725	191,570	247,820	290,555
Haying machinery	49,456	59,855	94,865	153,395	151,698
Machines for preparing crops for market or for use	25,230	36,046	42,013	42,216	35,251
Farm elevators and blowers	6,144	10,595	16,389	25,311	32,350
Tractors for farm use	262,999	316,523	536,360	742,551	821,763
Farm wagons, trucks, and other farm transportation equipment	15,864	28,470	36,014	38,918	24,208
Farm dairy machines and equipment	46,752	41,553	31,415	23,443	20,057
Barn equipment	7,087	9,554	11,802	13,207	10,050
Barnyard equipment	8,087	8,844	8,808	10,915	13,498
Farm poultry equipment	24,868	23,925	20,602	20,379	25,345

Source: Department of Commerce, Bureau of the Census; published in Facts for Industry Series M35A.

No. 979.—Farm Machines and Equipment, Attachments, and Parts—Sales: 1929 to 1949

[**In thousands of dollars.** Includes data for tractors for nonfarm use; for figures excluding these data, see table 978. Survey suspended 1932–34. Beginning 1947, represents shipments, which do not differ significantly from sales]

YEAR	Total	Farm machines and equipment	Attachments and parts	YEAR	Total	Farm machines and equipment	Attachments and parts
1929	492,992	411,681	81,311	1941	638,605	506,170	132,435
1930	417,926	340,276	77,650	1942	622,528	414,536	207,992
1931	208,575	157,745	50,830	1943	602,290	344,854	257,436
1935	277,089	218,462	58,627	1944	1,026,207	694,880	331,327
1936	375,128	301,683	73,445	1945	996,557	697,422	299,135
1937	485,130	405,597	79,533	1946	983,515	699,965	283,550
1938	404,047	316,886	87,161	1947	1,502,598	1,100,592	402,006
1939	386,549	300,286	86,263	1948	1,961,987	1,475,998	485,989
1940	462,415	360,963	101,452	1949	2,051,876	1,574,361	477,516

Source: Department of Commerce, Bureau of the Census; published in Facts for Industry Series M35A.

No. 980.—Tractors, Attachments, and Parts (Farm and Nonfarm)—Sales, by Kind: 1943 to 1949

[Value in thousands of dollars. Beginning 1947, represents shipments, which do not differ significantly from sales]

Year and type of product	Total value	Complete units				Attachments and parts	
		Farm		Nonfarm		Farm value	Nonfarm value
		Number	Value	Number	Value		
Total:							
1943	373,340	107,009	64,030	37,120	142,793	50,662	115,855
1944	655,938	258,117	170,153	53,877	262,832	76,959	145,994
1945	559,378	263,164	177,578	52,488	206,917	85,421	89,462
1946	449,561	364,725	221,840	32,119	77,292	94,684	55,745
1947	744,272	590,963	392,212	47,488	124,604	144,148	83,308
1948	970,792	697,633	547,704	41,053	141,653	194,847	86,588
1949	1,058,849	[1] 687,102	[1] 630,186	[1] 33,360	[1] 152,762	191,577	84,325
Wheel type:							
1943	101,361	94,550	55,944	9,317	7,273	35,874	2,270
1944	236,395	235,453	157,519	14,502	12,594	59,007	7,275
1945	250,069	224,985	153,170	18,707	15,726	74,695	6,478
1946	279,470	243,271	180,363	12,067	11,909	80,360	6,838
1947	475,086	413,783	331,653	14,882	17,682	117,586	8,165
1948	658,879	510,847	468,083	18,845	20,215	148,975	12,606
1949	717,531	[1] 538,651	[1] 545,465	[1] 9,554	[1] 17,820	146,785	7,461
Tracklaying type:							
1943	269,959	2,906	6,688	27,746	135,506	14,211	113,554
1944	416,137	6,221	10,415	38,966	250,168	16,866	138,698
1945	303,260	11,149	20,974	32,849	191,033	8,400	82,862
1946	142,150	8,808	18,118	17,367	64,817	10,569	48,646
1947	225,256	11,630	28,332	25,904	105,998	16,281	74,645
1948	268,930	17,365	49,569	22,208	112,438	32,941	73,982
1949	311,864	20,043	64,481	23,806	134,942	35,577	76,863
Garden type:							
1943	[2] 2,020	9,553	1,398	57	14	577	31
1944	3,406	16,443	2,219	409	70	1,086	31
1945	6,040	27,030	3,434	932	158	2,326	122
1946	27,941	112,556	23,359	2,685	566	3,755	261
1947	43,930	165,550	32,227	6,702	924	10,281	498
1948	42,983	169,421	30,052	(2)	(2)	12,931	(2)
1949	29,454	128,408	20,239	(2)	(2)	9,215	(2)

[1] Data for small number of nonfarm tractors included with "Farm."
[2] Included with "Farm."

Source: Department of Commerce, Bureau of the Census; published in Facts for Industry Series M35A.

No. 981.—Machine Tools—Shipments, by Major Types: 1947, 1948, and 1949

[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	1947		1948		1949	
	Number	Value ($1,000)	Number	Value ($1,000)	Number	Value ($1,000)
Total		322,356		277,521		241,370
Boring machines	1,444	25,825	1,268	24,008	1,212	29,430
Broaching machines	532	4,956	343	3,779	290	3,411
Drilling machines	(1)	33,517	10,125	32,816	6,305	25,271
Gear cutting and finishing machines	1,682	17,719	1,367	16,407	1,095	14,231
Grinding and polishing machines (except gear tooth grinding, honing, lapping, and buffing)	(1)	56,364	98,792	47,294	64,257	45,660
Lathes	(1)	92,908	20,322	81,106	18,631	62,289
Milling machines	7,504	35,278	6,064	34,914	4,397	31,400
Planers	152	4,018	157	4,828	99	3,699
Shapers (except gear shapers)	1,787	6,880	1,369	5,826	666	2,831
All other machine tools	(1)	44,891		26,463		23,148

[1] Not available.

Source: Department of Commerce, Bureau of the Census. Published in part in Facts for Industry Series M34A.

No. 982.—Air Conditioning and Commercial Refrigeration Equipment—Shipments by Manufacturers: 1940 to 1948

[**Value figures in thousands of dollars.** Statistics cover types normally sold as standard items and more important types of components and accessories. Data include a very limited amount of certain types specifically designed for special uses. Excluded are less important components and accessories such as switches, dehydrators, accumulators, valves, and surge drums and tanks. Companies included represent substantially all producers of equipment shown]

PRODUCT	SHIPMENTS OF COMPLETE UNITS					
	1940		1944		1945	
	Number	Value	Number	Value	Number	Value
Total unitary equipment	338,796	76,141	153,026	52,594	214,833	67,791
Walk-in coolers	5,156	2,706	5,682	5,082	6,960	6,801
Reach-in refrigerators	20,642	5,475	24,300	6,983	36,734	11,965
Bottled beverage-cooling equipment	78,397	11,254	929	283	6,493	1,409
Bulk beverage-dispensing equipment	20,504	4,571	329	221		
Display cases	36,363	16,281	7,600	4,186	9,520	5,145
Soda fountain equipment and ice cream cabinets	84,855	18,617	6,873	3,204	8,974	3,356
Soda fountain equipment	8,265	4,877	503	372	1,555	780
Ice cream cabinets, hardening and dispensing	74,281	11,940	2,660	641	7,419	2,576
Counter freezers	2,309	1,800	3,710	2,190		
Frozen food cabinets	9,608	1,959	2,289	754	6,861	1,803
Farm and dairy-milk coolers	(1)	(1)	28,552	4,756	38,601	5,818
Drinking-water coolers	44,846	4,632	55,895	6,562	82,915	10,506
Laboratory and industrial freezing equipment	(1)	(1)	1,100	931	1,123	673
Ice-making machines	1,045	628	3,665	3,351	2,805	4,044
Air-conditioning units—store type	5,880	4,467	4,468	3,615	13,847	10,903
Absorption systems	(2)	831	(2)	2,410	(2)	5,368
Special refrigeration units and systems for war purposes			11,015	10,183	(2)	(2)
Miscellaneous air-conditioning and refrigeration equipment	31,500	4,719	329	71	(2)	(2)

PRODUCT	TOTAL SHIPMENTS [3]		DOMESTIC SHIPMENTS		TOTAL SHIPMENTS [3]		DOMESTIC SHIPMENTS	
	Number	Value	Number	Value	Number	Value	Number	Value
	1940				1945			
Total components and accessories		45,405		42,483		71,896		67,885
Condensing units	211,021	18,808	197,564	17,423	354,401	36,902	338,157	34,449
Ammonia refrigerants	985	964	902	893	1,785	2,503	1,642	2,334
Refrigerants except ammonia	210,036	17,844	196,662	16,530	352,616	34,399	336,515	32,115
Air-cooled	187,468	12,313	175,153	11,323	327,031	23,378	313,058	22,212
Water-cooled	22,568	5,531	21,509	5,207	25,585	11,021	23,457	9,904
Compressors and compressor units	84,880	7,084	63,096	6,344	107,340	9,578	104,051	8,852
Centrifugal refrigeration machines	112	2,404	101	2,237	185	2,993	181	2,932
Heat-exchanger equipment		17,110		16,478		22,422		21,652
Evaporative condensers	2,413	1,769	2,212	1,666	2,885	2,829	2,664	2,609
Unit coolers	63,417	7,076	60,826	6,721	91,003	10,187	88,153	9,870
Other heat-exchanger equipment		8,265		8,091		9,407		9,173
	1947				1948			
Total components and accessories		191,147		175,489		163,099		150,596
Condensing units	1,039,772	98,296	973,998	90,145	818,862	71,993	774,417	65,922
Ammonia refrigerants	1,646	2,107	1,426	1,862	1,129	1,799	939	1,535
Refrigerants except ammonia	973,093	96,224	907,539	82,318	817,733	70,194	773,478	64,387
Air-cooled	924,553	73,742	862,645	67,500	774,351	55,379	732,911	50,675
Water-cooled	48,540	16,482	44,894	14,818	43,382	14,815	40,567	13,712
Not reported by type	65,033	5,965	65,033	5,965				
Compressors and compressor units	(2)	34,586	(2)	30,962	459,390	33,493	449,053	30,442
Centrifugal refrigeration machines	563	7,889	512	7,014	361	10,351	338	9,732
Heat-exchanger equipment		50,376		47,368		47,262		44,500
Evaporative condensers	5,997	7,106	5,550	6,650	5,521	7,455	5,086	6,752
Unit coolers	141,163	19,611	129,560	18,134	102,223	17,524	95,418	16,419
Other heat-exchanger equipment		23,658		22,583		22,288		21,329

[1] Not called for separately. [2] Not available. [3] Includes export shipments, not shown separately.

Source: Department of Commerce, Bureau of the Census; published in Facts for Industry Series M52A.

No. 983.—Motion-Picture Production—Summary: 1921 to 1947

[Money figures in thousands of dollars]

Year, type of work, and division	Number of establishments	All employees: Number (average for the year)	All employees: Salaries and wages, total	Total expenses other than salaries and wages	Total cost of work done during the year
United States					
1921	127	10,659	$37,693	(1)	$77,397
1923	97	9,904	38,425	(1)	86,418
1925	132	11,518	49,017	$44,619	93,636
1927	142	16,013	74,936	59,407	134,343
1929	142	19,602	85,028	99,074	184,102
1931	140	[2] 14,839	[2] 70,637	(1)	154,436
1933	92	19,037	71,344	47,999	119,343
1935	129	27,592	104,430	57,435	161,865
1937	83	32,398	139,551	58,190	197,741
1939	178	35,345	142,543	73,157	215,700
1947	277	34,799	293,046	167,097	460,143
Type of work, 1947					
Theatrical-film producers	100	27,549	261,276	121,806	383,082
Nontheatrical-film producers	127	2,445	8,746	9,613	18,359
Laboratories and other service organizations	50	4,805	23,024	35,678	58,702
Division, 1947					
New England	4	17	50	112	162
Middle Atlantic	79	3,701	15,549	29,643	45,192
East North Central	28	1,219	4,216	3,435	7,651
West North Central	10	181	495	1,042	1,537
South Atlantic	4	43	197	433	630
South Central	7	88	204	146	350
West	145	29,550	272,335	132,286	404,621
Los Angeles Metropolitan Area	130	29,393	271,074	131,206	403,180
Other West	15	157	861	1,080	1,441

[1] Not available.
[2] Represents production-department employees only; not comparable other years.

Source: Department of Commerce, Bureau of the Census; 1947 Census of Manufactures reports.

No. 984.—Motion-Picture Production—Work Done During Year: 1939 and 1947

[Money figures in thousands of dollars]

Type of work done	1939 Number	1939 Cost of work done during year [1]	1947 Number	1947 Cost of work done during year [1]
Motion pictures, total	------	215,700	------	460,143
Theatrical films, total	------	186,776	------	352,530
Negative films:				
Feature subjects, 3,000 feet or over in length:				
Color-process	27	14,356	68	43,703
Black-and-white	493	117,830	348	165,432
Short subjects (other than news reels), under 3,000 feet in length:				
Color-process	125	1,723	253	4,417
Black-and-white	(2)	4,252	187	2,344
News reels	------	4,441	------	5,344
Positive films (cost, excl. cost of producing negatives): [3]				
Color-process	------	6,416	----	4,680
Black-and-white	------		----	6,718
Unfinished production (cost of work done during year)	------	37,758	------	119,892
Nontheatrical films, total	------	6,573	------	17,537
Advertising films:				
Color-process	------	961	------	1,929
Black-and-white	------	742	------	2,461
Educational films:				
Color-process	------	[4] 118	------	1,729
Black-and-white	------	[4] 608	------	2,497
Industrial films:				
Color-process	------	305	------	1,768
Black-and-white	------	1,870	------	3,040
Other films	------	[4] 1,426	------	851
Unfinished production (cost of work done during year)	------	543	------	3,262
Receipts for use of studio facilities	------	1,420	------	26,720
Receipts for laboratory work (including developing and printing done for others)	------	18,594	------	53,329
Value of other work done	------	2,337	------	10,027

[1] Represents cost of producing motion-picture films, receipts for use of studio facilities, receipts for laboratory work, and value of other work done.
[2] Not available.
[3] Represents cost of positive films made during year by establishments which performed laboratory work in connection with production of theatrical films. Data on cost of positive films made by outside laboratories included in "Receipts for laboratory work."
[4] Probably some "Educational films" were included as "Other films."

Source: Department of Commerce, Bureau of the Census; 1947 Census of Manufactures reports.

No. 985.—Alaska—Manufactures, by Industries: 1899 to 1939

[Figures for 1939 do not include data for plants reporting products valued at less than $2,000; those for earlier years cover all plants having products valued at $500 or more. This increase in minimum value-of-products limit resulted in some reduction in "Number of establishments" reported as compared with what it would have been had minimum of $500 been retained, but did not seriously impair comparableness of figures for 1939 with those for earlier years. Comparable figures for earlier years are given for all industries for which such figures are available]

INDUSTRY	Census year	Number of establishments	Wage earners (average for the year)	Wages	Cost of materials, etc., fuel, electric energy	Value of products	Value added by manufacture [1]
				Dollars	*Dollars*	*Dollars*	*Dollars*
All industries, total	[2] 1939	230	4,816	6,883,988	20,916,757	38,815,436	17,898,679
	1919	147	6,575	8,839,452	19,482,485	41,495,243	22,012,758
	1909	152	3,099	1,948,026	5,119,613	11,340,105	6,220,492
	1899	48	2,260	1,374,680	1,762,583	4,194,421	2,431,838
Boat building and repairing	1939	7	34	23,950	59,800	149,739	89,939
	1909	6	8	2,440	3,139	10,330	7,191
Bread and other bakery products	1939	24	51	67,497	233,216	408,464	175,248
	1909	8	24	41,900	71,099	141,110	70,011
Fish canning and processing	1939	140	4,308	6,288,175	19,990,289	36,367,663	16,377,374
	1919	104	6,085	8,136,659	18,535,578	39,160,922	20,625,344
	1909	46	2,717	1,457,587	4,053,094	9,189,982	5,136,888
	1899	36	2,092	[3] 1,243,000	[3] 1,588,000	[3] 3,821,000	[3] 2,233,000
Ice, manufactured	1939	4	12	18,566	10,080	77,776	67,696
Lumber and timber products	1939	21	250	287,376	309,416	900,111	590,695
	1919	22	222	327,292	311,439	950,256	638,817
	1909	22	131	108,201	168,504	400,272	231,768
	1899	10	78	[3] 56,000	[3] 67,000	[3] 155,000	[3] 88,000
Machine shops	1939	7	10	20,250	44,951	112,702	67,751
Printing and publishing	1939	15	109	129,701	81,916	415,877	333,961
	1909	16	64	100,403	36,392	228,192	191,800
All other industries	1939	[4] 12	40	48,473	187,089	383,104	196,015
	1919	21	268	375,501	635,468	1,384,065	748,597
	1909	54	155	237,495	787,385	1,370,219	582,834
	1899	2	90	[3] 76,000	[3] 108,000	[3] 218,000	[3] 110,000

[1] Value of products less cost of materials, etc., fuel, and purchased electric energy.
[2] Figures for 1939 cover the 12-month period ended Sept. 30, 1939.
[3] Exact figures not available.
[4] Beverages, nonalcoholic, 1 establishment; concrete products, 2; confectionery, 1; ice cream, 2; liquors, malt, 2; sheet-metal work, 2; wire netting, 2. Figures for these industries are combined to avoid disclosing data reported by individual establishments.

Source: Department of Commerce, Bureau of the Census; 1939 Census of Manufactures reports.

No. 986.—Hawaii—Manufactures, by Industries: 1899 to 1939

[See headnote, table 985]

INDUSTRY	Census year	Number of establishments	Wage earners (average for the year)	Wages	Cost of materials, etc., fuel, electric energy, contract work	Value of products	Value added by manufacture [1]
				Dollars	*Dollars*	*Dollars*	*Dollars*
All industries, total	1939	474	17,002	11,458,311	75,651,675	134,005,264	58,353,589
	[2] 1919	496	9,969	6,636,763	81,178,056	133,096,412	51,917,456
	[2] 1909	500	5,904	2,108,903	25,817,734	47,403,880	21,586,146
	[2] 1899	222	3,655	1,473,000	12,251,000	23,354,000	11,103,000
Food and kindred products: [3]							
Bread and other bakery products	1939	76	534	413,558	1,625,458	2,949,064	1,323,606
	1919	30	195	87,958	826,838	1,129,294	302,456
	1909	46	107	35,560	219,575	343,520	123,945
	1899	8	4	1,000	5,000	10,000	5,000
Beverages, alcoholic (distilled liquors, malt liquors, sake, and wines). [4]	1939	[5] 9	254	249,569	705,194	2,118,907	1,413,713
Beverages, nonalcoholic	1939	27	121	97,355	356,302	816,235	459,933
	1919	32	157	88,534	251,763	518,569	266,806
	1909	22	83	35,391	74,312	194,273	119,961
	1899	7	35	11,000	25,000	89,000	64,000

For footnotes, see p. 824.

No. 986.—Hawaii—Manufactures, by Industries: 1899 to 1939—Continued

INDUSTRY	Census year	Number of establishments	Wage earners (average for the year)	Wages	Cost of materials, etc., fuel, electric energy, contract work	Value of products	Value added by manufacture [1]
				Dollars	*Dollars*	*Dollars*	*Dollars*
Food and kindred products—Con.							
Cane sugar [6]	1939	35	4,371	2,894,420	30,482,432	49,250,987	18,768,555
	1919	43	3,143	2,027,128	45,899,268	80,236,244	34,336,976
	1909	46	2,517	781,280	18,721,621	35,949,822	17,228,201
	1899	44	2,369	748,000	9,778,000	19,255,000	9,477,000
Coffee deparchmentizing	1939	9	39	19,555	401,422	464,321	62,899
	1919	10	39	20,516	875,463	1,050,752	175,289
	1909	5	71	12,100	250,705	297,263	46,558
	1899	6	47	9,000	60,000	95,000	35,000
Confectionery	1939	9	25	17,891	56,176	98,354	42,178
	[7] 1919	20	102	51,279	393,147	587,330	194,183
	1909	6	21	6,330	23,574	43,162	19,588
Fruit canning and preserving	1939	18	7,949	4,577,867	24,549,416	48,692,282	24,142,866
	1919	9	2,855	1,391,522	10,772,745	18,997,975	8,225,230
	1909	10	816	174,502	926,591	1,591,073	664,482
Canned pineapple and pineapple juice.	1939	9	7,900	4,552,667	24,462,105	48,540,806	24,078,701
Jellies, preserves, etc	1939	9	49	25,200	87,311	151,476	64,165
Ice cream	1939	10	111	89,004	598,154	1,262,777	664,623
Ice, manufactured	1939	6	66	85,797	42,940	228,642	185,702
	1909	5	40	23,963	21,386	107,111	85,725
	1899	4	19	12,000	16,000	57,000	41,000
Macaroni and noodles	1939	8	26	16,499	40,503	86,067	45,564
	1919	4	17	8,936	76,517	97,799	21,282
Native foods	1939	56	121	64,080	331,861	599,010	267,149
Fish cakes	1939	4	26	18,967	67,921	110,005	42,084
Poi	1939	34	86	39,283	173,283	343,561	170,278
Sugar and rice cakes	1939	8	4	2,184	68,725	105,136	36,411
Tofu	1939	10	5	3,646	21,932	40,308	18,376
Pickled fruits and vegetables; vegetable sauces.	1939	6	4	1,337	16,390	38,224	21,834
	1919	3	4	1,447	22,816	34,481	11,665
	1909	6	13	2,522	17,133	33,572	16,439
Potato chips; taro chips	1939	6	17	9,433	23,621	45,372	21,751
Chemicals and fertilizers	1939	6	189	180,984	1,525,294	2,160,108	634,814
Clothing, men's (including shirts) and women's.	1939	16	303	149,125	479,079	777,089	298,010
	1919	15	26	11,868	37,960	79,402	41,442
	1909	4	3	600	3,985	7,630	3,645
Concrete products; stone products; lime; pottery.[4]	1939	[8] 7	122	107,366	440,146	810,871	370,725
Footwear	1939	6	34	17,899	55,178	88,929	33,751
	1919	12	23	12,513	33,622	64,419	30,797
	1909	14	81	17,159	78,120	126,475	48,355
	1899	14	39	11,000	20,000	47,000	27,000
Furniture	1939	12	71	66,348	97,951	243,247	145,296
	1919	5	10	9,345	8,523	29,169	20,646
	1909	6	54	14,741	38,663	69,752	31,089
Furniture, household (except upholstered).	1939	4	9	7,264	6,876	23,036	16,160
Furniture, upholstered	1939	4	34	28,088	54,629	128,458	73,829
Furniture and fixtures, office and store.	1939	4	29	30,996	36,446	91,753	55,307
Iron castings; steel products; machine-shop products.[4]	1939	[9] 7	95	117,839	148,708	358,163	209,455
Jewelry; silverware; electroplating [4]	1939	[10] 8	28	29,447	21,757	106,419	84,662
	1919	6	36	26,414	46,432	107,963	61,531
	1909	6	54	24,143	51,006	111,335	60,329
Mattresses and bed springs	1939	5	18	11,610	56,677	94,605	37,928
	1919	5	15	11,844	30,389	54,035	23,646
	1909	6	21	7,511	16,137	37,908	21,771
Picture frames; Venetian blinds [4]	1939	[11] 4	36	31,722	82,572	155,984	73,412
Planing-mill products [12]	1939	10	161	181,556	462,558	824,498	361,940
	1919	8	135	118,717	422,916	612,906	189,990
	1909	8	254	109,647	97,459	281,325	183,866
	1899	3	35	22,000	42,000	91,000	49,000
Printing, publishing, and allied activities.	1939	56	783	880,421	963,976	4,147,337	3,183,361
	1919	49	576	407,055	377,109	1,338,955	961,846
	1909	37	319	146,830	102,442	434,779	332,337
	1899	10	132	22,000	33,000	200,000	167,000
Newspaper publishing and printing, or publishing only.	1939	25	573	636,178	570,920	2,928,138	2,357,218

For footnotes, see p. 824.

No. 986.—HAWAII—MANUFACTURES, BY INDUSTRIES: 1899 TO 1939—Continued

INDUSTRY	Census year	Number of establishments	Wage earners (average for the year)	Wages	Cost of materials, etc., fuel, electric energy, contract work	Value of products	Value added by manufacture [1]
Printing, publishing, and allied activities—Con.				*Dollars*	*Dollars*	*Dollars*	*Dollars*
Periodical publishing and printing, or publishing only	1939	6	8	5,293	19,001	42,073	23,072
Book publishing and printing or publishing only; job printing; lithographing; photoengraving [4]	1939	[13] 25	203	238,950	374,055	1,177,126	803,071
Signs, neon	1939	3	7	8,492	19,528	45,766	26,238
Soap	1939	3	3	1,639	8,592	20,347	11,755
Wood products, not elsewhere classified	1939	8	95	50,826	37,365	108,576	71,211
All other industries	1939	[14] 48	1,422	1,086,672	12,022,425	17,413,083	5,390,658
	1919	245	2,636	2,361,687	21,103,448	28,157,119	7,053,671
	1909	273	1,450	716,624	5,175,025	7,774,880	2,599,855
	1899	126	975	637,000	2,272,000	3,510,000	1,238,000

[1] Value of products less cost of materials, etc., fuel, purchased electric energy, and contract work.
[2] Figures include data for coffee roasting and spice grinding which are no longer treated as manufacturing activities.
[3] Except butter and cheese, canned tuna, rice cleaning and polishing, meat packing and sausage manufacturing, and vegetable oils and sirups. See note 14.
[4] Combined to avoid disclosing, exactly or approximately, data for individual establishments or companies.
[5] Distilled liquors, 1 establishment; malt liquors, 2; sake, 5; wines, 1.
[6] Figures for this industry relate solely to sugar mills, and do not include data for sugarcane plantations.
[7] Reported as confectionery and ice cream.
[8] Concrete products, 2 establishments; stone products, 2; lime, 2; pottery, 1.
[9] Iron castings, 1 establishment; steel products, 4; machine-shop products, 2.
[10] Jewelry, 6 establishments; silverware, 1; electroplating, 1.
[11] Picture frames, 1 establishment; Venetian blinds, 3.
[12] Products of planing mills not operated in conjunction with sawmills.
[13] Book publishing and printing, or publishing only, 2 establishments; job printing, 21; lithographing, 1; photoengraving, 1.
[14] Boat building and repairing, 5 establishments; brooms, 2; butter and cheese, 3; canned tuna, 3; caskets, 1; cushions, pillows, and quilts, 1; drugs, medicines, perfumes, 3; insulation board, 1; lighting fixtures, 1; machinery, farm, 1; machinery, sugar-mill, 1; mats, 1; meat packing, sausage manufacturing, 6; paper goods, 5; prepared feeds, 1; rice cleaning and polishing, 2; skirts, hula, 1; suitcases and trunks, 1; tin cans, 7; vegetable oils and sirups, 2. Figures for these industries are combined to avoid disclosing data reported by individual establishments.

Source: Department of Commerce, Bureau of the Census; 1939 Census of Manufactures reports.

No. 987.—Puerto Rico—Manufactures, by Industries: 1909 to 1939

[See headnote, table 985]

INDUSTRY	Census year	Number of establishments	Wage earners (average for the year)	Wages	Cost of materials, etc., fuel, electric energy, contract work	Value of products	Value added by manufacture [1]
				Dollars	*Dollars*	*Dollars*	*Dollars*
All industries, total	1939	798	23,484	9,220,251	76,280,773	111,499,641	35,218,868
	[2] 1919	619	15,985	6,765,604	59,985,058	85,506,834	25,521,776
	[2] 1909	939	15,582	3,639,196	21,500,618	36,749,742	15,249,124
Food and kindred products: [3]							
Bread and other bakery products.	1939	219	1,470	530,573	1,853,111	3,067,773	1,214,662
	1919	152	880	514,140	3,426,050	4,761,192	1,335,142
	1909	258	1,197	366,107	1,173,745	1,729,886	556,141
Bread and other bakery products, except crackers.	1939	212	1,143	460,129	1,614,952	2,636,533	1,021,581
Crackers	1939	7	327	70,444	238,159	431,240	193,081
Beverages, nonalcoholic	1939	10	93	30,702	145,466	277,014	131,548
	1919	11	56	20,739	49,647	134,402	84,755
Candy; chocolate and cocoa	1939	6	42	10,620	79,546	108,559	29,013
	1909	4	12	3,086	26,814	39,969	13,155
Cane sugar—except refineries [4]	1939	40	7,765	4,501,813	38,880,800	55,377,402	16,496,602
	1919	55	7,490	2,832,022	40,139,359	56,411,932	16,272,573
	1909	108	5,062	1,227,585	12,280,994	20,569,348	8,288,354
Cane-sugar refining [4]	1939	4	1,893	239,313	10,340,938	12,510,477	2,169,539
Canned fruits and vegetables	1939	5	304	35,432	135,375	239,149	103,774
	1909	4	48	4,831	26,930	38,003	11,073
Cheese	1939	3	9	3,020	36,795	48,958	12,163
Corn meal	1939	4	8	2,180	21,991	30,241	8,250
	1919	10	11	5,085	84,558	115,916	31,358
	1909	--------	4	597	9,017	12,401	3,384
Ice cream and ices	1939	6	27	11,960	43,584	70,927	27,343
Ice, manufactured	1939	25	285	107,939	118,697	500,765	382,068
	1919	13	86	35,882	86,112	248,889	162,777
	1909	6	38	9,965	29,427	99,927	70,500
Liquors, distilled	1939	9	340	152,695	930,927	1,918,934	988,007
	1909	14	58	15,871	144,129	1,117,084	972,955
Liquors, rectified or blended	1939	28	316	89,754	1,550,465	2,198,363	647,898
Vermicelli, soup paste, and noodles.	1939	8	154	69,156	249,382	420,844	171,462
Wines	1939	4	43	8,026	25,932	46,137	20,205
Caskets	1939	6	8	2,568	6,439	16,735	10,296
Drugs and medicines	1939	13	64	19,025	91,771	180,504	88,733
	1919	10	20	7,333	116,479	193,181	76,702
Fertilizers	1939	8	235	107,792	3,163,761	3,863,043	699,282
Furniture and showcases	1939	[5] 45	687	171,540	379,336	744,202	364,866
Leather and leather goods	1939	[6] 12	53	15,890	54,899	98,930	44,031
	1919	31	140	67,555	185,878	326,595	140,717
	1909	66	358	72,539	191,229	370,463	179,234
Lime	1939	8	90	27,203	62,407	150,777	88,370
	1919	19	62	19,074	21,159	58,014	36,855
	1909	12	28	2,842	7,812	14,149	6,337
Machinery	1939	6	475	271,972	488,548	1,146,696	658,148

For footnotes, see p. 826.

No. 987.—PUERTO RICO—MANUFACTURES, BY INDUSTRIES: 1909 TO 1939—Continued

INDUSTRY	Census year	Number of establishments	Wage earners (average for the year)	Wages	Cost of materials, etc., fuel, electric energy, contract work	Value of products	Value added by manufacture [1]
				Dollars	*Dollars*	*Dollars*	*Dollars*
Metal products	1939	[7] 11	144	63,735	53,890	170,237	116,347
	[8] 1919	5	271	192,610	388,077	749,268	361,191
	[8] 1909	6	188	63,556	57,634	178,210	120,576
Needlework industries	1939	136	6,378	1,575,814	[9] 13,323,273	[10] 20,778,267	[11] 7,454,994
Perfumes, cosmetics, and other toilet preparations.	1939	13	74	19,690	141,850	234,978	93,128
Planing-mill products [12]	1939	12	110	55,131	129,285	258,390	129,105
	1909	8	123	39,996	178,418	268,719	90,301
Printing, publishing, and allied activities.	1939	59	654	329,217	559,860	1,606,975	1,047,115
	1919	35	311	187,100	260,638	671,587	410,949
	1909	43	353	97,720	146,772	370,559	223,787
Newspapers	1939	12	201	119,676	250,669	840,978	590,309
Periodicals	1939	5	50	35,121	51,626	131,252	79,626
Books; job printing; photoengraving.	1939	[13] 42	402	174,420	257,565	634,745	377,180
Stone and clay products	1939	15	164	62,045	95,168	254,623	159,455
	1919	8	21	6,771	5,242	30,063	24,821
Floor and wall tiles (except quarry).	1939	9	117	45,742	58,898	132,365	73,467
Brick and hollow structural tile; sewer pipe; other concrete and stone products.	1939	[14] 6	47	16,303	36,270	122,258	85,988
Textile products and other fibre manufactures.	1939	[15] 10	308	161,591	290,116	571,023	280,907
Tobacco products	1939	47	445	123,615	451,554	740,694	289,140
	1919	183	5,098	2,267,204	3,039,541	8,134,534	5,094,993
	1909	282	7,025	1,479,567	2,059,315	6,060,393	4,001,078
Cigars and cigarettes	1939	42	415	119,706	435,681	713,484	277,803
Tobacco, chewing and smoking	1939	5	30	3,909	15,873	27,210	11,337
Other industries	1939	[16] 26	847	420,231	2,575,607	3,868,024	1,292,417
	1919	87	1,539	610,089	12,182,318	13,671,261	1,488,943
	1909	123	1,088	254,934	5,168,382	5,880,631	712,249

[1] Value of products less cost of materials, supplies, containers, fuel, purchased electric energy, and contract work.
[2] Figures include data for coffee cleaning and polishing, which is now treated as an agricultural activity and therefore was not covered by the 1939 Census of Manufactures.
[3] Except "Liquors, malt," and "Foods, miscellaneous." See footnote 16.
[4] The figures for this industry do not include data for sugar-cane plantations.
[5] Household furniture, 40 establishments; mattresses, 2; office furniture, 1; show cases, 2.
[6] Footwear, except rubber, 9 establishments; leather, tan, 1; saddlery, 1; other goods, 1.
[7] Aluminum products, 1 establishment; ornamental ironwork, 3; sheet-metal work, 3; tin cans, 3; watch parts, 1.
[8] Reported as "Foundry and machine-shop products."
[9] Estimated in part by use of ratios derived from reports made for corresponding classes of establishments operated in the United States.
[10] As part of the establishments engaged in contract work reported receipts for work done on materials owned by others, and part reported actual values of goods made, all returns have been converted to estimated value of products.
[11] This figure is inflated to the extent to which it includes amounts paid for outside work.
[12] Products of planing mills not reported in conjunction with sawmills.
[13] Books, 1 establishment; job printing, 40; photoengraving, 1.
[14] Brick and hollow structural tile, 2 establishments; sewer pipe, 1; other concrete and stone products, 3.
[15] Awnings, 1 establishment; hats, felt and linen, 2; hats, straw, 4; hosiery, full-fashioned, 1; rugs, string, 1; rugs, wool, 1.
[16] Bus bodies, 1 establishment; buttons, pearl, 2; compressed and liquefied gases, 2; cottonseed oil and meal, 1; diamond cutting, 1; foods, miscellaneous, 5; liquors, malt, 2; matches, 1; novelties, mahogany, 1; oxcarts and truck bodies, 1; paperboard containers, 1; salt, 1; signs, neon, 1; soap, 2; tires, retreading, 1; trunks, 3.

