

This PDF is a selection from an out-of-print volume from the National Bureau of Economic Research

Volume Title: Growth of Industrial Production in the Soviet Union

Volume Author/Editor: G. Warren Nutter assisted by Israel Borenstein and Adam Kaufman

Volume Publisher: Princeton University Press

Volume ISBN: 0-87014-074-4

Volume URL: <http://www.nber.org/books/nutt62-1>

Publication Date: 1962

Chapter Title: Appendix E: Output Data for the United States

Chapter Author: G. Warren Nutter, Israel Borenstein, Adam Kaufman

Chapter URL: <http://www.nber.org/chapters/c1985>

Chapter pages in book: (p. 581 - 613)

APPENDIX E

Output Data for the United States

General Note

THE output series for the United States used in this study are given in Tables E-1 and E-2 below. Since these data were compiled in order to compare the growth of individual industries in the Soviet Union and the United States, the basic U.S. data have, in some cases, been adjusted to match counterpart Soviet data as closely as possible in coverage and units of measurement. The basic sources for the U.S. data are as follows: 598, 607, 608, 609, 613, 618, 619, 626, 634, 635, 636, 637, 638, 649, 652, and 656.

Additional sources, coverage that might be ambiguous, and adjustments are briefly described in the notes following the tables. All data given in short tons or pounds in the original source have been converted into metric tons.

APPENDIX E

TABLE E-1
 OUTPUT SERIES: UNITED STATES, 1870-1955

	101 Pig Iron (th. m.t.)	102 Rolled Steel (mill. m.t.)	103 Steel Ingots and Castings (mill. m.t.)	201 Primary Aluminum (th. m.t.)	202 Copper (th. m.t.)
1870	1,692		0.070		12.80
1871	1,734		0.074		13.21
1872	2,590		0.145		12.70
1873	2,602		0.202		15.75
1874	2,440		0.219		17.78
1875	2,056		0.396		18.29
1876	1,899		0.542		19.30
1877	2,100		0.579		21.34
1878	2,338		0.744		21.85
1879	2,786		0.950		23.37
1880	3,897		1.27		27.43
1881	4,211		1.61		32.51
1882	4,697		1.76		41.57
1883	4,669		1.70	0.00004	53.14
1884	4,164		1.58	0.00007	67.04
1885	4,109	3.15	1.74	0.00013	77.55
1886	5,775	4.45	2.60	0.001	73.60
1887	6,520	5.32	3.39	0.008	84.02
1888	6,594	4.69	2.95	0.009	104.9
1889	7,726	5.32	3.44	0.021	105.2
1890	9,350	6.12	4.35	0.028	120.6
1891	8,413	6.49	3.97	0.068	134.2
1892	9,304	6.27	5.01	0.118	160.2
1893	7,239	5.06	4.08	0.098	154.1
1894	6,764	4.72	4.48	0.224	165.5
1895	9,598	6.29	6.21	0.227	175.1
1896	8,761	5.61	5.37	0.455	211.4
1897	9,808	7.11	7.27	1.08	229.6
1898	11,963	8.65	9.08	1.36	247.8
1899	13,839	10.46	10.81	1.48	268.7
1900	14,011	9.64	10.35	2.30	291.4
1901	16,133	12.55	13.69	2.60	302.1
1902	18,107	14.17	15.19	2.61	317.3
1903	18,298	13.42	14.77	3.01	331.1
1904	16,762	12.21	14.08	3.67	386.2
1905	23,361	17.11	20.35	4.90	461.3
1906	25,713	19.90	23.77	6.41	489.5
1907	26,195	20.18	23.74	7.40	468.3
1908	16,192	12.02	14.25	4.84	516.2
1909	26,209	19.96	24.34	13.19	716.7

(continued)

TABLE E-1 (continued)

	101 Pig Iron (th. m.t.)	102 Rolled Steel (mill. m.t.)	103 Steel Ingots and Castings (mill. m.t.)	201 Primary Aluminum (th. m.t.)	202 Copper (th. m.t.)
1910	27,742	21.97	26.51	16.06	730.7
1911	24,029	19.35	24.06	17.42	747.5
1912	30,204	25.05	31.75	18.96	836.0
1913	31,463	25.19	31.79	21.45	856.4
1914	23,707	18.67	23.89	26.30	811.7
1915	30,396	24.78	32.67	41.05	919.2
1916	40,068	32.90	43.46	52.21	134.2
1917	39,241	33.60	45.78	58.90	1,446
1918	39,681	31.66	45.18	56.57	1,406
1919	31,513	25.51	35.23	58.28	1,063
1920	37,519	32.87	42.81	62.61	975.7
1921	16,956	15.01	20.10	24.74	628.4
1922	27,657	26.88	36.17	33.40	874.2
1923	41,009	33.81	45.66	58.36	1,271
1924	31,910	28.54	38.54	68.29	1,377
1925	37,289	33.92	46.12	63.56	1,381
1926	40,005	36.07	49.07	66.85	1,489
1927	37,152	33.41	45.66	74.21	1,500
1928	38,768	38.27	52.37	95.50	1,615
1929	43,298	41.73	57.34	103.4	1,811
1930	32,262	29.99	41.35	103.9	1,402
1931	18,722	19.48	26.36	80.53	995.8
1932	8,687	10.62	13.90	47.58	534.0
1933	13,236	17.00	23.61	38.61	643.1
1934	15,938	19.27	26.47	33.65	746.4
1935	21,161	24.35	34.64	54.11	941.4
1936	30,739	34.34	48.53	102.0	1,186
1937	36,725	37.36	51.38	132.8	1,451
1938	18,881	21.38	28.80	130.1	1,045
1939	31,575	35.44	47.90	148.4	1,369
1940	41,916	44.14	60.77	187.1	1,674
1941	49,973	56.54	75.15	280.4	1,925
1942	53,594	56.65	78.05	472.7	2,125
1943	55,125	57.42	80.59	834.8	2,236
1944	55,342	59.70	81.32	704.4	1,971
1945	48,284	54.26	72.30	449.1	1,919
1946	40,680	46.21	60.42	371.6	1,526
1947	52,914	60.06	77.01	518.7	1,925
1948	54,497	62.77	80.41	565.6	1,887
1949	48,374	55.23	70.74	547.5	1,489
1950	58,513	68.21	87.85	651.9	2,011
1951	63,755	74.31	95.44	759.2	1,941
1952	55,618	64.73	84.52	850.3	1,888
1953	67,906	77.97	101.3	1,136	2,043
1954	52,569	62.11	80.11	1,325	1,861
1955	70,524	82.24	106.2	1,420	2,088

(continued)

APPENDIX E

TABLE E-1 (continued)

