

**TABLE Dd366-436 Physical output of selected manufactured products: 1860-1997<sup>1</sup>**

Contributed by Jeremy Atack and Fred Bateman

Year	Food and kindred products														Textile mill products	
	Canned goods				Fats and oils				Beverages				Tobacco products		Finished knit cloth	Carpets and rugs
	Corn	Tomatoes	Wheat flour	Refined sugar	Crude soybean oil	Shortening and salad and cooking oils	Beer	Total	Beverage	Manufactured tobacco and snuff	Cigars	Cigarettes				
DD366	DD367	DD368	DD369	DD370	DD371	DD372	DD373	DD374	DD375	DD376	DD377	DD378	DD379			
Thousand cases	Thousand cases	Thousand short tons	Thousand short tons	Million pounds	Million pounds	Thousand barrels	Thousand gallons	Thousand gallons	Million pounds	Million	Million	Thousand pounds	Thousand square yards			
1860	—	—	3,900	394	—	—	—	—	—	—	—	—	—			
1861	—	—	4,077	489	—	—	—	—	—	—	—	—	—			
1862	—	—	4,155	295	—	—	—	—	—	—	—	—	—			
1863	—	—	4,165	304	—	—	—	—	—	—	—	—	—			
1864	—	—	4,155	283	—	—	—	—	—	—	—	—	—			
1865	—	—	4,165	367	—	—	—	—	—	—	—	—	—			
1866	—	—	4,194	443	—	—	—	—	—	—	—	—	—			
1867	—	—	4,341	421	—	—	—	—	—	—	—	—	—			
1868	—	—	4,400	575	—	—	—	—	—	—	—	—	—			
1869	—	—	4,586	627	—	—	—	—	—	—	—	—	—			
1870	—	—	4,694	598	—	—	6,600	72,600	102	1,183	16	—	—			
1871	—	—	4,802	707	—	—	7,700	57,000	107	1,353	20	—	—			
1872	—	—	4,822	727	—	—	8,700	69,400	112	1,578	24	—	—			
1873	—	—	5,027	763	—	—	9,600	71,200	118	1,755	28	—	—			
1874	—	—	5,253	819	—	—	9,600	69,600	124	1,835	35	—	—			
1875	—	—	5,331	821	—	—	9,500	62,700	124	1,828	59	—	—			
1876	—	—	5,498	792	—	—	9,900	58,600	124	1,776	113	—	—			
1877	—	—	5,537	849	—	—	9,800	61,400	123	1,816	157	—	—			
1878	—	—	5,860	889	—	—	10,200	57,300	125	1,923	210	—	—			
1879	—	—	6,066	855	—	—	11,100	72,900	136	2,217	371	—	—			
1880	—	—	6,301	994	—	—	13,300	91,400	146	2,510	533	—	—			
1881	—	—	6,429	970	—	—	14,300	119,500	172	2,806	595	—	—			
1882	—	—	6,644	1,184	—	—	17,000	107,300	159	3,118	599	—	—			
1883	—	—	6,938	1,233	—	—	17,800	75,300	194	3,232	844	—	—			
1884	—	—	7,105	1,366	—	—	19,000	76,500	172	3,373	920	—	—			
1885	1,062	2,362	7,252	1,456	—	—	19,200	76,400	207	3,294	1,080	—	—			
1886	1,675	3,921	7,419	1,475	—	—	20,700	81,800	210	3,462	1,607	—	—			
1887	2,276	4,720	7,791	1,507	—	—	23,100	79,400	226	3,662	1,865	—	—			
1888	3,437	5,580	7,791	1,524	—	—	24,700	71,700	209	3,668	2,212	—	—			
1889	1,726	5,022	7,918	1,585	—	—	25,100	91,100	246	3,787	2,413	—	—			
1890	1,523	5,280	8,163	1,617	—	—	27,600	111,100	253	4,229	2,505	—	—			
1891	2,837	5,660	8,457	2,035	—	—	30,500	117,800	271	4,422	3,137	—	—			
1892	3,417	5,502	9,026	2,055	—	—	31,900	118,400	274	4,675	3,282	—	—			
1893	4,184	7,337	9,065	2,025	—	—	34,600	131,000	251	4,341	3,661	—	—			
1894	3,278	10,971	9,183	2,141	—	—	33,400	92,200	269	4,164	3,621	—	—			
1895	2,992	6,888	9,173	1,981	—	—	33,600	81,900	274	4,099	4,238	—	—			
1896	2,539	5,845	9,457	1,979	—	—	35,900	90,000	261	4,048	4,967	—	—			
1897	2,787	6,767	9,379	2,121	—	—	34,500	64,300	297	4,136	4,927	—	—			
1898	4,315	9,651	9,829	2,054	—	—	37,500	83,700	275	4,459	4,843	—	—			
1899	6,366	14,852	10,192	2,289	—	—	36,700	100,200	295	4,910	4,367	—	76,410			

Notes appear at end of table

(continued)

TABLE Dd366-436 Physical output of selected manufactured products: 1860-1997 *Continued*

Year	Food and kindred products												Textile mill products	
	Canned goods				Fats and oils		Beverages			Tobacco products			Finished knit cloth	Carpets and rugs
	Corn	Tomatoes	Wheat flour	Refined sugar	Crude soybean oil	Shortening and salad and cooking oils	Beer	Distilled spirits		Manufactured tobacco and snuff	Cigars	Cigarettes		
								Total	Beverage					
	Dd366	Dd367	Dd368	Dd369	Dd370	Dd371	Dd372	Dd373	Dd374	Dd375	Dd376	Dd377	Dd378	Dd379
Thousand cases	Thousand cases	Thousand short tons	Thousand short tons	Million pounds	Million pounds	Thousand barrels	Thousand gallons	Thousand gallons	Million pounds	Million	Million	Thousand pounds	Thousand square yards	
1900	6,486	9,385	10,368	2,429	—	—	39,500	109,200	—	301	5,566	3,870	—	—
1901	5,028	7,227	10,623	2,578	—	—	40,600	128,600	—	314	6,139	3,503	—	—
1902	4,191	15,810	10,692	2,863	—	—	44,600	132,800	—	348	6,232	3,647	—	—
1903	4,861	17,335	10,956	2,734	—	—	46,700	148,200	—	351	6,806	3,959	—	—
1904	11,163	16,065	10,261	2,981	—	—	48,300	139,500	—	354	6,640	4,170	—	82,671
1905	13,019	9,517	10,329	2,850	—	—	49,500	153,300	—	368	6,748	4,477	—	—
1906	9,137	14,733	10,731	3,217	—	—	54,700	150,100	—	391	7,148	5,502	—	—
1907	6,654	22,051	10,927	3,226	—	—	58,600	174,700	—	388	7,302	6,345	—	—
1908	6,779	19,595	10,760	3,240	—	—	58,800	133,900	—	408	6,489	6,833	—	—
1909	5,787	18,750	10,535	3,493	—	—	56,300	139,900	—	431	6,668	7,880	—	81,219
1910	10,063	15,764	10,506	3,659	—	—	59,500	163,900	—	447	6,810	9,782	—	—
1911	14,301	16,642	10,858	3,675	—	—	63,300	183,400	—	424	7,049	11,700	—	—
1912	13,109	23,936	10,858	3,952	—	—	62,200	187,600	—	435	7,044	14,239	—	—
1913	7,283	24,250	11,133	4,137	—	—	65,300	193,600	—	444	7,572	16,530	—	—
1914	9,789	25,984	11,270	4,309	—	—	66,200	181,900	—	441	7,174	17,944	—	—
1915	10,124	14,457	11,682	—	—	—	59,800	140,700	—	442	6,599	18,945	—	66,340
1916	9,130	22,433	11,633	—	—	—	58,600	253,300	—	466	7,042	26,203	—	—
1917	10,803	25,735	11,348	—	—	—	60,800	286,100	—	483	7,560	36,323	—	—
1918	11,722	27,111	11,309	—	—	—	50,300	178,800	—	497	7,054	47,528	—	—
1919	13,550	18,452	12,005	4,739	—	—	27,700	100,800	—	424	7,072	53,865	—	52,182
1920	15,040	19,405	12,779	—	—	—	9,200	101,300	—	413	8,097	48,091	—	—
1921	8,843	6,857	9,526	4,793	—	—	9,200	87,900	—	387	6,726	52,770	—	52,906
1922	11,419	19,695	11,152	—	1	784	5,300	82,200	—	420	6,722	56,413	—	—
1923	14,106	25,045	11,241	5,179	1	751	6,300	124,600	—	413	6,950	67,239	—	83,242
1924	12,131	21,370	11,633	—	1	830	4,900	137,500	—	414	6,598	73,256	—	—
1925	24,320	33,747	11,515	6,486	3	1,153	5,100	167,500	—	414	6,463	82,712	—	72,100
1926	19,069	16,140	11,388	—	3	1,141	4,900	203,800	—	411	6,499	92,523	—	—
1927	10,347	22,425	11,956	6,023	3	1,179	4,400	185,500	—	396	6,519	100,260	—	67,193
1928	14,497	14,575	11,819	—	5	1,143	4,200	170,500	—	386	6,373	109,131	—	—
1929	17,487	24,146	12,113	6,188	11	1,220	3,900	203,300	—	381	6,519	122,822	—	73,411
1930	15,692	29,015	—	—	14	1,211	3,681	197,221	—	372	5,894	124,193	—	—
1931	19,415	16,341	11,270	5,586	39	1,172	3,137	170,394	—	371	5,348	117,402	—	44,181
1932	9,358	20,367	—	—	39	945	2,766	150,391	—	347	4,383	106,915	—	—
1933	10,193	20,461	9,526	5,566	27	953	9,798	123,405	—	342	4,300	115,087	41,484	41,876
1934	11,268	22,376	—	5,128	35	1,204	37,678	241,610	101,612	346	4,526	130,287	—	—
1935	21,471	26,985	10,427	5,446	105	1,547	45,229	349,772	183,668	343	4,685	140,147	49,587	59,152
1936	14,621	24,414	10,878	5,591	225	1,587	51,812	449,994	274,108	348	5,172	159,076	—	—
1937	23,541	26,235	10,721	5,842	194	1,595	58,748	482,138	299,207	341	5,303	170,171	76,377	64,799
1938	20,470	23,131	10,956	5,954	323	1,514	56,340	351,190	183,288	345	5,015	171,842	—	—
1939	14,567	24,465	11,182	5,875	458	1,404	53,871	346,344	166,763	343	5,198	180,828	79,756	63,676