Source: Department of Commerce, Bureau of the Census; 1939 Census of Manufactures reports.

31. Foreign Commerce

(Including International Transactions)

International transactions.—The statistics shown for international receipts and payments, foreign investment, and foreign grants and credits were compiled in the Office of Business Economics of the Department of Commerce.

The international accounts of the United States prepared by the International Economics Division, Office of Business Economics, comprise the international balance of payments (table 988) and the international investment position (table 989). The balance of payments shows for given time periods, e. g., one year, the transfers of assets and the form of compensation for these transfers between this country and the rest of the world; the international investment position indicates for specific dates the value of United States investments abroad and of foreign investments in the United States. The two types of accounts, however, are not strictly comparable; the transfers of assets between countries as shown in the balance of payments is only one of the factors affecting the value of foreign investments. Other factors not shown in the balance of payments are changes in security values and revaluation of assets, and reinvested earnings and losses. For a detailed discussion and analysis of these accounts, see the Department of Commerce publications, *International Transactions of the United States during the War, 1940–45*, *Economic Seies No. 65, 1948*, and *The Balance of International Payments of the United States, 1946–48*, published in 1949. For current data, see the monthly *Survey of Current Business*.

Foreign aid has been defined to comprise two categories—grants and credits. Grants are largely outright gifts for which no payment is expected, or which at most involve an obligation on the part of the receiver to extend reciprocal aid to the United States or other countries to achieve a common objective. Credits are loans or other agreements which give rise to specific obligations to repay, usually over a period of years. In some instances assistance has been given with the understanding that a decision as to repayment will be made at a later date. Such assistance is included in grants until such time as an agreement is reached to repay. When repayments are made in cash or long-term credits are established, the grants are reduced accordingly. All known returns to the United States Government stemming from grants and credits are also taken into account.

Tables 990–993 on United States Government grants and credits utilized by foreign countries and reverse grants and credit repayments received by the Government from abroad were prepared by the Clearing Office for Foreign Transactions, Office of Business Economics. These tables also include estimates of the grants remaining unused, data on unutilized credits, including the uncommitted foreign lending authority of Government agencies, and the outstanding foreign indebtedness (excluding World War I debts) at the end of 1949.

Data on United States Government foreign transactions are obtained from Federal agencies which report such transactions to the Clearing Office under Budget-Treasury Regulations or other administrative arrangements. Detailed information on the statistics provided in tables 990–993, and on other foreign activities of the Government, is provided in the regular quarterly reports of the Clearing Office.

The major activities of the Economic Cooperation Administration are summarized in tables 994 to 997, prepared by the Division of Statistics and Reports of that agency. Data are presented on the European Program (known more familiarly as the "Marshall Plan") and the separate programs for Korea and China.

In the ECA tables, colonies and overseas territories of European countries are reported with mother countries; the Saar is shown with France. Commodity groups shown are based on the Economic Cooperation Administration commodity classification. In determining the various reporting groups, an attempt has been made to align the coverage of the summary groups shown in these tables as closely as possible with that of reports on United States exports originating in the Bureau of the Census.

These and other data are published in more detail in the several monthly publications of the Division of Statistics and Reports of the Economic Cooperation Administration which may be obtained directly from the Economic Cooperation Administration, Washington 25, D. C.

Foreign trade.—Statistics on foreign trade are compiled by the Bureau of the Census of the Department of Commerce. Annual statistics through 1946 are published in the annual report, *Foreign Commerce and Navigation of the United States.* Preliminary statistics for later years are from current corrected data. Monthly data are published in the *Monthly Summary of Foreign Commerce of the United States* and other monthly reports of the foreign trade series. For a complete list of these reports see *Catalog of United States Foreign Trade Statistical Publications* issued by the Bureau of the Census.

Statistics covering shipments made after World War II under the Department of the Army Civilian Supply Program are included in the export statistics for 1948 but not for earlier years. Shipments to United States armed forces for their own use are not included in export statistics for any period. Export data include United States exports under the Lend-Lease, United Nations Relief and Rehabilitation Administration, Economic Cooperation Administration, and other foreign aid programs. (See table 999.)

Except as noted (as, for example, in table 1022) the values stated are in United States dollars without reference to changes in the gold content of the dollar. (The statutory price of gold—$20.67 per ounce—in effect prior to Jan. 31, 1934, was changed on that date by Executive Order to $35 per ounce. Between Mar. 10, 1933, and Jan. 31, 1934, the foreign exchange value of the dollar was permitted to depreciate as a result of the restriction placed on gold shipments to foreign countries.) The geographic area covered by these statistics, except as noted, is the United States customs area, which includes Alaska, Hawaii, and Puerto Rico, and from Jan. 1, 1935, through Dec. 31, 1939, the Virgin Islands (see headnote, table 1003). Other explanations of the trade tables are given in the introduction to the annual report, *Foreign Commerce and Navigation of the United States.*

Historical statistics.—In this section, tabular headnotes (as "See also *Historical Statistics,* series M 42–55") provide cross references, where applicable, to *Historical Statistics of the United States, 1789–1945.* In that historical supplement to the *Statistical Abstract,* statistics are carried back year by year as far as possible. See also the historical appendix of the present issue of the *Abstract* for specific titles of series and the earliest year shown in the supplement.

No. 988.—International Transactions of the United States: 1944 to 1949

[In millions of dollars. 1949 data preliminary. For revised presentation, 1946–49, see *Survey of Current Business*, June 1950. See also *Historical Statistics*, series M 14–41]

ITEM	1944	1945	1946	1947	1948	1949
Receipts, total	24,485	19,787	16,510	21,434	18,373	17,442
Goods and services, total	21,438	16,273	14,966	19,741	16,791	15,914
Goods	16,969	12,473	11,874	16,056	13,445	12,401
Income on investments	572	589	820	1,074	1,263	1,328
Other services	3,897	3,211	2,272	2,611	2,083	2,185
Unilateral transfers [1]	2,407	2,922	362	605	451	443
Long-term capital, total	640	592	1,182	1,088	1,131	1,085
Movements of U. S. capital invested abroad	406	541	1,181	1,030	1,022	787
Movements of foreign capital invested in U. S.	234	51	1	58	109	298
Payments, total	26,154	22,258	15,191	20,277	18,689	17,995
Goods and services, total	8,986	10,232	7,167	8,463	10,481	9,831
Goods	5,589	5,666	5,168	6,071	7,697	7,134
Income on investments	161	231	216	227	291	296
Other services	3,236	4,335	1,783	2,165	2,493	2,401
Unilateral transfers [1]	16,549	10,035	3,239	2,985	4,860	6,066
Long-term capital, total	619	1,991	4,785	8,829	3,348	2,098
Movements of U. S. capital invested abroad	560	1,836	4,437	8,665	3,073	1,925
Movements of foreign capital invested in U. S.	59	155	348	164	275	173
Excess of receipts (+) or payments (−), total	−1,669	−2,471	+1,319	+1,157	−316	−553
Goods and services	+12,452	+6,041	+7,799	+11,278	+6,310	+6,083
Unilateral transfers [1]	−14,142	−7,113	−2,877	−2,380	−4,409	−5,623
Net goods and services and unilateral transfers	−1,690	−1,072	+4,922	+8,898	+1,901	+460
Long-term capital	+21	−1,399	−3,603	−7,741	−2,217	−1,013
Net inflow (+) or outflow (−) of funds on gold and short-term capital account, total	+1,706	+2,463	−1,474	−2,161	−926	−190
Net increase (−) or decrease (+) in gold stock	+1,350	+548	−623	−2,163	−1,530	−164
Net movement of U. S. short-term capital abroad	−153	−274	−175	−299	+129	+8
Net movement of foreign short-term capital in U. S.	+509	+2,189	−676	+301	+475	−34
Errors and omissions	−37	+8	+155	+1,004	+1,242	+743

[1] Unilateral transfers indicate amount of contributions in kind or in cash thru Lend-lease, U. N. R. R. A., E. C. A., personal and institutional remittances, and similar channels. Thus, payments of receipts under unilateral transfers in most cases offset exports or imports, respectively, of goods and services for which present or future compensation is not required.

Source: Department of Commerce, Office of Business Economics; International Transactions of the United States During the War, 1940–45, and The Balance of International Payments of the United States, 1946–48; current data published in Survey of Current Business.

No. 989.—International Investment Position of the United States: 1939 to 1948

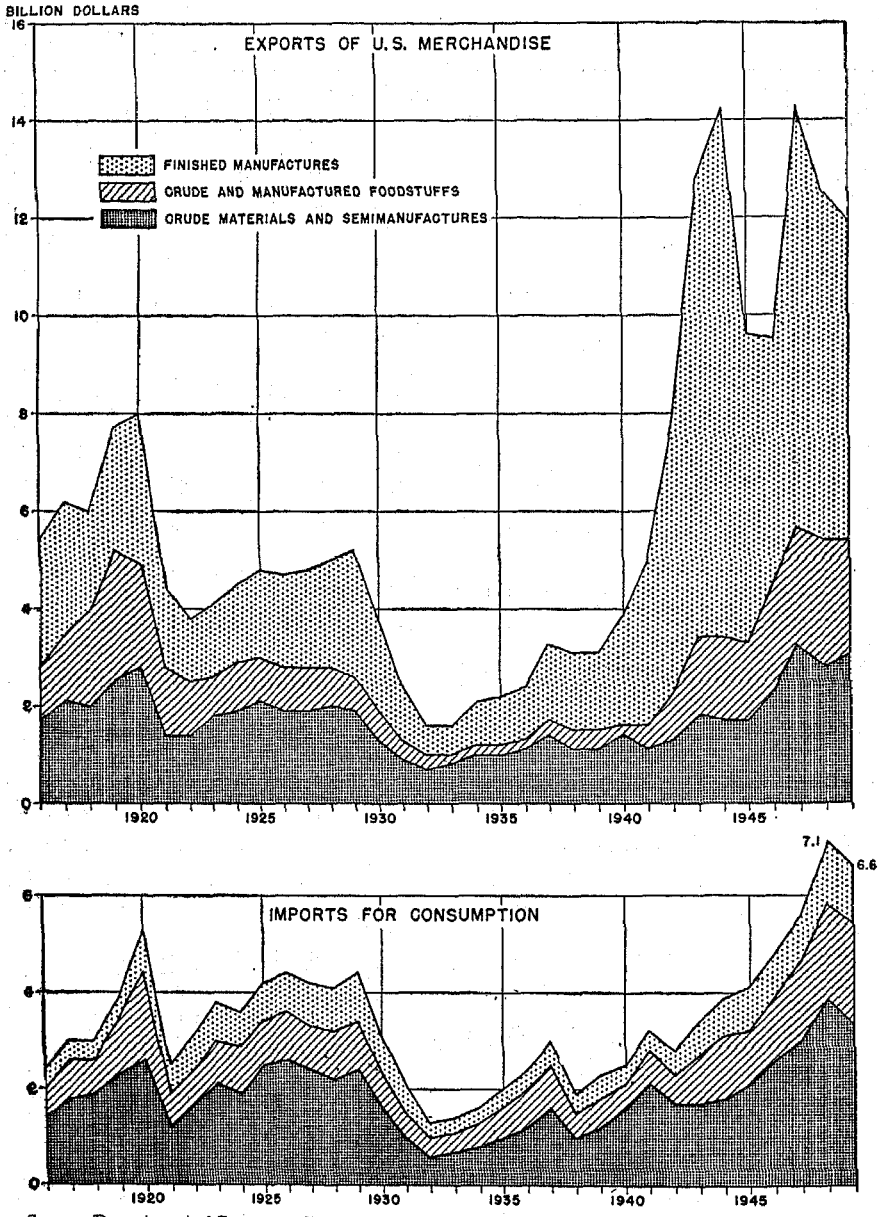
[In millions of dollars. Estimates for end of year; subject to considerable error due to nature of basic data. No allowance for write-offs, war damage, or expropriations without compensation of U. S. direct investments abroad. Direct investments at book value; other types at market or stated values. For 1945–48, value of securities of former enemy countries, or countries where no realistic market can be determined, has been eliminated; not entirely comparable with earlier years due to this and other revisions. See also *Historical Statistics*, series M 1–13]

ITEM	*1939*	*1940*	*1943*	*1944*	*1945*	*1946*	*1947*	*1948*
U. S. investments abroad, total	12,480	12,275	14,170	14,810	16,867	20,793	29,069	31,483
Private	12,445	12,195	13,340	13,765	14,688	15,603	16,915	18,431
Long-term	11,385	11,310	12,575	12,930	13,659	14,262	15,361	16,762
Direct	7,280	7,340	7,845	7,960	8,370	8,913	9,977	11,318
Portfolio	4,105	3,970	4,730	4,970	5,289	5,349	5,384	5,444
Short-term	1,060	885	765	835	1,029	1,341	1,554	1,669
U. S. Government	35	80	830	1,045	2,179	5,190	12,154	13,052
Long-term	35	80	620	770	1,680	4,870	11,761	12,903
Short-term			210	275	499	320	393	149
Foreign investments in U. S., total	12,820	13,535	14,145	15,085	17,415	16,270	16,469	16,865
Private obligations	12,495	13,225	12,560	13,080	13,163	12,806	12,639	13,007
Long-term	8,695	8,100	7,570	7,865	8,031	7,615	7,427	7,336
Direct	2,900	2,875	2,605	2,630	2,514	2,548	2,663	2,854
Portfolio	5,795	5,225	4,965	5,235	5,517	5,067	4,764	4,482
Short-term	3,800	5,125	4,990	5,215	5,132	5,191	5,212	5,671
U. S. Government obligations	325	310	1,585	2,005	4,252	3,464	3,830	3,858
Long-term	150	150	200	425	487	295	381	394
Short-term	175	160	1,385	1,580	3,765	3,169	3,449	3,464
Net debtor (−) or creditor (+) position	−340	−1,260	+25	−275	−548	+4,523	+12,600	+14,618
Net private	−50	−1,030	+780	+685	+1,525	+2,797	+4,276	+5,424
Net U. S. Government	−290	−230	−755	−960	−2,073	+1,726	+8,324	+9,194
Net long-term, private and U. S. Government	+2,575	+3,140	+5,425	+5,410	+6,821	+11,222	+19,314	+21,935
Net short-term, private and U. S. Government	−2,915	−4,400	−5,400	−5,685	−7,369	−6,699	−6,714	−7,317

Source: Department of Commerce, Office of Business Economics; International Transactions of the United States During the War, 1940–45, and The Balance of International Payments of the United States, 1946–48.

FIGURE Z.—FOREIGN TRADE BY ECONOMIC CLASSES: 1916 to 1949

[See table 1009]



Source: Department of Commerce, Bureau of the Census.

No. 990.—U. S. Government Foreign Aid by Program: July 1, 1940, to Dec. 31, 1949

[In millions of dollars. "Foreign aid (net)" represents the gross value of goods, services, and funds furnished to foreign countries through the utilization of U. S. Government grants, loans, and other credits, less the value of similar items received from foreign sources in the form of reverse grants and credit repayments. Grants "unutilized" represent difference between total amount appropriated by Congress or, if an appropriation is not required, amount authorized by Congress, and grants utilized. Credits "unutilized" represent difference between total amount authorized by Congress and amounts utilized. "Reverse grants" are comprised of: (a) Goods, services, and funds received through reverse lend-lease as reported by Treasury Department; and (b) The dollar equivalent of foreign currencies acquired as a result of European recovery and Chinese and Korean aid programs of Economic Cooperation Administration. "Credit repayments" represent amount of principal collections received, excluding repayments on World War I debts]

Program	Utilized and returned								Unutilized, Dec. 31, 1949 (estimated)
	Total war and postwar period	War period[1]	Postwar period						
			Total	July-December 1945	1946	1947	1948	1949	
Foreign aid (net)	**64,922**	**40,481**	**24,440**	**2,544**	**5,425**	**5,920**	**5,043**	**5,507**	-------
Grants utilized less reverse grants	55,021	39,692	15,329	1,913	2,262	2,042	4,055	5,056	-------
Credits utilized less repayments	9,901	789	9,111	631	3,163	3,878	988	451	-------
Grants and credits utilized	**74,663**	**48,701**	**25,962**	**2,697**	**5,535**	**6,233**	**5,523**	**5,976**	**7,652**
Grants utilized	63,186	47,468	15,718	2,015	2,289	2,049	4,078	5,286	5,902
Lend-lease	47,286	46,074	1,213	1,082	131	-------	-------	-------	-------
Economic cooperation:									
European recovery	5,132	-------	5,132	-------	-------	-------	1,397	3,735	3,706
Chinese aid	160	-------	160	-------	-------	-------	96	64	113
Korean aid	29	-------	29	-------	-------	-------	-------	29	67
Civilian supplies	4,983	813	4,170	339	637	965	1,300	928	475
UNRRA	2,660	83	2,577	479	1,458	640	-------	-------	-------
Post-UNRRA and interim aid	857	-------	857	-------	-------	242	613	2	-------
Greek-Turkish aid	594	-------	594	-------	-------	74	349	172	76
Chinese stabilization	500	380	120	105	15	-------	-------	-------	-------
Philippine rehabilitation	452	-------	452	-------	32	87	130	203	133
Refugee assistance	199	3	196	-------	2	19	89	86	36
Chinese military aid	116	-------	116	-------	-------	-------	72	45	9
Mutual defense assistance	-------	-------	-------	-------	-------	-------	-------	-------	1,264
Other	217	115	101	11	13	22	33	22	24
Credits utilized	11,477	1,232	10,244	681	3,245	4,183	1,444	690	1,750
Special British loan	3,750	-------	3,750	-------	600	2,850	300	-------	-------
Export-Import Bank loans	[2] 3,022	[2] 489	2,532	58	1,036	824	429	185	1,319
Lend lease	1,672	326	1,347	623	593	109	18	5	4
Surplus propery (including merchant ships)	1,363	-------	1,363	-------	878	245	212	29	-------
European recovery	902	-------	902	-------	-------	-------	476	425	226
Reconstruction Finance Corporation loans	487	417	70	(3)	(3)	70	(3)	-------	35
Other	281	-------	281	(3)	139	86	9	47	166
Reverse grants and credit repayments	**9,741**	**8,219**	**1,522**	**152**	**109**	**312**	**479**	**469**	-------
Reverse grants	8,165	7,776	389	102	27	7	23	230	-------
Reverse lend-lease	7,912	7,776	136	102	27	7	1	-------	-------
Economic cooperation	252	-------	252	-------	-------	-------	22	230	-------
European recovery	242	-------	242	-------	-------	-------	22	220	-------
Chinese aid	2	-------	2	-------	-------	-------	(3)	2	-------
Korean aid	8	-------	8	-------	-------	-------	-------	8	-------
Credit repayments (principal only)	1,576	443	1,133	50	82	305	456	239	-------
Export-Import Bank loans	[4] 836	[4] 276	560	20	40	95	261	144	-------
Reconstruction Finance Corporation loans	324	120	205	26	36	60	37	46	-------
Surplus property (including merchant ships)	99	-------	99	-------	-------	18	37	44	-------
Lend-lease	87	47	39	4	5	12	12	6	-------
Other	231	(3)	231	(3)	1	121	109	(3)	-------

[1] July 1, 1940, through June 30, 1945.
[2] Includes $160 million disbursed between date of organization, Feb. 12, 1934, and June 30, 1940.
[3] Less than $500,000.
[4] Includes $61 million received between date of organization, Feb. 12, 1934, and June 30, 1940.

Source: Department of Commerce, Office of Business Economics; quarterly report, Foreign Transactions of the U. S. Government.

No. 991.—U. S. Government Foreign Grants, by Country: July 1, 1940 to Dec. 31, 1949

[In millions of dollars. See headnote, table 990]

Country	Utilized: Total war and postwar period	Utilized: War period[1]	Utilized: Postwar period: Total	Utilized: Postwar period: July–December 1945	Utilized: Postwar period: 1946	Utilized: Postwar period: 1947	Utilized: Postwar period: 1948	Utilized: Postwar period: 1949	Unutilized, Dec. 31, 1949 (estimated)
Total	63,186	47,468	15,718	2,015	2,289	2,049	4,078	5,286	5,902
American Republics [2]	457	424	33	7	9	7	6	4	5
Albania	20		20	11	5	4			
Austria	625	1	624	18	72	149	183	202	68
Belgium and possessions and Luxembourg	388	68	321	31	31	(3)	56	202	128
British Commonwealth	31,734	29,952	1,782	263	7	(3)	485	1,027	404
China	2,758	1,232	1,526	738	303	172	203	109	125
Czechoslovakia	189	6	183	54	98	31			
Denmark	112		112		(3)		18	94	26
Egypt	2	2	(3)	(3)		1			
Ethiopia	1	1	(3)		(3)	(3)			
Finland	3	1	2	(3)	1	1			
France and possessions	4,100	2,581	1,519	79	1	12	620	807	401
Germany	2,499		2,499	3	259	390	925	921	421
Greece	1,054	79	975	127	126	140	337	245	125
Hungary	2		2		1	1			
Iceland	5	(3)	5				(3)	5	4
Ireland	3	(3)	3		(3)			3	22
Italy	1,771	310	1,461	136	370	258	309	389	306
Japan and Ryukyu Islands	1,505	4	1,501	8	200	456	396	440	355
Korea	275		275	(3)	22	70	96	86	67
Netherlands and possessions and Indonesia	484	109	375	32	(3)	1	87	254	226
Norway	93	31	62	(3)	1	(3)	17	43	62
Philippines	541	53	488	29	35	92	130	203	133
Poland	387	22	365	76	216	74			
Saudi Arabia	7	7							
Spain	2	2							
Sweden	40	1	40	1			1	38	15
Switzerland	2		2		2				
Trieste	31		31			12	10	9	7
Turkey	174	35	139			1	73	66	55
U. S. S. R.	11,026	10,783	243	78	120	45			
Yugoslavia	331	32	299	115	150	34			
Trust territory of the Pacific	6	2	4	3	2				
Other countries	(3)	(3)	(3)	(3)	(3)				
International organizations	583	53	530	40	177	93	116	104	51
Intergovernmental Committee on Refugees	15	2	13		2	4	7		
International Children's Emergency Fund	60		60			15	27	18	15
International Refugee Organization	168		168			15	82	71	36
United Nations	15		15					15	
UNRRA (cash only)	325	51	274	40	175	59			
Unallocated	1,974	1,676	298	166	82	4	11	35	2,895
Lend-lease	1,229	1,229	(3)	(3)					
Civilian supplies—Europe	594	435	158	156	3				
UNRRA	96	4	91	9	78	4			
European recovery	41		41				8	33	2,342
Mutual defense assistance									553
Other	15	8	7	1	1	(3)	3	2	

[1] July 1, 1940, through June 30, 1945.
[2] Country detail not shown because a substantial part of aid to this area is not available by country.
[3] Less than $500,000.

Source: Department of Commerce, Office of Business Economics; quarterly report, Foreign Transaction o the U. S. Government.

No. 992.—U. S. Government Foreign Credits, by Country: July 1, 1940, to Dec. 31, 1949

[In millions of dollars. See headnote, table 990]

Country	Utilized								Unutilized, Dec. 31, 1949
	Total war and postwar period [1]	War period [1 2]	Postwar period						
			Total	July-December 1945	1946	1947	1948	1949	
Total	**11,477**	**1,232**	**10,244**	**681**	**3,245**	**4,183**	**1,444**	**690**	**1,750**
American Republics	740	374	365	32	101	92	62	77	160
Austria	25		25		1	4	14	6	
Bahrein	17	17							
Belgium and possessions and Luxembourg	222		222		138		33	51	9
British Commonwealth	5,511	607	4,903	581	710	2,852	679	81	30
United Kingdom	5,138	434	4,704	581	660	2,850	532	80	35
Australia	16	8	8		7		1		
Canada	173	33	141				140	1	4
India	176	132	45		39		6		
Other British Commonwealth	6	(3)	6	(3)	4	2	(3)		
Burma	5		5			5	(3)	(3)	
China	348	119	229	4	155	47	21	2	15
Czechoslovakia	30	1	30		22	8	(3)		
Denmark	52		52	8	7	1	23	14	
Egypt	18		18		9	(3)	3	5	(3)
Ethiopia	6	4	1		(3)	1	(3)	(3)	2
Finland	147	26	121		51	31	26	12	5
France and possessions	2,122		2,122		1,295	590	184	53	4
Germany	126	(3)	126		21	21	84		
Greece	111		111		36	61	14		
Hungary	16		16		15	1			
Iceland	3	1	2				2	(3)	
Iran	38	(3)	37	9	4	(3)	8	16	
Iraq	1		1		1				
Ireland	64		64					64	22
Israel	7		7					7	93
Italy	398	13	385		144	71	103	67	23
Japan	263		263		121	75	20	48	21
Korea	25		25		7	8	10		
Lebanon	2		2		2				
Liberia	16	2	15	2	4	3	2	4	8
Netherlands and possessions and Indonesia	531	36	495	24	215	102	56	99	1
Norway	115	(3)	115		8	24	52	31	
Philippines	79		79		6	70	3	(3)	(3)
Poland	81	4	78		35	22	19	1	
Portugal and possessions	1	1							
Saudi Arabia	27	8	18	4	9	5			4
Spain	14	14							
Sweden	8	4	4				2	2	21
Thailand	6		6		5	(3)	1		
Turkey	55		55		3	10	13	29	31
U. S. S. R.	223		223	17	120	79	6	1	
Yugoslavia	1		1				1		20
Other countries	(3)	(3)							21
International organization: United Nations	23		23				3	20	42
Unallocated									44
Uncommitted lending authority									1,164
Export-Import Bank									889
European recovery									151
Other									123

[1] Includes $160 million disbursed by Export-Import Bank between date of organization, Feb. 12, 1934, and June 30, 1940.
[2] July 1, 1940, through June 30, 1945.
[3] Less than $500,000.

Source: Department of Commerce, Office of Business Economics; quarterly report, Foreign Transactions of the U. S. Government.

No. 993.—Credit Repayments and Reverse Grants Received by the U. S. Government, July 1, 1940, to Dec. 31, 1949, and Credits Outstanding on December 31, 1949, by Country

[In millions of dollars. See headnote, table 990]

Country	Total war and postwar period	War period [1]	Postwar period: Total	July–December 1945	1946	1947	1948	1949	Credits outstanding, Dec. 31, 1949
	Credit repayments (principal only)								
Total	[2] 1,576	[2] 443	1,133	50	82	305	456	239	9,901
American Republics	341	191	150	10	26	32	39	43	398
Austria	1		1			(3)	(3)	1	24
Bahrein	17	1	16	3	(3)	13			
Belgium [4] and Luxembourg	24		24		2	2	8	12	197
British Commonwealth	479	144	335	23	35	45	182	49	5,032
United Kingdom	307	118	189	23	35	45	39	47	4,831
Australia	1		1					1	15
Canada	167	26	141	(3)	(3)	(3)	140	(3)	6
India	2		2				2	(3)	174
Other British Commonwealth	1	(3)	1	(3)	(3)		1	(3)	6
Burma	(3)		(3)				(3)		5
China	178	69	109	14	10	18	35	32	169
Czechoslovakia	25	1	24			(3)	7	17	6
Denmark	(3)		(3)					(3)	52
Egypt	11		11			1	9	1	7
Ethiopia	1	(3)	(3)	(3)	(3)		(3)	(3)	5
Finland	25	2	22			13	3	7	122
France and possessions	68		68		5	19	21	24	2,053
Germany	41	(3)	41			3	38		84
Greece	10		10			3	3	4	101
Hungary	2		2			(3)	1	(3)	14
Iceland	1	1							2
Iran	11	(3)	10		1	4	3	2	27
Iraq	1		1			(3)	1		
Ireland									64
Israel									7
Italy	47	13	34		1	11	17	5	351
Japan	218		218			116	76	25	46
Korea									25
Lebanon	1		1			(3)	1	(3)	1
Liberia									17
Netherlands [4] and Indonesia	22		22		1	11	4	6	509
Norway	7	(3)	7			(3)	3	4	108
Philippines	14		14			11	2	(3)	65
Poland	1	(3)	1			(3)	1	(3)	80
Portugal and possessions	1	1	(3)			(3)	(3)		(3)
Saudi Arabia	2		2				1	1	25
Spain	14	14							
Sweden	5	4	1					1	4
Thailand	(3)		(3)				(3)	(3)	6
Turkey	8		8			1	2	4	47
U. S. S. R.									223
Yugoslavia									1
Other countries	(3)	(3)							
United Nations organization									23
	Reverse grants								
Total	[5] 8,165	7,776	389	102	27	7	23	230	
Austria	17		17				(3)	17	
Belgium [4] and Luxembourg	191	191	(3)		(3)		(3)	(3)	
British Commonwealth	6,906	6,710	196	100	27	7	12	50	
China	6	4	2				(3)	2	
Denmark	6		6				(3)	6	
France and possessions	934	867	67	1			4	62	
Germany	28		28				(3)	28	
Greece	15		15				1	14	
Italy	21		21				5	16	
Korea	8		8					8	
Netherlands [4] and Indonesia	23	2	20	(3)			(3)	20	
Norway	7		7				(3)	6	
Trieste	1		1				(3)	1	
U. S. S. R.	2	2							
Other countries	1	(3)	1	(3)				(3)	

[1] July 1, 1940, through June 30, 1945.
[2] Includes $61 million received by Export-Import Bank between date of organization, Feb. 12, 1934, and June 30, 1940.
[3] Less than $500,000. [4] Including possessions.
[5] Includes reverse lend-lease data based on reports prepared by foreign governments.

Source: Department of Commerce, Office of Business Economics; quarterly report, Foreign Transactions of the United States Government.