	203 Lead (th. m.t.)	204 Zinc (th. m.t.)	301 Electric Power (mill. kwh)	303.1 Coke (mill. m.t.)
1870	16.18	4.90		
1871	18.12	6.26		
1872	23.33	7.08		
1873	38.05	8.71		
1874	46.48	11.88		
1875	53.15	15.15		
1876	57.10	15.42		
1877	72.92	14.15		
1878	80.86	17.78		
1879	82.41	19.32		
1880	86.84	22.77		3.0
1881	103.9	27.45		3.7
1882	117.7	30.63	0.80	4.4
1883	127.3	33.45		5.0
1884	123.7	34.97		4.4
1885	114.5	36.91		4.6
1886	119.9	38.68		6.2
1887	142.1	45.67		6.9
1888	159.7	50.71		7.7
1889	161.8	53.40		9.3
1890	143.2	57.77		10.4
1891	179.9	73.37		9.4
1892	188.9	79.16		10.9
1893	203.5	71.52		8.6
1894	193.8	68.34		8.3
1895	213.9	81.36		12.1
1896	233.6	73.93		10.7
1897	256.0	90.70		12.1
1898	274.1	104.7		14.5
1899	270.4	117.1		17.9
1900	333.6	112.4		18.6
1901	336.6	127.7		19.8
1902	333.7	142.4	5,969	23.0
1903	334.7	144.4		23.0
1904	356.9	169.4		21.5
1905	352.3	184.9		29.2
1906	367.2	203.9		33.0
1907	398.3	226.7	14,121	37.0
1908	376.5	190.9		23.6
1909	443.3	262.0		35.7

(continued)

OUTPUT DATA FOR THE UNITED STATES

TABLE E-1 (continued)

	203 Lead (th. m.t.)	204 Zinc (th. m.t.)	301 Electric Power (mill. kwh)	303.1 Coke (mill. m.t.)
1910	476.9	281.6		37.8
1911	491.0	296.7		32.3
1912	497.2	354.8	24,752	39.9
1913	485.6	359.9		42.0
1914	547.2	359.3		31.4
1915	570.6	492.1		37.7
1916	605.5	651.5		49.4
1917	638.9	635.9	43,429	50.4
1918	668.9	494.5		51.3
1919	548.2	458.7		40.1
1920	593.6	459.2	56,559	46.5
1921	501.1	212.6	53,125	23.0
1922	628.0	384.3	61,204	33.7
1923	737.4	522.2	71,399	51.7
1924	811.9	522.7	75,892	40.2
1925	901.6	575.5	84,666	46.5
1926	976.3	619.6	94,222	51.6
1927	973.0	596.3	101,390	46.4
1928	988.5	610.8	108,069	47.9
1929	984.9	626.7	116,747	54.3
1930	815.4	574.6	114,637	43.5
1931	614.6	363.4	109,373	30.4
1932	435.7	261.0	99,359	19.7
1933	442.9	396.4	102,655	33.2
1934	471.4	417.4	110,404	28.8
1935	539.7	499.7	118,935	31.8
1936	600.6	594.1	136,006	42.0
1937	673.5	657.3	146,476	47.4
1938	552.1	514.4	141,955	29.5
1939	658.2	647.9	161,308	40.2
1940	719.9	814.0	179,907	51.8
1941	878.5	1,003	208,306	59.1
1942	807.3	1,109	233,146	64.0
1943	736.4	1,189	267,540	65.0
1944	722.3	1,102	279,524	67.2
1945	731.7	1,021	271,254	61.1
1946	663.1	933.4	269,609	53.1
1947	864.5	1,010	307,400	66.7
1948	822.6	1,009	336,808	67.9
1949	807.0	954.9	345,066	57.7
1950	898.7	1,061	388,674	66.0
1951	848.9	1,085	433,358	71.9
1952	856.5	1,102	463,056	62.0
1953	866.1	1,098	514,164	71.5
1954	877.8	1,029	544,644	54.1
1955	891.9	1,223	629,010	68.2

(continued)

APPENDIX E

TABLE E-1 (continued)

	305 Crude Petroleum (th. m.t.)	306 Natural Gas (mill. m ³)	310 Coal (mill. m.t.)	401 Soda Ash (th. m.t.)	402 Caustic Soda (th. m.t.)	404 Sulfuric Acid (th. m.t.)
1870	718		29.97			
1871	716		42.53			
1872	866		46.68			
1873	1,362		52.26			
1874	1,504		47.72			
1875	1,209		47.49			
1876	1,257		48.33			
1877	1,837		54.87			
1878	2,119		52.56			
1879	2,741		61.79	18.2		
1880	3,618		64.85			
1881	3,807		77.91			
1882	4,177	96	93.94			
1883	3,227	218	105.0			
1884	3,333	680	109.0			
1885	3,008	2,152	100.8			
1886	3,863	4,446	103.1			
1887	3,893	6,824	118.5			
1888	3,800	9,713	134.9			
1889	4,840	7,079	128.0	151.0		
1890	6,307	6,768	143.1			
1891	7,472	5,183	152.9			
1892	6,952	4,502	162.7			
1893	6,665	4,219	165.4			
1894	6,791	4,078	154.9			
1895	7,279	3,879	175.2			
1896	8,390	3,964	174.2			
1897	8,323	4,219	181.7			
1898	7,620	4,899	199.6			
1899	7,853	6,315	230.2	354.7	151.5	307
1900	8,756	6,711	244.7			
1901	9,550	7,476	266.1			
1902	12,217	7,957	273.6			
1903	13,826	8,438	324.2			
1904	16,114	8,778	319.2	470.8	78.7	611
1905	18,541	9,939	356.3			
1906	17,409	11,011	375.7			
1907	22,859	11,514	435.8			
1908	24,570	11,387	377.3			
1909	25,209	13,612	418.0	586.0	119.7	998

(continued)

OUTPUT DATA FOR THE UNITED STATES

TABLE E-1 (continued)

	305 Crude Petroleum (th. m.t.)	306 Natural Gas (mill. m ³)	310 Coal (mill. m.t.)	401 Soda Ash (th. m.t.)	402 Caustic Soda (th. m.t.)	404 Sulfuric Acid (th. m.t.)
1910	28,841	14,418	455.0			
1911	30,340	14,526	450.3			
1912	30,682	15,920	484.9			
1913	34,193	16,478	517.1			
1914	36,576	16,760	465.9	848.2	193.2	1,690
1915	38,688	17,799	482.3			
1916	41,394	21,328	535.3			
1917	46,149	22,515	590.9			
1918	48,985	20,417	615.3			
1919	52,074	21,122	502.5	934.4	274.0	2,000
1920	60,959	22,603	597.2			
1921	64,985	18,747	459.4	704.0	209.6	1,810
1922	76,731	21,593	432.7			
1923	100,799	28,515	596.8	1,143	391.0	2,990
1924	98,258	32,324	518.6			
1925	105,112	33,657	527.9	1,243	441.8	2,980
1926	106,093	37,181	596.7			
1927	124,020	40,930	542.4	1,334	496.2	2,970
1928	124,067	44,405	522.6			
1929	138,635	54,303	552.3	1,672	657.7	3,880
1930	123,591	55,032	487.1			
1931	117,132	47,755	400.7	1,370	575.2	3,430
1932	108,059	44,061	326.2			
1933	124,643	44,046	347.6	1,497	585.1	2,390
1934	124,975	50,142	377.9			
1935	137,159	54,272	385.1	1,696	653.2	3,630
1936	151,347	61,386	447.9			
1937	176,047	68,177	451.2	2,105	813.7	4,490
1938	167,128	65,003	358.0			3,720
1939	174,093	70,134	404.9	2,564	948.0	4,350
1940	186,239	75,330	464.7			5,180
1941	192,985	79,646	517.6	3,272	1,296	6,140
1942	190,840	86,465	583.3	3,437	1,428	7,030
1943	207,213	96,694	590.4	3,999	1,614	7,660
1944	230,925	105,086	619.9	4,117	1,697	8,380
1945	235,846	110,965	573.8	3,969	1,691	8,640
1946	238,637	114,135	539.3	3,886	1,699	8,350
1947	255,572	129,753	624.0	4,100	1,936	9,590
1948	278,033	145,777	595.7	4,150	2,156	10,400
1949	253,501	153,471	436.0	3,553	2,017	10,370
1950	271,618	177,889	508.4	3,621	2,278	11,820
1951	309,346	211,170	522.8	4,620	2,818	12,130
1952	315,144	226,917	460.3	4,030	2,750	12,070
1953	324,399	237,776	442.9	4,426	2,959	12,700
1954	318,606	247,563	380.2	4,265	3,079	12,700
1955	341,938	264,484	448.5	4,451	3,542	14,296