Year	Food and kindred products												Textile mill products	
	Canned goods				Fats and oils		Beverages			Tobacco products			Finished knit cloth	Carpets and rugs
	Corn	Tomatoes	Wheat flour	Refined sugar	Crude soybean oil	Shortening and salad and cooking oils	Beer	Distilled spirits		Manufactured tobacco and snuff	Cigars	Cigarettes	Dd378	Dd379
	Dd366	Dd367	Dd368	Dd369	Dd370	Dd371	Dd372	Dd373	Dd374	Dd375	Dd376	Dd377	Thousand pounds	Thousand square yards
	Thousand cases	Thousand cases	Thousand short tons	Thousand short tons	Million pounds	Million pounds	Thousand barrels	Thousand gallons	Thousand gallons	Million pounds	Million	Million		
1940	15,524	29,533	10,868	6,049	533	1,190	54,892	387,183	159,707	344	5,370	189,373	—	—
1941	26,109	31,759	11,045	6,719	586	1,409	55,214	474,054	192,416	342	5,610	218,083	—	—
1942	32,118	41,252	11,231	4,819	762	1,300	63,717	675,959	254,815	330	5,841	257,657	—	—
1943	28,755	29,269	12,034	5,318	1,234	1,438	71,018	772,267	246,262	327	5,363	296,305	112,560	—
1944	25,089	26,099	12,289	6,080	1,246	1,364	81,726	1,011,763	—	307	5,199	323,734	107,908	—
1945	28,237	16,758	13,828	5,602	1,392	1,441	86,604	1,174,391	87,515	331	5,275	332,345	129,958	—
1946	30,951	23,857	14,034	5,112	1,454	1,451	84,978	634,454	225,077	253	5,618	350,132	146,666	—
1947	26,089	27,709	15,357	6,877	1,543	1,375	87,857	563,956	219,656	242	5,488	369,763	153,778	91,160
1948	31,483	24,393	14,034	6,101	1,604	1,441	91,291	576,409	270,587	245	5,645	386,916	—	—
1949	29,795	21,537	11,789	6,618	1,859	1,487	89,736	617,558	291,722	239	5,453	385,046	147,853	—
1950	18,241	21,108	11,309	7,333	2,075	1,710	88,807	521,770	194,025	235	5,468	391,956	162,803	—
1951	25,576	31,770	11,525	6,638	2,473	1,403	88,976	846,388	342,768	227	5,664	418,803	148,747	—
1952	32,329	27,981	11,466	6,910	2,478	1,611	89,601	689,256	69,294	220	5,892	435,549	170,518	—
1953	30,982	22,334	11,162	6,950	2,515	1,675	90,434	619,456	135,240	209	5,973	423,070	164,193	—
1954	30,619	21,827	11,123	7,533	2,378	1,961	92,561	563,496	167,319	204	5,882	401,849	165,030	128,023
1955	24,075	24,727	11,329	7,380	2,827	1,975	89,791	593,982	194,888	199	5,834	412,309	181,884	77,822 <sup>2</sup>
1956	35,668	29,883	11,525	7,766	3,200	1,842	90,698	720,754	217,814	185	5,830	424,247	186,458	83,177 <sup>2</sup>
1957	31,533	21,686	11,976	7,575	3,475	1,809	89,882	650,366	207,946	179	5,952	442,328	193,518	99,651 <sup>2</sup>
1958	27,075	30,465	12,426	7,895	3,943	2,006	89,011	718,848	244,316	180	6,395	470,068	210,635	166,737
1959	33,810	24,126	12,554	8,041	4,344	4,061	90,974	754,539	271,797	176	7,298	489,865	243,042	132,523 <sup>2</sup>
1960	28,926	25,413	12,779	8,355	4,392	4,228	94,548	803,751	273,258	173	6,937	506,127	247,671	151,984 <sup>2</sup>
1961	37,857	27,908	13,034	8,420	4,442	4,580	93,496	801,799	248,439	173	6,648	518,031	276,048	178,625 <sup>2</sup>
1962	37,510	29,144	13,122	8,937	4,889	5,221	96,418	809,518	292,767	169	6,843	529,883	314,597	268,235
1963	36,205	27,094	13,014	8,873	5,053	4,945	97,961	800,830	266,648	168	6,657	543,688	345,607	305,470
1964	30,792	29,873	13,093	9,298	4,944	5,510	103,018	838,978	273,750	180	8,648	534,973	416,642	357,653
1965	32,075	29,532	12,534	9,213	5,236	5,566	108,015	865,240	275,616	167	8,883	562,368	450,128	411,220
1966	37,331	26,783	12,662	9,332	5,811	6,136	109,736	889,352	306,813	162	7,992	562,667	558,617	445,527
1967	40,400	32,084	12,270	9,419	6,150	6,148	116,564	873,010	301,949	158	7,303	572,790	603,951	467,909
1968	48,608	39,706	12,711	10,049	6,150	6,308	117,524	905,459	331,306	159	7,696	570,748	698,124	546,840
1969	40,497	26,270	12,711	9,908	6,805	6,624	122,657	985,641	336,456	161	7,499	573,002	744,003	597,885
1970	38,536	31,994	12,652	10,424	8,086	6,977	134,654	917,457	355,240	165	7,979	562,154	782,279	633,662
1971	—	—	12,491	10,529	8,082	7,015	134,092	715,251	231,161	154	7,868	585,057	937,401	755,159
1972	—	—	12,522	10,607	8,084	7,438	140,327	764,351	282,864	154	8,009	592,579	1,067,394	934,945
1973	—	—	12,733	10,491	7,540	9,157	143,014	859,152	281,520	152	11,422	615,563	1,992,672	1,025,389
1974	—	—	12,555	10,618	8,705	10,499	153,053	821,577	258,291	153	8,723	651,954	1,952,724	939,133
1975	—	—	12,949	9,429	7,862	10,448	157,870	717,550	277,524	152	8,324	626,760	1,911,841	834,037
1976	—	—	13,754	10,302	9,640	11,275	160,663	667,682	244,145	153	6,702	688,173	1,790,878	920,996
1977	—	—	13,789	10,277	8,837	11,067	169,745	656,128	224,926	155	5,848	672,640	1,715,438	1,024,572
1978	—	—	13,898	9,809	8,837	11,845	176,347	676,723	267,534	156	5,654	687,989	1,720,521	1,162,256
1979	—	—	14,203	9,608	11,323	12,283	182,741	720,342	246,786	159	5,149	706,976	1,865,573	1,206,030

Notes appear at end of table

(continued)

TABLE Dd366-436 Physical output of selected manufactured products: 1860-1997 *Continued*

Year	Food and kindred products												Textile mill products	
	Canned goods				Fats and oils		Beverages			Tobacco products			Finished knit cloth	Carpets and rugs
	Corn	Tomatoes	Wheat flour	Refined sugar	Crude soybean oil	Shortening and salad and cooking oils	Beer	Distilled spirits		Manufactured tobacco and snuff	Cigars	Cigarettes		
								Total	Beverage					
	Dd366	Dd367	Dd368	Dd369	Dd370	Dd371	Dd372	Dd373	Dd374	Dd375	Dd376	Dd377	Dd378	Dd379
Thousand cases	Thousand cases	Thousand short tons	Thousand short tons	Million pounds	Million pounds	Thousand barrels	Thousand gallons	Thousand gallons	Million pounds	Million	Million	Thousand pounds	Thousand square yards	
1980	—	—	14,133	10,014	12,105	12,498	192,966	784,005	253,007	163	4,882	701,594	1,724,721	1,058,404
1981	—	—	14,198	10,118	11,270	12,564	194,542	752,556	336,321	163	5,020	743,721	1,420,485	990,619
1982	—	—	14,545	8,679	10,979	13,175	193,984	689,440	267,747	162	4,520	711,493	1,308,737	885,811
1983	—	—	15,579	8,098	12,040	13,304	195,664	839,305	779,640	161	4,315	668,089	1,510,425	1,090,071
1984	—	—	14,992	9,100	10,872	14,138	193,416	735,337	674,170	163	4,520	657,383	1,585,292	1,114,920
1985	—	—	15,691	8,164	11,470	11,382	193,795	795,823	754,555	158	4,190	664,752	1,496,557	1,159,155
1986	—	—	16,316	8,347	11,617	11,477	193,991	721,683	675,305	148	3,806	662,169	1,744,654	1,257,906
1987	—	—	17,078	8,872	12,798	11,079	196,169	795,558	730,724	144	3,454	677,964	1,840,788	1,263,302
1988	—	—	17,208	8,418	12,975	11,858	197,441	844,938	790,786	141	3,258	698,980	1,459,789	1,326,693
1989	—	—	17,138	8,811	11,737	11,938	198,011	1,009,298	923,851	141	3,098	680,395	1,998,044	1,365,498
1990	—	—	17,717	9,137	13,003	11,684	201,691	1,202,687	1,095,606	136	3,193	700,579	2,015,610	1,360,043
1991	—	—	18,116	9,296	13,686	11,831	203,707	1,291,584	1,188,482	142	3,034	707,759	1,948,198	1,255,876
1992	—	—	18,541	9,342	14,250	12,211	201,989	1,423,467	1,325,053	141	3,114	703,134	2,080,534	1,419,167
1993	—	—	19,371	9,009	13,789	12,994	202,277	1,417,556	1,296,575	137	3,064	687,326	2,184,283	1,491,453
1994	—	—	19,626	9,542	14,336	12,881	202,805	1,487,082	1,333,431	135	3,120	687,223	2,211,798	1,574,703
1995	—	—	19,434	9,741	15,636	12,700	200,302	1,548,858	—	135	3,470	756,931	2,130,635	1,570,025
1996	—	—	—	—	—	—	—	—	—	—	—	—	—	—
1997	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Year	Textile mill products				Chemicals and allied products						Refined petroleum products				
	Yarns		Apparel		Sodium hydroxide (caustic soda)	Sulfuric acid	Paints, varnishes, and lacquers	Anhydrous ammonia	Ammonia aqua	Superphosphates	Light products of distillation	Illuminating oils (kerosene)	Lubricating		
	Rayon and acetate	Noncellulosic	Men's and boys' suits and coats	Women's, misses', and juniors' dresses									Fuel oils	oils	Paraffin wax
	Dd380	Dd381	Dd382	Dd383	Dd384	Dd385	Dd386	Dd387	Dd388	Dd389	Dd390	Dd391	Dd392	Dd393	Dd394
	Million pounds	Million pounds	Thousand	Thousand	Thousand short tons	Thousand short tons	Million gallons	Thousand short tons	Thousand short tons	Thousand short tons	Million barrels	Million barrels	Million barrels	Million barrels	Thousand barrels
1860	—	—	—	—	—	—	—	—	1	—	—	—	—	—	
1861	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
1862	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
1863	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
1864	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
1865	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
1866	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
1867	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
1868	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
1869	—	—	—	—	—	—	—	—	—	—	—	—	—	—	

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Year	Textile mill products				Chemicals and allied products						Refined petroleum products				
	Yarns		Apparel		Sodium hydroxide (caustic soda)	Sulfuric acid	Paints, varnishes, and lacquers	Anhydrous ammonia	Ammonia aqua	Superphosphates	Light products of distillation	Illuminating oils (kerosene)	Fuel oils	Lubricating oils	Paraffin wax
	Rayon and acetate	Noncellulosic	Men's and boys' suits and coats	Women's, misses', and juniors' dresses											
	Dd380	Dd381	Dd382	Dd383	Dd384	Dd385	Dd386	Dd387	Dd388	Dd389	Dd390	Dd391	Dd392	Dd393	Dd394
Million pounds	Million pounds	Thousand	Thousand	Thousand short tons	Thousand short tons	Million gallons	Thousand short tons	Thousand short tons	Thousand short tons	Million barrels	Million barrels	Million barrels	Million barrels	Thousand barrels	
1870	—	—	—	—	—	—	—	—	12	—	—	—	—	—	
1871	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
1872	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
1873	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
1874	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
1875	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
1876	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
1877	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
1878	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
1879	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
1880	—	—	—	—	—	—	—	—	35	—	—	—	—	—	
1881	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
1882	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
1883	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
1884	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
1885	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
1886	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
1887	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
1888	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
1889	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
1890	—	—	—	—	—	—	—	—	84	—	—	—	—	—	
1891	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
1892	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
1893	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
1894	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
1895	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
1896	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
1897	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
1898	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
1899	—	—	—	—	167 <sup>9</sup>	1,177	40	1 <sup>9</sup>	—	—	—	—	—	—	
1900	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
1901	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
1902	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
1903	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
1904	—	—	—	—	87 <sup>9</sup>	1,421	46	3 <sup>9</sup>	—	—	—	—	—	—	
1905	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
1906	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
1907	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
1908	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
1909	—	—	—	—	132 <sup>9</sup>	2,254	70	6 <sup>9</sup>	11 <sup>9</sup>	—	—	—	—	—	
1910	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
1911	2.1	—	—	—	—	—	—	—	—	—	—	—	—	—	
1912	2.9	—	—	—	—	—	—	—	—	—	—	—	—	—	
1913	4.0	—	—	—	—	—	—	—	—	—	—	—	—	—	
1914	5.1	—	—	—	—	—	—	—	—	—	—	—	—	—	

Notes appear at end of table

(continued)

TABLE Dd366-436 Physical output of selected manufactured products: 1860-1997 *Continued*

Year	Textile mill products				Chemicals and allied products						Refined petroleum products				
	Yarns		Apparel		Sodium hydroxide (caustic soda)	Sulfuric acid	Paints, varnishes, and lacquers	Anhydrous ammonia	Ammonia aqua	Superphosphates	Light products of distillation	Illuminating oils (kerosene)	Fuel oils	Lubricating oils	Paraffin wax
	Rayon and acetate	Noncellulosic	Men's and boys' suits and coats	Women's, misses', and juniors' dresses											
	Dd380	Dd381	Dd382	Dd383	Dd384	Dd385	Dd386	Dd387	Dd388	Dd389	Dd390	Dd391	Dd392	Dd393	Dd394
Million pounds	Million pounds	Thousand	Thousand	Thousand short tons	Thousand short tons	Million gallons	Thousand short tons	Thousand short tons	Thousand short tons	Million barrels	Million barrels	Million barrels	Million barrels	Thousand barrels	
1915	6.6	—	—	—	292 <sup>9</sup>	3,096	77	8 <sup>9</sup>	18 <sup>9</sup>	—	—	—	—	—	
1916	6.6	—	—	—	—	—	—	—	—	—	—	35	111	15	1,379
1917	6.8	—	—	—	—	—	—	—	—	—	—	41	155	18	1,719
1918	6.0	—	—	—	—	—	—	—	—	91	43	174	20	1,805	
1919	9.3	—	—	—	313	4,222	109	14	23	—	101	56	182	20	1,668
1920	8.7	—	—	—	—	—	—	—	—	124	55	211	25	1,933	
1921	19.8	—	—	—	239	3,323	94	15	39	863	132	46	230	21	1,553
1922	25.0	—	—	—	—	—	—	—	—	158	55	255	23	1,651	
1923	32.8	—	—	—	437	4,984	152	12	34	—	196	56	287	26	1,665
1924	42.4	—	—	—	—	—	—	—	—	225	60	320	27	1,845	
1925	58.4	—	—	—	497	5,325	176	16 <sup>9</sup>	51	—	269	60	365	31	2,135
1926	60.9	—	—	—	—	—	—	—	—	307	62	365	32	2,310	
1927	100.1	—	31,846	109,080	573	5,577	201	23 <sup>9</sup>	25	—	340	56	393	32	2,089
1928	100.3	—	—	—	—	—	—	—	—	388	59	427	35	2,257	
1929	131.8	—	30,342	162,837	762	6,456	239	87 <sup>9</sup>	15 <sup>9</sup>	—	445	56	449	34	2,261
1930	118.4	—	—	—	—	—	—	—	—	794	444	49	372	34	1,956
1931	157.8	—	21,624	167,192	659	4,627	171	64 <sup>9</sup>	9 <sup>9</sup>	478	442	42	337	27	1,705
1932	152.1	—	—	—	—	—	—	—	—	307	403	44	295	22	1,639
1933	211.9	—	19,300	145,238	687	—	—	75 <sup>9</sup>	6 <sup>9</sup>	463	411	49	316	24	1,677
1934	194.8	—	—	—	—	—	—	—	—	509	424	54	335	26	1,674
1935	252.8	—	24,287	172,247 <sup>8</sup>	759	4,890	219	69 <sup>9</sup>	12 <sup>9</sup>	532	470	56	360	28	1,608
1936	297.6	—	—	—	—	—	—	—	—	627	516	56	414	31	1,689
1937	267.2	—	23,743 <sup>3</sup>	178,300	969	6,029	280	108 <sup>9</sup>	13 <sup>9</sup>	805	571	65	459	35	1,863
1938	274.1	—	—	—	—	—	—	—	—	685	568	65	447	31	1,555
1939	359.9	—	27,354 <sup>3</sup>	194,383	1,045	4,795	265	311	16 <sup>9</sup>	758	611	69	468	35	1,659
1940	388.8	2.7	—	—	—	—	—	—	—	876	616	74	500	37	1,833
1941	452.5	7.5	—	—	1,429	6,770	—	501	—	955	704	73	532	40	2,393
1942	468.8	12.2	—	—	1,574	7,754	—	543	—	1,071	610	67	556	39	2,502
1943	494.2	17.7	19,425	223,995	2,249	8,442	—	543	—	1,273	609	72	629	39	2,697
1944	539.1	24.9	20,729	204,878	2,328	9,242	—	544	—	1,340	741	78	701	41	2,883
1945	602.4	29.4	—	—	2,322	9,522	—	549	—	1,447	793	81	719	42	2,921
1946	666.5	33.6	35,086	213,073	2,292	9,203	—	726	—	1,566	776	104	719	46	3,003
1947	729.3	43.7	34,168	203,247	2,909	10,780	520	1,114	24	1,857	842	110	760	52	3,624
1948	846.7	59.3	32,005	227,279	2,938	11,456	—	1,090	—	1,900	920	122	859	51	3,515
1949	782.8	75.6	29,737	266,674	2,650	11,432	—	1,294	—	1,891	961	102	766	45	3,208
1950	955.6	97.6	36,000	248,195	2,949	13,029	—	1,566	28	1,994	1,024	119	824	52	4,462
1951	865.5	134.4	30,471	240,964	3,106	13,372	—	1,777	35	2,045	1,140	136	945	61	4,814
1952	845.2	160.8	33,057	258,263	3,031	13,310	—	2,052	34	2,165	1,193	132	974	56	4,331
1953	865.6	186.4	34,659	259,312	3,263	14,003	421	2,288	34	2,147	1,266	123	978	53	4,978
1954	721.2	214.1	29,421	248,169	3,410	14,376	416 <sup>10</sup>	2,737	54	2,215	1,261	122	959	53	5,290