No. 994.—ECA European Program—Authorizations and Paid Shipments by Commodity Group and Area of Origin: Apr. 3, 1948, to Dec. 31, 1949

[Millions of dollars]

COMMODITY GROUP	Total	United States	Canada	Latin America	Participating countries	Other countries
PROCUREMENT AUTHORIZATIONS						
Grand total	**8,022.4**	**5,055.0**	**1,027.5**	**758.6**	**200.2**	**367.7**
Total commodities	7,392.2	5,039.4	1,027.5	758.6	199.1	367.7
Food and agricultural commodities	3,622.3	2,657.7	540.5	322.6	49.9	51.6
Industrial commodities	3,769.9	2,381.7	486.9	436.0	149.2	316.2
Technical services	16.7	15.6			1.1	
Ocean freight	613.4	(1)	(1)	(1)	(1)	(1)
PAID SHIPMENTS						
Grand total	**5,974.3**	**3,551.7**	**874.5**	**467.3**	**325.0**	**296.2**
Total commodities	5,511.2	3,549.3	874.5	467.3	323.9	296.2
Food and agricultural commodities	2,999.9	2,150.0	496.0	267.9	45.9	40.2
Industrial commodities	2,511.3	1,399.3	378.5	199.5	278.0	256.0
Technical services	3.5	2.4			1.1	
Ocean freight	459.6	(1)	(1)	(1)	(1)	(1)
COMMODITY DETAIL						
Food, feed, and fertilizer	**2,125.6**	**1,297.4**	**496.0**	**251.7**	**45.0**	**35.5**
Bread grains	1,075.2	689.6	385.6			
Fats and oils	260.7	192.8	10.4	8.7	20.0	28.8
Coarse grains	201.9	194.5	7.4			
Sugar and related products	180.5	.2		178.4	1.1	1.0
Meat	114.6	22.0	66.5	24.1	1.9	.2
Dairy products	105.4	95.8	9.4	.1	.1	
Feeds and fodder	42.4	23.8	2.8	11.8	1.9	2.2
Fertilizer	35.6	9.6	3.1	10.2	10.0	2.6
Fruits and nuts, except peanuts	22.1	19.4	.3		2.5	
Vegetables and preparations	16.0	8.0			7.4	.4
Fish and products, except fish oil and meal	15.3	6.0	9.3			
Rice	15.3	12.3		3.0		
Coffee	13.9			13.9		
Eggs	12.7	12.7				
Miscellaneous grain preparations	6.2	5.6	.5			
Seeds, other than oilseeds	3.2	2.6	.6		.1	
Miscellaneous agricultural products	4.5	2.7		1.4		.3
Fuel	**894.4**	**361.8**	**.1**	**59.7**	**249.6**	**223.2**
Petroleum and products	621.1	185.0	.1	[3] 59.7	[3] 165.1	211.1
Coal and related fuels	273.3	176.7			84.5	12.1
Raw materials and semifinished products	**1,673.1**	**1,109.7**	**352.2**	**149.5**	**24.8**	**36.9**
Cotton	606.7	606.4		.3		
Nonferrous metals and products	397.5	84.3	208.6	86.2	14.8	3.5
Iron and steel mill materials and products, including ferro-alloys	149.9	131.9	10.6	.1	7.1	.1
Chemicals and related products	136.7	128.1	3.4	4.0	1.1	.1
Pulp and paper	79.5	13.9	65.7			
Lumber and lumber manufactures	67.7	26.9	38.9	.5	.5	.9
Fabricated basic textiles	66.0	36.1	2.4	.9	.7	25.9
Hides, skins, and leather	51.8	15.6	3.2	32.6		.4
Nonmetallic minerals	41.9	34.5	7.2	.1		
Metallic ores and concentrates	34.9	6.1	12.2	15.2	.1	1.3
Fibers, except unmanufactured cotton and wool	17.1	2.7		9.5	.3	4.6
Naval stores	13.9	13.9				.1
Wool, unmanufactured	8.8	8.8				
Miscellaneous fiber products	.5	.5				
Machinery and vehicles	**561.7**	**537.4**	**21.7**		**2.6**	**.1**
Machinery and equipment	375.0	358.0	14.5		2.4	.1
Motor vehicles, engines, and parts	116.8	115.7	1.0			
Aircraft, engines, and parts	36.3	36.3				
Miscellaneous transportation equipment	33.7	27.4	6.1		.1	
Miscellaneous and unclassified	**256.5**	**243.0**	**4.5**	**6.4**	**2.0**	**.5**
Tobacco	222.1	216.9		4.7	.6	
Miscellaneous industrial commodities	28.6	22.2	4.5	.1	1.5	.5
Unclassified agricultural commodities	5.7	3.9		1.7		.1

[1] Not available.
[2] ECA expenditures supplemented by movement reports from United States Government agencies; total paid shipments are less than actual movements because of lag in receipt of shipping documents.
[3] Preliminary.

Source: Economic Cooperation Administration, Monthly Report to the Public Advisory Board.

No. 995.—ECA European Program—Authorizations and Paid Shipments by Commodity Group and Country of Destination: Apr. 3, 1948, to Dec. 31, 1949

[Millions of dollars]

Commodity group	Total	United Kingdom	France	Italy	Germany (Fed. Rep.)	Netherlands	Belgium-Luxembourg	Austria	Greece	Denmark	Norway	Ireland	Sweden	Turkey	Trieste	Iceland
Procurement authorizations																
Grand total	**8,022.4**	**2,226.4**	**1,697.4**	**883.4**	**801.9**	**713.6**	**445.8**	**367.8**	**273.2**	**169.0**	**157.6**	**111.6**	**74.6**	**66.0**	**23.2**	**11.1**
Total commodities	7,392.2	2,150.4	1,453.4	766.5	723.3	705.7	422.0	330.5	245.4	167.0	156.6	111.3	74.6	56.4	18.4	11.1
Food and agricultural commodities	3,622.3	1,131.8	480.5	373.9	569.3	292.8	159.6	233.0	141.5	78.4	62.4	69.3	2.1	12.8	10.9	4.2
Industrial commodities	3,769.9	1,018.6	972.9	392.6	154.0	412.9	262.4	97.5	103.9	88.6	94.2	42.0	72.5	43.6	7.5	6.9
Technical services	16.7	5.6	4.5	2.3			.1				1.0			3.0		
Ocean freight	613.4	70.4	239.5	114.6	78.7	7.8	23.7	37.3	27.8	2.0		.2		6.6	4.8	
Paid shipments																
Grand total [1]	**5,974.3**	**1,821.9**	**1,296.5**	**577.4**	**600.5**	**486.8**	**309.1**	**300.2**	**184.0**	**142.8**	**95.7**	**66.9**	**39.1**	**30.1**	**15.9**	**7.6**
Total commodities	5,511.2	1,763.8	1,097.7	488.4	552.2	481.6	296.0	272.5	168.1	142.8	94.6	66.6	39.1	27.0	13.3	7.5
Food and agricultural commodities	2,999.9	990.8	403.4	299.5	445.4	230.9	118.7	204.6	117.8	74.0	46.9	46.8	.3	8.6	9.2	3.1
Industrial commodities	2,511.3	773.0	694.3	188.9	106.8	250.7	177.3	67.9	50.3	68.8	47.7	19.8	38.8	18.4	4.1	4.4
Technical services	3.5	1.0	.5	.1			.1				1.1			.7		
Ocean freight	459.6	57.1	198.2	88.9	48.3	5.2	13.0	27.8	15.8			.2		2.4	2.5	
Commodity detail																
Food, feed, and fertilizer	**2,125.6**	**702.8**	**212.4**	**188.2**	**282.2**	**191.4**	**110.7**	**177.7**	**113.4**	**56.0**	**37.1**	**32.8**		**8.6**	**9.2**	**3.1**
Bread grains	1,075.2	408.2	79.0	166.5	66.4	97.0	44.8	88.6	72.0		25.5	11.5		8.6	5.9	1.1
Fats and oil	260.7	9.5	64.5	15.2	61.5	30.6	15.6	43.0	3.0	11.0	4.5	.2			2.0	.2
Coarse grains	201.9		24.2		97.9	21.2	3.3	11.4	2.3	17.4	5.1	19.0				
Sugar and related products	180.5	110.5	12.5		9.4	15.9	11.0	10.6	10.5			.2				
Meat	114.6	76.4	.7		18.6	4.3	7.6	4.1	2.7	.1		.1			.1	
Dairy products	105.4	68.6	11.8		.4	1.0	11.8	.4	10.2						1.2	
Feeds and fodder	42.4		4.4		2.4	5.0		2.2		24.9	2.0					1.4
Fertilizer	35.6	.9	11.5	.2	4.9	5.8	.7	6.1	5.2							.3
Fish and products, except fish oil and meal	15.3	11.5		3.0			.4		.2			.3				
Fruits and nuts, except peanuts	22.1	9.2			2.5		8.9	.9		.3		.4				
Vegetables and preparations	16.0		.1		11.0	.1	.4	3.0	1.3			.1				
Rice	15.3		1.0		.5	9.6	.9	1.6	1.4	.2						.1
Coffee	13.9			1.9	4.7		3.7	.2	1.8	1.7						
Eggs	12.7	8.0			1.8		.2	2.7								
Miscellaneous grain preparations	6.2		1.7	.9	.1	.4	.2	2.1		.2		.5				
Seeds, other than oilseeds	3.2		.7	.5		.4		.9		.2		.4				
Miscellaneous agricultural products	4.5		.3	.1	.1		1.3		2.6							

Fuel	894.4	211.4	345.9	116.6	13.9	42.4	36.4	26.3	12.5	34.3	16.3	5.4	28.0	1.0	3.5	.5
Petroleum and products	621.1	211.4	190.1	45.1	13.9	26.8	34.3	2.1	11.8	31.4	16.3	5.4	28.0	1.0	2.9	.5
Coal and related fuels	273.3		155.9	71.5		15.6	2.1	24.2	.7	2.9					.6	
Raw materials and semifinished products	1,673.1	624.5	357.9	157.4	201.0	149.5	48.6	47.0	20.8	22.5	26.4	8.0	6.7	1.3	.6	.9
Cotton	606.7	160.2	170.9	108.1	112.0	26.2	.1	17.5	4.1	6.5	.6	.2	.3			
Nonferrous metals and products	397.5	240.7	83.2	12.8	12.9	28.9	.6	6.8	.3	6.6	3.3		1.2		.1	
Iron and steel mill materials and products, including ferro-alloys	149.9	36.4	23.6	13.4	2.2	31.3	8.6	3.5	5.0	7.0	15.0	1.3	2.2	.3	.3	.1
Chemicals and related products	136.7	34.3	39.8	10.0	7.9	13.2	14.2	8.8	5.4	.3	.8	.4	1.2	.3	.1	
Pulp and paper	79.5	61.1	3.4	.1	10.9	.6	1.3		.2			1.7				.2
Lumber and lumber manufactures	67.7	47.5	2.5	1.0	1.2	4.0	4.5	.8	2.8		.3	2.3		.7	.1	
Fabricated basic textiles	66.0	7.4	4.5	5.0	5.8	32.4	1.3	.5	.5	.4	5.5	1.5	.7			.5
Hides, skins, and leather	51.8	1.8	.3	5.3	32.3	4.6	1.0	3.7	2.4			.4				
Nonmetallic minerals	41.9	19.2	9.6	.2	1.8	3.0	5.4	.8	.2	.3	.1	.2	1.2			
Metallic ores and concentrates	34.9	10.6	9.9		.6	2.4	11.1	.3								
Fibers, except unmanufactured cotton and wool	17.1		9.8		3.8	.9	.1	.2		1.4	.8					
Naval stores	13.9	5.4		1.4	4.8	1.9	.3	.1								
Wool, unmanufactured	8.8				4.8			4.0								
Miscellaneous fiber products	.5		.2			.3										
Machinery and vehicles	561.7	99.9	165.2	23.6	14.7	83.7	90.4	15.7	15.2	18.5	6.2	5.7	4.2	15.9		2.9
Machinery and equipment	375.0	97.8	110.1	23.2	8.5	36.4	31.6	14.5	9.7	13.8	5.3	3.5	3.8	14.7		2.0
Motor vehicles, engines, and parts	116.8	1.7	10.2		5.5	29.5	56.6	1.0	5.2	2.9		2.2	.5	1.2		.2
Aircraft, engines, and parts	36.3		15.7	.1		16.7	1.7		.4	.8	.8					
Other transportation equipment	33.7	.3	29.1	.2	.7	1.1	.4	.2		.9	.1					.6
Miscellaneous and unclassified	256.5	125.3	16.3	2.7	40.4	14.6	9.9	5.8	6.2	11.5	8.6	14.7	.2	.2		.2
Tobacco	222.1	122.2	9.0	1.7	35.9	8.9	7.3	5.0		10.0	8.3	13.8				
Miscellaneous industrial commodities	28.6	2.8	6.0	.9	2.5	4.1	2.5	.7	5.9	1.4	.3	.9	.2	.2		.1
Unclassified agricultural commodities	5.7	.3	1.3		2.0	1.6	.1	.1	.3							

[1] ECA expenditures supplemented by movement reports from U. S. Government agencies; total paid shipments are less than actual movements because of lag in receipt of shipping documents.

Source: Economic Cooperation Administration, Monthly Report to the Public Advisory Board.

No. 996.—ECA China Program—Authorizations and Paid Shipments, by Commodity Group: Apr. 3, 1948, to Dec. 31, 1949

[Millions of dollars]

Commodity group	Procurement authorized			Paid shipments [1]		
	Total	From United States	Off-shore	Total	From United States	Off-shore
Grand total	178.6	85.4	81.0	156.3	82.4	67.0
Total commodities	164.2	83.2	81.0	147.3	80.3	67.0
Food and agricultural commodities	127.6	83.2	44.5	118.8	79.0	39.8
Industrial commodities	36.5		36.5	28.5	1.3	27.2
Technical services	2.3	2.3		1.6	1.6	
Ocean freight [2]	10.7	(3)	(3)	6.9	(3)	(3)
Joint Commission on Rural Reconstruction	1.4	(3)	(3)	.5	.5	
Commodity detail:						
Cotton, except linters	60.6	60.6		59.5	59.5	
Rice	45.6	4.6	41.0	41.4	5.1	36.3
Petroleum and products	35.8		35.8	27.8	[4] 1.3	[4] 26.4
Bread grains	11.3	11.3		11.4	11.4	
Fertilizer, nitrogenous	10.2	6.7	3.5	6.6	3.1	3.5
Coal and related fuels	.8		.8	.8		.8
Unclassified cotton credits	—.1	—.1				

[1] ECA expenditures supplemented by movement reports from U. S. Government agencies; total paid shipments are less than actual movements because of the time required for receipt and processing of documents requesting payment.
[2] Including $110,000 for freight on medical supplies provided under Public Law 84.
[3] Origin not available. [4] Preliminary.

Source: Economic Cooperation Administration, Monthly Report to the Public Advisory Board.

No. 997.—ECA Korea Program—Authorizations and Paid Shipments, by Commodity Group: Jan. 1, 1949, to Dec. 31, 1949

[Millions of dollars]

Commodity group	Procurement authorized			Paid shipments [1]		
	Total	From United States	Off-shore	Total	From United States	Off-shore
Grand total	71.3	44.1	17.9	20.5	10.1	9.5
Total commodities	61.1	43.2	17.9	19.1	9.7	9.5
Food and agricultural commodities	35.5	33.6	1.9	9.0	8.9	.1
Industrial commodities	25.5	9.6	15.9	10.2	.8	9.4
Technical services	[2] 1.5	.9		.5	.4	
Ocean freight	8.8	(3)	(3)	.9	(3)	(3)
Commodity detail:						
Fertilizer	23.5	22.2	1.4	.2	.2	
Coal and related fuels	7.1		7.1	7.1		7.1
Raw cotton except linters	6.3	6.3		3.9	3.9	
Petroleum and products	5.6	5.2	.3	.3		.3
Bread grains	4.7	4.7		4.7	4.7	
Iron and steel mill materials and products, including ferro-alloys	3.3	.8	2.5	.5	.1	.5
Vehicles and parts	2.5	1.1	1.4	1.4	.4	1.0
Machinery and equipment	1.8	.7	1.0	.1		.1
Nonmetallic minerals	1.6		1.6			
Chemicals and related products	1.5	1.0	.5			
Fabricated basic textiles	1.1	.3	.8	.5	.3	.2
Lumber and lumber products	.7	.2	.5	.1		.1
Vegetable fibers, manila or abaca	.6		.6	.1		.1
Miscellaneous and unclassified	.9	.7	.2	.2	.1	.1

[1] ECA expenditures supplemented by movement reports from U. S. Government agencies; total paid shipments are less than actual movements because of the lag in receipt of shipping documents.
[2] Including $568,000 for which origin is not available. [3] Origin not available.

Source: Economic Cooperation Administration, Monthly Report to the Public Advisory Board.

No. 998.—Foreign Trade of the United States—Summary: 1931 to 1949

[In thousands of dollars. For calendar years]

ITEM	1931-1935, average	1936-1940, average	1941-1945, average	1946	1947	1948	1949
Merchandise:							
Exports (incl. reexports)	2,025,195	3,219,581	10,051,075	9,738,321	14,429,747	12,653,058	12,000,202
U. S. merchandise	1,988,914	3,166,518	9,922,152	9,500,184	14,252,285	12,532,093	11,885,196
Reexports of foreign merchandise	36,281	53,063	128,923	238,137	177,462	120,965	115,006
General imports	1,713,102	2,482,030	3,514,080	4,942,054	5,756,333	7,123,877	6,626,221
Entered for immediate consumption	1,496,613	2,092,793	3,054,652	4,285,309	5,074,227	6,360,870	5,945,670
Entered for warehouse	216,488	389,237	459,428	656,745	682,106	763,007	680,551
Excess of exports	312,093	737,552	6,536,995	4,796,267	8,673,413	5,529,181	5,373,981
Imports for consumption	1,704,294	2,440,042	3,475,593	4,824,902	5,666,321	7,092,032	6,598,058
Entered for immediate consumption	1,496,613	2,092,793	3,054,652	4,285,309	5,074,227	6,360,870	5,945,670
Withdrawn from warehouse	207,681	347,249	420,941	539,593	592,094	731,162	652,388
Free	1,075,585	1,475,825	2,293,945	2,934,955	3,454,647	4,174,523	3,886,254
Dutiable	628,709	964,217	1,181,648	1,889,946	2,211,674	2,917,509	2,711,805
Percent free	63.11	60.48	66.00	60.83	60.97	58.86	58.90
Duties calculated	314,477	365,151	379,704	477,854	(1)	(1)	(1)
Ratio of duties (percent):							
To total imports for consumption	18.45	14.97	10.92	9.90	(1)	(1)	(1)
To dutiable imports	50.02	37.87	32.13	25.28	(1)	(1)	(1)
Gold:							
Exports	339,539	16,989	238,443	221,468	213,241	300,771	84,936
Imports	819,256	2,615,845	321,514	532,962	2,079,588	1,981,175	771,390
Excess of: Imports	479,717	2,598,856	83,070	311,494	1,866,348	1,680,404	686,455
Exports							
Silver:							
Exports	18,946	9,879	51,243	36,455	30,649	12,400	23,281
Imports	113,159	129,793	33,342	57,578	68,140	70,885	73,536
Excess of: Imports	94,213	119,914		21,123	37,492	58,484	50,255
Exports			17,901				

[1] Not available.

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

No. 999.—Composition of United States Exports of Domestic and Foreign Merchandise: 1941 to 1949

[In millions of dollars]

YEAR	Total exports [1]	Exports under Lend-Lease Program [2]	Exports under U. N. R. R. A. Program	Exports under Civilian Supply Program [3]	Other exports [4]
1941	5,147.2	740.9			4,406.3
1942	8,079.0	4,932.7			3,146.2
1943	12,964.9	10,357.5			2,607.4
1944	14,268.7	11,207.5			2,961.2
1945	9,805.6	5,559.8	357.0	(5)	3,888.8
1946	9,738.3	652.9	1,013.4	(5)	8,072.0
1947	[6] 14,429.7	23.6	387.7	910.5	14,018.5
1948	12,653.1	[7] 2.2	7.8	901.4	11,748.6
1949	12,000.2			705.5	11,294.7

[1] Represents commercial shipments for all years, shipments to U. S. Government agencies abroad after July 1945, and all shipments under foreign aid programs, except as explained in footnote 3. Excludes shipments to U. S. armed forces abroad for own use.

[2] Lend-Lease shipments made after cessation of hostilities with Japan in August 1945 represent, for most part, merchandise for which arrangements for repayment were completed prior to exportation of merchandise.

[3] Shipments began in 1945, but data not compiled by Bureau of Census prior to 1947. Data for 1947 excluded from total exports.

[4] Includes all shipments under other foreign aid programs, such as United States Foreign Relief Program, Interim Aid Program, Greek-Turkish Aid Program, Economic Cooperation Administration Program, etc.

[5] Not available.

[6] Excludes shipments under Civilian Supply Program.

[7] Represents January-June total; separate tabulation discontinued after June 1948.

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

No. 1000.—Exports and Imports of Merchandise, Gold, and Silver: 1791 to 1949

[**In thousands of dollars.** For basis of dollar values, see general note, p. 827. Figures are for fiscal years ending Sept. 30, 1791 to 1842, and June 30, 1843 to 1915; calendar years thereafter. For total exports and imports of merchandise by individual years prior to 1941, see table 1001. Merchandise figures include gold and silver prior to 1821. See also *Historical Statistics*, series M 42-55]

Yearly average or year	Total merchandise, gold, and silver			Gold			Silver		
	Exports	Imports	Excess of exports (+) or imports (−)	Exports	Imports	Excess of exports (+) or imports (−)	Exports	Imports	Excess of exports (+) or imports (−)
1821-1830	76,575	79,863	−3,288	(1)	(1)	(1)	[1] 7,154	[1] 6,914	[1] +239
1831-1840	109,234	130,268	−21,034	2,154	3,394	−1,240	3,530	7,353	−3,823
1841-1850 [2]	129,288	130,029	−741	3,222	5,463	−2,241	3,445	3,443	+2
1851-1860	298,389	292,226	+6,163	46,372	3,762	+42,610	3,130	3,988	−858
1861-1870	320,313	350,712	−30,399	53,633	13,956	+39,678	12,354	4,890	+7,464
1871-1880	650,325	565,793	+84,532	33,732	19,144	+14,588	27,293	11,428	+15,865
1881-1890	816,503	740,511	+75,992	24,457	33,248	−8,791	26,911	15,077	+11,834
1891-1900	1,137,586	845,452	+292,134	64,265	57,040	+7,225	48,451	25,085	+23,367
1901-1910	1,740,599	1,271,244	+469,356	69,540	76,218	−6,678	54,809	36,526	+18,284
1911-1915	2,515,144	1,837,027	+678,117	83,173	85,969	−2,796	61,432	38,739	+22,693
1915-1920 [3]	6,897,886	3,804,593	+3,093,293	233,248	382,022	−148,773	143,447	64,217	+79,231
1921-1925	4,558,940	3,866,937	+692,003	82,739	347,425	−264,686	79,174	69,409	+9,765
1926-1930	5,077,974	4,348,894	+729,078	222,094	255,528	−33,434	78,566	59,898	+18,668
1931-1935	2,383,679	2,645,517	−261,838	339,539	819,256	−479,717	18,946	113,159	−94,213
1936-1940	3,246,449	5,227,667	−1,981,218	16,989	2,615,845	−2,598,856	9,879	129,793	−119,914
1941-1945	10,340,761	3,868,936	+6,471,825	238,443	321,514	−83,070	51,243	33,342	+17,901
1941	5,152,891	4,374,500	+778,391	64	982,442	−982,378	5,673	47,053	−41,380
1942	8,081,090	3,112,776	+4,968,314	102	315,780	−315,678	1,999	41,103	−39,104
1943	13,028,450	3,511,194	+9,517,256	32,855	101,793	−68,938	30,689	27,903	+2,786
1944	15,344,846	4,066,075	+11,278,770	959,228	113,836	+845,392	126,915	23,373	+103,542
1945	10,096,530	4,280,134	+5,816,396	199,968	93,718	+106,250	90,937	27,278	+63,659
1946	9,996,243	5,532,593	+4,463,650	221,468	532,962	−311,494	36,455	57,578	−21,123
1947	14,673,636	7,904,062	+6,769,574	213,241	2,079,588	−1,866,348	30,649	68,140	−37,492
1948	12,966,229	9,175,937	+3,790,293	300,771	1,981,175	−1,680,404	12,400	70,885	−58,484
1949	12,108,419	7,471,147	+4,637,272	84,936	771,390	−686,455	23,281	73,536	−50,255

Yearly average or year	Merchandise					
	Total exports and imports	Exports			General imports	Excess of exports (+) or imports (−)
		Total	U. S. merchandise	Reexports		
1791-1800	105,959	46,774	27,740	19,034	59,185	−12,411
1801-1810	167,298	74,532	38,178	36,354	92,766	−18,234
1811-1820	139,801	58,989	46,270	12,719	80,812	−21,823
1821-1830	142,370	69,421	53,221	16,200	72,949	−3,528
1831-1840	223,070	103,550	88,168	15,382	119,520	−15,970
1841-1850 [2]	243,743	122,620	114,894	7,727	121,123	+1,498
1851-1860	533,362	248,887	232,283	16,604	284,475	−35,588
1861-1870	586,194	254,327	238,947	15,380	331,867	−77,541
1871-1880	1,124,523	589,301	574,889	14,412	535,222	+54,080
1881-1890	1,457,322	765,136	750,146	14,990	692,187	+72,949
1891-1900	1,788,198	1,024,870	1,006,183	18,687	763,328	+261,542
1901-1910	2,774,750	1,616,250	1,589,000	27,250	1,158,500	+457,750
1911-1915	4,082,858	2,370,539	2,331,648	38,891	1,712,319	+658,220
1915-1920 [3]	9,879,545	6,521,190	6,416,513	104,677	3,358,354	+3,162,836
1921-1925	7,847,129	4,307,027	4,310,221	86,806	3,450,103	+946,924
1926-1930	8,810,782	4,777,314	4,687,788	89,526	4,033,469	+743,845
1931-1935	3,738,296	2,025,195	1,988,914	36,281	1,713,102	+312,093
1936-1940	5,701,611	3,219,581	3,166,518	53,063	2,482,030	+737,552
1941-1945	13,565,155	10,051,075	9,922,152	128,923	3,514,080	+6,536,995
1941	8,492,159	5,147,154	5,019,877	127,277	3,345,005	+1,802,149
1942	10,834,881	8,078,988	8,003,113	75,875	2,755,893	+5,323,095
1943	16,346,404	12,964,906	12,841,542	123,364	3,381,498	+9,583,408
1944	18,187,568	14,258,702	14,161,544	97,158	3,928,866	+10,329,837
1945	13,964,763	9,805,625	9,584,684	220,941	4,159,138	+5,646,487
1946	14,680,374	9,738,321	9,500,184	238,137	4,942,054	+4,796,267
1947	20,186,080	14,429,747	14,252,285	177,462	5,756,333	+8,673,413
1948	19,776,935	12,653,058	12,532,093	120,965	7,123,877	+5,529,181
1949	18,626,423	12,000,202	11,885,196	115,006	6,626,221	+5,373,981

[1] Silver figures include gold, 1821-30; not available separately prior to 1825.
[2] Period Oct. 1, 1840, to June 30, 1850.
[3] Period July 1, 1915, to Dec. 31, 1920.

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

No. 1001.—Exports and Imports of Merchandise, With Trade Balances: 1790 to 1949

[In thousands of dollars. For basis of dollar values, see general note, p. 827. Fiscal years ending Sept. 30, 1790 to 1842, June 30 through 1915; calendar years thereafter. See also *Historical Statistics*, series M 51–55]

YEAR	Exports [1]	Imports [1]	Excess of exports (+) or imports (−)	YEAR	Exports	Imports	Excess of exports (+) or imports (−)	YEAR	Exports	Imports	Excess of exports (+) or imports (−)
1790	20,205	23,000	−2,795	1844	105,746	102,605	+3,141	1898	1,231,482	616,050	+615,432
1791	19,012	29,200	−10,188	1845	106,040	113,184	−7,144	1899	1,227,023	697,148	+529,875
1792	20,753	31,500	−10,747	1846	109,583	117,914	−8,331	1900	1,394,483	849,941	+544,542
1793	26,110	31,100	−4,990	1847	156,742	122,424	+34,318				
1794	33,044	34,600	−1,556	1848	138,191	148,639	−10,448	1901	1,487,765	823,172	+664,592
1795	47,990	69,756	−21,766	1849	140,351	141,206	−855	1902	1,381,719	903,321	+478,398
1796	53,575	81,436	−22,861	1850	144,376	173,510	−29,134	1903	1,420,142	1,025,719	+394,423
1797	51,295	75,379	−24,084					1904	1,460,827	991,087	+469,740
1798	61,327	68,552	−7,225	1851	188,915	210,771	−21,856	1905	1,518,562	1,117,513	+401,049
1799	78,666	79,069	−403	1852	166,984	207,440	−40,456	1906	1,743,865	1,226,562	+517,303
1800	70,972	91,253	−20,281	1853	203,489	263,777	−60,288	1907	1,880,851	1,434,421	+446,430
				1854	237,044	297,804	−60,760	1908	1,860,773	1,194,342	+666,431
1801	93,021	111,364	−18,343	1855	218,910	257,809	−38,899	1909	1,663,011	1,311,920	+351,091
1802	71,957	76,333	−4,376	1856	281,219	310,432	−29,213	1910	1,744,985	1,556,947	+188,038
1803	55,800	64,667	−8,867	1857	293,824	348,428	−54,604				
1804	77,699	85,000	−7,301	1858	272,011	263,339	+8,672	1911	2,049,320	1,527,226	+522,094
1805	95,566	120,600	−25,034	1859	292,902	331,333	−38,431	1912	2,204,322	1,653,265	+551,057
1806	101,537	129,410	−27,873	1860	333,576	353,616	−20,040	1913	2,465,884	1,813,008	+652,876
1807	108,343	138,500	−30,157					1914	2,364,579	1,893,926	+470,653
1808	22,431	56,990	−34,559	1861	219,554	289,311	−69,757	1915	2,768,589	1,674,170	+1,094,419
1809	52,203	59,400	−7,197	1862	190,671	189,357	+1,314	1916			
1810	66,758	85,400	−18,642	1863	203,964	243,336	−39,372	(6mos.)	1,852,863	912,787	+940,076
				1864	158,838	316,447	−157,609	1916	5,482,641	2,391,635	+3,091,006
1811	61,317	53,400	+7,917	1865	166,029	238,746	−72,717	1917	6,233,513	2,952,468	+3,281,045
1812	38,527	77,030	−38,503	1866	348,860	434,812	−85,952	1918	6,149,088	3,031,213	+3,117,875
1813	27,856	22,005	+5,851	1867	294,506	395,761	−101,255	1919	7,920,426	3,904,365	+4,016,061
1814	6,927	12,965	−6,038	1868	281,953	357,436	−75,483	1920	8,228,016	5,278,481	+2,949,535
1815	52,558	113,041	−60,482	1869	286,118	417,506	−131,388				
1816	81,920	147,103	−65,183	1870	392,772	435,958	−43,186	1921	4,485,031	2,509,148	+1,975,883
1817	87,672	99,250	−11,578					1922	3,831,777	3,112,747	+719,030
1818	93,281	121,750	−28,469	1871	442,820	520,224	−77,404	1923	4,167,493	3,792,066	+375,427
1819	70,143	87,125	−16,982	1872	444,178	626,595	−182,417	1924	4,590,984	3,609,903	+981,021
1820	69,692	74,450	−4,758	1873	522,480	642,136	−119,656	1925	4,909,848	4,226,589	+683,258
				1874	586,283	567,406	+18,877	1926	4,808,660	4,430,888	+377,772
1821	54,496	54,521	−25	1875	513,443	533,005	−19,562	1927	4,865,375	4,184,742	+680,633
1822	61,350	79,872	−18,522	1876	540,385	460,741	+79,644	1928	5,128,356	4,091,444	+1,036,912
1823	68,326	72,481	−4,155	1877	602,475	451,323	+151,152	1929	5,240,995	4,399,361	+841,634
1824	68,972	72,169	−3,197	1878	694,866	437,052	+257,814	1930	3,843,181	3,060,908	+782,273
1825	90,738	90,189	+549	1879	710,439	445,778	+264,661				
1826	72,891	78,094	−5,203	1880	835,639	667,955	+167,684	1931	2,424,289	2,090,635	+333,654
1827	74,310	71,333	+2,977					1932	1,611,016	1,322,774	+288,242
1828	64,021	81,020	−16,999	1881	902,377	642,665	+259,712	1933	1,674,994	1,449,559	+225,435
1829	67,435	67,089	+346	1882	750,542	724,640	+25,902	1934	2,132,800	1,655,055	+477,745
1830	71,671	62,721	+8,950	1883	823,839	723,181	+100,658	1935	2,282,874	2,047,485	+235,389
				1884	740,514	667,698	+72,816	1936	2,455,978	2,422,592	+33,386
1831	72,296	95,885	−23,589	1885	742,190	577,527	+164,663	1937	3,349,167	3,083,668	+265,499
1832	81,521	95,122	−13,601	1886	679,526	635,436	+44,089	1938	3,094,440	1,960,428	+1,134,012
1833	87,529	101,048	−13,519	1887	716,183	692,320	+23,863	1939	3,177,176	2,318,081	+859,095
1834	102,260	108,610	−6,350	1888	695,955	723,957	−28,002	1940	4,021,146	2,625,379	+1,395,767
1835	115,216	136,764	−21,548	1889	742,401	745,132	−2,731				
1836	124,339	176,579	−52,240	1890	857,829	789,310	+68,519	1941	5,147,154	3,345,005	+1,802,149
1837	111,443	130,473	−19,030					1942	8,078,988	2,755,893	+5,323,095
1838	104,979	95,970	+9,009	1891	884,481	844,916	+39,565	1943	12,964,906	3,381,498	+9,583,408
1839	112,252	156,497	−44,245	1892	1,030,278	827,402	+202,876	1944	14,258,702	3,928,866	+10,329,837
1840	123,669	98,259	+25,410	1893	847,665	866,401	−18,736	1945	9,805,625	4,159,138	+5,646,487
				1894	892,141	654,995	+237,146	1946	9,738,321	4,942,054	+4,796,267
1841	111,817	122,958	−11,141	1895	807,538	731,970	+75,568	1947	14,429,747	5,756,333	+8,673,413
1842	99,878	96,075	+3,803	1896	882,607	779,725	+102,882	1948	12,653,058	7,123,877	+5,529,181
1843 [2]	82,826	42,433	+40,393	1897	1,050,994	764,730	+286,264	1949	12,000,202	6,626,221	+5,373,981

[1] Includes gold and silver prior to 1821.

[2] Period beginning Oct. 1, 1842, and ending June 30, 1843.