(continued)

APPENDIX E

TABLE E-1 (continued)

	405 Mineral Fertilizer (th. m.t.)	412 Synthetic Dyes (m.t.)	416 Paper (th. m.t.)	418 Motor Vehicle Tires (millions)	506 Cement (mill. m.t.)
1870	79.9				
1871	59.0				
1872	45.0				
1873	96.3				
1874	105.6				
1875	93.9				
1876	97.0				
1877	104.8				
1878	156.0				
1879	137.4		392.0		
1880	331.4				0.35
1881	461.9				0.43
1882	516.8				0.55
1883	567.6				0.71
1884	562.2				0.68
1885	557.0				0.71
1886	568.7				0.77
1887	575.7				1.18
1888	675.7				1.11
1889	839.7		724.1		1.17
1890	669.4				1.33
1891	784.9				1.40
1892	641.8				1.49
1893	867.0				1.36
1894	837.8				1.43
1895	865.6				1.49
1896	850.1				1.62
1897	916.5				1.88
1898	141.2				2.11
1899	132.0	3,492	1,604		2.70
1900	1,768			0.016	2.94
1901	1,581				3.42
1902	1,406				4.39
1903	1,590				5.10
1904	2,000	4,826	2,310		5.40
1905	1,823				6.84
1906	2,056				8.70
1907	2,189				8.91
1908	2,096				9.02
1909	2,290		2,938		11.37

(continued)

TABLE E-1 (continued)

	405 Mineral Fertilizer (th. m.t.)	412 Synthetic Dyes (m.t.)	416 Paper (th. m.t.)	418 Motor Vehicle Tires (millions)	506 Cement (mill. m.t.)
1910	2,875				13.27
1911	3,125				13.57
1912	3,071				14.22
1913	2,959				15.85
1914	2,973	2,994	3,504	8.00	15.19
1915	2,596				14.79
1916	2,837				15.75
1917	4,010	20,865			15.94
1918	3,991	26,535			12.20
1919	3,102	28,758	3,716	32.8	13.87
1920	5,040	40,052			17.19
1921	2,253	17,690	3,259	27.3	16.95
1922	2,891	29,302			19.72
1923	3,735	42,502	4,609	45.4	23.66
1924	3,775	31,162			25.72
1925	4,903	39,145	5,181	58.8	27.87
1926	4,703	39,916			28.42
1927	4,322	43,182	5,654	63.5	29.90
1928	5,120	43,817			30.44
1929	5,056	50,530	6,069	68.7	29.49
1930	5,360	39,236		51.0	27.80
1931	3,594	37,875	5,018	48.7	21.60
1932	2,436	32,341		40.1	13.17
1933	3,452	45,813	4,636	45.3	10.91
1934	3,743	39,553		47.2	13.37
1935	4,069	46,221	5,242	49.4	13.26
1936	4,767	54,204		56.3	19.52
1937	5,881	55,429	6,384	53.3	20.14
1938	5,302	37,104		40.9	18.28
1939	5,677	54,522	6,718	57.6	21.27
1940	6,421	57,969		59.2	22.64
1941	7,233	76,521		61.5	28.47
1942	7,786	68,901	6,963	15.3	31.61
1943	9,259	65,317	6,923	20.4	23.07
1944	10,314	68,810	6,765	33.4	15.72
1945	10,873	65,862	6,963	44.5	17.79
1946	12,030	84,504	8,059	82.3	28.40
1947	14,836	96,298	8,810	95.6	32.31
1948	15,299	91,354	9,155	81.3	35.63
1949	15,523	63,231	8,523	76.4	36.31
1950	17,314	88,768	9,926	92.8	39.27
1951	18,164	84,867	10,706	83.4	42.55
1952	19,371	65,862	10,033	90.4	43.09
1953	19,525	75,206	10,468	96.1	45.64
1954	19,952		10,676	89.1	46.90
1955	19,698		11,698	112.2	51.32

(continued)

APPENDIX E

TABLE E-1 (continued)

	507 Construction Gypsum (th. m.t.)	508 Lime (th. m.t.)	510 Lumber (mill. m ³)	518 Rails (th. m.t.)	519 Flat Glass (mill. m ²)	704 Iron Ore (mill. m.t.)
1870				563		3.89
1871				704		3.88
1872				907		5.63
1873				808		5.49
1874				661		5.00
1875				719		4.08
1876				798		3.72
1877				694		4.06
1878				801		4.46
1879			42.77	1,010	8.75	5.24
1880	81.6	2,540		1,326		7.24
1881	77.1	2,722		1,673		7.23
1882	90.7	2,812		1,532		9.14
1883	81.6	2,903		1,235		8.54
1884	81.6	3,357		1,038		8.33
1885	81.6	3,629		993		7.72
1886	86.2	3,855		1,627		10.16
1887	86.2	4,241		2,174		11.48
1888	99.8	4,453		1,427		12.26
1889	243.1		63.80	1,546	18.36	14.75
1890	166.0			1,915		16.29
1891	188.7			1,328		14.83
1892	232.2			1,577		16.56
1893	230.4			1,154		11.77
1894	216.8			1,038		12.07
1895	241.3			1,329		16.21
1896	203.2			1,140		16.26
1897	262.2			1,674		17.80
1898	264.9			2,013		19.75
1899	440.9		82.77	2,309	21.73	25.08
1900	538.9			2,424		28.00
1901	575.2			2,921		29.35
1902	740.3			2,995		36.13
1903	945.3			3,040		35.58
1904	853.7	2,457	101.5	2,322	25.08	28.09
1905	946.2	2,707	102.7	3,430		43.21
1906	1,398	2,901	108.5	4,042		48.52
1907	1,589	2,806	108.5	3,692		52.55
1908	1,562	2,510	99.15	1,952		36.56
1909	2,044	3,161	105.0	3,073	36.55	52.12