Year	Textile mill products				Chemicals and allied products						Refined petroleum products				
	Yarns		Apparel		Sodium hydroxide (caustic soda)	Sulfuric acid	Paints, varnishes, and lacquers	Anhydrous ammonia	Ammonia aqua	Superphosphates	Light products of distillation	Illuminating oils (kerosene)	Fuel oils	Lubricating oils	Paraffin wax
	Rayon and acetate	Noncellulosic	Men's and boys' suits and coats	Women's, misses', and juniors' dresses											
	Million pounds	Million pounds	Thousand	Thousand	Thousand short tons	Thousand short tons	Million gallons	Thousand short tons	Thousand short tons	Thousand short tons	Million barrels	Million barrels	Million barrels	Million barrels	Thousand barrels
	Dd380	Dd381	Dd382	Dd383	Dd384	Dd385	Dd386	Dd387	Dd388	Dd389	Dd390	Dd391	Dd392	Dd393	Dd394
1955	857.7	258.2	34,091	260,389	3,915	16,255	515 <sup>10</sup>	3,252	39	2,272	1,374	117	1,023	56	5,293
1956	727.0	273.1	35,640	257,336	4,227	16,495	503 <sup>10</sup>	3,378	37	2,439	1,429	123	1,092	59	5,367
1957	685.8	314.8	34,968	255,605	4,336	16,460	518 <sup>10</sup>	3,733	41	2,455	1,438	109	1,084	56	5,461
1958	643.5	311.3	33,053	243,273	3,993	15,950	595 <sup>10</sup>	3,879	51	2,381	1,440	110	995	51	5,252
1959	722.2	378.9	39,283	257,677	4,748	17,609	650	4,520	56	2,610	1,489	111	1,027	56	5,630
1960	624.9	400.8	40,622	253,606	4,972	17,883	663	4,818	45	2,672	1,522	136	999	59	5,896
1961	627.8	477.3	37,810	252,155	4,914	17,848	623	5,207	56	2,744	1,533	141	1,012	59	5,781
1962	668.9	570.7	41,937	251,734	5,486	19,701	643	5,810	64	2,823	1,583	156	1,015	61	5,353
1963	687.4	655.2	41,348	259,979	5,814	20,936	678	6,693	60	3,231	1,625	165	1,041	63	5,126
1964	768.6	797.4	40,815	271,718	6,399	22,924	725	7,634	63	3,482	1,687	168	1,009	64	5,352
1965	782.5	927.7	44,039 <sup>4</sup>	282,071	6,842	24,851	775	8,869	81	3,834	1,733	202	1,034	63	5,456
1966	780.8	1,081.9	44,641 <sup>4</sup>	273,080	7,596	28,385	837	10,605	73	4,450	1,822	228	1,050	65	5,772
1967	739.8	1,184.7	47,987 <sup>5</sup>	282,192	8,398	28,815	782	12,194	65	4,695	1,873	264	1,081	65	5,719
1968	794.5	1,555.7	50,320 <sup>5</sup>	277,971	8,868	28,544	843	12,120	42	4,149	1,968	295	1,116	66	5,887
1969	743.5	1,649.0	49,310 <sup>5</sup>	266,856	9,917	29,537	881	12,769	39	4,289	2,057	320	1,114	65	6,049
1970	699.6	1,803.8	43,642 <sup>5</sup>	251,540	10,064	29,577	827	13,570	33	4,596	2,136	314	1,155	66	6,294
1971	734.5	2,334.5	46,162	147,118	9,073	29,035	874	14,538	45	4,992	—	—	—	—	—
1972	643.6	2,914.3	49,856	137,594	9,895	31,184	927	15,169	38	5,482	—	—	—	—	—
1973	608.0	3,413.8	53,872	146,939	10,678	31,949	893	15,208	46	5,578	—	—	—	—	—
1974	482.6	3,234.4	49,542	134,173	11,184	34,177	—	15,733	55	5,367	—	—	—	—	—
1975	377.8	3,268.6	13,749	114,504	9,574	32,260	—	16,419	47	5,573	—	—	—	—	—
1976	339.6	3,211.2	16,224	116,308	9,238	34,878	—	16,716	57	5,824	—	—	—	—	—
1977	351.0	3,553.9	17,311	118,702	10,933	38,337	—	17,765	52	6,699	—	—	—	—	—
1978	363.3	3,694.1	23,050	176,695	10,746	41,314	—	17,119	60	7,176	—	—	—	—	—
1979	356.7	3,817.6	52,012	183,419	12,408	43,204	939	18,523	61	7,662	—	—	—	—	—
1980	325.0	3,551.6	46,443	175,701	11,301	44,272	890	18,984	—	8,088	—	—	—	—	—
1981	283.6	3,502.0	—	165,306	10,414	40,742	858	19,076	—	6,887	—	—	—	—	—
1982	206.1	2,917.7	40,926	171,748	9,141	33,233	803	15,801	—	5,687	—	—	—	—	—
1983	241.8	3,433.7	39,736	167,046	10,039	37,459	858	13,952	—	7,056	—	—	—	—	—
1984	228.3	3,398.6	37,858	158,968	11,224	41,802	938	16,702	—	8,014	—	—	—	—	—
1985	201.0	3,663.8	36,185	152,060	10,811	39,651	1,118	17,319	—	7,653	—	—	—	—	—
1986	209.1	3,747.3	35,762	133,412	11,055	35,993	1,163	14,474	—	6,108	—	—	—	—	—
1987	179.6	3,927.1	33,238	131,949	11,553	39,256	1,184	16,098	—	7,126	—	—	—	—	—
1988	200.2	4,045.9	34,707	142,163	10,526	42,580	1,229	16,821	—	7,968	—	—	—	—	—
1989	213.6	4,094.2	31,339	133,783	11,059	43,301	1,240	16,467	—	8,362	—	—	—	—	—
1990	196.9	4,143.3	11,304 <sup>6</sup>	172,320	12,030	44,044	1,282	16,795	—	8,982	—	—	—	—	—
1991	210.7	4,163.3	9,504 <sup>6</sup>	161,316	12,033	43,466	1,227	17,169	—	9,044	—	—	—	—	—
1992	215.0	4,505.1	64,908	157,896	12,244	44,524	1,236	17,924	—	9,696	—	—	—	—	—
1993	236.9	4,768.4	69,156	175,512	12,466	39,838	1,337	17,195	—	8,801	—	—	—	—	—
1994	223.2	5,318.7	76,013	198,503	12,921	44,842	1,431	17,869	—	10,042	—	—	—	—	—
1995	203.3	5,445.1	63,618 <sup>7</sup>	206,814	—	47,519	1,407	17,402	—	10,364	—	—	—	—	—
1996	208.2	5,665.8	64,157 <sup>7</sup>	187,904	—	—	1,430	17,762	—	—	—	—	—	—	—
1997	188.8	6,011.8	78,723	178,702	—	—	—	—	—	—	—	—	—	—	—

Notes appear at end of table

(continued)

TABLE Dd366-436 Physical output of selected manufactured products: 1860-1997 *Continued*

Year	Leather products: shoes (except athletic)			Primary metals										
	Rubber products: pneumatic motor vehicle tires			Clay products: common and face bricks	Ferrous									Nonferrous: copper and copper-based alloy products
					Raw steel						Hot rolled iron and steel	Structural iron and steel shapes	Rails	
	Men's	Women's	Total	Bessemer	Open hearth	Basic oxygen	Crucible	Electric arc	Dd405	Dd406				Dd407
											Dd395	Dd396	Dd397	
Million	Million pairs	Million pairs	Billion	Thousand short tons	Thousand short tons	Thousand short tons	Thousand short tons	Thousand short tons	Thousand short tons	Thousand short tons	Thousand short tons	Thousand short tons	Thousand short tons	Thousand short tons
1860	—	—	—	—	13	—	—	—	13	—	—	—	205	—
1861	—	—	—	—	—	—	—	—	—	—	—	—	190	—
1862	—	—	—	—	—	—	—	—	—	—	—	—	214	—
1863	—	—	—	—	9	—	—	—	9	—	—	—	276	—
1864	—	—	—	—	10	—	—	—	10	—	872	—	335	—
1865	—	—	—	—	15	—	—	—	15	—	856	—	356	—
1866	—	—	—	—	19	—	—	—	19	—	1,026	—	431	—
1867	—	—	—	—	22	3	—	—	19	—	1,042	—	463	—
1868	—	—	—	—	30	9	—	—	22	—	1,105	—	506	—
1869	—	—	—	2.80	35	12	1	—	22	—	1,236	—	594	—
1870	—	—	—	—	77	42	2	—	34	—	1,325	—	620	—
1871	—	—	—	—	82	45	2	—	35	—	1,486	—	776	—
1872	—	—	—	—	160	120	3	—	37	—	1,942	—	1,000	—
1873	—	—	—	—	223	171	4	—	49	—	1,966	—	890	—
1874	—	—	—	—	242	192	7	—	43	—	1,840	—	729	—
1875	—	—	—	—	437	376	9	—	52	—	1,890	—	793	—
1876	—	—	—	—	597	526	21	—	50	—	1,922	—	880	—
1877	—	—	—	—	638	561	25	—	52	—	1,909	—	765	—
1878	—	—	—	—	820	732	36	—	51	—	2,115	—	883	—
1879	—	—	—	3.82	1,048	929	56	—	62	—	2,741	87	1,113	—
1880	—	—	—	—	1,397	1,203	113	—	81	—	3,301	—	1,462	—
1881	—	—	—	—	1,779	1,539	147	—	93	—	3,999	—	1,844	—
1882	—	—	—	—	1,945	1,696	161	—	88	—	3,955	—	1,689	—
1883	—	—	—	—	1,874	1,655	134	—	86	—	3,645	—	1,361	—
1884	—	—	—	—	1,737	1,541	132	—	65	—	3,077	—	1,145	—
1885	—	—	—	—	1,917	1,702	149	—	66	—	2,975	—	1,094	—
1886	—	—	—	—	2,870	2,541	245	—	83	—	4,853	—	1,793	—
1887	—	—	—	—	3,733	3,288	356	—	89	—	5,864	—	2,396	—
1888	—	—	—	—	3,238	2,813	345	—	80	—	5,171	—	1,572	—
1889	—	—	—	8.05	3,784	3,282	413	—	89	—	5,865	276	1,705	—
1890	—	—	—	—	4,779	4,131	566	—	82	—	6,746	—	2,112	—
1891	—	—	—	—	4,349	3,635	631	—	82	—	6,038	—	1,464	—
1892	—	—	—	—	5,492	4,663	732	—	96	—	6,906	508	1,738	—
1893	—	—	—	—	4,471	3,596	805	—	69	—	5,573	434	1,273	—
1894	—	—	—	—	4,899	3,995	845	—	58	—	5,199	404	1,144	—
1895	—	—	—	6.36	6,785	5,494	1,219	—	72	—	6,932	580	1,463	—
1896	—	—	—	5.97	5,849	4,388	1,396	—	65	—	6,178	555	1,257	—
1897	—	—	—	5.60	7,940	6,131	1,731	—	77	—	7,842	654	1,846	—
1898	—	—	—	6.16	9,888	7,401	2,388	—	99	—	9,535	786	2,219	—
1899	—	67.7	65.0	8.13	11,739	8,494	3,135	—	111	—	11,530	952	2,545	—