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

No. 1002.—Exports and Imports of Merchandise, Per Capita: 1791 to 1949

[Export figures for 1791 to 1820 are based on total exports including reexports (the latter were then relatively large) and for 1821 to date, on exports of United States merchandise only. Import figures for 1791 to 1820 are based on general imports; for 1821 to 1870, total imports less reexports; and for 1871 to date, imports for consumption. (See tables 1000 and 1023)]

YEARLY AVERAGE	Exports	Imports	YEARLY AVERAGE OR YEAR	Exports	Imports	YEAR	Exports	Imports	YEAR	Exports	Imports
	Dollars	*Dollars*		*Dollars*	*Dollars*		*Dollars*	*Dollars*		*Dollars*	*Dollars*
1791–1800	10.08	12.75	1926–1930	38.50	33.02	1920	74.70	47.16	1935	17.33	15.75
1801–1810	11.82	14.71	1931–1935	15.55	13.33	1921	39.86	23.27	1936	18.57	18.61
1811–1820	6.96	9.53	1936–1940	23.92	18.46	1922	33.75	27.55	1937	25.16	22.96
1821–1830	4.71	5.02	1941–1945 [1]	71.31	24.98	1923	36.11	32.95	1938	23.14	14.75
1831–1840	5.85	6.91	1909	17.96	14.05	1924	39.12	31.10	1939	23.44	17.08
1841–1850	5.67	5.60	1910	18.41	16.66	1925	41.30	35.80	1940 [1]	29.28	18.91
1851–1860	8.48	9.78	1911	21.34	16.19	1926	39.81	37.24	1941 [1]	38.64	24.19
1861–1870	6.73	8.94	1912	22.65	17.13	1927	39.63	34.67	1942 [1]	58.30	20.25
1871–1880	12.86	11.87	1913	24.97	18.17	1928	41.31	33.49	1943 [1]	92.24	24.35
1881–1890	13.31	12.12	1914	23.61	19.32	1929	41.77	35.14	1944 [1]	100.41	27.56
1891–1900	14.41	10.81	1915	27.13	16.46	1930	30.24	24.90	1945 [1]	67.24	28.75
1901–1910	18.54	13.29	1916	53.01	23.06	1931	18.86	16.57	1946 [1]	65.99	33.52
1911–1915	23.98	17.46	1917	59.48	28.14	1932	12.42	10.44	1947 [1]	97.09	38.60
1915–1920 [2]	61.20	31.37	1918	57.51	28.06	1933	12.90	11.22	1948 [1]	83.90	47.48
1921–1925	38.05	30.22	1919	72.69	35.90	1934	16.34	12.73	1949 [1]	78.19	43.41

[1] Based on estimated population including armed forces overseas. [2] Period July 1, 1915, to Dec. 31, 1920.

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

No. 1003.—Merchandise Trade of Continental United States With Foreign Countries and Outlying Territories and Possessions: 1903 to 1947

Important Note.—This table differs as to its geographic basis from all other foreign trade tables in this section and in other publications: (1) In the case of other tables the data represent the trade of the United States customs area with all foreign countries, including the Philippine Islands and prior to 1935, the Virgin Islands. The U. S. customs area comprises continental U. S., Alaska, Hawaii, Puerto Rico, and during 1935 through 1939, the Virgin Islands. Trade between continental U. S. and the territories mentioned as part of the customs area are therefore excluded from these data. (2) The present table takes continental United States as the basis. In the totals, trade between it and all United States Territories and possessions is included, while the trade between that part of the customs area outside of continental United States and foreign countries is excluded. Practically all other nations calculate their foreign trade in the manner followed in the present table; that is, totaling the trade of the home country with foreign countries and with all outlying areas. Prior to 1901 Alaska was our only outlying area. Therefore, our foreign trade statistics for 1900 and earlier years very nearly represent the trade of continental United States with foreign countries. Data are for years ending June 30 through 1918; thereafter, for years ending Dec. 31. For purposes of continuity of the data in this table, trade with the Republic of the Philippines has been treated as trade with a Territory through calendar year 1946, even though Philippine independence was established in July 1946.

[In thousands of dollars]

YEARLY AVERAGE OR YEAR	EXPORTS [1]			IMPORTS		
	Total	To foreign countries	To U. S. Territories and possessions	Total	From foreign countries	From U. S. Territories and possessions
1903–1905	1,495,616	1,456,132	39,484	1,090,764	1,026,341	64,423
1906–1910	1,829,286	1,761,625	67,661	1,410,329	1,324,594	85,734
1911–1915	2,441,254	2,337,591	103,664	1,811,234	1,681,207	130,027
1915–1920 [2]	6,656,126	6,452,539	203,587	3,596,084	3,274,496	321,588
1921–1925	4,552,455	4,335,341	217,114	3,650,280	3,351,378	298,902
1926–1930	4,961,994	4,694,505	267,488	4,270,498	3,896,506	373,992
1931–1935	2,172,765	1,973,634	199,131	1,913,075	1,610,686	302,389
1936–1940	3,456,009	3,130,930	325,080	2,725,584	2,365,490	360,095
1941–1945	10,300,012	[3] 9,883,005	417,008	3,772,234	3,464,722	307,512
1937	3,584,892	3,259,423	325,469	3,360,349	2,938,175	422,174
1938	3,317,903	3,004,131	313,772	2,181,571	1,849,602	331,969
1939	3,409,219	3,073,619	335,600	2,549,199	2,211,884	337,315
1940	4,302,018	3,925,653	376,365	2,838,221	2,521,685	316,536
1941	5,552,733	5,025,692	527,040	3,621,609	3,227,938	393,671
1942	8,402,718	8,076,572	326,147	3,000,852	2,734,456	266,396
1943	13,082,053	[3] 12,733,437	348,616	3,634,371	3,355,075	279,296
1944	14,358,404	[3] 13,985,680	372,723	4,188,024	3,900,173	287,851
1945	10,104,153	[3] 9,593,642	510,512	4,416,313	4,105,969	310,344
1946	10,311,117	9,430,231	880,886	5,280,304	4,868,092	412,212
1947	15,206,520	14,411,512	795,007	6,272,122	5,724,969	547,153

[1] Including reexports of foreign merchandise. [2] Period July 1, 1915, to Dec. 31, 1920.
[3] Excludes certain aircraft originating in continental U. S. cleared for foreign country through Alaska, valued as follows: 1943, $214,415,000; 1944, $270,639,000; 1945, $165,070,000.

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

No. 1004.—Exports (Including Reexports) and General Imports of Merchandise, by Months: 1944 to 1949

[In millions of dollars]

Month	1944		1945		1946		1947		1948		1949	
	Exports	Imports	Exports	Imports	Exports	Imports	Exports	Imports	Exports	Imports	Exports	Imports
January	1,124.2	301.4	902.7	332.0	798.3	393.9	1,113.7	533.0	1,091.6	546.6	1,104.2	590.3
February	1,106.9	314.7	886.8	327.6	669.8	323.6	1,146.0	437.8	1,084.6	589.0	1,043.6	566.7
March	1,197.0	358.8	1,029.2	365.3	816.2	388.0	1,326.4	444.5	1,138.6	674.6	1,177.1	632.6
April	1,230.8	362.9	1,005.3	366.3	756.7	408.3	1,294.3	515.1	1,121.3	531.6	1,165.8	534.5
May	1,455.2	387.6	1,135.5	373.4	850.8	394.5	1,413.5	475.0	1,102.5	553.5	1,092.2	540.6
June	1,296.2	332.1	868.0	361.0	877.7	383.8	1,234.9	464.1	1,014.0	624.8	1,103.9	526.0
July	1,196.9	294.3	894.5	359.7	825.4	434.8	1,154.7	451.8	1,019.2	563.6	898.9	456.4
August	1,190.9	305.3	738.0	360.6	883.3	431.0	1,145.0	405.8	991.9	605.5	879.6	490.7
September	1,193.7	282.1	513.9	340.0	642.6	377.5	1,111.7	475.2	925.6	560.2	905.7	530.7
October	1,143.8	328.7	455.4	348.4	536.5	393.7	1,234.7	493.1	1,023.1	600.2	850.3	558.9
November	1,184.9	324.4	639.1	327.0	985.4	480.4	1,141.2	455.6	823.2	554.3	836.1	593.7
December	938.0	336.6	737.1	297.9	1,095.6	532.6	1,113.6	605.4	1,317.5	720.0	942.9	605.1

No. 1005.—Exports and Imports of Gold, by Months: 1944 to 1949

[In thousands of dollars]

Month	1944		1945		1946		1947		1948		1949	
	Exports	Imports	Exports	Imports	Exports	Imports	Exports	Imports	Exports	Imports	Exports	Imports
January	26,707	3,438	2,382	3,093	116	154,186	102,593	85,774	6,590	241,568	6,399	72,612
February	152,172	27,079	240	2,152	467	82,900	49,215	69,577	2,560	161,948	4,499	25,978
March	109,648	7,976	22,143	2,994	361	31,757	17,691	171,325	27,385	127,328	5,108	24,879
April	109,073	30,084	256	2,654	28,423	7,889	17,458	61,508	28,178	262,334	12,020	25,615
May	64,994	3,794	22,388	4,122	28,707	1,679	3,028	132,762	61,887	213,214	1,612	11,142
June	63,375	2,697	86,388	2,631	748	37,077	2,685	202,917	44,782	222,523	5,483	12,389
July	64,321	3,374	20,795	13,816	2,529	8,877	3,639	222,839	2,486	269,178	6,890	137,986
August	115,389	6,245	15,871	3,531	10,816	26,027	5,118	116,776	47,353	86,431	11,563	268,936
September	75,248	3,254	261	13,757	31,846	24,217	2,085	111,685	25,993	79,283	15,857	114,002
October	79,655	16,303	6,742	2,425	806	24,989	5,619	456,450	8,337	129,908	2,397	58,527
November	14,640	2,621	2,357	3,146	733	78,636	1,600	267,301	21,097	75,321	2,998	10,629
December	24,006	6,971	20,146	39,399	115,915	54,722	2,509	180,674	24,128	112,141	10,110	8,697

No. 1006.—Exports and Imports of Silver, by Months: 1944 to 1949

[In thousands of dollars]

Month	1944		1945		1946		1947		1948		1949	
	Exports	Imports	Exports	Imports	Exports	Imports	Exports	Imports	Exports	Imports	Exports	Imports
January	1,470	2,700	7,132	2,378	20,937	2,490	2,945	13,295	1,636	7,222	581	2,116
February	5,075	1,338	8,824	2,362	4,794	3,679	12,700	4,589	220	6,196	261	3,278
March	12,768	1,570	13,605	1,817	888	1,602	3,523	5,332	229	5,331	214	6,444
April	10,630	1,561	7,793	1,383	119	2,918	1,865	7,220	5,763	5,560	4,783	2,825
May	2,776	3,092	779	1,872	268	930	1,387	4,488	2,564	9,146	514	12,190
June	763	2,251	26,694	1,868	322	1,187	1,685	4,408	42	5,747	1,818	10,237
July	29,040	1,360	518	1,193	106	7,089	1,636	3,410	278	4,352	11,910	6,824
August	32,163	1,571	3,151	1,059	273	8,283	630	4,659	18	4,781	2,090	6,056
September	17,611	1,993	84	1,569	1,147	5,557	374	4,440	52	5,758	160	5,628
October	9,904	1,743	236	5,768	166	4,385	2,509	6,087	61	6,910	86	7,508
November	2,198	2,023	9,528	2,835	858	11,595	1,042	6,917	123	4,973	184	6,370
December	2,517	2,172	12,592	3,173	6,579	7,861	352	3,296	1,419	4,908	680	4,060

Source of tables 1004, 1005, and 1006: Department of Commerce, Bureau of Census; annual report, Foreign Commerce and Navigation of the United States, and records.

No. 1007.—Gold Under Earmark for Foreign Account in the United States: 1938 to 1949

[All figures in thousands of dollars at rate of $35 a fine ounce. Gold under earmark is gold held by Federal Reserve banks in custody for foreign central banks and governments. Minus sign (—) denotes decrease. See also *Historical Statistics*, series N 170-171]

Year	Increase during year of gold under earmark	Month	Amount under earmark at end of month[1]					
			1944	1945	1946	1947	1948	1949
1938	333,457	January	3,505,003	3,995,330	4,306,354	3,632,326	3,033,286	3,780,349
1939	534,417	February	3,493,517	4,032,722	4,312,125	4,316,800	3,705,452	3,802,549
1940	644,669	March	3,542,235	4,079,646	4,292,396	4,113,260	3,768,827	3,819,274
1941	407,678	April	3,612,777	4,132,836	4,277,306	3,841,270	3,880,374	3,837,015
1942	458,437	May	3,705,887	4,199,693	4,249,845	3,828,213	3,883,215	3,799,240
1943	803,620	June	3,712,283	4,103,667	4,234,834	3,709,254	3,801,544	3,677,608
1944	459,762	July	3,808,910	4,204,014	4,226,838	3,682,509	3,989,955	3,697,544
1945	356,655	August	3,806,221	4,267,004	4,166,716	3,640,192	3,930,480	3,906,084
1946	—465,419	September	3,833,599	4,286,013	4,154,410	3,487,080	3,832,342	4,060,883
1947	—209,979	October	3,856,246	4,251,366	4,038,721	3,491,049	3,831,373	4,150,000
1948	159,232	November	3,890,915	4,289,567	3,911,236	3,573,835	3,731,714	4,213,939
1949	495,679	December	3,937,170	4,293,825	3,828,406	3,618,427	3,777,659	4,273,338

[1] On certain occasions during this period, figures include gold earmarked in the names of domestic banks as security for foreign loans; beginning August 1946 they include gold held for the account of international institutions.

Source: Board of Governors of the Federal Reserve System; Banking and Monetary Statistics through 1941; Federal Reserve Bulletin thereafter.

No. 1008.—Exports and Imports of Merchandise, by Economic Classes—Percent Distribution: 1821 to 1949

[Percentages based on figures shown in table 1009]

Year or yearly average	Percent of total exports of United States merchandise					Percent of total imports[2]				
	Crude materials	Crude foodstuffs	Manufactured foodstuffs[1]	Semi-manufactures	Finished manufactures	Crude materials	Crude foodstuffs	Manufactured foodstuffs[1]	Semi-manufactures	Finished manufactures
1821	60.62	4.79	19.51	9.42	5.66	4.66	11.15	19.85	7.48	56.86
1830	62.65	4.65	16.32	7.04	9.34	7.65	11.77	15.39	8.22	56.97
1840	67.83	4.09	14.27	4.34	9.47	12.36	15.54	15.46	11.56	45.09
1850	62.36	5.59	14.84	4.49	12.72	7.24	10.38	12.37	15.08	54.93
1851-1860	61.67	6.61	15.39	4.01	12.32	9.63	11.70	15.43	12.50	50.74
1861-1870	38.80	15.59	24.09	5.19	16.34	12.63	13.64	18.98	13.77	40.98
1871-1880	38.59	19.70	21.99	4.61	15.10	17.24	15.98	20.72	13.05	33.01
1881-1890	35.96	17.99	25.26	5.15	15.65	21.36	15.35	17.77	14.78	30.74
1891-1900	20.89	18.06	25.62	7.98	18.45	26.45	16.92	16.96	13.87	25.80
1901-1910	30.98	10.55	20.14	12.77	25.57	34.07	11.80	12.04	17.32	24.77
1911-1915	30.74	8.83	14.32	15.41	30.70	34.91	12.80	12.56	17.37	22.36
1915-1920[3]	18.22	9.16	17.66	15.39	39.58	40.13	12.15	16.21	17.10	14.40
1921-1925	27.54	9.74	13.93	12.45	36.33	37.40	11.09	12.99	17.66	20.86
1926-1930	24.40	6.40	9.72	14.14	45.35	36.80	12.56	9.88	18.89	21.88
1931-1935	30.23	3.85	8.83	14.51	42.57	28.91	15.61	13.73	18.72	23.03
1936-1940	19.05	3.77	5.53	19.30	52.36	33.08	13.10	14.16	20.94	18.72
1941-1945	5.78	1.67	11.64	9.39	71.54	33.01	16.36	11.51	21.15	17.97
1940	11.79	1.88	4.24	22.88	59.21	39.79	11.22	10.92	21.99	16.09
1941	7.21	1.66	8.34	15.37	67.43	42.72	11.68	10.00	22.48	13.13
1942	5.22	.84	11.55	11.47	70.89	38.15	12.54	9.87	23.00	16.44
1943	5.15	.84	12.08	8.48	73.45	30.60	17.23	12.42	19.98	19.76
1944	3.91	.94	11.52	7.74	75.87	27.73	21.64	13.40	18.17	19.05
1945	9.08	4.51	13.00	8.13	65.28	28.87	16.92	11.26	22.65	20.30
1946	14.90	6.82	16.02	9.42	52.83	35.84	16.88	10.44	19.29	17.55
1947	11.08	5.96	10.41	12.17	60.39	31.17	17.94	11.57	21.97	17.34
1948	11.88	10.10	10.48	10.94	56.60	30.27	17.93	10.31	23.03	18.46
1949	14.98	11.28	7.45	11.39	54.90	28.12	20.21	11.24	21.55	18.89

[1] Includes beverages.
[2] "General imports" through 1932, "imports for consumption" thereafter.
[3] Period July 1, 1915, to Dec. 31, 1920.

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

No. 1009.—Exports of U. S. Merchandise, and Imports, by Economic Classes: 1821 to 1949

[**In thousands of dollars.** For basis of dollar values, see general note, p. 827. Figures cover fiscal years ending Sept. 30, 1821 to 1840, and June 30, 1850 to 1915; calendar years thereafter, except as noted. For articles covered by each class, see *Foreign Commerce and Navigation of the United States.* See also *Historical Statistics*, series M 56-67]

YEARLY AVERAGE OR YEAR	Total	Crude materials	Crude foodstuffs	Manufactured foodstuffs [1]	Semi-manufactures	Finished manufactures
	EXPORTS OF UNITED STATES MERCHANDISE					
1821	51,684	31,332	2,475	10,085	4,867	2,925
1830	58,525	36,665	2,724	9,557	4,118	5,462
1840	111,661	75,735	4,565	15,936	4,841	10,584
1850	134,900	84,124	7,536	20,017	6,061	17,162
1851-1860	232,149	143,156	15,337	35,734	9,317	28,605
1861-1870	238,947	105,643	32,764	50,446	12,047	38,048
1871-1880	574,889	216,219	117,030	128,599	26,428	86,614
1881-1890	750,146	269,174	135,711	189,489	38,534	117,239
1891-1900	1,006,183	295,876	182,812	255,670	82,422	189,404
1901-1910	1,589,000	493,391	164,900	316,800	205,170	408,740
1911-1915	2,331,648	716,637	205,939	333,971	359,239	715,861
1915-1920 [2]	6,416,513	1,168,995	587,588	1,133,226	987,185	2,539,520
1921-1925	4,310,221	1,187,056	420,002	600,710	536,793	1,565,660
1926-1930	4,687,788	1,143,762	299,794	455,814	662,688	2,125,730
1931-1935	1,988,914	601,344	76,528	175,686	288,622	846,734
1936-1940	3,166,518	603,209	119,282	174,998	610,984	1,658,045
1941-1945	9,922,152	573,224	165,301	1,154,443	931,461	7,098,070
1940	3,934,181	463,678	74,018	166,871	900,022	2,329,590
1941	5,019,877	361,741	83,578	418,457	771,442	3,384,659
1942	8,003,113	418,013	67,838	924,699	920,275	5,672,288
1943	12,841,542	661,782	109,067	1,550,738	1,089,400	9,430,557
1944	14,161,544	553,962	133,826	1,632,605	1,096,674	10,744,477
1945	9,584,684	870,623	432,147	1,245,727	779,515	6,256,672
1946	9,500,184	1,415,808	648,103	1,522,400	895,125	5,018,748
1947	14,252,285	1,578,541	848,887	1,483,157	1,734,329	8,607,371
1948	12,532,093	1,488,449	1,265,820	1,313,704	1,370,393	7,093,726
1949	11,885,196	1,780,303	1,340,527	885,771	1,354,073	6,524,521
	IMPORTS [3]					
1821	54,521	2,540	6,081	10,821	4,079	30,999
1830	62,721	4,797	7,382	9,654	5,152	35,735
1840	98,259	12,140	15,274	15,189	11,356	44,300
1850	173,510	12,556	18,012	21,466	26,163	95,313
1851-1860	284,475	27,394	33,286	43,904	35,559	144,332
1861-1870	331,867	41,939	45,261	62,997	45,688	135,982
1871-1880	535,222	92,268	85,532	110,913	69,839	176,671
1881-1890	692,187	147,852	106,253	122,978	102,385	212,769
1891-1900	763,328	201,870	129,177	129,425	105,919	196,938
1901-1910	1,158,500	394,659	136,675	139,438	200,693	287,036
1911-1915	1,712,319	597,701	219,035	215,144	297,476	382,963
1915-1920 [2]	3,358,354	1,347,667	408,152	544,549	574,421	483,566
1921-1925	3,450,103	1,290,375	382,539	448,089	609,225	719,875
1926-1930	4,033,469	1,484,123	506,616	398,310	762,034	882,385
1931-1935	1,704,267	492,638	265,985	233,963	319,123	392,558
1936-1940	2,440,042	807,235	319,603	345,523	510,950	456,731
1941-1945	3,475,593	1,147,159	568,713	400,069	735,153	624,499
1940	2,540,656	1,010,841	285,066	277,444	558,606	408,699
1941	3,221,954	1,376,440	376,179	322,058	724,226	423,051
1942	2,780,317	1,060,713	348,576	274,507	639,506	457,015
1943	3,390,101	1,037,386	584,227	421,157	677,505	669,826
1944	3,887,490	1,078,173	841,348	520,979	706,235	740,755
1945	4,098,101	1,183,081	693,235	461,644	928,291	831,850
1946	4,824,902	1,729,074	814,403	503,946	930,600	846,879
1947	5,666,321	1,766,160	1,016,775	655,698	1,244,908	982,781
1948	7,092,032	2,147,007	1,271,611	731,173	1,633,140	1,309,101
1949	6,598,058	1,855,145	1,333,201	741,633	1,421,974	1,246,105

[1] Includes beverages. [2] Period July 1, 1915, to Dec. 31, 1920.
[3] "General imports" through 1932, "imports for consumption" thereafter.

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

No. 1010.—Exports of U. S. Merchandise and Imports—Indexes of Changes in Quantity, Unit Value (Price), and Total Value: 1913 to 1949

[Quantity and unit value indexes have been constructed by so-called "ideal formula," essential feature of which is use of quantities of several articles as weighting factors of their unit values for each pair of years compared. About 265 commodities were included in direct calculations for both exports and imports. It was then assumed that prices of articles in each economic class not directly covered had moved in parallel with those of articles covered and their value, adjusted by computed price index, was included in aggregative totals from which quantity index for each class was calculated. Index of quantity and unit value of total exports and imports was based on aggregate of adjusted totals of classes. In constructing indexes, data for 1919 were linked directly to 1913, and each subsequent year was compared with that preceding. Resulting year-to-year percentages were made into a series by chain method]

[1923-25 average=100]

Yearly average or year	Quantity	Unit value	Value	Quantity	Unit value	Value	Quantity	Unit value	Value	Quantity	Unit value	Value
	Exports of United States merchandise											
	Total			Crude materials			Crude foodstuffs			Manufactured foodstuffs [1]		
1913	84	65	55	123	47	59	81	65	53	73	76	56
1921-1925	97	99	96	99	91	90	134	97	130	105	99	104
1926-1930	122	86	105	123	70	87	101	92	93	81	97	79
1931-1935	76	59	45	105	43	46	46	52	24	49	62	30
1936-1940	106	67	71	90	50	45	69	54	37	43	70	30
1941-1945	229	97	222	63	69	43	59	86	51	182	110	200
1941	154	73	112	47	56	27	44	59	26	93	77	73
1942	201	89	179	48	65	32	30	71	21	160	106	160
1943	293	98	287	69	72	50	38	89	34	236	113	269
1944	283	112	317	55	75	42	41	101	41	219	128	283
1945	192	112	215	87	76	66	122	110	134	170	126	216
1946	201	106	213	125	86	107	167	121	201	201	130	264
1947	252	126	319	119	100	120	190	139	263	159	161	257
1948	208	134	280	99	114	113	274	143	392	139	164	228
1949	214	124	266	124	108	135	330	126	415	118	131	154

Yearly average or year	Semimanufactures			Finished manufactures			Total			Crude materials		
	Exports of U. S. merchandise—continued						Imports [2]					
1913	91	72	65	65	73	48	66	70	46	58	72	42
1921-1925	88	100	88	90	107	96	94	94	89	97	90	88
1926-1930	114	95	108	143	91	130	116	90	104	116	87	101
1931-1935	72	65	47	81	64	52	92	48	45	92	36	33
1936-1940	127	80	101	148	68	101	113	56	64	107	51	55
1941-1945	153	100	152	424	102	434	117	77	91	110	71	78
1941	140	91	127	274	75	207	134	63	84	161	58	94
1942	152	98	150	374	93	347	100	73	73	110	66	72
1943	175	102	178	558	103	576	112	79	88	97	73	71
1944	171	105	179	545	121	657	120	85	102	95	77	73
1945	124	103	128	318	120	382	122	87	107	100	80	80
1946	137	107	146	293	105	307	130	97	126	145	81	117
1947	206	138	283	428	123	526	124	119	148	134	90	120
1948	150	149	223	334	130	433	141	132	185	144	101	146
1949	156	141	221	327	122	399	137	125	172	129	97	126

Yearly average or year	Crude foodstuffs			Manufactured foodstuffs [1]			Semimanufactures			Finished manufactures		
	Imports [2]—continued											
1913	67	77	52	74	54	40	64	75	48	84	64	54
1921-1925	98	91	89	96	94	91	87	98	86	93	100	93
1926-1930	109	109	118	119	68	80	112	96	107	123	93	114
1931-1935	110	56	62	112	44	49	73	62	45	89	58	51
1936-1940	133	56	75	149	49	73	101	72	72	102	59	60
1941-1945	152	88	133	127	67	85	115	90	104	98	84	82
1941	141	62	88	140	49	68	128	80	103	81	69	56
1942	98	83	82	89	65	58	102	88	91	79	76	60
1943	151	90	137	127	71	89	104	92	96	104	84	88
1944	197	100	197	154	72	111	106	95	100	105	93	97
1945	157	103	162	129	76	98	137	96	131	113	96	109
1946	147	130	191	123	87	107	123	107	132	100	111	111
1947	130	183	238	130	107	139	130	136	176	93	139	129
1948	147	202	298	142	109	155	149	155	231	114	151	172
1949	162	193	312	150	105	157	141	143	201	112	147	164

[1] Includes beverages.
[2] Based on "general imports" through 1933; on "imports for consumption" thereafter. 1949 figures are preliminary.

Source: Department of Commerce, Office of International Trade.

No. 1011.—Exports of United States Merchandise, by Commodity Groups: 1936 to 1949

[In thousands of dollars. See general note, p. 827]

COMMODITY	1936–1940, average	1941–1945, average	1945	1946	1947	1948	1949
Total exports of domestic merchandise	3,166,518	9,922,152	9,584,684	9,500,184	14,252,285	12,532,093	11,885,196
Group 00.—Animals and animal products, edible, total	67,355	898,205	853,426	935,165	623,420	413,166	380,859
Animals, edible	492	1,965	4,797	9,078	4,192	3,832	3,511
Meat products	26,409	379,553	289,540	341,413	129,300	56,753	51,521
Animal oils and fats, edible[1]	17,141	106,747	100,464	92,788	96,959	72,052	92,791
Dairy products	7,879	181,987	236,221	296,105	239,556	210,004	174,163
Fish	14,097	31,086	30,903	38,448	50,319	21,020	29,212
Other edible animal products	1,337	196,865	191,501	157,332	103,095	49,505	29,661
Group 0.—Animals and animal products, inedible, total	46,398	67,244	102,565	170,822	178,333	128,192	156,881
Hides and skins, raw, except furs	4,509	1,124	1,412	11,814	22,588	11,582	21,068
Leather	14,418	20,497	19,547	24,228	33,373	20,462	28,286
Leather manufactures	8,372	27,270	43,455	60,190	41,534	39,140	28,035
Furs and manufactures	14,763	10,976	26,554	48,272	48,805	30,586	25,902
Animal oils and greases, inedible	1,346	3,489	4,865	2,981	15,995	18,763	45,294
Other inedible animals and animal products	2,991	3,888	6,732	23,337	16,038	7,659	8,297
Group 1.—Vegetable food products and beverages, total	226,272	417,609	819,998	1,229,920	1,702,063	2,159,189	1,838,472
Grains and preparations	104,622	174,020	444,247	788,839	1,242,531	1,704,657	1,455,963
Fodders and feeds	9,736	4,124	10,801	5,228	27,075	14,434	33,388
Vegetables and preparations	15,304	83,002	154,402	143,120	122,790	155,679	87,753
Fruits and nuts	76,111	87,718	128,442	171,459	199,096	194,404	139,711
Vegetable oils and fats, edible[1]	3,342	14,038	15,492	18,334	18,652	24,061	60,857
Cocoa and coffee	2,749	1,686	2,156	10,539	9,217	10,020	8,844
Spices	243	675	811	1,825	1,908	1,042	598
Sugar and related products	10,444	31,272	34,894	58,413	45,768	28,177	18,739
Beverages	3,720	21,075	28,752	32,162	35,025	26,715	32,619
Group 2.—Vegetable products, inedible, except fibers and wood, total	194,282	355,081	500,143	711,929	709,586	561,552	625,251
Rubber and manufactures	33,293	118,585	154,862	181,367	214,516	132,402	114,429
Naval stores, gums, and resins	16,117	13,778	12,964	27,288	47,763	30,494	32,044
Drugs, herbs, leaves, and roots, crude	1,798	1,662	2,252	5,457	4,349	2,671	2,729
Oilseeds	3,998	5,604	19,646	10,289	7,439	32,777	80,721
Vegetable oils	4,693	30,618	14,116	22,179	47,165	37,336	53,508
Vegetable dyeing and tanning extracts	1,800	1,406	1,200	2,508	2,230	1,158	764
Seeds except oilseeds	2,463	13,034	16,246	23,709	19,243	12,987	12,014
Nursery and greenhouse stock	433	447	881	1,196	1,431	1,105	925
Tobacco and manufactures	123,099	153,557	257,620	413,654	332,740	286,919	308,614
Miscellaneous vegetable products	6,590	16,390	20,358	24,283	32,710	23,703	19,503
Group 3.—Textiles, total	386,213	523,510	770,651	1,283,240	1,807,509	1,359,141	1,547,011
Cotton, unmanufactured	282,940	151,727	278,678	538,155	423,241	511,005	874,216
Cotton semimanufactures	13,199	14,586	13,830	20,562	103,644	43,749	41,162
Cotton manufactures	47,710	170,752	222,094	354,680	748,848	454,971	324,917
Jute and manufactures	1,988	3,909	6,315	6,241	10,881	9,385	5,473
Flax, hemp, and ramie, and manufactures	527	1,219	2,950	9,491	3,055	5,811	4,940
Other vegetable fibers and manufactures	1,162	2,683	2,614	894	5,593	938	1,646
Wool, mohair, and Angora rabbit hair, unmanufactured	149	5,500	14,850	7,349	4,533	513	11,747
Wool semimanufactures	2,009	5,748	6,727	11,235	25,188	10,895	13,429
Wool manufactures	2,810	72,775	108,231	108,105	62,972	33,925	17,936
Hair and manufactures	2,156	1,646	2,273	3,344	5,406	3,902	5,196
Silk manufactures	6,338	1,702	250	2,330	7,274	1,428	1,720
Rayon and other synthetic textiles	12,397	49,238	71,212	141,329	307,719	230,744	204,749
Miscellaneous textile products	12,327	42,026	40,628	79,025	99,156	51,876	39,881

[1] Oleomargarine included with "Vegetable oils and fats, edible" in 1949, and with "Animal oils and fats, edible" in prior years.