(continued)

TABLE E-1 (continued)

	507 Construction Gypsum (th. m.t.)	508 Lime (th. m.t.)	510 Lumber (mill. m ³)	518 Rails (th. m.t.)	519 Flat Glass (mill. m ²)	704 Iron Ore (mill. m.t.)
1910	2,158	3,181	105.0	3,694		57.93
1911	2,108	3,078	101.5	2,868		44.58
1912	2,269	3,201	106.2	3,381		56.04
1913	2,359	3,261	103.8	3,559		62.98
1914	2,246	3,067	95.58	1,976	42.86	42.11
1915	2,221	3,287	87.34	2,239		56.42
1916	2,502	3,695	93.94	2,901		76.37
1917	2,446	3,435	84.55	2,991		76.50
1918	1,867	2,908	75.29	2,582		70.78
1919	2,195	3,021	81.55	2,239	39.55	61.94
1920	2,839	3,239	82.59	2,646		68.69
1921	2,623	2,297	68.43	2,214	29.38	29.96
1922	3,429	3,302	83.28	2,207		47.89
1923	4,312	3,698	96.75	2,952	56.18	70.46
1924	4,575	3,694	93.21	2,472		55.14
1925	5,151	4,156	96.75	2,830	63.56	62.90
1926	5,112	4,137	93.80	3,270		68.71
1927	4,851	4,005	87.91	2,851	55.65	62.73
1928	4,629	4,044	86.72	2,689		63.20
1929	4,550	3,874	91.43	2,766	51.24	74.20
1930	3,149	3,073	69.28	1,903		59.35
1931	2,321	2,457	30.67	1,177	32.07	31.63
1932	1,285	1,778	31.91	409		10.01
1933	1,211	2,058	40.47	423	32.73	17.84
1934	1,393	2,175	44.43	1,026		24.98
1935	1,727	2,710	54.14	723	56.29	31.03
1936	2,461	3,401	65.19	1,240		49.57
1937	2,774	3,741	68.44	1,469	80.91	73.25
1938	2,435	3,036	58.58	633		28.90
1939	2,927	3,859	67.85	1,191	68.2	52.56
1940	3,356	4,433	73.53	1,523		74.88
1941	4,345	5,515	86.22	1,749		93.89
1942	4,262	5,538	85.74	1,902		107.2
1943	3,518	5,985	80.91	1,929		102.9
1944	3,412	5,873	77.72	2,260		95.63
1945	3,458	5,371	66.36	2,194		89.80
1946	5,107	5,437	80.50	1,783		71.98
1947	5,632	6,150	83.55	2,215	115.6	94.59
1948	6,582	6,590		2,003		102.6
1949	5,995	5,732	75.93	1,724		86.30
1950	7,433	6,784	89.69	1,677		99.62
1951	7,862	7,490	86.72	1,683		118.4
1952	7,323	7,324	88.83	1,335		99.49
1953	7,483	7,581	86.71	1,798		119.9
1954	8,219	6,799	88.09	1,063	142.2	79.11
1955	9,592	8,373	92.27	1,114		106.1

(continued)

APPENDIX E

TABLE E-1 (continued)

	901 Automobiles (thousands)	902 Trucks and Buses (thousands)	905 Railroad Freight Cars (units)	906 Railroad Passenger Cars (units)	1001 Tractors (thousands)
1870					
1871					
1872					
1873					
1874					
1875					
1876					
1877					
1878					
1879					
1880			14,098	308	
1881			22,496	351	
1882			20,671	344	
1883			13,683	455	
1884			7,468	321	
1885			3,802	262	
1886			12,937	397	
1887			23,775	561	
1888			71,719	1,954	
1889			70,546		
1890			103,774	1,654	
1891			95,514	1,640	
1892			93,293	2,195	
1893			56,900	1,986	
1894			17,029	516	
1895			38,100	430	
1896			51,189	474	
1897			43,588	494	
1898			99,809	699	
1899			119,886	1,305	
1900	4.19		115,631	1,636	
1901	7.00		136,950	2,055	
1902	9.00		162,599	1,948	
1903	11.24		152,801	2,007	
1904	22.13	0.70	60,806	2,144	
1905	24.25	0.75	165,155	2,551	
1906	33.2	0.80	240,503	3,167	
1907	43.0	1.00	284,188	5,457	
1908	63.5	1.50	76,555	1,716	
1909	124.0	3.30	93,570	2,849	2.00

(continued)

TABLE E-1 (continued)

	901 Automobiles (thousands)	902 Trucks and Buses (thousands)	905 Railroad Freight Cars (units)	906 Railroad Passenger Cars (units)	1001 Tractors (thousands)
1910	181.0	6.00	180,945	4,412	4.00
1911	199.3	10.68	72,161	3,688	7.00
1912	356.0	22.00	152,429	2,774	11.00
1913	461.5	23.50	190,501	3,003	7.00
1914	548.1	24.90	101,027	3,703	10.00
1915	895.9	74.00	71,933	1,540	21.00
1916	1,526	92.13	128,663	1,423	29.67
1917	1,746	128.2	139,743	1,735	62.74
1918	943	227.3	109,896	841	132.7
1919	1,652	224.7	155,145	226	164.6
1920	1,906	321.8	75,557	966	203.2
1921	1,468	148.1	45,643	1,210	73.20
1922	2,274	270.0	67,688	1,133	98.79
1923	3,625	409.3	177,714	2,079	131.9
1924	3,186	416.6	115,295	2,571	116.8
1925	3,735	530.7	108,812	2,470	164.1
1926	3,784	516.9	91,307	2,925	178.1
1927	2,937	464.8	63,837	2,129	194.9
1928	3,775	583.3	47,513	1,692	171.5
1929	4,455	881.9	85,038	2,583	223.1
1930	2,787	575.4	76,021	1,574	196.3
1931	1,948	432.3	13,613	343	69.03
1932	1,104	228.3	3,336	77	41.98
1933	1,561	329.2	2,202	9	14.94
1934	2,161	576.2	25,267	290	85.40
1935	3,274	697.4	8,778	205	155.9
1936	3,679	782.2	47,135	191	221.3
1937	3,929	891.0	78,819	629	272.4
1938	2,020	488.8	17,081	434	189.3
1939	2,889	700.4	25,513	276	205.7
1940	3,717	754.9	64,075	285	274.2
1941	3,780	1,061	83,009	363	342.1
1942	222.9	818.7	71,402	429	201.7
1943	0.14	699.7	74,953	706	134.7
1944	0.61	737.5	81,762	1,003	294.0
1945	69.53	655.7	54,522	931	289.3
1946	2,149	940.9	59,975	1,372	284.2
1947	3,558	1,239	96,243	887	470.6
1948	3,909	1,376	114,885	946	569.0
1949	5,119	1,134	95,172	1,013	600.1
1950	6,666	1,337	44,209	964	542.5
1951	5,338	1,427	96,043	311	617.1
1952	4,321	1,218	79,398	128	467.3
1953	6,117	1,206	83,811	391	445.3
1954	5,559	1,042	38,451	585	288.0
1955	7,920	1,249	42,042	983	377.1