Year	Leather products: shoes (except athletic)			Primary metals													
	Rubber products: pneumatic motor vehicle tires Dd395	Men's Dd396	Women's Dd397	Clay products: common and face bricks Dd398	Ferrous									Hot rolled iron and steel Dd405	Structural iron and steel shapes Dd406	Rails Dd407	Nonferrous: copper and copper-based alloy products Dd408
					Raw steel						Basic oxygen Dd402	Crucible Dd403	Electric arc Dd404				
					Total Dd399	Bessemer Dd400	Open hearth Dd401	Thousand short tons	Thousand short tons	Thousand short tons							
Million	Million pairs	Million pairs	Billion	Thousand short tons	Thousand short tons	Thousand short tons	Thousand short tons	Thousand short tons	Thousand short tons	Thousand short tons	Thousand short tons	Thousand short tons	Thousand short tons	Thousand short tons			
1900	—	—	—	7.49	11,227	7,481	3,638	—	109	—	10,626	913	2,672	—			
1901	—	—	—	8.45	14,784	9,752	4,924	—	108	—	13,831	1,135	3,220	—			
1902	—	—	—	8.93	16,402	10,222	6,054	—	126	—	15,617	1,456	3,302	—			
1903	—	—	—	8.90	15,865	9,605	6,146	—	114	—	14,793	1,227	3,352	—			
1904	—	83.4	69.5	9.10	15,205	8,787	6,325	—	93	—	13,455	1,063	2,559	—			
1905	—	—	—	10.36	21,880	12,231	9,537	—	112	—	18,861	1,860	3,781	—			
1906	—	—	—	10.64	25,443	13,712	11,594	—	137	—	21,939	2,373	4,455	—			
1907	—	—	—	10.38	25,375	13,031	12,206	—	138	—	22,249	2,173	4,070	—			
1908	—	—	—	8.40	15,383	6,828	8,492	—	63	—	13,248	1,213	2,152	—			
1909	—	98.0	86.6	10.61	26,218	10,414	15,682	—	107	16	22,002	2,549	3,387	—			
1910	—	—	—	9.92	28,330	10,478	17,672	—	122	58	24,216	2,539	4,072	—			
1911	—	—	—	9.20	25,937	8,841	16,970	—	95	32	21,324	2,142	3,162	—			
1912	—	—	—	9.37	34,079	11,492	22,457	—	114	17	27,616	3,188	3,727	—			
1913	—	—	—	8.92	34,087	10,604	23,340	—	117	26	27,766	3,366	3,923	—			
1914	12.0	98.0	80.9	7.96	25,606	6,895	18,603	—	88	20	20,575	2,275	2,179	—			
1915	—	—	—	7.71	35,180	9,178	25,838	—	108	55	27,320	2,729	2,469	—			
1916	—	—	—	8.40	46,793	12,234	34,278	—	135	146	36,266	3,394	3,197	—			
1917	—	—	—	6.62	49,787	11,572	37,783	—	138	294	37,036	3,483	3,297	—			
1918	—	—	—	3.91	49,010	10,335	38,065	—	128	482	34,894	3,192	2,846	—			
1919	38.0 <sup>11</sup>	95.0	104.8	5.54	38,099	8,038	29,665	—	69	327	28,114	2,928	2,468	—			
1920	—	—	—	5.64	46,183	9,841	35,846	—	79	417	36,230	3,704	2,917	—			
1921	29.0 <sup>11</sup>	69.5	101.5	5.32	21,639	4,461	17,065	—	8	104	16,547	1,425	2,440	—			
1922	—	90.0	105.4	7.32	38,945	6,578	32,106	—	31	230	29,626	3,045	2,432	—			
1923	50.0 <sup>11</sup>	100.3	109.7	9.21	49,017	9,431	39,200	—	48	338	37,270	3,814	3,253	—			
1924	—	84.7	104.1	9.19	41,446	6,551	34,597	—	24	274	31,457	3,678	2,725	—			
1925	61.0 <sup>11</sup>	86.5	104.8	10.04	49,705	7,474	41,804	—	20	406	37,393	4,037	3,119	545 <sup>16</sup>			
1926	—	86.6	110.4	9.96	52,902	7,721	44,764	—	16	401	39,755	4,381	3,604	—			
1927	67.0 <sup>11</sup>	95.3	116.3	9.47	49,273	6,894	41,921	—	9	449	36,825	4,192	3,143	558 <sup>16</sup>			
1928	—	91.0	123.8	8.83	56,623	7,385	48,689	—	7	542	42,182	4,588	2,965	—			
1929	70.0 <sup>12</sup>	94.8	131.3	7.64	61,742	7,945	53,152	—	6	638	45,998	5,351	3,049	1,245			
1930	—	77.1	112.6	5.11	44,591	5,623	38,587	—	2	379	33,055	3,934	2,098	—			
1931	52.0 <sup>11</sup>	77.4	112.6	3.22	28,607	3,373	24,953	—	1	280	21,477	2,310	1,297	625			
1932	—	74.5	113.9	1.40	15,123	1,712	13,243	—	(Z)	168	11,705	1,050	451	—			
1933	45.0 <sup>12</sup>	88.8	130.7	1.29	25,725	2,717	22,653	—	(Z)	354	18,743	1,243	466	495			
1934	—	91.4	133.0	1.40	29,182	2,422	26,355	—	1	405	21,246	1,596	1,131	—			
1935	—	99.5	145.2	2.28	38,184	3,175	34,401	—	1	606	26,840	1,960	797	634			
1936	53.0 <sup>11</sup>	103.8	161.9	3.82	53,500	3,873	48,760	—	1	865	37,858	3,245	1,366	—			
1937	59.0 <sup>11</sup>	102.9	149.7	4.19	56,637	3,864	51,825	—	1	947	41,178	3,670	1,619	1,060			
1938	—	96.7	147.8	3.53	31,752	2,106	29,080	—	(Z)	566	23,569	2,083	698	—			
1939	64.0 <sup>11</sup>	103.8	167.7	4.73	52,799	3,359	48,410	—	1	1,029	39,068	3,359	1,313	1,224			

Notes appear at end of table

(continued)

TABLE Dd366-436 Physical output of selected manufactured products: 1860-1997 *Continued*

Year	Leather products: shoes (except athletic)			Primary metals											
	Rubber products: pneumatic motor vehicle tires			Clay products: common and face bricks	Ferrous										Nonferrous: copper and copper-based alloy products
					Raw steel						Hot rolled iron and steel	Structural iron and steel shapes	Rails		
	Men's	Women's	Total	Bessemer	Open hearth	Basic oxygen	Crucible	Electric arc							
									Dd395	Dd396	Dd397	Dd398	Dd399	Dd400	Dd401
Million	Million pairs	Million pairs	Billion	Thousand short tons	Thousand short tons	Thousand short tons	Thousand short tons	Thousand short tons	Thousand short tons	Thousand short tons	Thousand short tons	Thousand short tons	Thousand short tons	Thousand short tons	
1940	—	102.4	151.9	4.10	66,983	3,709	61,573	—	1	1,700	48,660	4,232	1,679	—	
1941	—	135.8	184.9	—	82,839	5,578	74,390	—	2	2,869	62,324	5,724	1,928	—	
1942	—	143.0	181.7	—	86,032	5,553	76,502	—	2	3,975	62,446	5,816	2,096	—	
1943	—	129.3	154.7	1.92	88,837	5,625	78,622	—	(Z)	4,589	63,293	4,576	2,127	—	
1944	—	108.5	118.1	1.88	89,642	5,040	80,364	—	(Z)	4,238	65,804	4,676	2,491	—	
1945	—	107.7	120.2	2.29	79,702	4,305	71,940	—	(Z)	3,457	59,812	4,467	2,418	—	
1946	—	106.0	181.4	4.87	66,603	3,328	60,712	—	—	2,563	50,937	4,388	1,966	—	
1947	112.0	106.2	191.6	5.14	84,894	4,233	76,874	—	—	3,788	66,202	5,607	2,441	2,438	
1948	—	104.4	176.5	5.84	88,640	4,243	79,340	—	—	5,057	69,192	5,456	2,208	—	
1949	—	97.4	178.0	5.52	77,978	3,947	70,249	—	—	3,783	60,882	4,672	1,901	—	
1950	—	102.5	195.2	6.33	96,836	4,535	86,263	—	—	6,039	75,191	5,442	1,850	—	
1951	—	104.5	169.4	6.63	105,200	4,891	93,167	—	—	7,142	81,911	6,348	1,854	—	
1952	—	100.7	183.9	5.89	93,168	3,524	82,846	—	—	6,798	71,349	5,355	1,472	2,465	
1953	—	98.8	186.9	5.87	111,610	3,856	100,474	—	—	7,280	85,944	6,538	1,982	2,525	
1954	102.0	91.1	202.0	6.72	88,312	2,548	80,327	—	—	5,436	68,465	5,706	1,171	2,114	
1955	—	103.7	270.9	7.90	117,036	3,320	105,359	307	—	8,050	90,658	6,336	1,227	2,564	
1956	—	106.9	273.4	8.09	115,216	3,228	102,841	506	—	8,641	89,284	7,167	1,301	2,435	
1957	—	104.3	274.2	6.66	112,715	2,475	101,658	611	—	7,971	85,887	8,595	1,308	2,214	
1958	112.0	101.4	270.7	6.32	85,255	1,396	75,879	1,323	—	6,656	65,105	5,220	587	2,021	
1959	—	110.1	292.4	7.34	93,446	1,380	81,669	1,864	—	8,533	71,856	5,259	631	2,407	
1960	—	100.6	279.8	6.94	99,282	1,189	86,368	3,346	—	8,379	76,446	6,125	711	2,149	
1961	—	103.3	273.4	6.68	98,014	881	84,502	3,967	—	8,664	73,412	5,517	472	2,255	
1962	—	112.7	288.2	6.89	98,328	805	82,957	5,553	—	9,013	74,998	5,278	544	2,478	
1963	158.0	110.7	275.2	7.41	109,261	963	88,834	8,544	—	10,920	81,851	5,856	531	2,952	
1964	—	117.7	278.0	7.87	127,076	858	98,097	15,442	—	12,678	93,635	6,809	701	2,950	
1965	—	118.2	280.0	8.21	131,462	586	94,193	22,879	—	13,804	99,304	7,641	766	3,144	
1966	—	126.9	284.2	8.26	134,101	278	85,025	33,928	—	14,870	99,205	7,687	878	3,447	
1967	186.0	123.7	258.0	7.57	127,213	— <sup>14</sup>	70,690 <sup>14</sup>	41,434	—	15,089	93,084	6,986	763	2,987	
1968	—	125.6	283.7	7.91	131,462	— <sup>14</sup>	65,835 <sup>14</sup>	48,812	—	16,814	99,115	7,098	847	2,912	
1969	—	117.6	237.6	7.81	141,262	0	60,894	60,236	—	20,132	93,877 <sup>15</sup>	5,766	830	3,274	
1970	—	119.7	230.2	6.73	131,514	0	48,022	63,330	—	20,162	90,798 <sup>15</sup>	5,566	900	2,821	
1971	—	139.5	229.8	7.59	120,443	0	35,559	63,943	—	20,941	87,038	5,222	879	2,711	
1972	265.1	150.0	219.5	8.28	133,241	0	34,936	74,584	—	23,721	91,805	5,237	921	2,985	
1973	—	119.0	179.0	8.71	150,799	0	39,780	83,260	—	27,759	111,460	6,556	916	3,319	
1974	—	—	—	7.56	145,720	0	35,499	81,552	—	28,669	109,472	6,548	924	2,813	
1975	—	106.0	154.0	6.54	116,642	0	22,161	71,801	—	22,680	79,957	4,697	1,179	2,025	
1976	—	111.0	157.0	7.34	128,000	0	23,470	79,918	—	24,612	89,447	3,857	1,303	2,517	
1977	154.8	105.0	147.0	8.30	125,333	0	20,043	77,408	—	27,882	91,147	4,035	1,109	2,668	
1978	—	103.0	145.0	8.70	137,031	0	21,310	83,484	—	32,237	97,935	4,667	946	2,712	
1979	—	92.0	146.0	8.40	136,341	0	19,158	83,256	—	33,927	100,262	5,303	1,122	2,976	