No. 1011.—Exports of United States Merchandise, by Commodity Groups: 1936 to 1949—Continued

[In thousands of dollars]

COMMODITY	1936–1940, average	1941–1945, average	1945	1946	1947	1948	1949
Group 4.—Wood and paper, total	118,374	161,836	195,222	211,080	373,801	248,247	214,481
Wood, unmanufactured	4,898	2,423	2,071	5,681	7,740	6,368	7,430
Wood semimanufactures—sawmill products	43,162	29,752	34,402	50,364	120,589	64,027	59,879
Wood manufactures	16,211	36,039	54,637	36,323	68,266	35,518	31,065
Cork manufactures	935	1,871	2,208	2,464	3,646	3,761	4,107
Paper base stocks	17,668	19,582	10,896	8,755	29,885	19,310	18,380
Paper and manufactures	35,500	72,168	91,007	107,494	143,676	119,263	93,620
Group 5.—Nonmetallic minerals, total	466,369	848,002	1,091,734	935,191	1,528,028	1,368,419	1,081,540
Coal and related fuels	66,745	164,497	198,258	315,735	632,448	492,275	307,940
Petroleum and products	345,619	572,845	753,084	435,759	641,395	657,047	561,407
Stone, cement, and lime	2,528	8,724	16,539	15,001	24,670	23,834	18,566
Glass and glass products	10,310	27,265	36,195	54,685	79,657	58,648	51,544
Clays and clay products	9,449	19,550	22,406	30,387	44,742	46,105	47,977
Other nonmetallic minerals, including precious	31,718	55,122	65,253	83,623	105,116	90,519	94,106
Group 6.—Metals and manufactures, except machinery and vehicles, total	476,637	884,491	696,335	727,481	1,363,898	1,124,407	1,123,446
Iron ore	3,232	7,259	6,688	5,491	10,014	13,745	14,654
Iron and steel semimanufactures	196,955	324,347	230,621	234,952	434,461	315,400	352,286
Steel-mill products—manufactures	72,617	218,736	226,825	212,168	390,003	334,056	379,850
Iron and steel, advanced manufactures	50,304	116,442	114,932	155,839	265,833	211,548	183,382
Ferro-alloys, ores, and metals, n. e. s.	13,392	6,719	3,701	2,723	6,190	10,323	5,040
Nonferrous metals, except precious	137,421	209,114	110,968	112,323	252,170	234,484	182,910
Precious metals and plated ware, except jewelry, and gold and silver in ore, bullion, and coin	2,717	1,873	2,600	3,985	5,227	4,850	5,323
Group 7.—Machinery and vehicles, total	912,154	4,274,262	3,437,893	2,223,810	4,456,358	3,685,270	3,516,848
Electrical machinery and apparatus	165,605	257,992	293,857	299,947	562,188	491,212	470,208
Industrial machinery	281,897	675,193	706,066	847,328	1,336,799	1,254,162	1,319,894
Office appliances	29,370	17,086	22,142	50,463	101,758	86,938	84,026
Printing machinery	9,816	4,465	5,542	12,607	33,133	44,790	44,866
Agricultural machinery and implements [2]	68,027	118,232	163,353	46,366	95,563	113,916	128,405
Automobiles and other vehicles [2]	417,439	3,201,294	2,246,932	967,099	2,326,917	1,694,251	1,469,450
Group 8.—Chemicals and related products, total	153,099	399,956	413,434	500,133	782,939	779,795	774,066
Coal-tar products	16,297	32,604	35,218	63,260	120,772	101,022	84,384
Medicinal and pharmaceutical preparations	20,208	75,709	115,654	144,643	176,735	193,156	198,205
Chemical specialties	29,182	66,669	78,456	95,416	152,543	153,781	[3] 186,325
Industrial chemicals	32,888	97,405	90,225	82,283	160,862	139,557	117,105
Pigments, paints, and varnishes	20,638	25,276	30,749	50,556	85,507	80,170	76,359
Fertilizers and fertilizer materials	17,676	17,489	18,213	22,374	35,609	77,687	92,163
Explosives, fuses, etc.	7,203	69,063	16,430	4,751	9,598	8,499	(4)
Soap and toilet preparations	9,007	15,739	28,490	36,849	41,314	25,922	19,465
Group 9.—Miscellaneous, total	119,365	1,091,959	703,283	571,411	726,349	704,703	626,340
Photographic and projection goods	19,617	22,361	26,999	42,762	68,615	59,588	53,744
Scientific and professional instruments, apparatus, and supplies	12,648	107,760	134,204	63,678	89,299	71,139	60,690
Musical instruments	2,582	2,988	3,425	11,941	19,651	14,022	13,544
Miscellaneous office supplies	6,668	11,413	16,859	45,887	61,602	35,800	23,178
Toys, athletic and sporting goods	4,906	3,707	5,137	16,968	22,825	18,183	13,734
Firearms and ammunition	17,500	751,909	243,161	11,204	17,689	57,130	[5] 4,240
Books, maps, pictures, and other printed matter	21,794	32,712	48,866	69,128	73,638	67,108	57,966
Clocks and watches	2,828	3,982	3,128	6,519	12,851	11,660	12,084
Art works—painting and statuary	1,025	1,002	1,805	2,973	2,656	1,791	1,218
Jewelry	2,775	5,621	10,541	27,775	25,322	16,310	25,060
Miscellaneous, n. e. s.	27,020	148,504	209,157	272,576	332,200	351,972	[6] 360,880

[2] Beginning 1946, tractors, parts and accessories included with "Automobiles and other vehicles"; with "Agricultural machinery and implements" in prior years.
[3] Includes explosives, fuses, and blasting caps.
[4] Not reported separately.
[5] Includes only sporting rifles, shotguns, fireworks, and pyrotechnics. See note 6.
[6] Includes firearms (except sporting rifles and shotguns) and ordnance equipment reported under "Firearms and ammunition" in prior years.

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

No. 1012.—Imports of Merchandise, by Commodity Groups: 1936 to 1949

[In thousands of dollars. Represents imports for consumption. See general note, p. 827]

COMMODITY	1936-1940, average	1941-1945, average	1945	1946	1947	1948	1949
Total imports of merchandise	2,440,042	3,475,593	4,098,101	4,824,902	5,666,321	7,092,032	6,598,058
Group 00.—Animals and animal products, edible, total	90,761	103,985	136,666	159,728	127,103	295,194	269,459
Animals, edible	15,535	21,225	23,095	28,081	11,052	73,851	60,389
Meat products	28,064	28,823	29,095	16,362	22,859	90,464	71,816
Animal oils and fats, edible	661	791	199	8	36	170	111
Dairy products	13,013	4,757	3,805	11,402	6,447	9,469	17,561
Fish	30,819	46,030	76,261	89,728	82,978	111,039	112,447
Other edible animal products	2,670	2,358	4,210	5,148	3,732	6,201	7,136
Group 01.—Animals and animal products, inedible, total	169,882	236,821	272,136	456,333	310,947	393,460	277,702
Hides and skins, raw (except furs)	50,591	67,789	49,954	77,471	85,839	107,765	72,587
Leather	8,748	14,355	22,967	37,137	18,327	18,706	13,553
Leather manufactures	7,644	9,361	17,853	33,116	11,558	10,125	9,057
Furs and manufactures	69,781	107,797	144,148	238,378	125,889	164,548	108,960
Animal oils, fats, and greases, inedible	6,512	9,820	7,026	6,563	7,126	14,321	7,307
Other animals and animal products, inedible	26,606	27,699	30,188	63,668	62,209	77,995	66,237
Group 1.—Vegetable food products and beverages, total	574,365	864,797	1,018,213	1,167,620	1,545,370	1,707,589	1,805,375
Grains and preparations	44,342	112,286	79,353	24,839	6,471	28,873	75,311
Fodders and feeds	11,318	16,397	20,271	26,479	12,617	18,892	24,047
Vegetables and preparations	19,413	29,678	42,932	51,957	52,606	60,237	52,417
Fruits and nuts	59,902	63,201	109,815	143,281	136,053	161,324	146,839
Vegetable oils and fats, edible	17,503	8,427	15,622	8,461	7,949	19,796	8,957
Cocoa, coffee, and tea	191,568	331,852	424,342	565,128	783,815	939,722	970,103
Spices	12,501	15,689	19,844	27,987	35,794	30,871	37,876
Sugar and related products	152,536	211,915	235,863	223,409	442,112	360,301	397,269
Beverages	65,282	75,262	70,171	96,078	67,893	87,574	92,556
Group 2.—Vegetable products, inedible, except fibers and wood, total	393,850	369,791	378,920	601,063	797,535	780,891	605,712
Rubber and manufactures	211,308	165,642	128,456	242,897	325,778	320,609	251,328
Gums, resins, and balsams, n. e. s.	12,758	25,118	27,197	50,625	43,356	39,928	28,568
Drugs, herbs, leaves, roots, etc.	10,398	17,050	25,436	32,409	29,158	29,925	25,979
Oilseeds	40,086	40,564	34,748	52,634	139,280	160,782	95,178
Vegetable oils	60,773	45,662	49,087	87,298	122,394	93,470	74,001
Dyeing and tanning materials, n. e. s.	6,790	11,852	14,730	16,668	20,491	26,623	16,582
Seeds, except oilseeds	5,512	3,932	6,728	7,873	6,678	18,830	19,735
Nursery and greenhouse stock	3,255	1,602	4,519	9,777	8,938	8,885	9,162
Tobacco and manufactures	37,706	54,223	82,474	89,626	93,054	80,118	75,505
Miscellaneous vegetable products	5,263	4,146	5,544	11,258	8,409	11,720	9,674
Group 3.—Textiles, total	382,072	461,117	499,927	762,397	639,581	863,009	689,253
Cotton, unmanufactured	11,425	20,208	28,666	50,018	48,260	42,014	22,846
Cotton semimanufactures	3,404	2,740	4,051	9,003	7,037	7,428	6,687
Cotton manufactures	38,735	16,202	33,817	35,440	23,992	45,372	43,169
Jute and manufactures	47,056	63,255	74,343	95,294	132,876	171,434	141,995
Flax, hemp, and ramie, and manufactures	27,450	12,556	9,003	33,619	25,787	33,863	33,698
Other vegetable fiber and manufactures	25,993	41,764	50,574	46,013	81,985	76,704	73,740
Wool, including mohair, etc., unmanufactured	61,291	247,905	241,300	289,409	208,942	307,673	222,223
Wool semimanufactures	6,405	6,496	5,682	9,519	6,357	24,256	28,162
Wool manufactures	19,601	16,067	18,853	31,594	33,151	54,831	46,803
Hair and manufactures, n. e. s.	4,117	8,200	10,216	11,663	9,230	10,577	8,508
Silk, unmanufactured	109,947	13,021	2,046	102,587	16,078	15,900	7,527
Silk manufactures	8,250	2,228	2,668	7,407	12,981	24,393	24,883
Manufactures of rayon or other synthetic textiles	7,815	2,186	5,380	19,707	16,900	29,720	9,206
Miscellaneous textile products	10,584	8,287	13,327	21,066	16,006	18,844	19,805

No. 1012.—Imports of Merchandise, by Commodity Groups: 1936 to 1949—Continued

[In thousands of dollars]

COMMODITY	1936–1940, average	1941–1945, average	1945	1946	1947	1948	1949
Group 4.—Wood and paper, total	261,779	327,821	394,211	554,713	831,116	987,435	841,919
Wood, unmanufactured	7,903	11,182	13,738	18,604	22,268	29,379	19,397
Wood semimanufactures—sawmill products	19,328	50,280	57,289	78,374	101,587	152,078	113,164
Wood manufactures	11,371	11,569	13,114	22,030	33,670	38,210	33,517
Cork and manufactures	5,872	9,023	12,044	16,511	16,865	14,259	10,295
Paper base stocks	93,395	101,123	140,484	165,533	293,557	315,729	212,897
Paper and manufactures	123,911	144,645	157,542	253,661	363,169	437,779	452,650
Group 5.—Nonmetallic minerals, total	137,176	246,052	336,870	428,146	458,602	679,648	694,078
Coal and related fuels	4,844	4,297	3,026	2,942	2,467	4,224	6,468
Petroleum and products	47,654	93,981	151,959	159,373	250,400	415,669	477,706
Stone, cement, lime, and gypsum	3,564	9,547	7,535	6,410	7,053	10,465	7,174
Glass and glass products	6,102	1,084	1,263	4,091	5,567	6,440	7,368
Clays and clay products	9,515	6,175	7,610	9,783	13,562	20,338	23,787
Other nonmetallic minerals	21,466	46,834	38,478	41,908	55,933	72,873	69,800
Precious stones and imitations	44,034	84,133	127,000	203,639	123,619	149,140	101,775
Group 6.—Metals and manufactures, except machinery and vehicles, total	242,551	519,481	597,188	387,775	595,394	875,221	963,192
Iron ore and concentrates	5,697	3,088	4,114	10,371	22,073	27,330	36,791
Iron and steel semimanufactures	4,840	1,764	2,402	2,313	4,143	30,299	48,112
Steel-mill products—manufactures	10,807	5,811	7,927	4,624	4,951	12,262	17,968
Iron and steel, advanced manufactures	2,882	3,178	3,099	3,912	4,729	5,370	5,724
Ferro-alloys	25,513	64,793	60,479	58,665	66,606	86,898	76,529
Nonferrous metals, except precious	183,770	427,085	499,576	285,641	475,407	691,295	759,739
Precious metals, jewelry, and plated ware, except gold and silver in ore, bullion, and coin	9,042	13,762	19,592	22,248	17,487	21,766	18,330
Group 7.—Machinery and vehicles, total	17,532	83,125	121,525	44,253	67,058	153,775	135,131
Electrical machinery and apparatus	2,075	14,438	5,577	3,480	3,408	5,325	4,322
Industrial, office and printing machinery	9,074	9,999	11,592	11,520	15,552	21,355	26,728
Agricultural machinery and implements	4,519	6,051	10,446	17,257	35,046	81,002	82,993
Automobiles and other vehicles, except agricultural	1,864	52,638	93,910	11,996	13,052	46,093	21,087
Group 8.—Chemicals and related products, total	79,662	130,741	144,608	99,615	105,246	111,449	106,764
Coal-tar chemicals	15,501	9,719	11,877	6,248	11,514	18,169	13,181
Medicinal and pharmaceutical preparations	4,847	7,920	10,189	8,416	7,560	6,242	5,918
Industrial chemicals	19,036	28,835	37,773	38,139	34,501	22,633	18,259
Pigments, paints, and varnishes	1,605	780	1,054	1,333	1,553	2,044	1,424
Fertilizers and materials	35,250	31,688	41,327	35,330	43,449	56,180	62,685
Explosives	621	49,401	37,795	1,922	1,935	2,617	1,740
Soap and toilet preparations	2,801	2,398	4,593	8,227	4,733	3,565	3,557
Group 9.—Miscellaneous, total	90,412	131,861	197,837	172,258	188,370	244,361	209,474
Photographic goods	6,601	1,433	1,744	2,100	4,569	7,817	7,062
Scientific and professional instruments, apparatus, and supplies, n. e. s.	2,047	1,523	1,209	950	1,186	2,970	4,709
Musical instruments	3,795	1,211	2,007	6,832	7,690	9,842	9,730
Toys, athletic and sporting goods	2,964	800	1,543	2,872	2,923	4,901	5,584
Firearms	294	13,080	12,411	430	908	1,947	1,597
Books and other printed matter	8,388	5,394	8,654	11,783	12,727	13,694	13,724
Clocks, watches, etc	10,275	38,652	59,816	64,828	53,980	60,039	50,766
Art works	19,224	3,678	5,391	18,591	15,552	17,951	19,725
Miscellaneous articles, n. e. s.	36,824	66,090	105,062	63,872	88,775	125,201	96,577

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

No. 1013.—Exports of United States Merchandise—Value of Selected Articles: 1821 to 1949

[**In thousands of dollars.** For basis of dollar values, except export figures for 1870–78, see general note, p. 827. Export figures for those years are mixed gold and currency values. Figures are for fiscal years ending Sept. 30 through 1840, and June 30, 1850 through 1915; calendar years thereafter. In some cases blanks represent entire absence of trade; in other cases the item is not available separately]

Year or yearly average	Meat products	Animal fats and oils [1]	Leather	Rye	Wheat and wheat flour	Oil cake and oil-cake meal	Fruits and nuts [2]	Rubber and manufactures [3]	Naval stores, gums, and resins	Tobacco, unmanufactured
1821					4,476				315	5,649
1830					6,132		24		356	5,586
1840					11,779		55		666	9,884
1850					7,742		25		1,372	9,951
1860	8,080	6,200	693		19,525	1,609	206	241	3,886	15,907
1870	11,630	9,909	111	217	68,341	3,419	543	186	3,277	21,100
1871–1880	50,299	30,635	5,521	1,452	108,067	4,732	1,485	237	4,852	24,028
1881–1890	64,539	36,330	8,271	1,283	131,966	6,847	3,309	709	6,187	21,246
1891–1900	91,521	52,251	15,317	3,323	147,694	10,433	6,235	1,865	8,735	24,083
1901–1910	102,256	79,130	27,627	1,150	124,399	21,471	15,655	6,218	16,668	31,539
1911–1915	81,315	83,806	44,656	3,613	172,788	25,570	31,865	13,362	21,852	46,064
1915–1920 [4]	401,251	166,868	110,215	52,009	512,963	21,978	61,501	46,430	20,417	139,509
1921–1925	139,833	144,085	44,287	39,475	321,864	24,695	82,869	39,003	22,379	164,596
1926–1930	77,988	116,071	47,481	14,767	230,647	24,392	122,234	67,366	30,353	144,549
1931–1935	28,724	36,987	17,120	139	39,237	7,613	84,798	22,961	14,722	103,742
1936–1940	26,409	18,183	14,418	1,392	55,708	8,188	76,111	33,293	16,117	109,798
1941–1945	379,553	109,169	20,497	1,580	104,941	908	87,718	118,585	13,778	137,720
1941	99,223	41,201	18,007	14	35,383	992	52,399	54,550	15,214	65,299
1942	357,554	94,887	20,477	35	27,635	1,147	51,213	64,464	12,838	67,806
1943	616,606	144,061	24,246	136	55,837	791	80,346	133,938	13,658	170,251
1944	534,842	162,866	20,206	77	75,997	872	126,190	185,111	14,215	146,440
1945	289,540	102,832	19,547	7,639	329,852	739	128,442	154,862	12,904	238,802
1946	341,413	95,327	24,228	6,840	609,696	177	171,459	181,367	27,288	351,224
1947	129,300	111,445	33,373	5,454	868,078	14,992	199,096	214,516	47,763	270,68[illegible]
1948	56,753	88,978	20,462	2,934	1,392,063	7,044	194,404	132,402	30,494	214,52[illegible]
1949	51,521	134,396	28,286	15,841	1,000,786	24,503	139,711	114,429	32,044	251,94[illegible] [8]

Year or yearly average	Cotton, unmanufactured	Cotton manufactures [5]	Sawmill products	Other wood manufactures	Coal and coke	Petroleum and products	Iron and steel-mill products	Copper and manufactures	Machinery, all classes	Automobiles including engines and parts
1821	20,157		1,513					27		
1830	29,675	1,318	1,650	426				37		
1840	63,870	3,550	2,072	921				87		
1850	71,985	4,734	2,545	2,279	167			105		
1860	191,807	10,935	3,714	6,318	741			1,664		
1870	227,028	3,787	4,921	7,625	1,306	32,669	539	1,042	5,783	
1871–1880	194,577	6,622	7,341	8,470	2,506	40,361	1,150	1,657	8,365	
1881–1890	221,689	12,558	12,549	9,134	4,912	49,452	1,622	5,630	13,607	
1891–1900	225,819	16,924	18,856	11,509	12,095	59,055	11,840	25,569	36,093	
1901–1910	386,513	33,237	43,397	18,448	32,491	93,032	43,528	73,638	95,971	[6] 6,292
1911–1915	537,044	52,525	62,458	23,608	58,648	137,466	96,313	123,655	158,897	35,805
1915–1920 [4]	768,361	214,697	63,213	33,973	151,590	349,316	491,191	208,909	354,216	157,775
1921–1925	804,985	133,052	88,233	27,690	131,112	406,267	166,776	129,761	320,048	177,164
1926–1930	765,674	124,079	104,580	32,848	121,800	525,265	170,666	149,999	488,042	406,164
1931–1935	366,539	45,423	38,573	12,622	51,678	232,081	62,931	39,920	212,499	146,503
1936–1940	282,940	60,909	43,162	16,211	66,745	345,619	269,571	87,680	494,612	273,114
1941–1945	151,727	185,337	29,752	36,039	164,497	572,845	543,083	79,333	1,072,968	456,273
1941	82,562	134,946	30,095	21,232	119,381	284,653	501,100	47,690	739,928	338,681
1942	98,599	131,282	26,030	23,509	151,673	350,122	591,501	82,348	762,551	432,851
1943	184,244	192,128	26,355	38,139	171,731	516,760	614,606	108,719	1,193,867	278,620
1944	114,550	232,407	31,280	42,678	181,540	959,606	550,763	102,697	1,477,532	643,344
1945	278,678	235,924	34,402	54,637	198,258	753,084	457,446	55,212	1,190,961	587,868
1946	538,155	375,242	50,304	36,323	315,735	435,759	447,120	38,587	1,369,145	548,545
1947	423,241	852,492	120,589	68,266	632,448	641,395	824,465	102,489	2,351,731	1,149,433
1948	511,005	498,720	64,027	35,518	492,275	657,047	649,456	113,563	2,259,053	930,367
1949	874,216	366,079	[7] 59,879	[7] 31,065	307,940	561,407	732,136	96,999	[8] 2,313,074	[9] 750,493

[1] Includes oleomargarine of vegetable origin. Excludes inedible fish oils. Excludes "lard compounds" beginning 1921; now classified as "vegetable cooking fats." [2] Includes fruit and nut preparations.
[3] Natural and synthetic rubber. [4] Average for period July 1, 1915, to Dec. 31, 1920.
[5] Includes semimanufactures. [6] Average for 1906–10.
[7] Box, crate and package shooks (except fruit and vegetable) included with "Other wood manufactures" for 1949; classified as "Sawmill products" in prior years.
[8] Exclusive of track-laying tractors of 95 and over drawbar horsepower after July.
[9] Exclusive of motor vehicles manufactured to military specifications after July.

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

No. 1014.—Imports—Value of Selected Commodities: 1821 to 1949

[In thousands of dollars. For basis of dollar values, see general note, p. 827. Figures represent "general imports" through 1932, "imports for consumption" thereafter. Figures cover fiscal years ending Sept. 30 through 1840, and June 30, 1850 through 1915; calendar years thereafter. In some cases blanks represent entire absence of trade; in other cases the item is not available separately]

Year or yearly average	Hides and skins	Furs, and manufactures [1]	Fruits and nuts	Vegetable oils and fats, expressed or extracted	Coffee	Sugar [2]	Rubber, crude	Tobacco, unmanufactured	Cotton manufactures [3]	Burlaps
1821	893	224	181	-------	4,490	3,554	-------	-------	7,391	-------
1830	2,410	306	520	18	4,227	4,631	-------	-------	7,865	-------
1840	2,756	423	1,405	263	8,546	5,581	-------	-------	6,504	-------
1850	4,799	1,014	1,191	922	11,235	7,556	-------	272	20,781	-------
1860	10,525	1,838	4,804	1,619	21,884	31,079	1,427	1,366	33,216	-------
1870	14,402	2,236	7,417	2,153	24,235	56,924	3,460	2,534	23,380	-------
1871-1880	17,443	4,192	11,237	1,164	48,874	75,216	5,695	4,363	26,691	-------
1881-1890	24,776	7,224	18,732	1,798	55,381	85,760	13,262	8,682	30,299	2,276
1891-1900	32,143	9,466	19,492	3,371	83,025	97,371	21,135	12,083	31,588	6,925
1901-1910	69,363	18,236	28,363	10,676	71,473	84,863	47,755	20,824	57,845	18,549
1911-1915	102,967	19,341	43,033	26,554	108,970	118,240	82,736	31,576	63,049	30,749
1915-1920 [4]	201,517	47,620	61,755	84,462	165,265	393,906	192,149	51,012	65,816	62,591
1921-1925	93,067	80,552	75,499	59,652	205,702	295,389	192,922	64,831	86,568	60,406
1926-1930	118,003	114,785	84,868	81,940	281,707	207,318	294,428	57,018	63,627	72,250
1931-1935	39,795	43,125	48,407	45,012	141,173	113,110	74,573	27,118	34,472	26,141
1936-1940	50,591	69,781	59,902	72,768	137,736	138,521	206,312	34,294	42,139	35,667
1941-1945	67,789	107,798	63,291	43,840	265,638	171,975	148,694	50,496	18,942	50,074
1941	83,441	108,984	62,157	54,961	177,385	153,364	417,856	37,891	23,391	51,507
1942	77,848	69,231	35,190	32,840	205,362	108,487	118,009	36,995	10,392	30,960
1943	66,288	90,735	41,238	37,782	273,422	184,147	32,676	41,861	11,513	48,695
1944	61,415	125,890	68,054	44,904	326,067	212,322	76,001	60,288	11,545	53,893
1945	49,954	144,148	109,815	48,714	345,052	201,554	98,930	75,443	37,869	65,313
1946	77,471	238,378	143,281	73,531	472,380	196,983	232,800	85,904	44,503	76,183
1947	85,839	125,889	136,053	117,379	601,318	410,516	316,740	90,694	31,029	109,019
1948	107,765	164,548	161,324	103,636	697,679	313,059	309,137	77,590	52,800	131,313
1949	72,587	108,960	146,839	71,500	795,502	372,147	15,783	73,209	49,856	103,137

Year or yearly average	Wool and mohair	Wool manufactures (including rags, noils, waste)	Silk, raw	Sawmill products	Wood pulp	Paper and manufactures	Petroleum and products	Copper, including ore and manufactures	Tin, including ore	Fertilizers and materials [5]
1821	-------	7,239	-------	-------	-------	58	-------	233	149	-------
1830	97	5,901	119	-------	-------	170	-------	807	108	-------
1840	846	10,808	234	-------	-------	70	-------	1,653	229	-------
1850	1,690	19,621	386	-------	-------	432	-------	2,418	674	92
1860	4,843	43,142	1,236	-------	-------	497	-------	1,630	1,158	526
1870	6,743	34,491	3,018	-------	-------	1,100	-------	656	2,043	2,192
1871-1880	12,828	38,123	6,390	5,618	-------	1,591	-------	1,084	3,032	2,317
1881-1890	13,531	43,292	15,963	8,074	-------	2,082	-------	498	6,028	4,700
1891-1900	22,171	32,014	26,160	7,887	1,478	3,016	-------	3,381	9,146	6,642
1901-1910	32,410	19,357	55,509	14,699	5,378	5,124	-------	30,319	25,897	20,969
1911-1915	42,664	22,777	80,079	18,276	16,254	12,952	8,868	46,129	41,493	39,631
1915-1920 [4]	170,173	26,852	213,960	36,521	42,814	47,214	31,174	103,805	73,739	67,142
1921-1925	102,369	64,592	348,123	50,653	67,002	105,239	91,857	77,811	59,225	57,140
1926-1930	78,790	69,295	368,232	44,503	86,044	151,219	132,794	108,243	89,058	67,997
1931-1935	18,731	17,114	115,054	10,540	59,544	95,523	50,990	29,662	43,837	28,659
1936-1940	61,291	26,005	108,723	19,328	77,994	123,911	47,654	47,608	85,363	35,250
1941-1945	247,905	22,563	12,598	50,278	84,136	144,645	93,981	164,807	77,610	31,687
1941	204,892	27,724	61,802	46,877	66,031	146,744	82,455	141,789	177,241	22,767
1942	311,338	26,813	72	55,916	72,612	138,821	36,918	165,309	61,765	25,917
1943	295,763	16,379	(6)	39,824	77,095	138,514	85,223	156,514	38,044	32,920
1944	186,234	17,362	-------	51,485	89,178	141,604	113,352	165,749	56,993	35,506
1945	241,300	24,535	1,116	57,289	115,764	157,542	151,959	194,672	54,009	41,327
1946	289,409	41,112	101,246	78,374	135,782	253,661	159,373	86,384	69,179	35,330
1947	208,942	39,508	15,709	101,587	256,439	363,169	250,400	175,829	85,932	43,449
1948	307,673	79,087	15,406	152,078	272,409	437,779	415,669	203,042	176,153	56,180
1949	222,223	74,964	7,272	113,164	182,428	452,650	477,706	224,299	212,289	62,685

[1] Includes fur hats beginning 1921; formerly classified as miscellaneous textile products.
[2] Includes sirups and maple sugar prior to Oct. 4, 1913. [3] Includes semimanufactures.
[4] Average for period July 1, 1915, to Dec. 31, 1920.
[5] Saltpeter transferred to fertilizers from chemicals beginning 1921.
[6] Less than 500 dollars.

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

No. 1015.—Foreign Trade With Each Continent, by Economic Classes: 1936 to 1946

[In millions of dollars. "Manufactured foodstuffs" includes beverages]

Economic class and continent	1936–1940, average	1941–1945, average	1942	1943	1944	1945	1946 Total	1946 Agricultural	1946 Non-agricultural
Exports, U. S. merchandise	3,166.5	9,922.2	8,003.1	12,841.5	14,161.5	9,584.7	9,500.2	3,139.9	6,360.3
North America	788.8	1,834.6	1,803.5	1,967.0	2,041.3	1,880.0	2,494.6	385.9	2,108.7
Crude materials	133.3	259.4	252.3	283.2	294.8	284.5	332.3	65.2	267.1
Crude foodstuffs	42.3	79.0	50.0	78.6	103.9	118.8	136.1	135.1	1.0
Manufactured foodstuffs	46.1	105.6	90.5	92.2	129.3	134.2	181.6	173.5	8.2
Semimanufactures	120.5	244.1	266.7	246.1	239.1	248.1	263.6	5.7	258.0
Finished manufactures	446.5	1,146.5	1,144.0	1,267.0	1,274.1	1,094.3	1,580.9	6.4	1,574.5
South America	314.9	495.1	371.3	408.6	535.3	640.7	1,140.0	96.3	1,043.7
Crude materials	8.7	11.7	10.1	8.8	9.0	15.9	23.6	8.9	14.7
Crude foodstuffs	2.5	1.7	.9	.3	.9	3.9	15.4	15.4	(2)
Manufactured foodstuffs	10.8	21.8	14.7	12.7	26.5	36.5	69.7	67.7	2.1
Semimanufactures	50.6	92.0	74.4	76.3	99.5	95.5	136.9	.5	136.4
Finished manufactures	242.4	367.9	271.2	310.6	399.4	488.9	894.3	3.8	890.5
Europe [1]	1,309.4	5,596.5	3,971.2	7,566.3	9,321.6	5,350.2	3,946.6	2,049.8	1,896.8
Crude materials	340.5	264.9	140.4	340.4	214.0	517.0	786.2	654.8	131.3
Crude foodstuffs	70.3	69.1	15.4	27.9	26.1	243.3	377.0	376.9	.1
Manufactured foodstuffs	94.8	921.8	757.2	1,327.9	1,329.2	932.5	1,032.1	1,001.6	30.5
Semimanufactures	208.2	472.6	449.0	643.1	649.1	335.0	350.5	7.9	342.6
Finished manufactures	535.7	3,868.0	2,609.3	5,226.8	7,103.2	3,322.4	1,400.9	8.6	1,392.3
Asia [1]	533.0	796.4	687.1	836.8	994.1	842.5	1,314.8	510.1	804.8
Crude materials	108.7	15.5	4.6	5.0	8.4	18.2	241.8	236.7	5.1
Crude foodstuffs	3.4	2.4	.1	(2)	.1	7.8	89.4	89.4	(2)
Manufactured foodstuffs	17.0	56.7	28.9	26.1	90.8	100.1	196.1	181.4	14.6
Semimanufactures	142.8	48.7	39.8	39.7	36.2	40.8	91.4	.3	91.0
Finished manufactures	261.0	673.1	613.6	766.0	858.6	675.6	696.2	2.3	694.0
Oceania	88.8	362.8	361.2	568.0	409.6	352.4	116.3	18.4	97.9
Crude materials	8.9	13.3	5.4	18.9	18.0	18.4	16.4	14.7	1.7
Crude foodstuffs	.3	.9	.1	.2	.4	3.2	.1	.1	(2)
Manufactured foodstuffs	2.3	4.2	2.3	3.2	7.6	5.9	2.7	2.5	.1
Semimanufactures	11.8	34.3	42.5	45.6	33.1	26.8	20.9	.2	20.8
Finished manufactures	65.5	310.1	310.9	500.1	350.5	298.1	76.3	.9	75.4
Africa	131.6	836.7	808.8	1,494.9	859.7	519.0	487.8	79.5	408.4
Crude materials	3.0	8.4	5.2	5.5	9.8	16.6	15.6	10.0	5.6
Crude foodstuffs	.5	12.3	1.3	2.1	2.4	55.1	30.1	30.1	(2)
Manufactured foodstuffs	4.0	44.3	31.0	88.7	49.3	36.5	40.2	38.3	1.9
Semimanufactures	17.1	39.7	47.9	38.6	39.6	33.3	31.8	.3	31.5
Finished manufactures	107.0	732.1	723.3	1,360.1	758.6	377.4	370.1	.7	369.4
Imports for consumption [3]	2,440.1	3,475.6	2,780.3	3,390.1	3,887.5	4,098.1	4,824.9	2,297.5	2,527.4
North America	599.9	1,529.4	1,114.9	1,676.5	2,024.3	1,892.3	1,627.2	569.0	1,058.2
Crude materials	81.3	198.6	165.9	211.2	249.1	221.4	220.4	87.1	133.3
Crude foodstuffs	110.7	260.4	134.8	290.6	460.7	282.3	248.0	211.3	36.7
Manufactured foodstuffs	133.9	283.1	185.0	315.6	400.6	335.0	331.7	263.1	68.6
Semimanufactures	131.9	380.2	341.1	382.0	392.8	509.8	428.3	3.7	424.6
Finished manufactures	142.2	407.1	288.1	477.1	521.1	544.3	398.8	3.8	395.0
South America	329.0	790.0	643.5	782.7	920.3	948.7	1,105.0	745.4	359.6
Crude materials	119.2	310.5	253.8	294.2	332.3	359.6	415.4	217.5	197.9
Crude foodstuffs	144.5	237.4	174.0	240.7	300.0	305.7	441.1	441.0	.1
Manufactured foodstuffs	14.9	40.3	33.4	41.9	48.6	50.4	53.0	47.5	5.5
Semimanufactures	47.6	180.8	175.7	187.8	206.0	192.3	154.0	35.1	118.9
Finished manufactures	2.8	21.1	6.6	18.1	33.4	40.6	41.5	4.3	37.2
Europe [1]	619.4	287.3	235.8	246.4	278.1	402.4	754.0	136.6	617.4
Crude materials	109.2	56.2	45.3	45.2	55.3	69.9	177.4	60.8	116.6
Crude foodstuffs	11.2	7.9	2.1	4.3	14.5	15.5	15.4	15.1	.2
Manufactured foodstuffs	107.0	55.6	44.5	54.5	66.9	62.9	99.8	50.4	49.4
Semimanufactures	179.6	51.4	30.2	32.0	32.8	104.0	193.3	4.0	189.2
Finished manufactures	212.3	116.2	113.7	110.3	108.6	150.0	268.3	6.2	262.0
Asia [1]	777.9	469.4	337.7	226.2	310.7	388.2	861.7	559.6	302.0
Crude materials	422.1	267.0	211.8	104.9	165.2	198.8	540.9	444.8	96.1
Crude foodstuffs	32.1	40.9	28.2	31.9	41.7	53.6	67.6	67.3	.3
Manufactured foodstuffs	85.2	16.6	7.2	2.8	1.7	8.1	13.6	13.3	.4
Semimanufactures	141.0	72.5	45.0	30.7	37.4	43.1	116.9	29.0	87.9
Finished manufactures	97.4	72.4	45.6	56.0	64.8	84.5	122.8	5.3	117.5
Oceania	35.4	182.2	255.8	243.0	134.2	163.7	175.3	139.0	36.3
Crude materials	31.1	169.3	241.5	230.3	121.1	148.9	160.0	132.2	27.8
Crude foodstuffs	.2	1.1	.7	.5	2.0	1.3	1.0	1.0	———
Manufactured foodstuffs	2.7	3.7	3.9	5.5	2.1	4.7	5.3	5.1	.2
Semimanufactures	.8	6.0	9.0	4.5	4.6	6.7	6.0	.1	5.9
Finished manufactures	.6	2.1	.7	2.2	4.4	2.1	3.0	.6	2.4
Africa	78.3	217.2	192.6	215.3	219.8	302.4	301.7	147.9	153.7
Crude materials	44.3	145.5	142.5	151.5	155.2	184.5	215.0	100.9	114.1
Crude foodstuffs	20.8	21.1	8.7	16.2	22.5	34.7	41.4	40.2	1.1
Manufactured foodstuffs	1.8	.7	.5	.9	1.1	.6	.6	.4	.2
Semimanufactures	10.0	44.3	38.5	40.5	32.6	72.3	32.1	3.7	28.4
Finished manufactures	1.4	5.6	2.4	6.1	8.4	10.3	12.6	2.7	9.9

[1] Turkey in Europe included with Asia; U. S. S. R. in Asia included with Europe.
[2] Less than $50,000.
[3] "General imports" through 1933.