(continued)

APPENDIX E

TABLE E-1 (continued)

	1002 Tractor- Drawn Plows (thousands)	1007 Tractor- Drawn Cultivators (thousands)	1016 Grain Combines (thousands)	1105 Diesel Engines (th. hp)	1109 Electric Motors (A.C.) (th. kw)
1870					
1871					
1872					
1873					
1874					
1875					
1876					
1877					
1878					
1879					
1880					
1881					
1882					
1883					
1884					
1885					
1886					
1887					
1888					
1889					
1890					
1891					
1892					
1893					
1894					
1895					
1896					
1897					
1898					
1899					
1900					
1901					
1902					
1903					
1904					
1905					
1906					
1907					
1908					
1909				0.54	

(continued)

TABLE E-1 (continued)

	1002 Tractor- Drawn Plows (thousands)	1007 Tractor- Drawn Cultivators (thousands)	1016 Grain Combines (thousands)	1105 Diesel Engines (th. hp.)	1109 Electric Motors (A.C.) (th. kw)
1910					
1911					
1912					
1913					
1914			0.27		1,194
1915					
1916					
1917					
1918					
1919			2.39		2,280
1920					
1921	34.13	1.61	5.03	89	2,308
1922	52.54	1.56	2.85		
1923	76.40	2.09	4.01	198	3,021
1924	47.96		5.83		
1925	71.29	1.70	5.13	409	1,041
1926	112.9	10.40	11.76		
1927	106.6	10.21	18.31	368	3,260
1928	129.1	12.86	25.39		
1929	154.7	34.63	36.96	455	4,255
1930	154.9	56.25	24.41		
1931	35.58	15.63	5.91	264	1,546
1932					
1933		3.37	0.35	139	822.1
1934					
1935	88.35	54.50	3.87	650	1,591
1936	153.4	116.0	16.98		
1937	207.6	127.2	29.40	1,449	2,644
1938	152.6	90.76	48.05		
1939	130.8	63.55	41.54	1,911	
1940	220.5	104.3	46.55		
1941	241.7	272.8	54.30		
1942	176.9	141.7	41.72		
1943	72.78	83.80	29.22		
1944	172.7	181.5	44.70		
1945	229.7	191.3	51.42		
1946	216.0	151.5	48.81		
1947	340.1	245.7	76.64	10,620	9,962
1948	441.5	359.1	90.67		
1949	476.3	327.3	104.9		
1950	443.9	247.5	116.14	15,732	
1951	448.3	288.3	109.02	20,616	
1952	360.9	259.0	81.51	16,474	
1953	219.4	147.1	79.42	15,374	
1954			58.13	12,170	12,552
1955			63.89		

(continued)

APPENDIX E

TABLE E-1 (continued)

	1501 Flour (mill. m.t.)	1503 Butter (th. m.t.)	Cottonseed Oil (th. m.t.)	1504 Vegetable Oil (th. m.t.)	1504.1 Oleomargarine (th. m.t.)
1870					
1871					
1872			7.26		
1873			7.26		
1874			9.98		
1875			11.34		
1876			16.78		
1877			13.61		
1878			20.41		
1879			24.49		
1880			32.21		
1881		26.8	24.95		
1882		29.9	39.92		
1883		41.3	53.52		
1884		47.4	53.98		
1885		56.8	68.04		
1886		62.4	78.93		
1887		69.2	94.35		9.8
1888		75.5	112.0		15.6
1889		97.3	107.9		16.1
1890		99.1	118.8		14.7
1891		104.5	139.3		20.1
1892		103.5	145.6		22.0
1893		109.2	142.9		30.5
1894		112.8	194.6		31.6
1895		140.0	228.2		25.9
1896		177.7	195.0		23.0
1897		184.4	221.3		20.7
1898		182.8	285.8		26.1
1899	11.54	190.9	320.2		37.7
1900		201.2	317.5		48.5
1901		212.6	328.9		47.6
1902		209.0	403.7		57.3
1903		234.0	418.2		33.2
1904	11.56	242.0	414.6		22.8
1905		272.2	455.4		24.0
1906		269.8	427.7		25.1
1907		255.2	523.0		32.4
1908		283.6	350.6		37.0
1909	12.22	284.5	499.4		52.6

(continued)

OUTPUT DATA FOR THE UNITED STATES

TABLE E-1 (continued)

	1501 Flour (mill. m.t.)	1503 Butter (th. m.t.)	Cottonseed Oil (th. m.t.)	1504 Vegetable Oil (th. m.t.)	1504.1 Oleomargarine (th. m.t.)
1910		287.0	445.4		66.7
1911		314.1	571.5		47.6
1912		327.3	685.8		64.4
1913		347.9	631.9		68.9
1914	12.10	356.5	657.7		64.0
1915		353.8	779.7		64.4
1916		374.2	568.3		85.1
1917		380.0	638.7		130.3
1918		377.4	595.1		159.0
1919	13.01	425.7	601.0	1,050	167.3
1920		421.5	549.3	862.0	167.6
1921	11.00	513.3	593.7	915.5	97.5
1922		556.5	421.8	792.4	83.8
1923	11.44	598.6	454.9	918.7	103.2
1924		652.8	444.5	1,008	105.1
1925	11.24	662.0	636.8	1,202	106.1
1926		697.1	733.5	1,328	110.0
1927	11.57	709.5	856.4	1,382	125.8
1928		697.1	670.0	1,241	143.6
1929	11.85	734.0	727.6	1,339	161.6
1930		724.7	713.1	1,233	147.7
1931	10.61	756.3	654.1	1,152	104.3
1932		768.4	768.4	1,079	92.2
1933	9.50	799.5	655.9	1,087	111.3
1934		768.7		975.3	119.9
1935	9.91	740.4		1,065	173.1
1936		739.1		1,165	178.3
1937	10.16	736.6		1,393	180.3
1938		810.2		1,382	174.7
1939	10.71	808.2		1,396	136.4
1940		833.2		1,447	145.3
1941		849.2		1,700	166.7
1942		800.2		1,698	193.1
1943		759.2		1,883	278.6
1944		675.2		1,802	266.8
1945		618.6		1,785	278.5
1946		531.3		1,725	259.6
1947	14.79	602.9		2,019	338.4
1948		549.0		2,253	411.9
1949		640.5		2,515	390.9
1950		628.9		2,537	425.0
1951		545.7		2,591	472.1
1952		538.9		2,553	583.3
1953		640.4		2,618	586.0
1954	11.13	657.3		2,667	618.8
1955		627.0		2,756	604.8

(continued)

APPENDIX E

TABLE E-1 (continued)