Year	Leather products: shoes (except athletic)			Primary metals											
	Rubber products: pneumatic motor vehicle tires	Men's	Women's	Clay products: common and face bricks	Ferrous										Nonferrous: copper and copper-based alloy products
					Raw steel						Hot rolled iron and steel	Structural iron and steel shapes	Rails		
					Total	Bessemer	Open hearth	Basic oxygen	Crucible	Electric arc					
					Dd395	Dd396	Dd397	Dd398	Dd399	Dd400					
Million	Million pairs	Million pairs	Billion	Thousand short tons	Thousand short tons	Thousand short tons	Thousand short tons	Thousand short tons	Thousand short tons	Thousand short tons	Thousand short tons	Thousand short tons	Thousand short tons	Thousand short tons	
1980	—	91.0	141.0	6.51	111,835	0	13,054	67,615	—	31,166	83,853	4,861	1,085	2,467	
1981	—	88.0	138.0	5.43	120,828	0	13,452	73,231	—	34,145	88,450	4,929	907	2,622	
1982	190.5	72.0	132.0	4.81	74,577	0	6,110	45,309	—	23,158	61,567	3,313	498	2,014	
1983	—	—	—	6.00	84,615	0	5,951	52,050	—	26,615	67,583	3,364	611	2,116	
1984	—	72.0	115.0	7.11	92,528	0	8,336	52,822	—	31,369	73,739	3,868	933	2,717	
1985	—	—	—	7.14	88,259	0	6,428	51,885	—	29,946	73,043	4,373	679	2,363	
1986	—	58.0	83.0	7.51	81,606	0	3,330	47,885	—	30,390	70,263	4,233	444	2,318	
1987	— <sup>13</sup>	57.0	79.0	7.64	89,151	0	2,666	52,496	—	33,989	76,654	4,839	351	2,624	
1988	—	56.0	75.0	7.33	99,924	0	5,118	57,960	—	36,846	83,840	4,860	460	—	
1989	—	51.0	69.0	8.03	97,943	0	4,442	58,348	—	35,154	84,100	4,987	458	—	
1990	—	46.0	67.0	7.12	98,906	0	3,496	58,471	—	36,939	84,981	5,670	407	—	
1991	—	41.0	56.0	5.94	87,896	0	1,408	52,714	—	33,774	78,846	5,245	382	—	
1992	276.7	42.0	51.0	6.11	92,949	0	0	57,642	—	35,308	82,241	5,081	435	—	
1993	—	45.0	51.0	6.62	97,877	0	0	59,353	—	38,524	89,022	4,973	544	—	
1994	—	46.0	49.0	7.20	100,579	0	0	61,028	—	39,551	95,084	5,506	495	—	
1995	—	39.0	41.0	7.01	104,930	0	0	62,523	—	42,407	97,494	5,710	528	—	
1996	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
1997	—	—	—	—	—	—	—	—	—	—	—	—	—	—	

Year	Fabricated metal products			Machinery, except electrical			Electrical machinery																
	Metal cans	Warm air furnaces	Nonelectric cooking stoves and ranges	Diesel engines	Gasoline engines	Metal cutting machines	Fractional horsepower motors	Integral horsepower motors and generators	Room air conditioners	Household appliances			Electric lamps										
										Ranges	Refrigerators	Washing machines (mechanical)	Large incandescent	Fluorescent (hot cathode)									
										Dd409 <sup>30</sup>	Dd410 <sup>30</sup>	Dd411 <sup>30</sup>	Dd412 <sup>30</sup>	Dd413 <sup>30</sup>	Dd414 <sup>30</sup>	Dd415 <sup>30</sup>	Dd416 <sup>30</sup>	Dd417 <sup>30</sup>	Dd418 <sup>30</sup>	Dd419 <sup>30</sup>	Dd420 <sup>30</sup>	Dd421 <sup>30</sup>	Dd422 <sup>30</sup>
										Thousand base boxes	Thousand	Thousand	Thousand	Thousand	Thousand	Thousand	Thousand	Thousand	Thousand	Thousand	Thousand	Million	Million
1899	—	—	—	—	—	—	—	—	—	—	—	—	—	25	—								
1900	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—								
1901	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—								
1902	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—								
1903	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—								
1904	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—								
1905	—	—	—	—	—	—	—	—	—	—	—	—	—	113	—								
1906	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—								
1907	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—								
1908	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—								
1909	—	—	—	—	—	—	—	—	—	—	—	—	—	67	—								

Notes appear at end of table

(continued)

TABLE Dd366-436 Physical output of selected manufactured products: 1860-1997 *Continued*

Year	Fabricated metal products			Machinery, except electrical			Electrical machinery							
	Metal cans	Warm air furnaces	Nonelectric cooking stoves and ranges	Diesel engines	Gasoline engines	Metal cutting machines	Fractional horsepower motors	Integral horsepower motors and generators	Room air conditioners	Household appliances			Electric lamps	
										Ranges	Refrigerators	Washing machines (mechanical)	Large incandescent	Fluorescent (hot cathode)
	Dd409 <sup>30</sup>	Dd410 <sup>30</sup>	Dd411 <sup>30</sup>	Dd412 <sup>30</sup>	Dd413 <sup>30</sup>	Dd414 <sup>30</sup>	Dd415 <sup>30</sup>	Dd416 <sup>30</sup>	Dd417 <sup>30</sup>	Dd418 <sup>30</sup>	Dd419 <sup>30</sup>	Dd420 <sup>30</sup>	Dd421 <sup>30</sup>	Dd422 <sup>30</sup>
Thousand base boxes	Thousand	Thousand	Thousand	Thousand	Thousand	Thousand	Thousand	Thousand	Thousand	Thousand	Thousand	Million	Million	
1910	—	—	—	—	—	—	—	—	—	—	—	—	—	—
1911	—	—	—	—	—	—	—	—	—	—	—	—	—	—
1912	—	—	—	—	—	—	—	—	—	—	—	—	—	—
1913	—	—	—	—	—	—	—	—	—	—	—	—	—	—
1914	—	—	—	—	—	—	64	283	—	—	—	—	89	—
1915	—	—	—	—	—	—	—	—	—	—	—	—	—	—
1916	—	—	—	—	—	—	—	—	—	—	—	—	—	—
1917	—	—	—	—	—	—	—	—	—	—	—	—	—	—
1918	—	—	—	—	—	—	—	—	—	—	—	—	—	—
1919	—	—	—	—	—	—	198	1,153	—	—	—	—	225	—
1920	—	—	—	—	—	—	—	—	—	—	—	—	—	—
1921	—	—	—	—	—	—	993	250	—	27	5	—	155	—
1922	—	—	—	—	—	—	—	—	—	—	—	—	—	—
1923	—	—	—	—	—	—	1,995	413	—	49 <sup>20</sup>	18	—	233	—
1924	—	—	—	—	—	—	—	—	—	—	—	—	—	—
1925	—	—	—	—	—	—	2,288	446	—	85	75	—	267	—
1926	—	—	—	—	—	—	—	—	—	—	—	—	—	—
1927	—	—	—	—	—	—	3,046	524	—	113	390	760	335	—
1928	—	—	—	—	—	—	—	—	—	—	—	—	—	—
1929	—	—	—	—	—	—	4,832	713	—	225	890	956	352	—
1930	—	—	—	—	—	—	—	—	—	—	—	—	—	—
1931	—	—	—	—	—	—	3,845	309	—	110	1,050	818	320	—
1932	—	—	—	—	—	—	—	—	—	—	—	—	—	—
1933	—	—	—	—	—	—	3,818	189	—	51	1,160	1,017	306	—
1934	—	—	—	—	—	—	—	—	—	—	—	—	—	—
1935	—	—	—	—	—	—	7,782	327	—	195	1,882	1,208	388	—
1936	—	—	—	—	—	—	—	—	—	—	—	—	—	—
1937	—	—	—	—	—	—	20,666	520	—	341	2,824	1,493	501	—
1938	—	—	—	—	—	—	—	—	—	—	—	—	—	—
1939	—	—	—	—	—	—	11,256	456	—	275	1,773	1,393	517	—
1940	—	—	—	—	—	—	—	—	—	—	—	—	—	—
1941	—	518 <sup>17</sup>	—	—	—	—	—	—	—	—	—	—	—	—
1942	—	256 <sup>17</sup>	—	—	—	—	—	—	—	—	—	—	—	—
1943	1,684	173 <sup>17</sup>	1,055 <sup>18</sup>	—	—	—	—	—	—	—	—	—	—	—
1944	2,072	281	1,424 <sup>18</sup>	—	—	—	—	—	—	—	—	—	—	—
1945	2,442	373	1,889 <sup>18</sup>	—	—	—	—	—	1	—	—	—	787	37
1946	2,760	699	2,811 <sup>18</sup>	—	—	—	—	—	30	—	—	—	774	52
1947	2,956	885	3,519	100	2,141	191	43,375	1,904	43	1,210	3,975	4,148	999	89
1948	3,245	777	3,532	—	—	—	—	—	74	—	—	—	1,030	94
1949	3,277	770	2,475	—	—	—	—	—	89	—	—	—	975	71

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Year	Fabricated metal products			Machinery, except electrical			Electrical machinery							
	Metal cans	Warm air furnaces	Nonelectric cooking stoves and ranges	Diesel engines	Gasoline engines	Metal cutting machines	Fractional horsepower motors	Integral horsepower motors and generators	Room air conditioners	Household appliances			Electric lamps	
										Ranges	Refrigerators	Washing machines (mechanical)	Large incandescent	Fluorescent (hot cathode)
	Dd409 <sup>30</sup>	Dd410 <sup>30</sup>	Dd411 <sup>30</sup>	Dd412 <sup>30</sup>	Dd413 <sup>30</sup>	Dd414 <sup>30</sup>	Dd415 <sup>30</sup>	Dd416 <sup>30</sup>	Dd417 <sup>30</sup>	Dd418 <sup>30</sup>	Dd419 <sup>30</sup>	Dd420 <sup>30</sup>	Dd421 <sup>30</sup>	Dd422 <sup>30</sup>
Thousand base boxes	Thousand	Thousand	Thousand	Thousand	Thousand	Thousand	Thousand	Thousand	Thousand	Thousand	Thousand	Million	Million	
1950	3,893	1,100	3,388	99	2,458	—	—	194	—	—	—	—	1,200	98
1951	3,805	872	2,624	129	3,104	—	—	229 <sup>19</sup>	—	—	—	—	1,070	111
1952	3,842	928	2,424	121	2,945	—	—	372 <sup>19</sup>	—	—	—	—	864	65
1953	4,082	997	2,386	118	2,989	—	—	1,018 <sup>19</sup>	—	—	—	—	1,028	92
1954	4,143	1,152	2,203	105	3,670	121	57,643	1,744	1,353	1,209	3,387	3,697	960	93
1955	4,484	1,406	2,509	139	4,932	—	—	1,283	—	—	—	—	1,057	104
1956	4,786	1,355	2,274	141	5,883	—	—	1,828	—	—	—	—	1,132	126
1957	4,595	1,131	1,956	127	4,924	—	—	1,586	—	—	—	—	1,112	119
1958	4,761	1,235	1,825	132	5,756	110	58,877	1,639	1,675	789 <sup>21</sup>	3,038	3,974	1,052	113
1959	4,949	1,435	2,037	180	7,181	143	—	—	1,773	—	—	—	1,212	131
1960	4,862	1,253	1,822	139	6,022	134	76,027	1,409	1,523	—	—	—	1,142	140
1961	109,358	1,175	1,773	150	5,968	124	74,552	1,428	1,562	—	—	—	1,155	142
1962	114,506	1,238	1,878	155	7,126	139	81,373	1,724	1,628	—	—	—	1,238	164
1963	110,949	1,363	2,016	179	6,862	140	98,926	1,433	1,990	2,205	4,221	4,227	1,254	179
1964	116,213	1,535	2,068	238	6,734	154	106,587	1,923	2,592	—	—	—	1,264	198
1965	121,050	1,583	2,187	247	7,908	184	131,572	2,139	2,868	—	—	—	1,320	225
1966	129,389	1,528	2,132	254	8,900	243	136,820	2,595	3,269	—	—	—	1,394	256
1967	133,980	1,449	2,097	252	9,102	236	122,419	2,834	3,941	2,273	4,578	4,596	1,391	224
1968	145,862	1,741	2,326	252	9,822	226	142,696	2,726	3,887	—	—	—	1,467	258
1969	152,617	1,865	2,291	254	10,528	230	150,463	2,776	5,115	—	—	—	1,476	261
1970	159,299	1,783	2,114	226	9,558	188	135,134	2,836	5,438	—	—	—	1,582	267
1971	161,891	2,336	2,714	362	9,751	—	140,421	2,535	4,931	—	—	—	—	—
1972	170,672	2,668	2,919	439	11,007	201	157,598	3,020	3,923	3,693	6,069	6,125	1,738	289
1973	181,793	2,058	2,532	408	13,183	252	176,843	4,003	4,937	—	—	—	1,820	306
1974	187,758	1,453	1,966	565	13,822	—	166,031	5,325	4,495	—	—	—	1,460	277
1975	177,063	1,247	1,699	464	10,523	227	127,618	3,064	2,498	—	—	—	1,440	258
1976	180,141	1,496	2,040	488	10,804	213	190,423	3,778	2,805	—	—	—	1,656	293
1977	190,009	1,759	1,901	588	12,015	220	214,425	4,640	3,303	5,086	5,674	4,972	1,720	296
1978	—	1,885	2,039	594	12,076	258	235,916	5,089	3,903	—	—	—	1,622	314
1979	199,863	2,121	1,998	824	15,929	263	234,019	5,460	3,757	—	—	—	1,678	326
1980	192,729	1,532	1,720	903	14,431	249	197,547	4,116	3,179	—	—	—	1,656	335
1981	—	1,566	1,649	926	10,331	235	200,136	3,734	3,723	—	—	—	1,554	335
1982	—	1,265	1,486	653	9,685	130	177,824	3,545	2,883	5,070	4,609	4,013	1,499	323
1983	—	1,796	1,666	586	8,739	101	210,254	3,763	1,888	7,213	5,702	—	1,690	376
1984	—	1,995	1,893	775	11,757	106	235,088	4,151	3,039	8,959	6,317	—	1,735	414
1985	—	—	1,971	676	10,544	94	233,155	3,917	—	7,938	6,419	5,278	1,629	390
1986	—	—	2,243	574	10,951	90	230,265	7,698	—	7,801	6,940	5,425	1,626	420
1987	—	1,297	2,329	552	13,625	93	248,131	7,547	3,126	8,300	7,179	5,729	1,660	429
1988	—	2,099	2,174	635	14,289	104	311,377	6,467	3,708	7,944	7,968	6,200	1,680	467
1989	—	2,430	2,422	654	13,722	104	331,566	6,272	3,873	8,218	7,824	6,009	1,718	492
1990	—	2,137	2,448	639	16,326	93	292,579	7,026	3,454	7,500	7,016	6,072	1,681	477
1991	—	2,019	1,947	567	14,538	78	282,890	7,040	2,286	7,400	7,599	6,109	1,759	502
1992	—	2,417	1,991	648	18,217	82	263,875	6,483	2,519	7,452	9,676	6,001	1,799	555
1993	—	1,334	2,070	799	20,538	88	280,834	7,760	2,234	8,058	10,306	6,283	1,860	572
1994	—	1,523	2,158	885	23,316	101	307,959	9,624	3,265	7,246	11,287	6,600	1,815	599
1995	—	1,522	2,081	977	22,263	118	310,506	9,321	4,010	6,443	11,062	6,378	—	—
1996	—	—	—	—	—	—	—	—	—	—	—	—	—	—
1997	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Notes appear at end of table