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

No. 1016.—Foreign Trade—Percent Distribution of United States Merchandise by Economic Class and by Continent: 1941 to 1946

[Percentages based on data shown in table 1015, except calculations were made from unrounded figures]

Economic class and continent	Exports						Imports for consumption					
	1941–1945, avg.	1942	1943	1944	1945	1946	1941–1945, avg.	1942	1943	1944	1945	1946
Class												
Crude materials	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
North America	45.3	60.4	42.8	53.2	32.7	23.5	17.3	15.6	20.4	23.1	18.7	12.7
South America	2.1	2.4	1.3	1.6	1.8	1.7	27.1	23.9	28.4	30.8	30.4	24.0
Europe	46.2	33.6	51.4	38.6	59.4	55.5	4.9	4.3	4.4	5.1	5.9	10.3
Asia	2.7	1.1	.8	1.5	2.1	17.1	23.3	20.0	10.1	15.3	16.8	31.3
Oceania	2.3	1.3	2.9	3.2	2.1	1.2	14.8	22.8	22.2	11.2	12.6	9.3
Africa	1.5	1.2	.8	1.8	1.9	1.1	12.7	13.4	14.6	14.4	15.6	12.4
Crude foodstuffs	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
North America	47.8	73.7	72.0	77.7	27.5	21.0	45.8	38.7	49.7	54.8	40.7	30.5
South America	1.0	1.3	.3	.7	.9	2.4	41.7	49.9	41.2	35.7	44.1	54.2
Europe	41.8	22.7	25.6	19.5	56.3	58.2	1.4	.6	.7	1.7	2.2	1.9
Asia	1.5	.2	------	.1	1.8	13.8	7.2	8.1	5.5	5.0	7.7	8.3
Oceania	.5	.1	.2	.3	.7	------	.2	.2	.1	.2	.2	.1
Africa	7.4	2.0	2.1	1.6	12.8	4.6	3.7	2.5	2.8	2.7	5.1	5.1
Manufactured foodstuffs	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
North America	9.2	9.8	5.9	7.9	10.8	11.9	70.8	67.4	74.9	76.9	72.6	65.8
South America	1.9	1.6	.8	1.6	2.9	4.6	10.1	12.2	9.9	9.3	10.9	10.5
Europe	79.9	81.9	85.7	81.4	74.9	67.8	13.9	16.2	13.0	12.8	13.6	19.8
Asia	4.9	3.1	1.7	5.6	8.0	12.9	4.1	2.6	.7	.3	1.8	2.7
Oceania	.4	.3	.2	.5	.5	.2	.9	1.4	1.3	.4	1.0	1.1
Africa	3.8	3.4	5.7	3.0	2.9	2.6	.2	.2	.2	.2	.1	.1
Semimanufactures	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
North America	26.2	29.0	22.6	21.9	31.8	29.5	51.7	53.3	56.4	55.6	54.9	46.0
South America	9.9	8.1	7.0	9.1	12.3	15.3	24.6	27.5	27.7	29.2	20.7	16.5
Europe	50.7	48.9	59.0	59.1	43.0	39.2	7.0	4.7	4.7	4.7	11.2	20.8
Asia	5.2	4.3	3.7	3.3	5.2	10.2	9.9	7.0	4.5	5.3	4.6	12.6
Oceania	3.7	4.6	4.2	3.0	3.4	2.3	.8	1.4	.7	.6	.7	.6
Africa	4.3	5.1	3.5	3.6	4.3	3.6	6.0	6.0	6.0	4.6	7.8	3.5
Finished manufactures	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
North America	16.2	20.2	13.4	11.9	17.5	31.5	65.2	63.0	71.2	70.3	65.4	47.1
South America	5.2	4.8	3.3	3.7	7.8	17.8	3.4	1.4	2.7	4.5	4.9	4.9
Europe	54.5	46.0	55.5	66.1	53.1	27.9	18.6	24.9	16.5	14.7	18.0	31.7
Asia	9.5	10.8	8.1	8.0	10.8	13.9	11.6	10.0	8.4	8.8	10.2	14.5
Oceania	4.4	5.5	5.3	3.3	4.8	1.5	.3	.2	.3	.6	.3	.4
Africa	10.3	12.8	14.4	7.1	6.0	7.4	.9	.5	.9	1.1	1.2	1.5
Continent												
North America	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Crude materials	14.1	14.0	14.4	14.4	15.1	13.3	13.0	14.9	12.6	12.3	11.7	13.5
Crude foodstuffs	4.3	2.8	4.0	5.1	6.3	5.5	17.0	12.1	17.3	22.8	14.9	15.2
Manufactured foodstuffs	5.8	5.0	4.7	6.3	7.1	7.3	18.5	16.6	18.8	19.8	17.7	20.4
Semimanufactures	13.3	14.8	12.5	11.7	13.2	10.6	24.9	30.6	22.8	19.4	26.9	26.3
Finished manufactures	62.5	63.5	64.4	62.4	58.2	63.4	26.6	25.8	28.5	25.7	28.8	24.5
South America	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Crude materials	2.4	2.7	2.1	1.7	2.5	2.1	39.3	39.4	37.6	36.1	37.9	37.6
Crude foodstuffs	.3	.2	.1	.2	.6	1.4	30.0	27.0	30.8	32.6	32.2	40.0
Manufactured foodstuffs	4.4	4.0	3.1	4.9	5.7	6.1	5.1	5.2	5.3	5.3	5.3	4.8
Semimanufactures	18.6	20.0	18.7	18.6	14.9	12.0	22.9	27.3	24.0	22.4	20.3	13.9
Finished manufactures	74.3	73.1	76.0	74.6	76.3	78.4	2.7	1.0	2.3	3.6	4.3	3.8
Europe	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Crude materials	4.7	3.5	4.5	2.3	9.7	19.9	19.6	19.2	18.4	19.9	17.4	23.5
Crude foodstuffs	1.2	.4	.4	.3	4.5	9.6	2.7	.9	1.7	5.2	3.9	2.0
Manufactured foodstuffs	16.5	19.1	17.5	14.3	17.4	26.2	19.4	18.9	22.1	24.0	15.6	13.2
Semimanufactures	8.4	11.3	8.5	7.0	6.3	8.9	17.9	12.8	13.0	11.8	25.9	25.6
Finished manufactures	69.1	65.7	69.1	76.2	62.1	35.5	40.5	48.2	44.8	39.1	37.3	35.6
Asia	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Crude materials	1.9	.7	.6	.8	2.2	18.4	56.9	62.7	46.4	53.2	51.2	62.8
Crude foodstuffs	.3	.0	------	.0	.9	6.8	8.7	8.4	14.1	13.4	13.8	7.8
Manufactured foodstuffs	7.1	4.2	3.1	9.1	11.9	14.9	3.5	2.1	1.2	.5	2.1	1.6
Semimanufactures	6.1	5.8	4.8	3.6	4.8	6.9	15.4	13.3	13.6	12.0	11.1	13.6
Finished manufactures	84.5	89.3	91.5	86.4	80.2	53.0	15.4	13.5	24.8	20.9	21.8	14.2
Oceania	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Crude materials	3.7	1.5	3.3	4.4	5.2	14.1	92.9	94.4	94.8	90.2	91.0	91.3
Crude foodstuffs	.2	.0	------	.1	.9	.1	.6	.3	.2	1.5	.8	.5
Manufactured foodstuffs	1.2	.6	.6	1.8	1.7	2.3	2.0	1.5	2.3	1.5	2.9	3.0
Semimanufactures	9.5	11.8	8.0	8.1	7.6	18.0	3.3	3.5	1.8	3.4	4.1	3.4
Finished manufactures	85.5	86.1	88.1	85.6	84.6	65.6	1.1	.3	.9	3.3	1.3	1.7
Africa	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Crude materials	1.0	.6	.4	1.1	3.2	3.2	67.0	74.0	70.4	70.6	61.0	71.3
Crude foodstuffs	1.5	.2	.1	.3	10.6	6.2	9.7	4.5	7.5	10.2	11.5	13.7
Manufactured foodstuffs	5.3	3.8	5.9	5.8	7.0	8.2	.3	.3	.4	.5	.2	.2
Semimanufactures	4.7	5.8	2.6	4.6	6.4	6.5	20.4	20.0	18.8	14.8	23.9	10.6
Finished manufactures	87.5	89.5	91.0	88.2	72.7	75.9	2.6	1.2	2.8	3.8	3.4	4.2

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

No. 1017.—Exports (Including Reexports) and General Imports of Merchandise, by Continents: 1821 to 1949

[**In thousands of dollars.** For basis of dollar values, see general note, p. 827. Figures cover fiscal years to and including 1915; calendar years thereafter, except as noted. Philippine Islands included with Asia for all years; Turkey in Europe is with Asia beginning 1926; U. S. S. R. in Asia is with Europe beginning 1924; and Hawaiian Islands with Oceania prior to 1901. See also *Historical Statistics*, series M 87–102]

Yearly average or year	Exports							
	Total	North America		South America	Europe	Asia	Oceania	Africa
		Northern	Southern					
1821	54,496	2,392	11,965	2,208	35,575	1,977	71	309
1830	71,671	2,802	14,723	4,586	47,393	1,906	27	234
1840	123,669	6,090	17,241	5,714	92,039	1,560	330	696
1850	144,376	9,519	14,284	7,730	108,638	3,028	190	987
1860	333,576	22,883	29,273	15,706	249,425	8,100	4,962	3,227
1870	392,772	21,703	31,100	15,188	313,315	5,773	3,873	1,820
1871–1880	589,301	32,874	36,246	21,161	482,235	8,133	5,703	2,950
1881–1890	765,136	40,697	43,945	30,129	613,753	18,958	13,928	3,728
1891–1900	1,024,870	64,636	63,050	34,473	798,320	32,908	20,152	11,272
1901–1910	1,616,250	152,698	126,238	64,194	1,131,759	87,091	31,048	23,222
1911–1915	2,370,539	337,091	182,315	122,243	1,517,404	133,348	51,506	26,632
1915–1920 [1]	6,521,190	780,221	503,430	360,744	4,123,523	562,476	109,121	81,668
1921–1925	4,397,027	627,382	444,577	297,115	2,318,244	498,553	141,426	69,729
1926–1930	4,777,314	829,858	403,175	447,860	2,236,501	573,085	177,239	109,596
1931–1935	2,025,195	300,372	162,435	141,074	960,158	349,911	48,868	62,377
1936–1940	3,219,581	521,793	291,178	317,400	1,332,708	535,283	89,150	132,068
1941–1945	10,051,075	1,297,384	574,985	500,039	5,673,543	799,063	363,562	842,499
1940	4,021,146	724,612	341,220	435,584	1,645,428	619,210	94,483	160,609
1941	5,147,154	1,012,331	507,680	527,375	1,846,928	625,198	123,376	504,266
1942	8,078,988	1,356,337	473,028	375,836	4,608,988	687,541	361,454	815,804
1943	12,964,906	1,462,519	543,998	411,480	7,633,089	837,541	568,927	1,507,353
1944	14,258,702	1,460,921	625,938	540,277	9,363,397	995,782	410,484	861,404
1945	9,805,625	1,194,814	724,279	645,226	5,514,814	849,252	353,569	523,671
1946	9,738,321	1,462,917	1,072,097	1,148,590	4,122,358	1,326,870	116,671	488,819
1947	14,429,747	2,114,505	1,714,979	2,353,642	5,187,322	1,917,504	320,324	821,471
1948	12,653,058	1,944,706	1,450,572	1,911,582	4,279,188	2,129,566	152,772	784,672
1949	12,000,202	1,958,248	1,340,065	1,558,955	4,114,532	2,218,215	194,519	615,670

Yearly average or year	General imports							
	Total	North America		South America	Europe	Asia	Oceania	Africa
		Northern	Southern					
1821	54,521	402	11,816	1,570	35,000	5,324	34	375
1830	62,721	398	10,793	4,919	40,117	6,241	18	234
1840	98,259	1,228	15,421	8,606	61,721	10,686	152	445
1850	173,509	5,180	16,116	16,038	123,115	12,434	9	618
1860	353,616	23,730	44,180	34,929	216,661	29,239	1,170	3,706
1870	435,958	36,265	74,435	42,964	240,187	37,773	1,612	2,722
1871–1880	535,222	30,720	91,385	65,771	284,294	55,715	4,287	3,051
1881–1890	692,187	41,113	97,564	79,184	384,644	72,173	13,764	3,746
1891–1900	763,328	36,801	102,025	107,255	393,733	96,584	19,519	7,412
1901–1910	1,158,500	66,137	154,913	139,437	594,067	177,289	12,818	13,840
1911–1915	1,712,319	131,455	248,943	219,923	798,115	270,797	19,020	24,065
1915–1920 [1]	3,358,354	425,337	588,103	591,295	682,298	910,340	70,134	90,848
1921–1925	3,450,103	396,668	514,233	421,336	1,049,565	942,808	53,994	71,499
1926–1930	4,033,469	479,737	460,457	545,788	1,207,213	1,195,930	53,137	91,207
1931–1935	1,713,102	236,164	177,257	244,160	516,313	490,909	16,209	32,088
1936–1940	2,482,030	368,521	246,139	337,703	627,085	784,989	36,372	81,220
1941–1945	3,514,080	953,196	588,916	801,021	287,826	478,314	187,281	217,524
1940	2,625,379	437,101	256,307	395,105	390,161	980,869	34,673	131,162
1941	3,345,005	570,956	411,200	674,286	280,773	1,087,844	158,957	160,899
1942	2,755,393	733,187	380,688	647,836	220,108	330,658	230,834	203,581
1943	3,381,498	1,040,552	641,827	775,611	239,507	234,814	245,376	203,812
1944	3,928,866	1,275,898	757,844	931,271	289,295	321,940	130,305	222,312
1945	4,159,138	1,145,388	752,934	976,101	409,450	407,315	170,935	297,015
1946	4,942,054	910,529	733,222	1,118,138	804,326	886,946	182,574	306,317
1947	5,756,333	1,128,124	1,015,661	1,254,222	820,036	1,055,195	155,761	327,335
1948	7,123,877	1,693,546	946,114	1,559,044	1,121,123	1,346,673	163,673	393,703
1949	6,626,221	1,552,228	942,124	1,502,249	925,358	1,241,183	125,333	337,747

[1] Period July 1, 1915, to Dec. 31, 1920.

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

No. 1018.—Exports and General Imports, by Continents—Percent Distribution: 1821 to 1949

[Percentages based on figures shown in table 1017, except that calculations were made from unrounded figures. See headnote to that table]

Yearly average or year	Percent of total exports							Percent of total imports						
	North America		South America	Europe	Asia	Oceania	Africa	North America		South America	Europe	Asia	Oceania	Africa
	Northern	Southern						Northern	Southern					
1821	4.4	22.0	4.1	65.3	3.6	0.1	0.6	0.7	21.7	2.9	64.2	9.8	0.1	0.7
1830	3.9	20.5	6.4	66.1	2.7	(1)	.3	.6	17.2	7.8	64.0	10.0	(1)	.4
1840	4.9	13.9	4.6	74.4	1.3	.3	.6	1.2	15.7	8.8	62.8	10.9	.2	.5
1850	6.6	9.9	5.4	75.2	2.1	.1	.7	3.0	9.3	9.2	71.0	7.2	(1)	.4
1860	6.9	8.8	4.7	74.8	2.4	1.5	1.0	6.7	12.5	9.9	61.3	8.3	.3	1.0
1870	5.5	7.9	3.9	79.8	1.5	1.0	.5	8.3	17.1	9.9	55.1	8.7	.4	.6
1871-1880	5.6	6.2	3.6	81.8	1.4	1.0	.5	5.7	17.1	12.3	53.1	10.4	.8	.6
1881-1890	5.3	5.7	3.9	80.2	2.5	1.8	.5	5.9	14.1	11.4	55.6	10.4	2.0	.5
1891-1900	6.3	6.2	3.4	77.9	3.2	2.0	1.1	4.8	13.4	14.1	51.6	12.7	2.6	1.0
1901-1910	9.4	7.8	4.0	70.0	5.4	1.9	1.4	5.7	13.4	12.0	51.3	15.3	1.1	1.2
1911-1915	14.2	7.7	5.2	64.0	5.6	2.2	1.1	7.7	14.5	12.8	46.6	15.8	1.1	1.4
1915-1920 [2]	12.0	7.7	5.5	63.2	8.6	1.7	1.3	12.7	17.5	17.6	20.3	27.1	2.1	2.7
1921-1925	14.3	10.1	6.8	52.7	11.3	3.2	1.6	11.5	14.9	12.2	30.4	27.3	1.6	2.1
1926-1930	17.4	8.4	9.4	46.8	12.0	3.7	2.3	11.9	11.4	13.5	29.9	29.7	1.3	2.3
1931-1935	14.8	8.0	7.0	47.4	17.3	2.4	3.1	13.8	10.3	14.3	30.1	28.7	.9	1.9
1936-1940	16.2	9.0	9.9	41.4	16.6	2.7	4.2	14.8	9.9	13.6	25.3	31.6	1.5	3.3
1941-1945	12.9	5.7	5.0	56.4	8.0	3.6	8.4	27.1	16.8	22.8	8.2	13.6	5.3	6.2
1940	18.0	8.5	10.8	40.9	15.4	2.3	4.0	16.6	9.8	15.0	14.9	37.4	1.3	5.0
1941	19.7	9.9	10.2	35.9	12.1	2.4	9.8	17.1	12.3	20.2	8.4	32.5	4.8	4.8
1942	16.8	5.9	4.7	49.6	8.5	4.5	10.1	26.6	13.8	23.5	8.0	12.3	8.4	7.4
1943	11.3	4.2	3.2	58.9	6.5	4.4	11.6	30.8	19.0	22.9	7.1	6.9	7.3	6.0
1944	10.2	4.4	3.8	65.7	7.0	2.9	6.0	32.5	19.3	23.7	7.4	8.2	3.3	5.7
1945	12.2	7.4	6.6	56.2	8.7	3.6	5.3	27.5	18.1	23.5	9.8	9.8	4.1	7.1
1946	15.0	11.0	11.8	42.3	13.6	1.2	5.0	18.4	14.8	22.6	16.3	17.9	3.7	6.2
1947	14.7	11.9	16.3	35.9	13.3	2.2	5.7	19.6	17.6	21.8	14.2	18.3	2.7	5.7
1948	15.4	11.5	15.1	33.8	16.8	1.2	6.2	22.4	13.3	21.9	15.7	18.9	2.3	5.5
1949	16.3	11.2	13.0	34.3	18.5	1.6	5.1	23.4	14.2	22.7	14.0	18.7	1.9	5.1

[1] Less than 1/10 of 1 percent.
[2] Period July 1, 1915, to Dec. 31, 1920.

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

No. 1019.—In-Transit and Transshipment Trade of the United States: 1938 to 1945

[Values in thousands of dollars (for basis of dollar values, see general note, p. 827)]

Year	North America							
	Total		Canada		Mexico		Cuba	
	Received from	Shipped to	Received from	Shipped to	Received from	Shipped to	Received from	Shipped to
1938	91,672	43,633	65,919	13,976	16,045	10,417	3,217	6,204
1939	117,112	58,304	90,972	22,001	15,451	14,453	4,697	6,303
1940	172,147	70,053	145,989	38,962	17,083	13,990	2,463	5,626
1941	230,648	81,976	202,220	50,461	12,391	16,793	1,913	4,332
1942	618,135	148,114	576,562	89,743	19,385	23,299	4,584	9,425
1943	1,045,262	203,017	977,799	124,831	22,240	23,864	6,524	13,452
1944	812,220	179,990	752,494	98,397	22,752	28,175	5,650	13,981
1945	678,931	149,909	602,103	66,727	44,020	39,252	5,829	15,839

Year	South America							
	Total		Argentina		Brazil		Chile	
	Received from	Shipped to	Received from	Shipped to	Received from	Shipped to	Received from	Shipped to
1938	9,974	22,259	2,395	1,974	1,045	3,617	1,563	4,932
1939	15,997	34,919	4,131	3,185	1,499	5,345	1,803	6,124
1940	51,021	38,685	6,625	6,399	6,816	7,316	28,357	7,213
1941	38,167	30,968	5,197	7,637	20,031	8,212	1,608	2,918
1942	31,473	30,252	8,643	7,422	11,543	5,728	2,601	3,474
1943	24,325	26,462	6,109	4,884	3,871	5,898	482	2,729
1944	50,671	32,262	6,761	4,837	5,901	10,176	356	2,441
1945	28,845	45,212	4,134	7,691	9,205	14,347	1,740	2,944

Year	South America—Continued				Europe			
	Colombia		Peru		Total		United Kingdom	
	Received from	Shipped to	Received from	Shipped to	Received from	Shipped to	Received from	Shipped to
1938	1,061	4,193	2,085	3,592	30,198	50,394	11,669	22,032
1939	1,107	8,874	4,279	3,532	39,898	64,610	13,182	23,515
1940	821	5,355	1,552	4,068	38,233	119,759	13,499	65,359
1941	1,450	3,714	1,208	2,540	21,648	81,586	8,039	59,512
1942	1,308	2,496	975	1,952	27,005	176,586	13,849	60,292
1943	3,528	3,742	488	1,478	29,101	386,326	17,701	277,582
1944	13,715	4,316	1,443	1,473	23,775	406,805	8,927	193,900
1945	4,015	7,853	2,534	2,294	40,403	276,527	7,639	126,817

Year	Europe—Continued							
	Belgium		France		Netherlands		Germany [1]	
	Received from	Shipped to	Received from	Shipped to	Received from	Shipped to	Received from	Shipped to
1938	1,387	4,376	2,678	4,057	3,050	5,536	4,847	7,157
1939	2,489	6,883	4,627	4,661	5,221	8,983	3,881	2,096
1940	2,302	3,856	4,600	28,750	1,199	3,540	113	20
1941	101	----------	67	----------	22	----------	5	581
1942	18	----------	8	----------	----------	11	5	847
1943	----------	220	13	20	1	----------	9	----------
1944	----------	----------	3	56	245	----------	94	----------
1945	68	5,994	1,680	6,428	32	6,188	6	575

Year	Asia				Oceania		Africa	
	Total		Japan					
	Received from	Shipped to	Received from	Shipped to	Received from	Shipped to	Received from	Shipped to
1938	8,636	10,638	3,058	5,035	1,391	10,868	561	4,641
1939	10,451	11,679	4,591	5,775	1,950	10,381	1,260	6,775
1940	16,057	23,745	4,670	12,163	3,607	7,788	2,786	23,822
1941	26,138	48,710	2,791	3,142	3,888	12,082	7,440	72,608
1942	23,921	118,224	107	3	13,869	46,966	8,543	202,803
1943	24,524	183,715	10	170	30,865	29,797	6,585	328,345
1944	19,418	140,900	30	----------	15,604	7,233	3,967	158,467
1945	10,114	229,658	1	311	7,928	9,787	6,448	61,575

[1] See note 6, p. 859.

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

No. 1020.—Exports (Including Reexports) and General Imports of Merchandise, by Country of Destination and Origin: 1936 to 1949

[In thousands of dollars. See also *Historical Statistics*, series M 87–102, for group totals, historically]

Area and country	1936–40, average		1941–45, average		1944		1945		1946		1947		1948		1949	
	Exports	Imports	Exports	Imports	Exports	Imports	Exports	Imports	Exports	Imports	Exports	Imports	Exports	Imports	Exports	Imports
Grand total	3,219,581	2,482,030	10,051,075	3,514,080	14,258,702	3,928,866	9,805,625	4,159,138	9,738,321	4,942,053	14,429,747	5,756,333	12,653,058	7,123,877	12,000,202	6,626,221
North America	812,972	614,660	1,872,369	1,542,113	2,086,859	2,033,742	1,919,093	1,898,322	2,535,014	1,643,751	3,829,484	2,143,784	3,395,277	2,539,661	3,298,313	2,494,352
Northern Area	521,793	368,520	1,297,384	953,196	1,460,921	1,275,898	1,194,814	1,145,388	1,462,917	910,529	2,114,505	1,128,124	1,944,706	1,593,546	1,958,248	1,552,228
Greenland	155	784	1,149	2,566	1,386	1,570	961	2,180	724	828	621	1,565	158	210	137	1,313
Canada	512,717	359,562	1,277,864	935,879	1,440,749	1,259,898	1,177,559	1,124,932	1,441,614	883,388	2,073,747	1,095,102	1,912,175	1,553,613	1,939,464	1,512,226
Newfoundland and Labrador	8,765	8,121	18,194	14,743	18,629	14,430	16,166	18,276	20,468	26,313	39,924	31,426	32,260	39,707	18,515	38,689
Miquelon and St. Pierre	157	53	178	8	157	(1)	128	(1)	112	———	213	31	113	16	132	1
Southern Area	291,178	246,139	574,985	588,917	625,938	757,844	724,279	752,934	1,072,097	733,222	1,714,979	1,015,661	1,450,572	946,114	1,340,065	942,124
Mexico	85,525	58,027	212,910	170,032	264,254	204,336	307,019	231,203	504,665	232,411	629,898	246,689	521,506	246,207	462,417	244,081
Central America	62,351	36,048	104,396	57,349	74,460	60,840	109,405	73,311	172,177	82,820	368,140	125,332	281,058	139,222	293,934	143,651
Guatemala	7,343	9,864	11,109	17,363	10,665	18,139	14,676	24,263	23,081	31,220	41,377	44,042	44,817	44,171	44,859	43,297
British Honduras	1,043	1,861	2,211	2,690	2,540	3,618	2,643	2,868	2,869	2,057	4,505	3,237	2,984	2,646	2,100	2,188
El Salvador	3,760	6,633	6,739	13,023	6,658	14,537	8,671	16,970	13,697	15,211	28,433	27,468	25,764	31,136	25,837	40,214
Honduras	5,973	6,799	8,055	7,016	8,999	7,295	10,262	9,020	19,737	9,414	29,901	11,577	27,269	13,196	33,569	15,217
Nicaragua	3,797	2,657	7,161	4,774	7,036	5,973	8,531	5,024	12,122	6,436	17,403	8,993	20,577	11,698	15,708	6,697
Costa Rica	6,855	3,807	11,880	8,358	12,561	7,557	16,023	10,578	22,629	10,604	35,053	20,693	28,622	22,938	26,997	22,365
Panama, Republic of	[2] 17,937	[2] 4,086	30,934	2,705	22,961	1,796	33,721	2,765	49,447	5,807	172,162	6,710	91,913	8,949	115,740	11,190
Panama, Canal Zone	[3] 26,070	[3] 568	26,308	1,418	3,039	1,923	14,878	1,822	28,595	2,071	39,305	2,612	39,112	4,487	29,124	2,482
Bermuda and Caribbean	143,303	152,065	257,679	361,536	287,225	492,668	307,855	448,421	395,254	417,991	716,941	643,640	648,007	560,686	583,713	554,392
Bermuda	3,523	321	6,370	501	5,474	369	5,930	529	7,987	460	12,463	652	9,690	597	11,780	480
Bahamas [4]	———	———	[5] 18,545	[5] 1,010	17,875	973	10,888	1,098	6,749	1,055	9,505	1,382	9,850	1,085	8,225	881
Cuba	80,471	118,313	151,213	271,704	167,371	386,990	195,758	337,589	271,826	324,418	491,843	509,624	440,966	374,990	380,260	387,496
Jamaica	4,844	1,496	7,542	3,651	10,866	4,230	10,056	2,389	11,975	2,091	23,901	1,439	12,948	1,833	10,354	2,054
Haiti	4,283	2,866	7,448	10,004	9,258	12,490	9,611	15,950	12,301	17,685	25,214	20,144	20,204	18,849	23,836	19,782
Dominican Republic	6,104	5,934	12,753	12,197	14,041	16,704	18,777	14,461	29,441	20,197	49,324	30,228	46,986	35,212	38,330	25,600
Leeward Islands [4]	———	———	[5] 1,585	[5] 2,196	805	68	1,960	2,538	1,904	2,839	4,549	3,529	3,261	2,480	3,042	1,872
Windward Islands [4]	———	———			1,157	2,444										
Other British West Indies [4]	3,479	1,355	17,053	2,963	———	———	———	———	———	———	———	———	———	———	———	———
Barbados	978	359	1,279	240	1,886	178	1,866	392	1,509	409	4,429	481	2,506	141	2,628	194
Trinidad and Tobago	7,323	2,352	18,324	3,932	18,100	4,593	13,141	4,000	9,056	2,232	19,373	3,079	14,275	5,398	15,471	5,383
Netherlands Antilles	30,236	18,867	29,325	54,153	30,363	59,349	30,818	65,749	34,535	46,228	66,925	72,955	81,512	120,048	82,447	110,451
French West Indies	2,063	203	6,373	2,191	10,030	4,280	9,051	3,727	7,973	376	9,415	126	5,809	51	7,340	200