	1505 Cheese (th. m.t.)	1506 Meat Slaughtering (th. m.t.)	1506.1 Sausages (th. m.t.)	1507 Fish Catch (th. m.t.)	1508 Soap (th. m.t.)
1870	57.6				
1871	54.4				
1872	64.0				
1873	74.8				
1874	74.8				
1875	86.6				
1876	72.6				
1877	91.6				
1878	120.2				
1879	98.0				377
1880	109.3	1,473		732.5	
1881	123.8	1,402		711.2	
1882	107.0	1,315		689.9	
1883	116.1	1,423		669.1	
1884	113.9	1,430		647.7	
1885	108.4	1,602		628.2	
1886	102.5	1,677		606.5	
1887	112.5	1,641		585.1	
1888	121.1	1,787		651.4	
1889	127.9	2,048	178.7	724.8	
1890	132.0	2,521		760.2	
1891	124.7	2,427		733.0	
1893	135.6	2,473		723.5	
1893	108.0	2,259		713.9	
1894	109.8	2,548		708.5	
1895	99.8	2,466		702.6	
1896	102.5	2,548		701.7	
1897	132.9	2,786		700.8	
1898	120.2	3,021		731.6	
1899	128.4	3,099	348.4	791.1	
1900	139.3	3,174		831.4	
1901	156.0	3,318		871.3	
1902	137.4	3,102		885.0	
1903	139.7	3,313		872.7	
1904	143.8	3,428	388.4	870.9	1,110
1905	142.4	3,624		855.9	
1906	127.5	3,694		856.8	
1907	125.2	3,770		857.7	
1908	137.4	3,966		858.7	
1909	141.1	3,700	542.2	874.1	1,438

(continued)

TABLE E-1 (continued)

	1505 Cheese (th. m.t.)	1506 Meat Slaughtering (th. m.t.)	1506.1 Sausages (th. m.t.)	1507 Fish Catch (th. m.t.)	1508 Soap (th. m.t.)
1910	161.0	3,450		889.5	
1911	156.0	3,862		904.9	
1912	149.2	3,703		920.3	
1913	143.3	3,741		935.8	
1914	171.5	3,604	571.6	968.4	1,824
1915	203.2	3,959		992.0	
1916	194.6	4,471		994.7	
1917	216.4	4,381		1,008	
1918	181.4	5,158		1,026	
1919	215.5	4,891	822.6	1,017	1,824
1920	196.0	4,779		1,005	1,836
1921	192.3	4,825	449.1	979.8	1,849
1922	196.9	5,122		931.2	1,980
1923	206.4	5,832	597.7	941.7	2,113
1924	213.2	5,368		941.2	2,049
1925	224.5	5,070	672.0	996.5	1,937
1926	215.3	5,149		966.6	2,029
1927	203.8	5,112	683.3	1,268	2,119
1928	218.3	5,132		1,398	2,186
1929	221.0	5,072	595.6	1,618	2,252
1930	227.0	4,985		1,491	2,259
1931	223.3	5,055	549.1	1,205	2,265
1932	219.5	4,878		1,186	2,160
1933	246.6	5,284	521.7	1,330	2,053
1934	262.7	5,271		1,841	2,068
1935	281.7	4,246	605.0	1,844	2,081
1936	291.5	5,164		2,159	2,302
1937	294.4	4,676	722.3	1,974	3,075
1938	328.6	4,981		1,929	2,353
1939	321.5	5,264	759.1	2,015	2,496
1940	356.3	5,830		1,842	2,391
1941	433.9	6,092		2,223	2,884
1942	504.9	7,009		1,759	2,692
1943	451.6	7,632		1,906	2,574
1944	462.6	8,127		2,043	3,079
1945	507.5	6,965		2,076	2,672
1946	501.8	6,256		2,021	2,111
1947	536.6	7,363	1,069	1,970	2,616
1948	498.2	6,676		2,075	2,244
1949	544.0	7,089		2,175	2,089
1950	540.4	7,274		2,215	2,083
1951	526.6	7,205		2,002	1,628
1952	530.8	7,619		1,950	1,434
1953	610.0	8,248		2,023	1,215
1954	614.0	8,447	1,282	2,132	994
1955	613.9	9,128		2,175	

(continued)

APPENDIX E

TABLE E-1 (continued)

	1509 Salt (th.m.t.)	1510 Raw Sugar Consumption (th.m.t.)	1513 Canned Food (mill. cans)	1514 Beer (mill. hectol.)	1515 Cigarettes (millions)
1870		582.8		7.74	
1871		655.8		9.03	
1872		750.3		10.21	
1873		762.3		11.26	
1874		812.4		11.26	
1875		783.9		11.15	
1876		748.5		11.62	
1877		839.7		11.50	
1878		766.7		11.97	
1879		942.4	501	13.02	
1880	757.5	906.8		15.61	533
1881	787.4	1,008.4		16.78	595
1882	814.7	978.5		19.95	599
1883	786.5	1,114		20.89	844
1884	827.4	1,384		22.29	920
1885	893.6	1,333		22.53	1,080
1886	978.9	1,354		24.29	1,607
1887	1,017	1,503		27.10	1,865
1888	1,023	1,385		28.98	2,212
1889	1,017	1,409	835	29.45	2,413
1890	1,128	1,462		32.38	2,505
1891	1,268	1,809		35.79	3,137
1892	1,486	1,791		37.43	3,282
1893	1,511	1,951		40.60	3,661
1894	1,647	2,246		39.19	3,621
1895	1,736	1,974		39.42	4,238
1896	1,759	2,055		42.12	4,967
1897	2,029	2,546		40.48	4,927
1898	2,237	1,568		44.00	4,843
1899	2,503	2,134	1,451	43.06	4,367
1900	2,651	2,045		46.35	3,870
1901	2,612	2,627		47.64	3,503
1902	3,029	2,311		52.33	3,647
1903	2,409	2,921		54.80	3,959
1904	2,798	2,593	2,169	56.67	4,170
1905	3,298	2,830		58.08	4,477
1906	3,578	3,120		64.18	5,502
1907	3,773	3,213		68.76	6,345
1908	3,661	2,972		68.99	6,833
1909	3,824	3,425	2,803	66.06	7,880

(continued)

TABLE E-1 (continued)