(continued)

TABLE Dd366-436 Physical output of selected manufactured products: 1860-1997 *Continued*

Year	Electrical machinery			Transportation equipment						Miscellaneous				
	Household electronics			Railroad cars			Horse-drawn vehicles			Pianos	Organs	Typewriters		
	Radio receivers	Radio-phonograph combinations	Phonographs	Wheeled tractors	Truck trailers	Locomotives	Passenger	Freight	Bicycles				Carriages, buggies, and sulkies	Farm wagons, trucks, and business vehicles
	Dd423	Dd424	Dd425	Dd426	Dd427	Dd428	Dd429	Dd430	Dd431	Dd432	Dd433	Dd434	Dd435	Dd436
Thousand	Thousand	Thousand	Thousand	Thousand	Number	Number	Thousand	Million	Thousand	Thousand	Thousand	Thousand	Thousand	
1860	—	—	—	—	—	—	—	—	—	—	—	—	—	—
1861	—	—	—	—	—	—	—	—	—	—	—	—	—	—
1862	—	—	—	—	—	—	—	—	—	—	—	—	—	—
1863	—	—	—	—	—	—	—	—	—	—	—	—	—	—
1864	—	—	—	—	—	—	—	—	—	—	—	—	—	—
1865	—	—	—	—	—	—	—	—	—	—	—	—	—	—
1866	—	—	—	—	—	—	—	—	—	—	—	—	—	—
1867	—	—	—	—	—	—	—	—	—	—	—	—	—	—
1868	—	—	—	—	—	—	—	—	—	—	—	—	—	—
1869	—	—	—	—	—	—	—	—	—	—	—	—	—	—
1870	—	—	—	—	—	—	—	—	—	—	—	—	—	—
1871	—	—	—	—	—	—	185	2	—	—	—	—	—	—
1872	—	—	—	—	—	—	387	9	—	—	—	—	—	—
1873	—	—	—	—	—	—	280	6	—	—	—	—	—	—
1874	—	—	—	—	—	—	256	5	—	—	—	—	—	—
1875	—	—	—	—	—	—	185	9	—	—	—	—	—	—
1876	—	—	—	—	—	—	836	8	—	—	—	—	—	—
1877	—	—	—	—	—	—	708	7	—	—	—	—	—	—
1878	—	—	—	—	—	—	211	9	—	—	—	—	—	—
1879	—	—	—	—	—	—	524	26	—	—	—	—	—	—
1880	—	—	—	—	—	1,405	685	46	—	—	—	—	—	—
1881	—	—	—	—	—	1,977	1,188	74	—	—	—	—	—	—
1882	—	—	—	—	—	2,282	1,711	68	—	—	—	—	—	—
1883	—	—	—	—	—	2,067	2,135	45	—	—	—	—	—	—
1884	—	—	—	—	—	1,149	1,063	25	—	—	—	—	—	—
1885	—	—	—	—	—	800	813	13	—	—	—	—	—	—
1886	—	—	—	—	—	1,436	953	42	—	—	—	—	—	—
1887	—	—	—	—	—	2,044	1,277	78	—	—	—	—	—	—
1888	—	—	—	—	—	2,180	1,452	72	—	—	—	—	—	—
1889	—	—	—	—	—	1,860	1,580	71	—	—	—	—	—	—
1890	—	—	—	—	—	2,300	1,654	104	—	—	—	—	—	—
1891	—	—	—	—	—	2,165	1,640	96	—	—	—	—	—	—
1892	—	—	—	—	—	2,012	2,195	98	—	—	—	—	—	—
1893	—	—	—	—	—	2,011	1,986	57	—	—	—	—	—	—
1894	—	—	—	—	—	695	516	17	—	—	—	—	—	—
1895	—	—	—	—	—	1,101	430	38	—	—	—	—	—	—
1896	—	—	—	—	—	1,175	474	51	—	—	—	—	—	—
1897	—	—	—	—	—	1,251	494	44	—	—	—	—	—	—
1898	—	—	—	—	—	1,875	699	100	—	—	—	—	—	—
1899	—	—	151	—	—	2,475	1,305	120	1.11	905	570	172	107	—

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Year	Electrical machinery			Transportation equipment							Miscellaneous				
	Household electronics			Railroad cars			Horse-drawn vehicles				Pianos	Organs	Typewriters		
	Radio receivers	Radio-phonograph combinations	Phonographs	Wheeled tractors	Truck trailers	Locomotives	Passenger	Freight	Bicycles	Carriages, buggies, and sulkeys				Farm wagons, trucks, and business vehicles	
											Dd423	Dd424	Dd425		Dd426
Thousand	Thousand	Thousand	Thousand	Thousand	Number	Number	Thousand	Million	Thousand	Thousand	Thousand	Thousand	Thousand	Thousand	
1900	—	—	—	—	—	3,153	1,636	116	—	—	—	—	—	—	145
1901	—	—	—	—	—	3,384	2,055	137	—	—	—	—	—	—	—
1902	—	—	—	—	—	4,070	1,948	163	—	—	—	—	—	—	—
1903	—	—	—	—	—	5,152	2,007	153	—	—	—	—	—	—	—
1904	—	—	—	—	—	3,441	2,144	61	0.23	937	644	261	113	—	—
1905	—	—	—	—	—	5,491	2,500	163	—	—	—	—	—	—	—
1906	—	—	—	—	—	6,952	3,084	233	—	—	—	—	—	—	—
1907	—	—	—	—	—	7,362	5,353	275	—	—	—	—	—	—	—
1908	—	—	—	—	—	2,342	1,637	68	—	—	—	—	—	—	—
1909	—	—	345	—	—	2,887	2,749	87	0.17	828	588	364	64	—	—
1910	—	—	—	—	—	4,755	4,288	171	—	—	—	—	—	—	—
1911	—	—	—	—	—	3,530	3,466	62	—	—	—	—	—	—	—
1912	—	—	—	—	—	4,915	2,818	126	—	—	—	—	—	—	—
1913	—	—	—	—	—	5,332	2,779	186	—	—	—	—	—	—	—
1914	—	—	514	—	—	2,235	3,366	98	0.30	538	534	323	41	—	—
1915	—	—	—	—	—	2,085	1,866	70	—	—	—	—	—	—	—
1916	—	—	—	—	—	4,075	1,802	129	—	—	—	—	—	—	—
1917	—	—	—	—	—	5,446	1,955	140	—	—	—	—	—	—	—
1918	—	—	—	—	—	6,475	1,572	108	—	—	—	—	—	—	—
1919	—	— <sup>22</sup>	2,230 <sup>22</sup>	—	—	3,272	391	157	0.47	216	342	338	26	—	—
1920	—	—	—	—	—	3,672	903	76	—	—	—	—	—	—	—
1921	—	— <sup>22</sup>	596 <sup>22</sup>	—	—	1,823	1,159	46	0.22	34	67	218	8	489	—
1922	—	—	—	95	—	1,534	1,096	68	—	—	—	—	—	—	—
1923	190	— <sup>22</sup>	997 <sup>22</sup>	127	—	3,785	1,963	178	0.49	40	193	344	8	698	—
1924	—	—	—	112	—	2,036	2,491	115	—	—	—	—	—	—	—
1925	2,350	— <sup>22</sup>	642 <sup>22</sup>	158	—	1,285	2,383	109	0.30	22	196	303	4	742	—
1926	—	—	—	170	—	1,770	2,800	91	—	—	—	—	—	—	—
1927	1,980	59	988 <sup>22</sup>	185	—	1,176	1,975	64	0.26	8	112	212	3	862	—
1928	—	—	—	152	—	747	1,462	48	—	—	—	—	—	—	—
1929	4,980	152	603 <sup>22</sup>	196	—	1,161	2,202	85	0.31	4	106	121	3	962	—
1930	—	—	—	176	—	1,134	1,481	77	—	—	—	—	—	—	—
1931	3,743	74	—	62	—	222	290	14	0.26	1	27	51	1	529	—
1932	—	—	—	—	—	123	71	3	—	—	—	—	—	—	—
1933	3,648	30	—	—	—	63	7	2	0.32	1 <sup>26</sup>	53	—	—	416	—
1934	—	—	—	—	—	110	195	25	—	—	—	—	—	—	—
1935	5,669	23	—	138	19	205	205	9	0.66	1	98	61	2	824	—
1936	—	—	—	194	—	202	191	47	—	—	—	—	—	—	—
1937	7,728	58	—	238	22	615	629	79	1.13	1	106	103	—	1,116	—
1938	—	—	—	172	—	346	434	17	—	—	—	—	—	—	—
1939	9,839	475	—	186	24	355	276	26	1.26	1	52	111	—	930	—

Notes appear at end of table

(continued)

TABLE Dd366-436 Physical output of selected manufactured products: 1860-1997 *Continued*

Year	Electrical machinery			Transportation equipment						Miscellaneous				
	Household electronics			Railroad cars			Horse-drawn vehicles			Pianos	Organs	Typewriters		
	Radio receivers	Radio-phonograph combinations	Phonographs	Wheeled tractors	Truck trailers	Locomotives	Passenger	Freight	Bicycles				Carriages, buggies, and sulkies	Farm wagons, trucks, and business vehicles
										Dd423	Dd424	Dd425		
Thousand	Thousand	Thousand	Thousand	Thousand	Number	Number	Thousand	Million	Thousand	Thousand	Thousand	Thousand	Thousand	
1940	—	—	—	249	27 <sup>23</sup>	560	257	64	—	—	—	—	—	—
1941	—	—	—	313	42 <sup>23</sup>	1,107	349	83	—	—	—	—	—	—
1942	—	—	—	172	80	1,018	418	71	—	—	—	—	—	—
1943	—	—	—	105	197	1,164	685	75	—	—	—	—	—	—
1944	—	—	—	249	209	1,438	1,003	82	—	—	—	—	—	—
1945	—	—	—	244	33 <sup>23</sup>	3,213	931	55	—	—	—	—	—	—
1946	—	—	—	258	73	—	1,337	60	—	—	—	—	—	—
1947	14,067	3,415	760	433	53	1,718	861	96	2.88	—	218	148	—	1,493 <sup>28</sup>
1948	—	—	—	530	47	—	891	115	—	—	—	—	—	1,173 <sup>28</sup>
1949	—	—	—	556	34	—	933	95	—	—	—	—	—	1,074 <sup>28</sup>
1950	—	—	—	499	66	—	964	44	—	—	—	—	—	1,408 <sup>28</sup>
1951	—	—	—	564	65	—	179	96	—	—	—	—	—	1,533
1952	6,556	566	830	415	55	—	117	79	—	—	—	—	—	1,383
1953	7,260	524	1,494	390	93	—	386	84	—	—	—	—	—	1,295
1954	6,448	377	2,659	246	52	1,409	315	36	1.75	—	108	152	—	1,111 <sup>28</sup>
1955	7,929	507	3,919	330	74	—	886	38	—	—	—	—	—	1,258
1956	8,974	602	3,949	215	64	—	396	67	—	—	—	—	—	1,501
1957	8,604	735	3,943	229	58	—	705	97	—	—	—	—	—	1,645
1958	8,012	787	3,750	241	49	1,140	116	32	2.05 <sup>25</sup>	—	107	159	89	1,224
1959	9,568	771	3,481	260	68	—	—	—	—	—	—	—	—	1,283
1960	9,763	654	3,242	152	58	—	—	—	—	—	—	—	—	1,191
1961	10,350	853	3,343	171	51	—	—	—	—	—	—	—	—	1,130
1962	10,112	1,243	3,668	188	68	—	—	—	—	—	—	—	—	1,306
1963	9,313	1,244	3,699	203	78	686	266	33	3.81 <sup>25</sup>	—	94	214	142 <sup>27</sup>	1,307
1964	9,404	1,454	3,242	213	87	—	—	—	—	—	—	—	—	1,438
1965	12,744	1,662	4,057	244	104	—	—	—	—	—	—	—	—	1,486
1966	13,536	1,702	4,323	271	113	—	—	—	—	—	—	—	—	1,889
1967	9,362	1,730	3,828	242	97	1,418 <sup>24</sup>	72	63	4.87 <sup>25</sup>	—	92	199	—	1,928
1968	7,455	1,982	3,705	213	114	—	—	—	—	—	—	—	—	1,842
1969	5,941	1,842	3,941	196	138	—	—	—	—	—	—	—	—	1,626
1970	4,359	1,660	3,051	172	106	—	—	—	—	—	—	—	—	1,371 <sup>29</sup>
1971	2,570	1,786	3,098	168	104	—	—	—	—	—	—	—	—	—
1972	2,050	2,466	3,996	197	141	—	—	43	8.47	—	—	206	—	—
1973	1,667	2,747	685	212	165	—	—	—	—	—	—	—	—	1,297
1974	762	2,909	601	210	210	—	—	—	—	—	—	—	—	1,476
1975	501	2,158	369	213	78	—	—	—	—	—	—	—	—	1,270
1976	897	2,581	676	194	105	—	—	—	—	—	—	—	—	1,446
1977	870	2,531	785	189	161	—	556	54	7.35	—	—	164	253	1,406
1978	438	1,553	855	137	195	—	—	—	—	—	—	—	—	1,293
1979	346	1,549	625	160	210	—	—	—	—	—	—	—	—	1,925
1980	206	1,050	—	118	137	—	—	—	—	—	—	—	—	1,592
1981	125	834	—	118	122	—	—	—	—	—	—	—	—	1,479
1982	845	1,069	—	65	104	—	—	—	5.59	—	—	181	128	187
1983	1,071	1,103	—	46	118	—	—	—	—	—	—	—	—	230
1984	—	—	—	50	214	—	—	—	—	—	—	—	—	163