South America	**317,400**	**337,703**	**500,039**	**801,021**	**540,277**	**931,271**	**645,226**	**976,101**	**1,148,590**	**1,118,138**	**2,353,642**	**1,254,222**	**1,911,532**	**1,559,644**	**1,558,955**	**1,502,249**
Northern Area	**95,300**	**78,989**	**145,275**	**141,545**	**156,949**	**163,598**	**232,027**	**194,031**	**364,858**	**283,287**	**662,053**	**391,925**	**728,480**	**522,451**	**708,512**	**534,675**
Colombia	42,152	48,282	58,177	87,337	60,401	104,724	88,209	102,877	145,670	156,569	218,931	205,628	197,295	236,474	175,875	241,470
Venezuela	50,796	26,853	76,765	46,955	87,133	54,367	136,647	85,020	211,469	119,557	426,783	173,490	516,623	270,761	518,525	278,754
British Guiana	1,144	626	3,730	1,325	3,953	718	3,279	740	3,490	928	7,826	1,338	6,352	1,291	4,925	1,155
Surinam	1,017	3,185	6,093	5,893	4,627	3,755	3,200	5,368	3,604	6,163	7,540	11,458	7,174	13,884	8,489	13,288
French Guiana	192	44	510	34	835	34	691	27	625	69	973	11	1,037	41	697	8
Western Area	**55,472**	**61,071**	**107,963**	**212,743**	**115,460**	**246,452**	**123,751**	**229,242**	**182,699**	**180,781**	**285,186**	**221,969**	**238,451**	**281,705**	**296,987**	**258,286**
Ecuador	4,800	3,640	11,566	11,820	14,404	15,226	15,080	13,955	22,220	13,219	39,996	18,463	30,748	18,885	32,375	17,092
Peru	18,340	14,053	34,624	27,031	36,867	30,492	42,521	34,039	61,570	36,355	91,561	41,701	66,524	34,918	86,172	40,257
Bolivia	5,419	2,129	12,735	37,527	12,429	47,111	14,275	46,061	21,710	46,897	28,290	39,505	35,711	48,845	36,204	48,468
Chile	26,912	41,249	49,039	136,365	51,761	153,623	51,874	135,186	77,200	84,309	125,340	122,300	105,468	179,056	142,237	152,469
Eastern Area	**166,628**	**197,642**	**246,800**	**446,733**	**267,868**	**521,221**	**289,448**	**552,828**	**601,033**	**654,071**	**1,406,403**	**640,327**	**944,651**	**755,489**	**553,455**	**709,287**
Brazil	74,108	106,596	169,213	236,305	218,192	292,752	218,626	311,168	356,408	407,704	643,225	445,669	497,307	513,907	381,942	551,940
Paraguay	725	1,332	1,805	3,948	1,856	3,640	2,562	6,221	5,510	3,751	7,740	2,268	6,233	4,091	7,706	5,690
Uruguay	8,650	11,559	19,489	44,570	18,606	47,606	29,442	66,229	47,965	48,233	75,491	37,753	60,226	57,725	34,636	54,148
Argentina	83,141	78,149	56,162	161,402	29,092	176,978	38,719	168,698	191,144	194,380	679,851	154,637	380,866	179,765	129,149	97,509
Falkland Islands	4	6	132	507	123	245	99	512	6	3	95	(1)	20	(1)	23	--------
Europe	**1,332,708**	**627,085**	**5,673,543**	**287,826**	**9,363,897**	**289,295**	**5,514,814**	**409,450**	**4,122,358**	**804,326**	**5,187,322**	**820,036**	**4,279,188**	**1,121,123**	**4,114,532**	**925,358**
Northwestern and Central Area	**1,131,328**	**488,313**	**3,461,935**	**191,365**	**5,382,142**	**149,284**	**3,100,301**	**262,631**	**2,794,325**	**516,713**	**4,025,099**	**581,481**	**3,366,918**	**817,338**	**3,269,519**	**709,036**
Iceland	621	1,478	15,016	4,182	19,698	4,020	20,025	4,638	11,631	5,958	15,749	3,094	10,238	3,982	8,389	2,217
Sweden	61,722	42,312	19,511	10,418	13,112	673	45,904	46,210	206,428	47,101	397,612	92,622	118,027	91,300	85,431	54,550
Norway	21,419	18,576	3,862	2,292	244	2,129	19,025	1,273	80,884	13,235	146,958	22,109	84,617	33,487	90,540	31,483
Denmark } Faroe Islands	17,089	3,585	1,057	76	--------	5	5,229	250	37,932	4,276	77,932	5,133	53,800	5,951	93,263	6,467
United Kingdom	602,744	165,156	3,221,368	110,031	4,242,621	84,480	2,192,788	89,544	855,205	158,140	1,103,243	204,903	644,104	289,520	700,435	226,804
Ireland (Eire)	12,986	1,630	7,309	1,740	8,877	1,135	10,234	1,420	28,177	2,213	88,819	2,785	36,983	2,664	62,655	1,657
Netherlands	74,990	34,441	16,431	1,229	--------	116	82,152	5,360	236,859	22,942	383,733	26,477	309,648	43,571	283,837	59,175
Belgium and Luxembourg	64,135	53,638	27,032	5,644	--------	158	135,160	15,503	278,115	77,306	534,606	58,619	308,616	103,555	306,835	94,640
France	172,433	58,766	98,670	4,015	17,897	406	472,014	13,289	709,147	62,807	817,154	47,013	591,198	73,093	497,206	61,236
Germany [6]	76,412	58,912	451	1,072	(1)	70	2,205	1,104	82,776	3,158	128,328	6,254	862,719	31,725	820,301	45,467
Austria [6]	[7] 2,133	[7] 3,712	(1)	6	--------	--------	2	30	45,795	1,494	74,640	4,380	145,894	8,970	150,910	9,636
Czecho-Slovakia [6]	9,635	18,186	10,390	105	--------	3	51,951	499	106,748	19,160	49,094	23,210	21,563	22,125	21,767	20,869
Hungary [6]	2,051	3,723	24	35	--------	--------	115	19	6,422	328	12,859	1,501	8,029	1,613	5,348	1,757
Switzerland	13,811	25,684	40,813	50,521	79,693	56,089	63,496	83,494	108,205	98,597	194,371	83,380	171,483	105,781	142,603	93,079

[1] Less than $500. ⊙ [2] Canal Zone included for 1936 and 1937. ⊙ [3] Average for 1938–40. ⊙ [4] Bahamas, Leeward and Windward Islands combined as Other British West Indies prior to 1942; average for 1941–45 shown under Other British West Indies. ⊙ [5] Average for 1942–45. ⊙ [6] For statistical purposes, trade with Germany was defined to include (as far as ascertainable) trade with areas under de facto administrative control of Germany from the following dates to the close of World War II; Austria, May 6, 1938; Sudeten area of Czecho-Slovakia, Nov. 10, 1938; other Czecho-Slovak provinces (Bohemia, Moravia, and part of Slovakia), Mar. 18, 1939; Memel territory of Lithuania, Mar. 25, 1939; and, Danzig and German-occupied Poland, Nov. 16, 1939. Similarly, trade with that area of Czecho-Slovakia occupied by Hungary was defined to be trade with Hungary for those portions of Ruthenia and parts of Slovakia occupied Dec. 30, 1938, and Mar. 19, 1939, respectively. Trade with Czecho-Slovak area occupied by Poland was included with the Polish trade from Dec. 30, 1938, to Nov. 16, 1939. Though country classifications used in this table do not recognize de facto boundaries existing in certain geographic areas after World War II, statistics are primarily in terms of this situation. For example, certain shipments credited to U. S. S. R. should probably be credited to Estonia, Latvia, Russian-occupied Poland, etc., but when the country of ultimate destination or origin of merchandise in terms of prewar boundaries is not readily ascertainable, the de facto situation is reflected in the statistics. ⊙ [7] Average for 1936–38.

No. 1020.—Exports (Including Reexports) and General Imports of Merchandise, by Country of Destination and Origin: 1936 to 1949—Continued

[In thousands of dollars]

Area and country	1936–40, average		1941–45, average		1944		1945		1946		1947		1948		1949	
	Exports	Imports	Exports	Imports	Exports	Imports	Exports	Imports	Exports	Imports	Exports	Imports	Exports	Imports	Exports	Imports
Europe—Con.																
Northeastern Area	**92,111**	**53,394**	**1,986,157**	**38,888**	**3,473,257**	**49,654**	**1,921,977**	**58,722**	**572,879**	**112,986**	**316,097**	**118,245**	**120,140**	**127,062**	**56,444**	**69,899**
Finland	13,904	15,433	1,721	252		2	891	4	31,073	12,163	59,299	39,808	36,463	38,973	26,273	27,416
Estonia [6]	1,182	923		(1)				(1)	2	4	8	(1)	7	(1)	17	(1)
Latvia [6]	1,234	753	7	1			3		1	12			1	6	(1)	1
Lithuania [6]	398	717	2	7			11		1	2	16	(1)	115	10	12	7
Poland and Danzig [6]	17,474	11,346	16,926	29		4	84,622	1	183,263	258	107,705	1,335	55,675	1,249	23,524	3,335
Union of Soviet Socialist Republics (Russia) [6]	57,917	24,223	1,967,502	38,598	3,473,257	49,649	1,836,449	58,716	358,539	100,548	149,069	77,102	27,879	86,825	6,617	39,140
Southwestern Area	**92,657**	**60,017**	**178,831**	**54,364**	**486,568**	**89,272**	**301,488**	**84,542**	**476,612**	**142,094**	**627,014**	**92,826**	**535,679**	**150,907**	**576,311**	**113,563**
Azores [8]			[5] 480	[5] 256	625	323	339	324	496	887	3,080	909	1,200	511	921	474
Azores and Madeira Islands [8]	331	656	972	3,397												
Spain	18,718	13,251	22,402	29,643	25,817	49,615	40,759	57,417	42,772	48,327	32,651	26,857	26,471	34,833	50,407	24,305
Portugal	12,534	7,450	13,624	21,850	12,282	35,885	23,263	21,182	59,939	23,266	94,499	20,971	76,157	19,979	52,416	13,614
Gibraltar	255	4	1,890	3	761	6	1,060	1	89	20	1,533	28	236	77	733	7
Malta, Gozo, and Cyprus [9]			4,691	633			5,379	416	2,295	678	4,402	303	2,193	1,477	1,877	3,930
Italy [10] [11]	60,819	38,655	135,821	1,815	433,192	3,396	230,687	5,203	369,768	68,916	490,759	43,758	417,905	94,024	458,060	71,216
Free Territory of Trieste [11]													11,517	5	11,897	17
Aegean Islands [10]									1,254		90					
Malta and Gozo [9]			[12] 5,781	[12] 24	13,890	48										
Southeastern Area	**16,612**	**25,360**	**46,620**	**3,210**	**21,931**	**1,085**	**191,049**	**3,554**	**278,541**	**32,533**	**219,112**	**27,485**	**256,452**	**25,816**	**212,258**	**32,859**
Yugoslavia	2,628	4,234	18,223	258			90,563	192	126,614	1,225	31,490	5,760	8,017	5,025	20,899	14,888
Albania	153	133	1,384				6,911		4,324	5	4,556	8	344		127	
Greece [10]	7,241	15,619	26,790	2,026	21,536	6	93,198	346	143,645	23,659	166,517	16,631	238,462	19,480	186,634	15,723
Rumania	5,545	2,671	(1)	12		3	2	6	2,028	56	15,079	435	7,542	480	3,209	584
Bulgaria	508	1,816	76	913			375	3,010	1,930	7,588	1,471	4,651	2,086	831	1,389	1,664
Cyprus [9]			[12] 211	[11] 727	394	1,075										
Malta, Gozo, and Cyprus [9]	536	887														

Asia	535,283	784,989	799,063	478,314	995,782	321,940	849,252	407,315	1,326,870	886,946	1,917,504	1,055,195	2,129,566	1,346,073	2,218,215	1,241,183
Western Area	28,841	31,172	118,098	77,175	92,427	98,423	106,213	152,359	131,132	184,737	303,787	107,287	358,557	169,106	470,421	170,356
Turkey	10,189	16,070	27,456	36,374	11,544	51,078	15,608	69,960	36,686	68,366	82,153	57,225	100,886	49,977	120,386	55,698
Syria [13]	2,297	3,022	2,895	1,557	2,315	1,619	8,523	2,044	17,115	8,497	43,151	7,777	6,971	4,586	4,901	3,811
Lebanon [13]													27,106	5,483	41,121	2,077
Iraq	2,823	5,355	40,044	5,505	16,480	3,552	10,960	10,469	6,723	14,019	14,210	5,162	11,506	10,493	13,149	5,653
Iran (Persia)	6,113	5,190	24,672	10,097	18,848	11,027	28,107	17,556	21,851	31,252	33,988	23,400	43,650	26,692	79,428	16,400
Palestine and Trans-Jordan [14]	4,282	389	9,246	8,299	13,857	9,553	14,033	18,156	18,618	22,865	31,689	5,105				
Palestine [14]													29,166	5,194	78,996	5,986
Trans-Jordan [14]													2,640		2,099	1
Arabia Peninsula States [15 16]	2,879	640			15,949	774										
Kuwait [16]			7,674	790			834	3	2,473	75	11,830	319	33,268	12,599	22,535	38,850
Saudi Arabia [16]							18,731	106	19,193	1,793	67,492	2,481	83,974	16,150	84,808	20,080
Arabia Peninsula States, n. e. s. [16]							50	527	928	1,259	675	2,101	339	1,659	680	1,653
Aden [15]	258	507	805	55	636	81	2,050	60	690	52	2,761	33	769	187	650	61
State of Bahrein [17]			[5] 6,267	[5] 29	12,383	31	6,475	66	2,915	781	9,143	756	13,968	1,601	19,137	357
Afghanistan [17]			[5] 367	[5] 18,096	416	20,709	843	33,412	3,940	35,778	6,696	2,928	4,314	34,486	2,532	19,729
Southern and Southeastern Area	185,520	505,212	583,836	358,040	851,584	212,374	631,977	248,774	581,639	526,810	1,100,088	790,947	1,012,658	986,181	971,010	874,390
India [18 19 20]	43,047	78,648	457,151	132,107	777,279	144,926	478,656	173,128	181,093	237,834	401,068	253,763	298,216	265,250	253,127	238,745
Pakistan [20]													16,994	26,129	45,552	27,697
Ceylon	1,584	20,305	39,636	45,443	74,221	65,004	87,096	66,942	10,180	31,942	46,698	29,762	19,374	52,812	18,671	34,809
Burma [18]	[3] 4,812	[3] 835	4,322	596		4	503	3	2,546	1,074	5,590	370	4,525	1,701	1,921	1,184
Siam (Thailand)	4,658	591	1,585	433		(1)			7,559	7,403	13,330	19,404	16,380	52,508	31,571	48,080
French Indo-China and French India [19]	4,609	8,118	1,002	2,107	6	(1)	1,457	(1)	8,069	41,840	23,690	4,291	14,305	3,344	18,232	1,133
British Malaya	9,663	188,088	10,782	79,429		(1)	1,045	5,724	14,603	129,079	65,752	284,112	81,998	269,244	37,627	195,602
Indonesia	31,104	103,158	38,916	68,356		2,058	20,849	2,017	57,966	37,292	103,591	37,243	92,273	86,557	124,311	120,370
Philippine Islands	85,020	100,716	30,203	21,852		(1)	42,141	791	297,439	39,912	439,519	161,725	467,777	228,112	439,108	206,259
Portuguese Asia [21]			[5] 88	[5] 179			225	170	2,165	435	827	277	768	524	866	510
Southern and southeastern Asia, n. e. s. [17 21]	2,947	5,086			78	382	5		20		24		49		25	
Eastern Area	320,922	248,604	97,129	43,099	51,770	11,143	111,062	6,182	614,098	175,399	513,629	156,961	758,351	190,786	776,783	196,437
China [22]	52,965	75,975	77,525	26,512	51,770	11,122	107,636	6,046	464,846	92,729	353,498	116,705	273,398	120,343	82,622	106,426
Manchuria [22]								4	54	14	28	(1)	2		(1)	772
Korea [23]									266	35	1,235	2,167	70,052	3,031	52,237	1,333
Hong Kong	17,122	5,577	6,642	629		5	2,792	(1)	46,654	1,481	89,479	2,401	84,198	3,565	121,300	4,279
Taiwan (Formosa) [23]									115	(1)	9,236	285	5,962	1,116	53,105	1,661
Kwantung	12,445	2,593	392	222			(1)		1		79					
Japan [23 24]	238,390	164,459	12,570	15,736		16	633	132	102,161	81,139	60,075	35,403	324,739	62,730	467,519	81,966

[1] Less than $500. ⊙[3] Average for 1938–40. ⊙[5] Average for 1942–45. ⊙[6] See footnote 6, p. 859. ⊙[8] Azores and Madeira Islands combined prior to 1942. Thereafter Azores shown separately and Madeira Islands transferred from southwestern Europe to Western Portuguese Africa; average 1941–45 shown under Azores and Madeira Islands. ⊙[9] Malta, Gozo, and Cyprus combined and included in Southeastern Area of Europe prior to 1942; Malta and Gozo combined and included in Southwestern Area of Europe and Cyprus shown separately in Southeastern Area of Europe in 1942–44; Malta, Gozo, and Cyprus combined and included in Southwestern Area of Europe in 1945–49. Average for 1941–45 shown for Malta, Gozo, and Cyprus under Southwestern Area of Europe. ⊙[10] Aegean Islands included with Italy prior to 1945; beginning with 1948, included with Greece. ⊙[11] Free Territory of Trieste included with Italy prior to 1948. ⊙[12] Average for 1942–44. ⊙[13] Lebanon included with Syria prior to 1948. ⊙[14] Palestine and Trans-Jordan combined prior to 1948. ⊙[15] Hadramut included with Arabia Peninsula States prior to 1942, thereafter included with Aden. ⊙[16] Kuwait, Saudi Arabia, and Arabia Peninsula States, n. e. s., included with Arabia Peninsula States prior to 1945. ⊙[17] State of Bahrein and Afghanistan included with Southern and Southeastern Asia, n. e. s., prior to 1942. ⊙[18] Burma included with India prior to 1938. ⊙[19] French India included with India prior to 1945. [20]⊙ Pakistan included with India prior to 1948. ⊙[21] Portuguese Asia included with Southern and Southeastern Asia, n. e. s., prior to 1945. ⊙[22] Manchuria included with China prior to 1945. ⊙[23] Korea and Formosa included with Japan prior to 1945. ⊙[24] Japanese Mandated Islands included with Japan prior to 1942.

No. 1020.—Exports (Including Reexports) and General Imports of Merchandise, by Country of Destination and Origin: 1936 to 1949—Continued

[In thousands of dollars]

Area and country	1936–40, average		1941–45, average		1944		1945		1946		1947		1948		1949	
	Exports	Imports	Exports	Imports	Exports	Imports	Exports	Imports	Exports	Imports	Exports	Imports	Exports	Imports	Exports	Imports
Australia and Oceania	**89,150**	**36,372**	**363,562**	**187,281**	**410,484**	**130,305**	**353,569**	**170,935**	**116,671**	**182,574**	**320,324**	**155,761**	**152,772**	**163,673**	**194,519**	**125,333**
Australia	67,604	23,140	299,092	153,643	335,782	97,869	309,764	126,050	83,550	144,647	235,631	125,337	114,289	129,261	142,351	97,636
New Guinea (Australian)					13,984	243	272	237	226	27	843	22	326	1,244	2,186	70
New Zealand	20,308	11,916	60,340	24,327	54,737	20,274	37,692	35,401	27,987	34,800	76,768	27,624	34,111	30,450	42,569	24,374
New Hebrides [25 26]	602	367	1,055	3,105	1,367	4,846	185	1,210	139	78	259					
British Oceania [25 26]							984	1,592	819	773	1,481	130				
British Western Pacific Islands [26]													924	95	1,248	176
French Pacific Isls [27]	636	949	3,067	6,178	4,613	7,059	4,637	6,319	3,914	1,924	5,218	1,671	3,056	1,734	6,029	2,356
Japanese Mandated Islands [24 28]			[5] 9	[5] 35		15	35	126	35	325	124	978				
Western Pacific Isls [28]													66	889	135	720
Africa	**132,068**	**81,220**	**842,499**	**217,524**	**861,404**	**222,312**	**523,671**	**297,015**	**488,819**	**306,317**	**821,471**	**327,335**	**784,672**	**393,703**	**615,670**	**337,747**
Northern Area	**20,837**	**13,168**	**602,969**	**17,836**	**629,576**	**15,674**	**304,709**	**17,642**	**149,004**	**31,136**	**172,914**	**37,353**	**120,552**	**44,767**	**133,106**	**23,302**
Morocco [29]	3,273	1,413														
French Morocco [29]			[5] 30,096	[5] 1,876	44,708	1,443	28,402	1,751	31,298	1,692	36,139	2,687	28,212	6,691	30,565	5,793
Spanish Morocco [30]			[12] 269	[12] 58	280	77										
Tangier [29]			[5] 733	[5] 31	393		1,830	122	4,984	318	9,673	149	9,943	178	12,265	204
Algeria	2,104	2,185	90,746	1,644	79,746	2,404	91,512	2,032	61,323	1,722	47,656	1,823	37,132	3,757	26,269	4,061
Tunisia	1,164	989	5,602	161	10,847	500	16,391	208	15,263	619	15,890	272	7,258	726	9,447	1,328
Libya [31]			[5] 481	[5] 99	902	373	570	22	132	128	511	182	337	717	119	238
Egypt	14,297	8,583	476,087	12,368	491,044	9,943	164,794	11,234	35,274	24,046	60,114	28,082	36,352	30,070	52,881	9,732
Anglo-Egyptian Sudan			3,992	1,729	1,656	935	1,210	2,272	730	2,611	2,931	4,158	1,318	2,627	1,561	1,947
Western Area	**16,666**	**33,058**	**67,845**	**80,495**	**61,107**	**93,000**	**59,676**	**118,268**	**72,716**	**90,761**	**149,886**	**146,400**	**117,403**	**173,808**	**161,418**	**142,503**
Western Spanish Africa:																
Canary Islands	1,261	225	555	223	435	303	823	107	1,806	125	1,950	82	2,112	132	3,804	155
Rio de Oro and Spanish Guinea [30]			[12] 13		6											
Other Spanish Africa [30]	484	5	295	110												
Spanish Africa, n. e. s. [30]							422	364	851	156	2,084	738	1,269	2,202	972	57
Western French Africa:																
Cameroon [32]			[5] 1,648	[5] 670	1,660	1,100	1,542	631	4,583	1,733	6,768	660	5,944	1,282	6,168	33
French Equatorial Africa [32]			[5] 2,667	[5] 1,367	1,534	48	2,182	4,499	2,923	375	4,512	720	5,552	91	8,823	48
French West Africa [32]			[5] 11,184	[5] 1,267	10,736	871	18,963	4,076	18,847	1,927	29,563	2,457	18,378	8,610	21,965	2,343
Other French Africa, n. e. s. [32]	3,994	2,857														

Western British Africa:																
Gold Coast	3,425	13,309	17,405	13,758	7,434	17,682	4,262	21,718	3,751	23,300	10,510	52,166	6,293	74,426	6,781	50,607
Nigeria	2,616	7,376	8,076	8,645	7,880	11,595	6,726	13,455	6,407	12,116	21,787	31,386	9,542	31,073	6,903	30,566
St. Helena and Dependencies [33]					5	2										
Gambia and Sierra Leone [33]			5,176	994	5,687	1,508										
Other Brit. W. Africa [33]	364	616														
British West Africa, n. e. s. [33]							1,824	1,528	922	1,131	3,463	1,136	1,133	849	1,236	1,069
Western Portuguese Africa:																
Madeira Islands [8]			[5] 531	[5] 3,722	419	5,031	543	6,569	963	8,888	2,261	3,349	2,224	3,045	1,358	2,860
Cape Verde Islands [34]			[5] 164	[5] 9	227	10	193	1	347	1	1,061					
Angola [34]													7,416	5,231	8,799	7,288
Portuguese Guinea and Angola [34]			[5] 1,223	[5] 2,260	1,481	2,539	1,855	4,273	3,032	8,980	9,252	9,816				
Portuguese Guinea, n. e. s. [34]													934	800	618	358
Other Portuguese Africa [34]	1,208	543														
Liberia	904	1,558	2,899	7,336	3,788	8,576	2,554	11,470	4,493	12,875	6,689	11,350	7,583	13,054	45,602	10,913
Belgian Congo	2,411	6,569	19,259	41,879	19,814	43,736	17,787	49,577	23,791	19,155	49,985	32,539	49,024	33,013	48,387	36,205
Eastern Area	**12,665**	**7,992**	**24,781**	**20,218**	**29,890**	**19,203**	**22,075**	**32,432**	**28,537**	**27,810**	**64,508**	**28,661**	**45,822**	**27,705**	**44,882**	**40,370**
Eastern Italian Africa [31]	537	213	491	351	265	607	295	774	290	1,654	795	1,449	107	1,260	168	793
Ethiopia (Abyssinia)	102	399	472	726	849	724	1,502	1,077	712	3,470	8,085	5,583	4,677	7,187	3,718	8,330
French Somaliland [32]			[5] 28	[5] 1	21	(1)	90		182	(1)	727	9	563	94	509	68
British Somaliland			4	530		758	(1)	849	(1)	2,302	2	1,870	4	1,973	5	999
Seychelles and Dependencies	4,263	5,639	2	97	4	93	1	142	1	584	10	140	13	28	24	138
Mauritius and Dependencies			393	(1)	594	(1)	777	(1)	351	1	804	6	1,093	(1)	990	7
British East Africa [35]			19,209	11,538	24,211	10,470	11,584	14,895	10,859	9,604	29,069	9,372	14,607	11,396	16,757	21,302
Mozambique	7,348	101	2,349	2,177	1,415	2,722	3,259	3,373	8,062	2,000	18,173	1,576	17,783	3,009	16,808	5,424
Madagascar	415	1,640	1,837	4,496	2,532	3,828	4,567	11,321	8,129	8,196	6,844	8,655	6,975	2,758	5,903	3,307
Southern Area	**81,901**	**27,002**	**146,904**	**98,976**	**140,831**	**94,436**	**137,211**	**128,672**	**238,512**	**156,610**	**434,162**	**114,921**	**500,896**	**147,423**	**276,263**	**131,573**
Union of South Africa [36]	80,386	22,472	139,782	88,743	128,847	88,895	131,130	103,893	228,338	150,311	413,938	111,119	492,111	135,224	266,049	116,351
Northern Rhodesia [37]			[5] 1,504	[5] 4,307	2,108	5	1,275	17,223	721	2,451	1,813	318	2,657	6,265	3,341	9,569
Southern Rhodesia [37]			[5] 6,775	[5] 6,777	9,866	5,227	4,766	7,553	7,900	3,821	18,338	3,476	6,093	5,827	6,856	5,555
So. Brit. Africa [36 37]			[5] 22	[5] 80	9	309	40	3	1,554	27	73	8	35	106	17	98
Other Brit. So. Afr. [35 37]	1,515	4,530														

[1] Less than $500. ⊙[5] Average for 1942–45. ⊙[8] Azores and Madeira Islands combined prior to 1942. Thereafter, Azores shown separately and Madeira Islands transferred from southwestern Europe to Western Portuguese Africa; average for 1941–45 shown under Azores and Madeira Islands. ⊙[12] Average for 1942–44. ⊙[24] Japanese Mandated Islands included with Japan prior to 1942. ⊙[25] New Hebrides included with British Oceania prior to 1945. ⊙[26] New Hebrides and British Oceania combined in 1948 and designated British Western Pacific Islands. ⊙[27] Called French Oceania prior to 1945. ⊙[28] Japanese Mandated Islands redesignated Western Pacific Islands in 1948. ⊙[29] French Morocco and Tangier combined as Morocco prior to 1942. ⊙[30] Spanish Morocco, Rio de Oro, and Spanish Guinea known as Other Spanish Africa prior to 1942; beginning with 1945, combined as Spanish Africa, n. e. s. ⊙[31] Libya included with Eastern Italian Africa prior to 1942. ⊙[32] Cameroon, French Equatorial Africa, French West Africa, and French Somaliland known as Other French Africa, n. e. s. prior to 1942. ⊙[33] St. Helena and Dependencies, Gambia, and Sierra Leone known as Other British West Africa prior to 1942 and as British West Africa, n. e. s., beginning with 1945. ⊙[34] Cape Verde Islands, Portuguese Guinea, and Angola known as Other Portuguese Africa prior to 1942; beginning with 1948, Angola shown separately and Cape Verde Islands and Portuguese Guinea combined as Portuguese Guinea, n. e. s. ⊙[35] Nyasaland included with Other British South Africa prior to 1942 and with British East Africa thereafter. ⊙[36] Basutoland and Swaziland included with Union of South Africa, prior to 1942 and with Southern British Africa thereafter. ⊙[37] Northern Rhodesia, Southern Rhodesia, and Southern British Africa known as Other British South Africa prior to 1942.

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

No. 1021.—Exports (Including Reexports) and Imports of Merchandise, 1946, 1947, and 1948, and Duties Collected, 1948, by Customs Districts

[In thousands of dollars]

Customs district	Exports, domestic and foreign			Imports for consumption			Duties collected, 1948 [1]
	1946	1947	1948	1946	1947	1948	
Total	**9,738,321**	**14,429,747**	**[2] 12,653,058**	**4,824,902**	**5,666,321**	**7,092,032**	**418,655**
Maine and New Hampshire	34,010	33,973	27,622	47,221	56,507	70,956	2,041
Vermont	97,363	144,208	101,186	82,894	105,597	141,275	3,728
Massachusetts	66,062	82,722	(3)	307,549	362,367	422,735	57,419
Rhode Island	10,365	1,823	(3)	24,640	25,583	32,018	4,753
Connecticut	213	1,576	(3)	5,186	15,637	13,484	1,133
St. Lawrence	179,665	238,871	202,923	111,910	140,839	175,601	4,397
Rochester	22,401	32,019	32,988	6,717	8,083	10,425	842
Buffalo	318,789	441,065	386,803	153,170	167,135	236,338	7,814
New York	4,016,164	6,030,822	(3)	2,291,371	2,321,584	2,818,212	179,507
Philadelphia	306,550	489,187	(3)	255,892	330,670	487,297	28,299
Pittsburgh	22	203	13	12,564	15,118	15,194	2,943
Maryland	344,561	528,053	(3)	147,527	209,579	241,697	10,228
Virginia	468,079	592,670	(3)	50,739	81,304	105,483	9,488
North Carolina	45,848	8,339	(3)	36,326	38,586	39,098	11,970
South Carolina	20,409	41,223	(3)	7,431	7,871	17,154	1,082
Georgia	94,834	63,525	(3)	21,720	46,636	46,275	3,712
Florida	173,727	206,363	(3)	74,531	76,130	84,252	4,954
Mobile	108,292	104,722	(3)	20,158	22,676	33,149	1,078
New Orleans	568,845	919,207	(3)	228,041	356,568	424,401	13,610
Sabine	110,536	171,033	(3)	1,198	2,912	9,697	358
Galveston	729,837	834,097	(3)	83,096	111,422	173,800	3,933
Laredo	331,162	397,162	324,665	55,037	49,459	54,246	3,030
El Paso	40,531	44,382	35,641	24,311	16,915	15,335	631
San Diego	24,417	34,478	34,405	11,012	8,337	13,473	576
Arizona	33,228	41,292	30,739	23,784	36,091	44,013	3,313
Los Angeles	113,365	258,560	(3)	66,814	112,160	144,775	5,375
San Francisco	297,117	397,459	(3)	102,651	174,575	184,104	6,777
Oregon	109,832	150,135	(3)	11,338	19,351	18,077	1,116
Washington	136,291	224,651	185,583	65,786	101,132	146,713	3,911
Alaska	1,055	1,008	2,409	571	502	2,779	69
Hawaii	6,705	8,080	6,705	9,234	9,216	12,726	1,318
Montana and Idaho	16,825	26,478	31,042	6,558	8,424	16,442	441
Dakota	98,955	147,561	129,808	58,593	83,212	132,185	3,580
Minnesota	70	466	2,877	2,675	3,136	23,108	1,994
Duluth and Superior	26,186	42,772	44,006	48,422	61,860	81,215	1,014
Wisconsin	735	6,490	8,329	12,697	14,304	20,056	808
Michigan	480,432	697,906	638,609	208,556	278,667	403,199	10,821
Chicago	16,110	28,031	31,341	66,670	55,574	70,351	8,544
Indiana	48	220	110	4,460	4,643	4,856	1,309
Ohio	89,708	112,349	144,768	31,050	30,801	40,418	6,780
Kentucky	6	4	2	2,027	1,305	2,298	651
Tennessee	1	14	4	3,135	1,717	2,031	697
St. Louis	15	75	27	11,455	16,674	19,204	2,503
Colorado	2	47	1	1,542	3,236	2,511	110
Puerto Rico	4,250	8,247	6,325	24,267	21,724	24,203	[4] 2,728
Virgin Islands [5]	458	852	560	1,817	1,987	1,800	[4] 52
Vessels under own power or afloat	105,262	613,913	248,282	2,276	----------	18,166	----------
Shipments valued under $100 [6]	19,483	59,475	88,444	----------	----------	----------	----------
Parcel Post	69,956	73,607	(3)	----------	----------	----------	----------
Shipments on vessels operated by U. S. Army or Navy	(7)	[7] 82,287	1,147,146	----------	----------	----------	----------

[1] As reported to Treasury Department by collectors of customs, subject in certain cases to subsequent refund as well as drawback. These figures are somewhat higher than duties as calculated on basis of imports for consumption, as shown in table 1023.

[2] Includes $8,760,255,000 covering districts for which data are not individually reported.

[3] Data not individually reported.

[4] Duties less cost of collection are turned into the Island's treasury; excluded from totals.

[5] Excluded from totals; not part of U. S. customs area, assessed under tariff law of Virgin Islands.

[6] For 1946, export shipments individually valued under $25, except shipments by air; for January 1947–July 1948, export shipments individually valued under $50, except shipments by air; after July 1948, export shipments individually valued under $100.

[7] Prior to July 1947, included with figures for individual customs districts; data for 1947 covers only the period of July through December.