	1509 Salt (th.m.t.)	1510 Raw Sugar Consumption (th.m.t.)	1513 Canned Food (mill. cans)	1514 Beer (mill. hectol.)	1515 Cigarettes (millions)
1910	3,849	3,360	3,082	69.81	9,782
1911	3,961	3,396	3,479	74.27	11,700
1912	4,232	3,695	4,095	72.98	14,239
1913	4,369	3,801	4,028	76.62	16,530
1914	4,422	4,012	4,349	77.68	17,944
1915	4,855	4,308	3,966	70.17	18,945
1916	5,773	4,327	4,665	68.76	26,203
1917	6,330	4,357	5,542	71.34	36,323
1918	6,567	3,926	6,433	59.02	47,528
1919	6,244	4,432	6,074	32.50	53,865
1920	6,205	5,443	5,706	10.79	48,091
1921	4,519	4,990	4,232	10.79	52,770
1922	6,163	5,701	5,109	7.39	56,413
1923	6,469	5,879	6,449	6.22	67,239
1924	6,172	5,413	6,202	5.75	73,256
1925	6,711	5,967	7,421	5.98	82,712
1926	6,688	6,272	6,684	5.75	92,523
1927	6,867	6,167	6,962	5.16	100,260
1928	7,326	5,987	7,201	4.93	109,131
1929	7,751	6,568	8,711	4.58	122,822
1930	7,307	6,009	8,783	4.34	124,193
1931	6,675	5,770	7,607	3.64	117,407
1932	5,813	6,128	6,712	3.17	106,915
1933	6,899	6,058	7,183	11.50	115,087
1934	6,906	5,459	8,481	44.21	130,287
1935	7,191	6,033	10,429	53.07	140,147
1936	8,010	5,973	10,873	60.79	159,076
1937	8,384	5,606	12,175	68.93	170,171
1938	7,281	6,019	12,435	66.11	171,842
1939	8,417	6,449	11,670	63.21	180,828
1940	9,399	6,417	14,065	64.41	189,508
1941	11,541	7,128	17,520	64.79	218,083
1942	12,422	5,192	20,522	74.76	257,657
1943	13,803	5,823	19,884	83.33	296,305
1944	14,259	6,315	20,869	95.89	323,734
1945	13,965	6,005	21,881	101.6	332,345
1946	13,734	5,568	24,141	99.71	350,132
1947	14,564	7,842	20,017	103.1	369,763
1948	14,881	6,260	20,274	107.1	386,916
1949	14,127	7,056	19,593	105.3	385,046
1950	15,087	7,652	20,554	104.2	392,025
1951	18,332	6,905		104.4	418,872
1952	17,731	7,269		106.2	435,616
1953	18,860	7,623		108.1	423,129
1954	18,751	7,765		104.0	401,928
1955	20,597	7,699	19,360	105.9	412,323

(continued)

APPENDIX E

TABLE E-1 (continued)

	1601 Boots and Shoes (mill. pairs)	1602 Rubber Footwear (th. pairs)	1604 Cotton Fabrics (mill. m)	1609.1 Pure Silk and Nylon Fabrics (mill. m)	1609.2 Rayon and Mixed Fabrics (mill. m)
1870				5	
1871					
1872					
1873					
1874					
1875					
1876					
1877					
1878					
1879			2,910	15	
1880					
1881					
1882					
1883					
1884					
1885					
1886					
1887					
1888					
1889	173.9		3,515	37	
1890					
1891					
1892					
1893					
1894					
1895					
1896					
1897					
1898					
1899	212.6	49,832	4,610	75	32
1900					
1901					
1902					
1903					
1904	233.5		5,090	108	42
1905					
1906					
1907					
1908					
1909	265.1		6,621	126	92

(continued)

TABLE E-1 (continued)

	1601 Boots and Shoes (mill. pairs)	1602 Rubber Footwear (th. pairs)	1604 Cotton Fabrics (mill. m)	1609.1 Pure Silk and Nylon Fabrics (mill. m.)	1609.2 Rayon and Mixed Fabrics (mill. m.)
1910					
1911					
1912					
1913					
1914	292.7	61,220	7,041	157	109
1915					
1916					
1917					
1918					
1919	331.2	96,388	8,263	271	94
1920					
1921	305.1	78,930	7,690	245	75
1922					
1923	373.5	95,315	9,355	280	141
1924					
1925	344.2	82,078	8,726	424	105
1926					
1927	367.1	105,749	10,052	425	44
1928					
1929	361.4	100,765	9,783	468	
1930	304.2				
1931	316.2	57,198	7,949	425	87
1932	313.3				
1933	349.4	65,295	9,008	221	295
1934	357.1				
1935	383.8	64,793	8,173	263	674
1936	415.2				
1937	412.0	77,002	11,087	120	920
1938	390.7				
1939	424.1	62,847	10,609		
1940	404.1				
1941	498.4		13,310		
1942	483.9		14,220		
1943	465.4		13,535		
1944	462.6		12,223	73	
1945	486.2		11,164	50	
1946	529.0		11,705	34	
1947	468.1	79,359	12,568	35	2,201
1948	479.6		12,341		
1949	475.6		10,760		
1950	522.5		12,837	152	2,709
1951	481.9		12,975		
1952	533.2		12,181	345	2,173
1953	532.0		13,062	382	2,257
1954	524.0	75,518	12,512	408	2,048
1955	577.0		12,929	437	2,384

(continued)

APPENDIX E

TABLE E-1 (continued)

	1611 Woolen and Worsted Fabrics (mill. m.)	1613 Hosiery (mill. pairs)	1701 Bicycles (thousands)	1704 Phonographs (thousands)
1870				
1871				
1872				
1873				
1874				
1875				
1876				
1877				
1878				
1879	245.0			
1880				
1881				
1882				
1883				
1884				
1885				
1886				
1887				
1888				
1889	250.4	288.1		
1890				
1891				
1892				
1893				
1894				
1895				
1896				
1897				
1898				
1899	272.0	359.1	1,183	151
1900				
1901				
1902				
1903				
1904	322.3	530.2	250	
1905				
1906				
1907				
1908				
1909	363.8	753.9	234	345

(continued)

TABLE E-1 (continued)

	1611 Woolen and Worsted Fabrics (mill. m.)	1613 Hosiery (mill. pairs)	1701 Bicycles (thousands)	1704 Phonographs (thousands)
1910				
1911				
1912				
1913				
1914	359.9	902.0	399	514
1915				
1916				
1917				
1918				
1919	341.4	1,016	479	2,230
1920				
1921	314.7	963.1	216	596
1922				
1923	400.1	1,169	486	997
1924				
1925	369.5	1,197	303	642
1926				
1927	355.4	1,320	255	1,050
1928				
1929	327.5	1,408	308	755
1930				
1931	248.5	1,341	260	
1932				
1933	272.0	1,233	320	
1934				
1935	356.1	1,398	657	
1936				
1937	373.1	1,507	1,131	
1938				
1939	374.0	1,828	1,253	
1940				
1941		1,800		
1942	530.9	1,775		
1943	539.6	1,791		
1944	531.1	1,697		
1945	496.3	1,630		
1946	607.2	1,889		
1947	518.9	1,795	2,875	5,444
1948	503.4	1,764	2,795	
1949	416.8	1,734	1,483	
1950	473.2	1,926	1,964	
1951	377.6	1,857	1,880	
1952	353.4	1,959		2,713
1953	339.9	1,905		3,663
1954	281.8		1,746	
1955	312.0			3,123

(continued)

APPENDIX E

TABLE E-1 (continued)

	1705 Radios (thousands)	1706 Television Sets (thousands)	1707 Household Sewing Machines (thousands)
1870			
1871			
1872			
1873			
1874			
1875			
1876			
1877			
1878			
1879			
1880			
1881			
1882			
1883			
1884			
1885			
1886			
1887			
1888			
1889			
1890			
1891			
1892			
1893			
1894			
1895			
1896			
1897			
1898			
1899			748
1900			
1901			
1902			
1903			
1904			
1905			
1906			
1907			
1908			
1909			