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Year	Electrical machinery			Transportation equipment						Miscellaneous				
	Household electronics			Railroad cars			Horse-drawn vehicles			Pianos	Organs	Typewriters		
	Radio receivers	Radio-phonograph combinations	Phonographs	Wheeled tractors	Truck trailers	Locomotives	Passenger	Freight	Bicycles				Carriages, buggies, and sulkyies	Farm wagons, trucks, and business vehicles
										Dd423	Dd424	Dd425		
Thousand	Thousand	Thousand	Thousand	Thousand	Number	Number	Thousand	Million	Thousand	Thousand	Thousand	Thousand	Thousand	
1985	—	—	—	31	180	—	—	—	—	—	—	—	—	116
1986	—	—	—	24	167	—	—	—	—	—	—	—	—	—
1987	—	—	—	22	180	—	—	—	6.05	—	—	101	—	—
1988	—	—	—	—	186	—	—	—	—	—	—	—	—	—
1989	—	—	—	—	181	—	—	—	—	—	—	—	—	—
1990	—	—	—	—	149	—	—	—	—	—	—	—	—	—
1991	—	—	—	—	122	—	—	—	—	—	—	—	—	—
1992	—	—	—	—	165	—	—	—	4.07	—	—	59	—	—
1993	—	—	—	—	186	—	—	—	—	—	—	—	—	—
1994	—	—	—	—	234	—	—	—	—	—	—	—	—	—
1995	—	—	—	—	279	—	—	—	—	—	—	—	—	—
1996	—	—	—	—	—	—	—	—	—	—	—	—	—	—
1997	—	—	—	—	—	—	—	—	—	—	—	—	—	—

(Z) Less than 500 short tons.

<sup>1</sup> Composition and coverage of many series changes over time; see text.

<sup>2</sup> Tufted only.

<sup>3</sup> Excludes separate coats.

<sup>4</sup> Includes boys' uniform clothing.

<sup>5</sup> Data for fifty-three weeks.

<sup>6</sup> Suits only. In 1992, the Census Bureau reported production of 10,032 thousand suits and 53,184 thousand coats.

<sup>7</sup> Coats only. In 1997, the Census Bureau reported production of 9,296 thousand suits and 69,427 thousand coats.

<sup>8</sup> Includes children's and infants'.

<sup>9</sup> Figures represent amount for sale.

<sup>10</sup> Represents only reported quantities produced. Not adjusted to include estimated production for establishments not reporting.

<sup>11</sup> Includes bicycle tires.

<sup>12</sup> Excludes motorcycle tires.

<sup>13</sup> Not reported because of disclosure rules.

<sup>14</sup> Bessemer included in Open Hearth.

<sup>15</sup> Represents shipments of steel products; comparable figure for 1968 is 91,856 thousand.

<sup>16</sup> Excludes amount produced and consumed in same works.

<sup>17</sup> Represents orders booked rather than shipments; comparable figure for 1944 is 226 thousand.

<sup>18</sup> Production rather than shipments.

<sup>19</sup> Listed as self-contained window sill type.

<sup>20</sup> Includes disk stoves and hotplates.

<sup>21</sup> Excludes other than free-standing ranges.

<sup>22</sup> For phonographs, amount produced, 1921-1929. Radio-phonograph combinations included with phonographs, 1919-1925.

<sup>23</sup> Civilian only.

<sup>24</sup> Includes rebuilt locomotives.

<sup>25</sup> Represents shipments. In 1963 and 1967, excludes children's two-wheel sidewalk cycles with semipneumatic tires.

<sup>26</sup> Includes two-wheeled carts.

<sup>27</sup> Represents electronic organs shipped.

<sup>28</sup> Excludes specialized typewriters.

<sup>29</sup> For October-December, excludes standard portable typewriters and specialized typewriters (that is, specialized composing typewriters, coded media typewriters, and input/output typewriters).

<sup>30</sup> No data in series before 1899.

**Series Dd366.** 1885-1908: Arthur F. Burns, *Production Trends in the United States since 1870* (National Bureau of Economic Research, 1934), pp. 300-1, 341. 1909-1970: National Canners Association, *Canned Food Pack Statistics, 1971-72*.

**Series Dd367.** 1885-1898, 1900-1903, and 1905-1907: Arthur F. Burns, *Production Trends in the United States since 1870* (National Bureau of Economic Research, 1934), pp. 300-1, 341. 1899 and 1904: National Canners Association, *Canned Food Pack Statistics, 1969-70*. 1908-1970: National Canners Association, *Canned Food Pack Statistics, 1971-72*.

**Series Dd368.** 1860-1914: E. Frickey, *Production in the United States, 1860-1914* (Harvard University Press, 1947), pp. 8-9, 135-9. 1915-1929: Arthur F. Burns, *Production Trends in the United States since 1870* (National Bureau of Economic Research, 1934), pp. 299, 339. 1931-1933: Solomon Fabricant, *The Output of Manufacturing Industries, 1899-1937* (National Bureau of Economic Research, 1940), p. 395 (data from Census of Manufactures). 1935-1970: U.S. Department of Agriculture, Economic Research Service: *Food Consumption, Prices, and Expenditures*, Agricultural Economic Report number 138 and Supplement for 1970. 1971-1995: U.S. Department of Agriculture, Economic Research Service, *An Economic Research Service Report: Food Consumption, Prices, and Expenditures, 1970-1995*.

**Series Dd369.** 1860-1914: E. Frickey, *Production in the United States, 1860-1914* (Harvard University Press, 1947), pp. 8-9, 139-43. 1919-1933: Solomon Fabricant, *The Output of Manufacturing Industries, 1899-1937* (National Bureau of Economic Research, 1940), pp. 382, 387. 1934-1995: U.S. Department of Agriculture, *Agricultural Statistics* (1952, 1967, 1971, 1980, 1988, 1995-1996, 1997).

**TABLE Dd366-436 Physical output of selected manufactured products: 1860-1997 Continued****Sources**

**Series Dd370-371.** 1922-1940: U.S. Bureau of the Census, *Animal and Vegetable Fats and Oils* (annual issues). 1941-1995: U.S. Bureau of the Census, *Current Industrial Reports M20k - Fats and Oils: Production, Consumption, and Stocks*, Summary Report 1996 and earlier years (prior to 1958, issued as series M17-1, M17-2, and M28). This series now appears as M311N, where the numbering system derives from the North American Industrial Classification System (NAICS). See the Introduction to Part D for a discussion of NAICS.

**Series Dd372.** 1870-1929: Arthur F. Burns, *Production Trends in the United States since 1870* (National Bureau of Economic Research, 1934), pp. 292-3. 1930-1932: U.S. Internal Revenue Service (formerly Bureau of Internal Revenue), unpublished data. 1933: U.S. Internal Revenue Service, *Annual Report of the Commissioner of Internal Revenue, 1936*. 1934-1970: U.S. Bureau of Alcohol, Tobacco, and Firearms, *Alcohol, Tobacco and Firearms, Summary Statistics, 1973*, p. 41. 1971-1995: Bureau of Alcohol, Tobacco, and Firearms, *Alcohol, Tobacco and Firearms, Summary Statistics, 1981-1982 and Statistical Release* (September each year beginning in 1977).

**Series Dd373-374.** 1870-1929: Arthur F. Burns, *Production Trends in the United States since 1870* (National Bureau of Economic Research, 1934), pp. 292-3. 1930-1933: U.S. Internal Revenue Service (formerly Bureau of Internal Revenue), *Annual Report of the Commissioner of Internal Revenue*, annual issues. 1934-1970: U.S. Bureau of Alcohol, Tobacco, and Firearms, *Alcohol, Tobacco and Firearms, Summary Statistics, 1973*, p. 20. 1971-1995: Bureau of Alcohol, Tobacco, and Firearms, *Alcohol, Tobacco and Firearms, Summary Statistics, 1981-1982 and Statistical Release* (September each year).

**Series Dd375-377.** 1870-1879: Edwin Frickey, *Production in the United States, 1860-1914*, Harvard Economic Studies (Harvard University Press, 1947), pp. 14-15, 189-93. 1880-1929: Arthur F. Burns, *Production Trends in the United States since 1870* (National Bureau of Economic Research, 1934), pp. 296-9. 1930-1995: U.S. Department of Agriculture, *Agricultural Statistics* (1952, 1957, 1962, 1967, 1971, 1997).

**Series Dd376-377.** 1870-1879: Edwin Frickey, *Production in the United States, 1860-1914*, Harvard Economic Studies (Harvard University Press, 1947), pp. 14-15, 189-93. 1880-1929: Arthur F. Burns, *Production Trends in the United States since 1870* (National Bureau of Economic Research, 1934), pp. 296-9. 1930-1939 and 1941-1949: U.S. Internal Revenue Service (formerly Bureau of Internal Revenue), *Annual Report of the Commissioner of Internal Revenue* (various issues). 1940, 1950-1995: U.S. Department of the Treasury, *Alcohol and Tobacco Summary Statistics* (annual issues, usually September).

**Series Dd378.** 1933-1946: U.S. Bureau of the Census, *Current Industrial Reports: Underwear and Allied Products: Underwear, Knit Cloth, and Knit Fabric Gloves, and Underwear and Knit Cloth for Sale*, series M67C. 1947-1965: U.S. Bureau of the Census, *Knit Cloth for Sale*, 1966-1970: U.S. Bureau of the Census, *Shipments of Knit Cloth*, series M22X, series MQ22K (summary issues). 1971-1995: U.S. Bureau of the Census, *Current Industrial Reports: Shipments of Knit Cloth, Including Interplant Transfers* (summary issues).

**Series Dd379.** 1899-1947: U.S. Bureau of the Census, *Census of Manufactures reports*. 1954-1995: U.S. Bureau of the Census, *Current Industrial Reports, Carpets and Rugs*, series M22L and MQ22X (summary issues).

**Series Dd380-381.** 1911-1939: *Textile Organon-Base Book of Textile Statistics* 33 (January 1962). 1940-1955: *Textile Organon* 42 (January-February 1971). 1956-1970: *Textile Organon* 42 (March 1971 and assorted issues thereafter). Beginning in 1989, the journal was renamed *Fiber Organon*. Most recent data (1982 onward) from *Fiber Organon* 71 (March 2000), Tables 3 and 4.

**Series Dd382-383.** U.S. Bureau of the Census, *Current Industrial Reports: Annual Apparel Surveys*, series MA23A or MQ23A (1997 and earlier years, summary issues).

**Series Dd384 and Dd388.** 1899-1939: U.S. Bureau of the Census, *Census of Manufactures reports*. 1940-1994: U.S. Bureau of the Census, *Current Industrial Reports: Inorganic Chemicals*, series M28A, and *Current Industrial Reports: Inorganic Fertilizer Chemicals*, series M28B (summary issues).

**Series Dd385.** 1899-1927: U.S. Bureau of the Census unpublished census data. 1929-1995: *Current Industrial Reports: Inorganic Chemicals*, series M28A (summary issues).

**Series Dd386.** 1899-1947: U.S. Bureau of the Census, *Census of Manufacturers* (various census years). 1953-1996: U.S. Bureau of the Census, *Current Industrial Reports: Paint, Varnish, and Lacquer*, series MA28F (summary issues).

**Series Dd389.** 1860-1954: U.S. Department of Agriculture, *Statistics on Fertilizers and Liming Materials in the United States*, Statistical Bulletin number 191 (April 1957), p. 43. 1955-1957: U.S. Bureau of the Census, *Facts for Industry*, series M19D-06 and M19D-08. 1958-1995: U.S. Bureau of the Census, *Current Industrial Reports: Inorganic Fertilizer Materials and Related Acids*, series M28B (summary issues).

**Series Dd395.** U.S. Bureau of the Census, *Census of Manufactures* (various census years).

**Series Dd396-397.** 1899-1919: Solomon Fabricant, *The Output of Manufacturing Industries, 1899-1937* (National Bureau of Economic Research, 1940). 1921-1954: U.S. Bureau of the Census, *Statistical Abstract of the United States* (various issues). 1955-1995: U.S. Bureau of the Census, *Current Industrial Reports: Shoes and Slippers*, series M31A.