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

No. 1022.—Exports (Including Reexports) and Imports of Merchandise, by Principal Customs Districts: 1860 to 1949

[**In thousands of dollars.** For basis of dollar values, except export figures for 1870–78, see general note, p. 827. Export figures for those years represent mixed gold and currency values. Figures cover fiscal years to and including 1915; thereafter, calendar years. Import data are "general imports" through 1933; "imports for consumption" thereafter. Areas of districts were rearranged July 1, 1913. Prior to that date some of the districts were more restricted. However, in most cases this change only slightly affects the comparability of the figures. Prior to 1914 the statistics given in the table for Buffalo include the (former) districts of Buffalo Creek and Niagara; those for Michigan include the (former) districts of Superior, Huron, and Detroit; and those for Massachusetts and Maryland were the former districts of Boston and Baltimore, respectively]

Year or yearly average	Massachusetts		New York		Philadelphia		Maryland		Georgia	
	Exports	Imports	Exports	Imports	Exports	Imports	Exports	Imports	Exports	Imports
1860	12,748	39,334	80,048	231,310	5,527	14,612	8,940	9,781	18,352	782
1870	14,126	47,484	196,615	281,049	16,928	14,483	14,511	19,512	29,747	1,002
1871–1880	36,440	52,450	289,782	357,431	35,205	23,585	35,819	23,532	25,670	646
1881–1890	63,136	63,638	339,771	460,476	36,094	38,479	51,332	13,335	22,405	528
1891–1900	97,361	68,768	397,236	490,204	49,964	50,451	86,876	13,632	26,117	382
1901–1910	95,423	96,670	575,272	697,726	81,215	64,125	90,218	26,232	56,233	1,643
1911–1915	76,794	141,012	913,312	975,410	74,238	86,261	107,095	30,196	84,022	4,882
1915–1920 [1]	217,236	273,049	2,012,529	1,703,482	415,261	144,849	320,396	42,282	139,775	16,745
1921–1925	53,559	257,227	1,611,328	1,675,784	117,833	182,857	113,995	77,686	71,832	19,714
1926–1930	40,666	267,496	1,689,191	1,967,049	100,406	205,098	93,543	109,108	73,099	17,814
1931–1935	18,804	95,799	675,065	866,790	55,625	100,712	32,199	55,312	24,657	9,320
1936–1940	23,743	157,458	1,294,347	1,210,233	90,647	145,182	98,031	79,559	22,692	12,533
1941–1945	80,055	196,323	4,295,688	1,278,003	838,370	173,135	561,752	93,932	143,978	27,000
1940	28,419	163,511	1,944,885	1,241,828	114,993	135,869	167,512	94,767	14,068	9,712
1941	43,002	256,905	2,699,821	1,517,871	152,219	165,804	145,459	105,274	36,638	12,771
1942	129,370	191,723	3,804,147	970,856	567,983	109,662	266,344	62,125	15,707	8,854
1943	103,861	172,264	5,016,109	1,146,831	1,330,890	148,566	819,236	83,018	149,326	25,341
1944	55,508	152,451	5,938,435	1,276,909	1,450,661	205,122	1,078,725	101,338	366,526	37,146
1945	68,536	208,274	4,019,929	1,477,546	690,098	236,522	498,996	117,906	151,691	50,890
1946	66,062	307,549	4,016,164	2,291,371	306,550	255,892	344,561	147,527	94,834	21,720
1947	82,722	362,367	6,030,822	2,321,584	489,187	380,670	528,053	209,579	63,525	46,036
1948	(2)	422,735	(2)	2,818,212	(2)	487,297	(2)	241,697	(2)	46,275
1949	(2)	361,425	(2)	2,444,627	(2)	475,234	(2)	240,124	(2)	45,744

Year or yearly average	New Orleans		Galveston		Buffalo		Chicago		Michigan	
	Exports	Imports	Exports	Imports	Exports	Imports	Exports	Imports	Exports	Imports
1860	108,165	20,636	5,772	533	3,049	4,850	1,165	60	3,827	961
1870	107,587	14,377	14,874	509	353	9,275	2,613	736	3,116	1,736
1871–1880	84,785	13,245	15,491	1,384	659	6,562	4,221	693	8,115	2,728
1881–1890	86,612	11,185	19,665	1,323	448	9,115	2,618	7,489	14,817	5,256
1891–1900	96,730	16,208	51,070	1,081	9,875	6,550	3,925	14,395	21,374	5,845
1901–1910	150,173	37,080	150,182	3,386	39,122	10,514	4,804	21,458	50,891	10,700
1911–1915	179,038	78,668	241,254	7,611	82,712	24,321	10,341	32,000	102,360	20,967
1915–1920 [1]	428,107	149,070	346,984	15,930	198,686	88,161	21,379	40,117	294,375	61,893
1921–1925	391,342	167,731	523,904	30,066	162,606	77,517	27,681	46,066	211,729	76,859
1926–1930	363,633	201,668	548,254	31,598	209,103	136,663	11,865	48,914	292,545	93,297
1931–1935	141,711	84,747	256,703	15,581	70,602	52,785	4,288	28,959	113,055	47,588
1936–1940	197,285	111,548	250,814	27,650	113,001	78,792	18,758	41,357	183,157	72,532
1941–1945	304,441	240,841	210,506	60,932	288,584	210,270	12,296	42,200	578,857	201,393
1940	223,354	101,259	191,017	28,625	176,583	87,274	19,875	30,988	243,251	82,283
1941	179,001	141,253	83,119	49,436	234,194	117,720	10,704	32,142	394,496	104,472
1942	263,399	221,662	107,684	82,545	308,934	147,727	11,352	34,657	611,533	155,841
1943	398,206	258,906	180,898	40,866	334,878	204,225	8,629	34,021	629,848	223,487
1944	285,790	294,378	262,985	69,725	299,867	290,951	20,852	62,480	752,753	220,891
1945	395,809	288,004	417,846	62,089	265,046	200,726	9,942	47,314	505,655	302,274
1946	568,845	228,041	729,837	83,096	318,789	153,170	16,110	66,670	480,432	208,656
1947	919,207	356,568	834,007	111,422	441,065	167,135	28,031	55,574	697,906	278,667
1948	(2)	424,401	(2)	173,806	386,803	236,338	31,341	70,351	638,609	403,199
1949	(2)	417,206	(2)	201,493	389,703	231,147	42,461	82,240	688,866	394,978

[1] Period July 1, 1915, to Dec. 31, 1920.
[2] Customs district data not available.

No. 1022.—Exports (Including Reexports) and Imports of Merchandise, by Principal Customs Districts: 1860 to 1949—Continued

[In thousands of dollars]

Year or yearly average	San Francisco		Washington		Year or yearly average	San Francisco		Washington	
	Exports	Imports	Exports	Imports		Exports	Imports	Exports	Imports
1860	4,868	7,367	----------	----------	1936–1940	120,922	74,986	77,816	36,543
1870	13,992	15,983	428	35	1941–1945	328,645	83,972	214,188	78,802
1871–1880	23,597	27,629	493	32	1940	113,668	98,539	87,119	41,949
1881–1890	37,388	41,726	2,178	203	1941	145,203	113,218	58,802	58,573
1891–1900	34,486	42,000	9,788	3,734	1942	303,600	98,074	90,626	56,361
1901–1910	35,255	43,707	34,638	16,658	1943	677,022	88,038	388,208	71,329
1911–1915	60,154	63,760	57,711	50,200	1944	304,255	64,476	310,879	115,072
1915–1920 [1]	186,317	197,613	222,702	206,862	1945	213,143	56,052	222,427	92,077
1921–1925	158,275	155,500	110,361	214,213	1946	297,117	102,651	136,291	65,786
1926–1930	183,236	195,331	136,886	212,134	1947	307,459	174,575	224,651	101,132
1931–1935	95,950	65,233	48,974	35,216	1948	(2)	184,104	185,583	146,713
					1949	(2)	211,437	149,330	140,951

[1] Period July 1, 1915, to Dec. 31, 1920.

[2] Customs district data not available.

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

No. 1023.—Imports Entered for Consumption and Duties Thereon: 1821 to 1949

[For basis of dollar values, see general note, p. 827. From 1821 to 1866, inclusive, figures of import values represent total imports less reexports, and for 1867 and later years imports entered for consumption. "Ratio of duties to total" is based upon values of imports shown in table. Figures cover fiscal years ending Sept. 30, 1821 to 1842, and June 30, 1843 to 1915; calendar years thereafter. See also *Historical Statistics*, series M 68–74]

Yearly average or year	Values				Duties calculated	Ratio of duties to total		Amount duties per capita
	Total	Free	Dutiable	Percent free		Free and dutiable	Dutiable	
	1,000 dollars	*1,000 dollars*	*1,000 dollars*		*1,000 dollars*	*Percent*	*Percent*	*Dollars*
1821–1830	56,749	3,325	53,424	5.86	26,282	46.31	49.20	2.32
1831–1840	104,139	39,680	64,459	38.10	24,509	23.53	38.02	1.63
1841–1850	110,561	20,347	90,214	18.40	26,738	24.18	29.64	1.32
1851–1860	267,871	40,685	227,186	15.19	54,511	20.35	23.99	1.99
1861–1870	315,637	35,676	279,961	11.30	120,042	38.03	42.88	3.32
1871–1880	522,653	133,480	389,173	25.54	163,201	31.23	41.94	3.58
1881–1890	682,681	220,986	461,695	32.37	205,580	30.11	44.53	3.59
1891–1900	749,584	371,837	377,747	49.61	177,580	23.69	47.01	2.53
1901–1910	1,142,514	522,123	620,391	45.70	280,955	24.59	45.29	3.32
1911–1915	1,698,028	966,141	731,887	56.89	283,408	16.69	38.72	2.91
1915–1920 [1]	3,289,748	2,262,412	1,027,336	68.77	227,035	6.90	22.10	2.17
1921–1925	3,422,748	2,088,932	1,333,816	61.03	478,911	13.99	35.90	4.22
1926–1930	4,020,350	2,645,610	1,374,740	65.81	550,743	13.70	40.06	4.52
1931–1935	1,704,294	1,075,585	628,709	63.11	314,477	18.45	50.02	2.46
1936–1940	2,440,042	1,475,825	964,217	60.48	365,151	14.96	37.87	2.76
1941–1945	3,475,593	2,293,945	1,181,648	66.00	379,704	10.92	32.13	[2] 2.73
1940	2,540,656	1,648,965	891,691	64.90	317,711	12.51	35.63	[2] 2.36
1941	3,221,954	2,030,919	1,191,035	63.03	437,750	13.59	36.75	[2] 3.23
1942	2,780,317	1,778,623	1,001,693	63.97	320,117	11.51	31.96	[2] 2.33
1943	3,390,101	2,192,852	1,197,249	64.68	392,540	11.57	32.79	[2] 2.82
1944	3,887,490	2,717,986	1,169,504	69.92	367,286	9.45	31.41	[2] 2.60
1945	4,098,101	2,749,345	1,348,756	67.09	380,827	9.29	28.24	[2] 2.67
1946	4,824,902	2,934,955	1,889,946	60.83	477,854	9.90	25.28	[2] 3.32
1947	5,666,321	3,454,647	2,211,674	60.97	(3)	(3)	(3)	(3)
1948	7,092,032	4,174,523	2,917,509	58.86	(3)	(3)	(3)	(3)
1949	6,598,058	3,886,254	2,711,805	58.90	(3)	(3)	(3)	(3)

[1] Period July 1, 1915, to Dec. 31, 1920.

[2] Based on estimated population including armed forces overseas.

[3] Not available.

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

No. **1024.**—Imported Dutiable Merchandise Entered for Consumption—Values, Calculated Duties, and Average Rate of Duty, by Tariff Schedules: 1930 to 1947

[**All figures except percentages in thousands of dollars** (for basis of dollar values, see general note, p. 827). Includes articles on which countervailing and antidumping duties are assessed. Free list commodities taxable under revenue acts excluded from various schedules since 1931. Percents represent average ad valorem rate or ratio of duties to values of dutiable merchandise]

YEAR	Values	Duties	Percent	Values	Duties	Percent	Values	Duties	Percent
	Schedule 1.—Chemicals, oils, and paints			Schedule 2.—Earths, earthenware, and glassware			Schedule 3.—Metals, and manufactures of		
1930	73,337	25,859	35.26	41,646	20,524	49.28	97,214	36,367	37.41
1931	52,913	20,279	38.33	25,694	13,421	52.23	58,518	23,062	39.41
1932	36,437	16,041	44.02	15,285	8,326	54.47	32,810	12,355	37.66
1933	42,296	18,286	43.23	16,444	9,012	54.80	45,116	17,081	37.86
1934	45,438	17,375	38.24	19,195	10,675	55.61	57,802	20,284	35.09
1935	66,105	28,205	42.67	22,853	11,636	50.92	68,013	23,305	34.27
1936	69,317	25,349	36.57	28,104	13,620	48.46	94,776	29,496	31.12
1937	83,316	29,265	35.13	36,954	18,067	48.89	114,020	37,135	32.57
1938	51,958	19,417	37.37	24,693	11,049	44.75	68,172	21,493	31.53
1939	56,586	19,634	34.70	25,369	10,794	42.55	80,728	25,749	28.70
1940	41,204	12,356	29.99	22,336	8,806	39.43	102,303	31,161	30.46
1941	48,695	13,201	27.29	25,857	7,742	29.94	126,095	43,435	34.45
1942	47,203	10,621	22.50	19,031	4,786	25.15	102,300	28,040	27.41
1943	41,480	7,634	18.40	18,399	4,071	22.13	120,054	31,434	26.18
1944	54,122	8,037	14.85	10,764	3,103	28.83	117,660	28,919	24.58
1945	71,859	10,051	13.99	14,760	3,884	26.31	150,019	38,496	25.66
1946	90,198	13,622	15.10	30,941	9,546	30.85	197,984	50,628	25.57
1947	119,282	16,578	13.90	44,308	13,643	30.79	246,376	51,079	20.73
	Schedule 4.—Wood, and manufactures of			Schedule 5.—Sugar, molasses, and manufactures of			Schedule 6.—Tobacco, and manufactures of		
1930	17,140	3,557	20.75	116,844	116,809	99.97	56,152	40,141	71.49
1931	12,749	2,389	18.74	74,819	99,631	133.16	43,201	32,310	74.79
1932	7,128	1,655	23.22	45,762	76,061	166.21	27,314	22,481	82.31
1933	14,191	3,026	21.32	44,540	67,408	151.34	24,754	21,542	87.02
1934	9,904	2,270	22.92	64,945	43,706	67.30	25,235	22,486	89.11
1935	12,657	2,923	23.09	94,953	39,985	42.11	25,974	21,958	84.54
1936	16,975	2,782	16.39	113,423	40,578	35.78	29,931	25,231	84.30
1937	19,861	3,188	16.05	126,645	45,371	35.83	31,776	24,213	76.20
1938	13,503	2,156	15.97	95,486	45,506	47.66	35,803	24,408	68.17
1939	17,002	2,096	12.33	90,543	46,218	51.05	35,999	23,927	66.47
1940	17,461	1,723	9.87	87,780	42,826	48.79	36,685	22,173	60.44
1941	36,039	2,536	7.04	145,375	63,586	43.74	38,026	23,017	60.53
1942	46,185	2,413	5.22	134,811	36,056	26.75	37,779	22,505	59.57
1943	27,852	1,642	5.90	194,349	55,730	28.68	43,209	23,044	53.33
1944	37,299	2,297	6.16	101,071	29,096	28.79	65,930	24,882	37.74
1945	44,563	2,867	6.43	35,418	10,430	29.45	82,278	28,253	34.34
1946	54,610	4,191	7.67	42,524	10,167	23.91	89,337	24,916	27.89
1947	42,112	3,073	7.30	436,404	67,280	15.42	92,367	25,757	27.89
	Schedule 7.—Agricultural products and provisions			Schedule 8.—Spirits, wines, and other beverages			Schedule 9.—Cotton manufactures		
1930	213,035	59,595	27.97	1,363	430	31.55	33,282	13,457	40.43
1931	134,337	56,613	42.14	1,273	376	29.54	28,553	13,595	47.45
1932	90,666	43,418	47.89	1,149	418	36.38	19,249	9,168	47.63
1933	103,941	46,189	44.44	9,179	7,414	80.77	22,660	10,845	47.86
1934	138,787	53,269	38.38	50,202	42,471	84.60	23,892	10,814	45.26
1935	219,133	87,559	39.96	42,384	39,326	92.79	27,136	10,852	39.99
1936	247,153	90,559	36.64	77,169	43,954	56.96	35,087	14,008	39.92
1937	310,156	106,775	34.43	74,973	46,093	61.48	44,052	17,155	38.94
1938	147,857	51,058	34.53	59,460	34,498	58.02	24,288	9,439	38.86
1939	173,808	56,419	32.46	59,076	34,206	57.90	27,284	9,841	36.07
1940	147,228	46,083	31.30	53,809	32,753	60.87	20,106	7,050	35.06
1941	173,113	56,818	32.82	49,635	30,186	60.82	15,003	5,002	33.34
1942	178,729	41,368	23.15	56,695	28,811	50.82	8,270	2,548	30.81
1943	248,557	40,526	16.30	83,094	61,563	74.09	8,946	2,707	30.26
1944	266,284	37,584	14.11	115,304	85,671	74.30	6,709	1,900	28.32
1945	314,005	42,542	13.55	67,923	45,340	66.75	26,066	4,533	17.39
1946	354,680	43,405	12.24	95,150	50,520	53.10	23,451	5,453	23.25
1947	311,800	36,347	11.66	67,305	31,718	47.13	15,986	4,921	30.78

No. 1024.—Imported Dutiable Merchandise Entered for Consumption—Values, Calculated Duties, and Average Rate of Duty, by Tariff Schedules: 1930 to 1947—Continued

[All figures except percentages in thousands of dollars]

Year	Schedule 10.—Flax, hemp, and jute, and manufactures of			Schedule 11.—Wool, and manufactures of			Schedule 12.—Silks, and manufactures of			Schedule 13.—Rayon and other synthetic textiles, and manufactures of		
	Values	Duties	Percent	Values	Duties	Percent	Values	Duties	Percent	Values	Duties	Percent
1930	95,570	20,571	21.52	70,357	40,877	58.10	20,620	11,854	57.49	2,453	1,564	63.76
1931	57,780	15,927	27.56	32,330	24,483	75.71	13,531	7,950	58.75	3,718	2,363	63.56
1932	37,473	11,652	31.09	15,771	13,270	84.14	4,698	2,774	59.05	2,049	1,247	60.86
1933	47,129	12,959	27.50	22,660	20,539	90.64	5,362	2,969	55.37	3,008	1,680	55.85
1934	53,547	13,271	24.78	21,648	17,187	79.39	4,624	2,586	55.93	1,096	794	72.45
1935	62,430	15,083	24.16	28,857	23,510	81.47	6,039	3,557	58.90	1,730	831	48.03
1936	68,147	16,819	24.68	59,298	44,687	75.36	6,833	3,810	55.76	5,209	2,197	42.18
1937	77,656	19,029	24.50	82,560	51,617	62.52	8,736	4,756	54.44	7,499	3,240	43.21
1938	49,402	12,092	24.48	27,418	18,531	67.59	6,185	3,327	53.79	6,041	2,274	37.64
1939	54,765	10,829	19.77	49,271	33,624	68.24	5,286	2,776	52.52	10,210	3,090	30.26
1940	68,033	10,255	15.07	77,829	51,601	66.30	4,074	2,148	52.72	3,898	1,260	32.32
1941	69,846	9,526	13.64	185,672	123,118	66.31	2,829	1,457	51.50	2,550	753	29.53
1942	52,309	6,639	12.69	178,771	112,973	63.19	855	411	48.07	202	81	40.10
1943	40,635	4,857	11.95	218,316	134,360	61.54	438	209	47.72	219	113	51.60
1944	10,047	2,252	22.41	179,016	114,379	63.89	598	307	51.34	362	198	54.70
1945	17,863	3,982	22.29	229,513	144,039	62.76	1,928	927	48.08	2,529	1,252	49.51
1946	106,202	15,394	14.50	276,042	167,759	60.77	5,159	2,459	47.66	15,819	5,341	33.76
1947	149,880	13,878	9.26	199,090	95,072	47.75	10,930	5,272	48.23	15,686	4,623	29.47

Year	Schedule 14.—Pulp, paper, and books			Schedule 15.—Sundries			Free-list commodities taxable under Revenue Act of 1932 and subsequent acts,[1] dutiable under section 466, Tariff Act of 1930, etc.		
	Values	Duties	Percent	Values	Duties	Percent	Values	Duties	Percent
1930	19,428	5,024	25.86	174,340	65,170	37.38	173	86	49.71
1931	12,927	3,361	26.00	143,947	54,846	38.10	363	165	45.45
1932	8,187	2,183	26.66	80,757	33,453	41.42	14,823	5,098	34.39
1933	8,497	2,221	26.14	92,172	32,318	35.06	27,518	10,191	37.03
1934	9,482	2,346	24.74	85,185	31,647	37.15	33,862	9,987	29.49
1935	11,118	2,697	24.26	111,030	36,172	32.58	32,011	10,008	31.26
1936	13,201	3,029	22.95	136,546	41,545	30.43	37,049	10,396	28.06
1937	15,113	3,324	21.99	169,064	49,246	29.13	41,153	12,033	29.24
1938	11,970	2,531	21.14	110,444	33,959	30.75	33,285	9,636	28.95
1939	11,461	2,152	18.78	133,270	35,245	26.45	38,394	11,753	30.61
1940	7,550	1,278	16.93	114,957	29,558	25.71	86,582	17,235	19.91
1941	13,041	2,791	20.46	132,757	25,438	19.16	126,091	29,901	23.71
1942	9,534	1,643	17.23	96,819	13,411	13.85	40,185	6,183	15.39
1943	7,432	1,029	13.85	115,815	17,457	15.07	38,505	5,163	13.41
1944	7,711	1,038	13.46	118,006	21,069	17.85	73,677	7,502	10.18
1945	8,773	1,260	14.36	170,234	33,008	19.39	112,430	11,347	10.09
1946	15,692	1,980	12.62	334,444	60,854	18.20	156,996	16,626	10.59
1947	23,304	3,186	13.67	207,728	39,468	19.00	231,207	15,784	6.83

[1] Taxes collected on dutiable commodities under revenue acts and Sugar Act of 1937 are included in appropriate schedules.

Source: Treasury Department, Bureau of Customs; Annual Report of the Secretary.

No. 1025.—Imports of Merchandise, Free and Dutiable, and Percent Free, by Economic Classes: 1821 to 1949

[**In thousands of dollars.** For basis of dollar values, see general note, p. 827. Figures cover fiscal years ending Sept. 30, 1821 to 1840, and June 30, 1850 to 1915; calendar years thereafter, except as noted. Data are "general imports" through 1933; "imports for consumption" beginning 1934. Percentage free in general imports is normally slightly lower than in imports for consumption because relatively more of dutiable general imports are reported as reexported than of free general imports. Moreover, in the period 1922–1933, there is an understatement of free goods in general imports because, *for 1922 to 1933, carpet wool used for making carpets and, for* 1922 to 1928, wheat imported for milling in bond for exports were reported as dutiable when entered, although no duty was ultimately paid on these products. For adjusted figures see table 492 of 1935 issue of *Statistical Abstract*. See also *Historical Statistics*, series M 75–86]

Year or yearly average	Total			Crude materials			Crude foodstuffs and food animals		
	Free	Dutiable	Percent free	Free	Dutiable	Percent free	Free	Dutiable	Percent free
1821	2,018	52,504	3.7	1,475	1,066	58.1	----------	6,082	----------
1830	4,590	58,131	7.3	3,348	1,450	69.8	----------	7,382	----------
1840	48,314	49,946	49.2	9,780	2,360	80.6	15,214	60	99.6
1850	18,082	155,428	10.4	602	11,954	4.8	15,803	2,208	87.7
1851–1860	44,730	239,745	15.7	6,455	20,938	23.6	30,165	3,121	90.6
1861–1870	38,388	293,479	11.6	10,335	31,605	24.6	10,904	34,358	24.1
1871–1880	129,985	405,237	24.3	54,492	37,775	59.1	59,916	25,615	70.1
1881–1890	223,628	468,559	32.3	98,173	49,680	66.4	83,274	22,980	78.4
1891–1900	372,244	391,084	48.8	160,651	41,239	79.6	106,584	22,593	82.5
1901–1910	520,831	637,670	45.0	295,690	98,969	74.9	109,577	27,098	80.2
1911–1915	961,439	750,880	56.1	491,948	105,753	82.3	181,170	37,865	82.7
1915–1920 [1]	2,258,608	1,099,747	67.3	1,195,593	152,074	88.7	349,926	58,226	85.7
1921–1925	2,060,303	1,389,800	59.7	1,036,581	253,794	80.3	302,242	80,297	79.0
1926–1930	2,597,197	1,436,271	64.4	1,228,971	255,152	82.8	407,540	99,075	80.4
1931–1935	1,067,145	640,430	62.4	380,639	111,703	77.4	220,717	44,532	83.2
1936–1940	1,475,825	964,217	60.5	627,289	179,946	77.7	238,355	81,247	74.6
1941–1945	2,293,945	1,181,648	66.0	777,319	369,839	67.8	434,555	134,158	76.4
1941	2,030,919	1,191,035	63.0	998,216	378,224	72.5	299,095	77,084	79.5
1942	1,778,623	1,001,693	64.0	731,316	329,397	69.0	276,127	72,450	79.2
1943	2,192,852	1,197,249	64.7	683,836	353,550	66.0	437,939	146,288	75.0
1944	2,717,986	1,169,504	69.9	727,410	350,763	67.5	658,129	183,219	78.2
1945	2,749,345	1,348,756	67.1	745,819	437,262	63.0	501,485	191,751	72.3
1946	2,934,955	1,889,946	60.8	1,166,749	562,325	67.8	652,307	162,095	80.1
1947	3,454,647	2,211,674	61.0	1,181,334	584,826	66.9	878,625	138,150	86.4
1948	4,174,523	2,917,509	58.9	1,358,492	788,515	63.3	1,030,523	232,088	81.7
1949	3,886,254	2,711,805	58.9	1,127,864	727,282	60.8	1,097,370	235,831	82.3

Year or yearly average	Manufactured foodstuffs [2]			Semimanufactures			Finished manufactures		
	Free	Dutiable	Percent free	Free	Dutiable	Percent free	Free	Dutiable	Percent free
1821	----------	10,821	----------	488	3,591	12.0	55	30,944	0.2
1830	----------	9,654	----------	1,211	3,942	23.5	31	35,703	.1
1840	1,021	14,168	6.7	4,962	6,394	43.7	17,337	26,963	39.1
1850	----------	21,466	----------	764	25,399	2.9	911	94,401	1.0
1851–1860	2,426	41,477	5.5	3,419	32,140	9.6	2,265	142,067	1.6
1861–1870	3,259	59,738	5.2	7,351	38,337	16.1	6,540	129,442	4.8
1871–1880	1,808	109,105	1.6	7,686	62,156	11.0	6,084	170,587	3.4
1881–1890	11,452	111,527	9.3	17,192	85,143	16.8	13,538	199,230	6.4
1891–1900	55,514	73,911	42.9	30,090	75,830	28.4	19,427	177,512	9.9
1901–1910	4,344	135,095	3.1	81,071	119,623	40.4	30,150	256,886	10.5
1911–1915	25,626	189,517	11.9	167,863	129,612	56.4	94,832	288,131	24.8
1915–1920 [1]	73,142	471,407	13.4	424,243	150,177	73.9	215,704	267,862	44.6
1921–1925	56,620	391,469	12.6	411,802	197,423	67.6	253,058	466,817	35.2
1926–1930	73,706	324,603	18.5	543,245	218,789	71.3	343,735	538,650	39.0
1931–1935	72,466	164,332	30.6	218,078	101,523	68.2	175,245	218,340	44.5
1936–1940	73,466	272,056	21.3	337,516	173,434	66.1	199,199	257,532	43.6
1941–1945	129,910	270,159	32.5	516,375	218,778	70.2	435,786	188,713	69.8
1941	59,262	262,796	18.4	455,542	268,684	62.9	218,804	204,247	51.7
1942	26,471	248,035	9.6	446,715	192,791	69.9	297,994	159,020	65.2
1943	69,647	351,510	16.5	497,648	179,858	73.4	503,782	166,043	75.2
1944	240,845	280,134	46.2	515,095	191,141	72.9	576,507	164,248	77.8
1945	253,324	208,320	54.9	666,876	261,415	71.8	581,841	250,009	69.9
1946	221,333	282,618	43.9	489,524	441,075	52.6	405,042	441,838	47.8
1947	39,127	616,571	6.0	825,133	419,775	66.3	530,428	452,353	54.0
1948	80,934	650,239	11.1	993,285	639,856	60.8	702,289	606,811	53.6
1949	98,328	643,305	13.3	869,793	552,182	61.2	692,899	553,206	55.6

[1] Period July 1, 1915, to Dec. 31, 1920.

[2] Includes beverages.

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

No. 1026.—Imports for Consumption, Free and Dutiable, and Duties Collected, by Principal Countries: 1945 and 1946

[Figures except percentages in thousands of dollars]

Country	Value of imports						Duties collected on dutiable and taxable articles	
	1945			1946				
	Free	Dutiable	Percent free	Free	Dutiable	Percent free	1945	1946
Grand total	2,749,345	1,348,756	67.1	2,934,955	1,889,946	60.8	382,212	482,860
Northern North America	827,573	315,792	72.4	608,729	297,986	67.1	47,492	47,029
Canada	810,543	313,034	72.1	591,072	290,261	67.1	47,193	46,131
Newfoundland and Labrador	14,871	2,733	84.5	16,837	7,714	68.6	290	740
Other [1]	2,159	25	98.9	820	11	98.7	9	158
Southern North America	523,104	221,731	70.2	451,684	263,020	63.2	61,771	52,578
Mexico	125,012	105,644	54.2	93,272	124,350	42.9	21,756	20,386
Central American countries	71,251	1,968	97.3	80,088	2,653	96.8	210	315
Cuba	231,635	98,788	70.1	214,105	103,679	67.4	35,809	26,562
Other West Indies and Bermudas	95,205	15,332	86.1	64,219	32,338	66.5	3,996	6,315
South America	663,172	285,492	69.9	750,687	354,328	67.9	84,677	87,617
Argentina	77,872	77,432	50.1	73,132	116,397	38.6	31,241	38,767
Bolivia	44,015	511	98.9	44,463	1,265	97.2	237	689
Brazil	257,187	50,555	83.6	352,356	53,357	86.8	7,303	8,175
Chile	124,105	9,486	92.9	68,638	14,776	82.3	4,633	5,846
Colombia	92,760	10,108	90.2	141,972	14,197	90.9	931	1,221
Ecuador	7,497	6,309	54.3	6,507	6,399	50.4	650	755
Peru	24,873	7,605	76.6	19,391	13,747	58.5	2,435	2,721
Uruguay	15,366	46,173	25.0	13,037	37,462	25.8	29,302	19,970
Venezuela	15,254	69,075	18.1	28,995	88,051	24.8	6,947	8,358
Other	4,244	8,236	34.0	2,195	8,680	20.2	998	1,115
Europe	168,798	238,181	41.5	272,003	487,797	35.8	74,073	132,002
Belgium	865	14,781	5.5	5,881	70,736	7.7	1,511	9,280
Czecho-Slovakia	5	247	1.9	799	16,371	4.7	52	5,332
Denmark	66	187	26.0	1,548	2,422	39.0	67	424
Finland	3	2	61.5	9,731	2,431	80.0	1	542
France	7,190	4,989	59.0	16,115	39,190	29.1	1,280	12,194
Germany	1,020	240	80.9	409	2,467	14.2	48	613
Greece	254	1,287	16.5	1,348	6,916	16.3	688	1,796
Italy	4,886	478	91.1	32,344	30,979	51.1	77	9,624
Netherlands	494	4,846	9.3	2,197	20,591	9.6	370	2,438
Norway	517	741	41.1	2,910	9,959	22.6	105	2,133
Poland and Danzig	1	(2)	93.7	155	10	93.7	--------	4
Spain	8,720	48,423	15.3	4,832	44,325	9.8	11,464	9,366
Sweden	43,418	2,782	94.0	34,691	12,106	74.1	584	2,683
Switzerland	1,808	80,489	2.2	4,041	93,626	4.1	29,985	32,956
United Kingdom	34,655	56,006	38.2	47,441	108,707	30.4	20,929	35,370
U. S. S. R. (Russia) [3]	51,530	4,711	91.6	88,988	7,521	92.2	1,161	1,526
Other [1]	13,368	17,973	42.7	18,573	19,441	48.9	5,751	5,721
Asia	265,293	122,860	68.3	608,646	253,031	70.6	29,190	49,084
British India and Burma	137,098	35,671	79.4	127,276	107,692	54.2	5,236	13,146
British Malaya	5,724	--------	100.0	128,677	393	99.7	--------	44
Ceylon	66,143	652	99.0	30,812	1,052	96.7	66	107
China	5,721	279	95.3	48,086	39,019	55.2	64	7,794
Netherlands Indies	209	2,714	7.2	36,140	2,547	93.4	2,115	1,357
Hong Kong	(2)	--------	100.0	412	1,059	28.0	--------	204
Japan	1	134	.4	79,365	1,559	98.1	17	223
Philippine Islands	791	(2)	100.0	39,865	25	99.9	--------	12
Turkey	5,281	49,073	9.7	8,496	51,096	14.1	14,363	15,142
Other	44,325	34,336	56.3	109,517	47,989	69.5	7,329	11,055
Oceania	50,027	113,685	30.6	50,202	125,123	28.6	69,679	81,334
Australia	24,755	96,191	20.5	31,455	107,314	22.7	59,083	69,490
New Zealand	16,362	16,995	49.1	16,113	17,318	48.2	10,520	11,805
Other	8,910	498	94.7	2,634	492	84.3	76	39
Africa	251,380	51,016	83.1	193,004	108,660	64.0	15,330	33,216
British West Africa	33,552	2,542	93.0	1,120	11	99.0	1,148	1,536
Egypt	9,434	5,773	62.0	1,540	25,260	5.7	636	2,343
Other	208,393	42,702	83.0	190,344	83,389	69.5	13,546	29,337

[1] Iceland included in Europe. [2] Less than $500. [3] Includes U. S. S. R. in Asia.

Source: Value of imports, Department of Commerce, Bureau of Census; annual report, Foreign Commerce and Navigation of the United States, and records. Duties, Treasury Department, Bureau of Customs.