**Series Dd398.** 1869-1899 (decennially), 1904, 1909, 1914, 1919-1939 (biennially), 1947, 1954, 1958, 1963, and 1967: U.S. Bureau of the Census, *Census of Manufactures* (various years). 1899-1912: U.S. Geological Survey, *Mineral Resources of the United States* (various issues). 1913-1959: U.S. Bureau of the Census, *Facts for Industry: Clay Construction Products* (summary issues). 1960-1995: U.S. Bureau of the Census, *Current Industrial Reports*, series M320, *Clay Construction Products* (summary issues).

**Series Dd399-405.** American Iron and Steel Institute, *Annual Statistical Report* (various issues).

**Series Dd407.** 1860-1872: E. Frickey, *Production in the United States, 1860-1914* (Harvard University Press, 1947). 1873-1995: American Iron and Steel Institute, *Annual Statistical Report* (various issues).

**Series Dd408.** 1925-1947: U.S. Bureau of the Census, *Census of Manufactures* (various census years). 1952-1987: *Current Industrial Reports*, series BDSAF-84, *Shipments of Copper-Base Mill and Foundry Products* (summary issues).

**Series Dd409-414, Dd426, and Dd436.** U.S. Bureau of the Census, *Current Industrial Reports* (summary issues), for the following series: series M34D, *Metal Cans*; series M34N, *Heating and Cooking Equipment (Except Electric)*; series MA35L, *Internal Combustion Engines*; series M35S, *Tractors (Except Garden Tractors)*; series M35W, *Metalworking Machinery*; and series M35C, *Type-writers*.

**Series Dd415-416.** 1914-1958: U.S. Bureau of the Census, *Census of Manufacturers* (various census years). 1959-1995: U.S. Bureau of the Census, *Current Industrial Reports*, series M35H, *Motors and Generators* (summary issues).

**Series Dd417.** U.S. Bureau of the Census, *Current Industrial Reports*, series M35M, *Air-Conditioning and Refrigeration Equipment* (summary issues).

**Series Dd418-420.** 1921-1937: Solomon Fabricant, *The Output of Manufacturing Industries, 1899-1937* (National Bureau of Economic Research, 1940), p. 585. 1947-1977: U.S. Bureau of the Census, *Census of Manufactures* (various census years). 1982-1995: U.S. Bureau of the Census, *Current Industrial Reports*, series MA35F, *Major Household Appliances* (summary issues).

**Series Dd421-425 and Dd427.** Through 1939: U.S. Bureau of the Census, *Census of Manufactures* (various census years). Thereafter: U.S. Bureau of the Census, *Current Industrial Reports* (various issues), for the following series: series M36B and M36D, *Electric Lamps*; series MA36M, *Home-Type Radio Receivers and Television Sets, Automobile Radios, Phonographs, and Record Player Attachments*; and series M37L, *Truck Trailers*.

**Series Dd428.** 1880-1929: Arthur F. Burns, *Production Trends in the United States since 1870* (National Bureau of Economic Research, 1934), pp. 300-1. 1930-1945: American Railway Car Institute, *Railway Age: Annual Statistical and Outlook Number* (January 6, 1945), p. 91, and *Annual Statistical and Outlook Number* (January 5, 1946), p. 88. 1947-1967: U.S. Bureau of the Census, *Census of Manufactures* (various census years).

**TABLE Dd366-436 Physical output of selected manufactured products: 1860-1997 Continued**

**Series Dd429-430.** 1871-1914: Edwin Frickey, *Production in the United States, 1860-1914*, Harvard Economic Studies (Harvard University Press, 1947), pp. 14-15, 193-7, 1915-1919: American Railway Car Institute, *Railway Age, Annual Statistical and Outlook Number* (January 7, 1939), p. 83, 1920-1957: *Railway Age, Annual Statistical and Outlook Number* (most recently titled *Review and Outlook*) (various issues), 1958-1977: U.S. Bureau of the Census, *Census of Manufactures* (various census years).

**Series Dd431-435.** Through 1937: Solomon Fabricant, *The Output of Manufacturing Industries, 1899-1937* (National Bureau of Economic Research, 1940), pp. 585, 590, 597-8. Beginning 1939: U.S. Bureau of the Census, *Census of Manufactures* (various census years).

**Documentation**

Except as noted, figures represent commodities produced. Some of the exceptions are mentioned here; others are noted in this section or in the footnotes. Figures for the following represent commodities shipped: series Dd378-379, Dd408-411, Dd414-418, Dd420, Dd423-425, Dd427, and Dd436, except for the figures through 1939 for series Dd378, Dd408, Dd415-416, Dd418, Dd420, and Dd423-424, which represent amounts produced.

**Series Dd366-367.** A case consists of twenty-four number 2 cans. The successor trade association to the National Canners Association, the National Food Processors Association, no longer makes these production statistics available and they have not been updated beyond 1970.

**Series Dd367.** The figures for 1885-1907 were published in the unit case of twenty-four number 3 cans. They have been converted to a unit case of twenty-four number 2 cans by multiplying by 1.707. The conversion factor is taken from National Canners Association, *Canned Food Pack Statistics: 1940, Part 1, Vegetables* (March 1941), p. 19. Except for some of the early historical data, which came from reports of the Bureau of the Census, the data have been compiled by the National Canners Association with the cooperation of state, regional, and commodity associations.

**Series Dd368.** Estimates are based on commercial production of wheat flour reported by the Bureau of the Census and the U.S. Department of Agriculture. They include flour milled from foreign wheat plus the estimated flour equivalent of farm wheat ground for flour or exchanged for flour for farm household use.

**Series Dd369.** Figures represent aggregate production of cane-sugar refiners and beet-sugar factories less imports of direct consumption sugar.

**Series Dd371.** Through 1958, figures cover shortening only; data for salad and cooking oils were not collected. Beginning in 1959, figures represent the sum of baking fats plus soybean and other cooking oils. Beginning in 1974, figures also include 100 percent vegetable oil.

**Series Dd372-374 and Dd376.** For 1971-1976, figures are for year ending June 30; thereafter, September 30.

**Series Dd372.** A barrel contains 31 wine gallons, each of 231 cubic inches. For the period 1920-1933, Prohibition restricted legal production to "near beer" with an alcohol content of less than 0.5 percent. Prohibition went into effect January 16, 1920 and ended effective April 7, 1933. The figure for 1933 includes 1,589 thousand barrels produced prior to April 7. Alcoholic content limited to 3.2 percent by weight from April 7 to December 5, 1933.

**Series Dd373-374.** Figures are in taxable gallons, which for spirits of 100 proof or more is equivalent to a proof gallon (which itself is the alcoholic equivalent of a U.S. gallon of 231 cubic inches at 60 degrees F, containing 50 percent ethyl alcohol), while for spirits of less than 100 proof is equivalent to a U.S. gallon of 231 cubic inches. The computation of taxable gallons excludes all fractional parts of a proof gallon less than one tenth. Pre-1977 figures are for years ending June 30 and include data for Hawaii; beginning in 1928, they also include data for Puerto Rico. Beginning in 1977, figures cover periods from October of the previous year through September of the current year. For July, August, and September of 1976, production totaled 166,556 thousand taxable gallons and beverage availability totaled 154,030 thousand taxable gallons. Series Dd373 includes industrial alcohol for all years. Series Dd374 was derived by deducting figures for tax-free withdrawals (that is, industrial alcohol) from total distilled spirits production. Tax-free withdrawals

in 1995 were not reported on a comparable basis. Post-1995 data are not comparable with either series and are therefore not reported. According to the Bureau of Alcohol, Tobacco, and Firearms (ATF, a division of the U.S. Treasury), Statistics for July 1996 and beyond are not available. However, ATF has undertaken a project to automate the collection and compiling of these statistics.

**Series Dd376-377.** For 1940 and 1950-1970, includes large and small sizes.

**Series Dd378.** Beginning in 1974, series changed to total knit fabric.

**Series Dd380-381.** Figures represent yarns available.

**Series Dd380.** For 1941-1970, figures for rayon and acetate are as actually reported by the entire industry; earlier data are estimated totals based on reports obtained from 86 percent or more of the industry, with adjustments for complete coverage in accordance with information from the Census of Manufactures. Figures represent producers' domestic shipments plus imports of yarn and exclude staple, tow, waste, and other rayon and acetate products. Data for rayon relate to manmade fibers produced by the viscose, cuprammonium, and nitrocellulosic processes (the latter process discontinued after 1934). Rayon horsehair and straw are included in the filament yarn figures for 1952-1970 (for 1940-1951, production of these items averaged just under 1 million pounds per year). Acetate means manmade fibers composed of cellulose acetate and triacetate.

**Series Dd381.** Data include producers' domestic shipments plus imports of yarn and exclude staple and tow.

**Series Dd382-383.** Restrictions on the disclosure of information about individual companies has led to various inconsistencies in the reporting of recent data.

**Series Dd382.** Men's and boys' suits and separate coats represent (1) men's suits, excluding ski, slack, snow, and uniform; (2) men's tailored dress and sport coats and jackets, excluding uniform; (3) boys' tailored dress and sport coats; and (4) boys' suits, including students', cadets', and junior boys'.

**Series Dd383.** Beginning in 1972, covers dresses sold at a unit price. Women's, misses', and juniors' dresses include both dresses sold at a unit price and those sold at a dozen-price.

**Series Dd384.** For 1939-1949, figures exclude flakes and powders; for 1939-1942, also excludes solids.

**Series Dd385.** Figures are combined totals for sulfuric acid produced by the contact and chamber processes, including spent acid fortified in the contact plants with the simultaneous production of new acid. Production by government-owned plants during the World War II period, which was large, is not included because this production was available primarily for military use. However, for 1954-1970, appreciable amounts of sulfuric acid produced in government-owned privately operated plants are included. Figures for 1946-1950 include estimates based on annual totals of by-product operations of a few smelters reporting to the Bureau of Mines; the estimated data included vary from 4 percent in 1946 to 2 percent in 1950. For 1899-1939, figures are based on reports of the Census of Manufactures; they are shown in those reports on a 50 degree Baume basis but are here converted to 100 percent H<sub>2</sub>SO<sub>4</sub>. Beginning in January 1948, figures are not strictly comparable with earlier data because of the inclusion of additional plants; however, the addition of these plants increased the production of the specified chemical by less than 3.5 percent.

**Series Dd387-388.** Covers 100 percent NH<sub>3</sub>. Series Dd388 ends in 1979.

**Series Dd396-397.** Includes nonrubber footwear and the production of shoes with vulcanized soles, excluding shoes for juveniles, athletic footwear, and slippers.

**Series Dd398.** The figures for 1869 and 1879 are for common brick only. For 1889, 1899, and 1904, the production of fancy or ornamental brick has been added to the production of face brick; the reason being that the best grade of face or front brick appears to have been classified as fancy or ornamental brick in these years. Beginning in 1943, common and face brick are classified as unglazed brick.

**TABLE Dd366-436 Physical output of selected manufactured products: 1860-1997 Continued**

<b>Series Dd404.</b> Beginning in 1946, includes crucible steel.	<b>Series Dd422.</b> Home-type radio receivers and radio-phonograph combinations for 1923-1939 include automobile sets.
<b>Series Dd405.</b> Figures include rails, plates and sheets, merchant bar and skelp production, wire rods, and structural shapes.	<b>Series Dd428.</b> Beginning in 1947, figures represent shipments. For 1905-1945, Canadian output is included although the U.S. output is shown separately beginning with 1929 (see, for example, <i>Railway Age, Annual Statistical Number</i> , January 4, 1947). For 1880-1911, locomotives built in railroad repair shops are excluded. For 1942-1944, figures exclude locomotives built for U.S. Government and for the lend-lease program. This series was discontinued when the new traction power was supplied almost exclusively by diesel units. A locomotive may be composed of one or more diesel units.
<b>Series Dd406-407.</b> These are components of series Dd405, hot rolled iron and steel.	<b>Series Dd429-430.</b> For 1871-1919, figures represent domestic production of passenger cars, exclusive of that in railroad repair shops. For 1920-1957, figures represent passenger train cars delivered; thereafter, shipments.
<b>Series Dd408.</b> Figures represent rolled, drawn, and extruded copper and copper-based alloy products shipped.	<b>Series Dd431.</b> For 1899-1921, figures relate to products made within the industry (as classified by the Bureau of the Census); for 1923-1967, figures relate to all products made regardless of the industry classification of the establishment.
<b>Series Dd407.</b> Figures include both iron and steel rails, re-rolled rails, and girder and high T rails. For 1860-1867, figures include production of iron rails only.	<b>Series Dd432.</b> For 1899-1925, excludes sulkes.
<b>Series Dd409.</b> Through 1960, represents thousands of short tons of metal consumed in manufacture of cans. Comparable figure for 1961 is 5,039 thousand. Beginning in 1961, figures represent tinplate cans shipped. A base box is a unit of area equivalent to 31,360 square inches.	<b>Series Dd433.</b> For 1899-1914, includes patrol wagons, ambulances, hand-carts, and pushcarts. For 1919-1925, figures exclude mail carrier wagons and public conveyances and relate to products made within the industry (as classified by the Bureau of the Census).
<b>Series Dd410.</b> Includes oil- and gas-fired furnaces sold as component parts of year-round air-conditioning units.	<b>Series Dd435.</b> Represent reed organs for 1899-1935, electronic organs thereafter.
<b>Series Dd418.</b> For 1925-1937, covers 2.5 kilowatts and higher.	<b>Series Dd436.</b> Except as noted, standard electric and manual and portable models are included. Series discontinued.
<b>Series Dd419.</b> Through 1937, figures represent sales.	
<b>Series Dd421.</b> Figures through 1919 are not strictly comparable with later years because of changes in classification.	