(continued)

OUTPUT DATA FOR THE UNITED STATES

TABLE E-1 (concluded)

	1705 Radios (thousands)	1706 Television Sets (thousands)	1707 Household Sewing Machines (thousands)
1910			
1911			
1912			
1913			
1914			
1915			
1916			
1917			
1918			
1919			
1920			
1921			
1922	100		
1923	250		
1924	1,500		
1925	2,000		
1926	1,750		
1927	1,350		764
1928	3,281		
1929	4,428		669
1930	3,788		
1931	3,594		232
1932	2,446		
1933	4,157		128
1934	4,478		
1935	6,030		343
1936	8,249		
1937	8,083		548
1938	7,142		
1939	10,763	4.1	457
1940	11,831		
1941	13,643		
1942			
1943			
1944			
1945			
1946	15,955	7.0	
1947	20,000	178.8	626
1948	16,500	975.6	
1949	11,400	3,000	
1950	14,590	7,464	
1951	12,628	5,384	
1952	10,934	6,096	
1953	13,680	7,216	
1954	10,400	7,346	676
1955	14,529	7,757	

APPENDIX E

TABLE E-2
OUTPUT SERIES: UNITED STATES, 1799-1869

	101	103	202	203	204	305	310	416	510
	Pig	Steel	Copper	Lead	Zinc	Crude	Coal	Paper	Lumber
	Iron	Ingots and	(th.m.t.)	(th.m.t.)	(th.m.t.)	Petroleum	(mill.m.t.)	(th.m.t.)	(mill.m ³)
	(th.m.t.)	(mill.m.t.)				(th.m.t.)			
1799									0.71
1808				0.9					
1809									0.94
1810	54.8								
1813				1.4					
1818				1.4					
1819									1.30
1820	20.3								
1821				1.72					
1822				1.72					
1823				1.88					
1824				1.80					
1825				2.02					
1826				2.16					
1827				4.07					
1828	132.1			6.76					
1829	144.3			7.78					2.01
1830	167.6			7.26					
1831	194.1			6.80					
1832	203.2			9.07					
1833				9.98					
1834				10.89					
1835				11.79					
1836				13.61					
1837				12.24					
1838				13.61					
1839				15.88					3.79
1840	291.5			15.42			1.88		
1841	286.5			18.60			2.08		
1842	281.5			21.77			2.37		
1843	405.5			22.68			2.78		
1844	529.4			23.59			3.34		
1845	653.4		0.10	27.22			3.91		
1846	777.3		0.15	25.40			4.41		
1847	812.8		0.30	25.40			4.80		
1848	812.8		0.51	22.68			3.45		
1849	660.4		0.71	21.32			5.85		12.72
1850	572.8		0.66	19.96			6.37		
1851	540.4		0.91	16.78			7.92		
1852	508.0		1.12	14.24			8.91		
1853	588.0		2.03	15.24			9.59		

(continued)

APPENDIX E

NOTES TO TABLES E-1 AND E-2

102 *Rolled steel*

1946-1955: 601a, 1955, 65.

103 *Steel ingots and castings*

1946-1955: 601a, 1955, 51.

202 *Copper*

1845-1881: Primary copper from domestic ores.

1882-1908: Primary copper from domestic and foreign ores.

1909-1955: Sum of refinery production from foreign and domestic ores, secondary copper from primary refineries, new copper scrap, and old copper scrap.

203 *Lead*

1808, 1813, 1818,
1821-1906: Refined lead from domestic and foreign ore and base bullion. For first three dates, centered annual average of five-year output. For 1907, output was 375 th. m. tons.

1907-1955: Sum of refined lead from domestic and foreign ore and base bullion, secondary lead, and lead in alloys. For 1955, the last 2 are taken to be the same fraction of the total as in 1954.

204 *Zinc*

1858-1908: Slab zinc from domestic and foreign ores (for 1858-1879, from 642a, Table 11, 19). For 1909, output was 232 th. m. tons.

1909-1928: Sum of slab zinc from domestic and foreign ores and secondary zinc recovered unalloyed (except for zinc dust).

1929-1955: Sum of (1) slab zinc from domestic and foreign ores, (2) secondary zinc recovered unalloyed (except for zinc dust), and (3) zinc in alloys other than brass, zinc in brass and bronze, zinc recovered in chemical products, and secondary zinc dust. For 1955, the last 2 are taken to be the same fraction of the total as in 1954.

301 *Electric power*

1882: 593, 965. Converted from hp into kwh.

306 *Natural gas*

1882-1955: Converted from cubic feet into cubic meters.

401 *Soda ash*

1904-1955: 611, Part V.

404 *Sulfuric acid*

1938, 1940: 611, Part V.

405 *Mineral fertilizer*

1870-1879: Superphosphate (converted from 16 to 18.7% P_2O_5).

1880-1914: Sum of superphosphate (as above) and ammonium sulfate (20.5% N).

1915-1951: Sum of superphosphate (as above), ammonium sulfate (20.5% N), and potash (41.6% K_2O). Potash for 1915-1950 is taken from 611, Part VII, series 726.21.

1952-1955: Extrapolated by fertilizer consumption from 649, 1958, 641.

412 *Synthetic dyes*

1914-1953: 611, Part V, series 520.31.

OUTPUT DATA FOR THE UNITED STATES

418 *Motor vehicle tires*

1900: Output of automobiles times four.

506 *Cement*

1880-1955: Sum of natural, masonry, puzzolan, and Portland cements. For 1955, the first 3 cements are estimated from their ratios to total in 1954.

510 *Lumber*

All years: Converted from board feet into cubic meters.

518 *Rails*

1867: 634a, 247.
 1940-1945: 601a, 1948, 46.
 1946-1955: 601a, 1955, p. 77.

519 *Flat glass*

All years: Sum of window glass and plate glass (polished). Not strictly comparable to Soviet counterpart because U.S. product is at least 35% thicker (see Chapter 3). For some years, output of plate glass has been estimated from other data.

901 *Automobiles*

1900-1904: 602, 4.

902 *Trucks and buses*

1953-1954: 602, 4.

905 *Railroad freight cars*

1880-1898: 646, January issue of each year.
 1899-1912: 647, January 1934. For 1905-1912, includes Canadian output.
 1913-1954: 645. Cars delivered to domestic and foreign receivers. Includes cars built in railroad and private line shops.
 1955: American Railway Car Institute, unpublished data.

906 *Railroad passenger cars*

1880-1912: National Bureau of Economic Research files.
 1913-1953: 645, 50.
 1954-1955: American Railway Car Institute, unpublished data.

1001 *Tractors*

All years: Wheel-type and track-laying tractors, excluding garden tractors.
 1909-1921: Department of Agriculture, "Circular 212," April 1922.

1002 *Tractor-drawn plows*

All years: Includes listers, whose production was interpolated when data were not available.

1109 *Electric motors*

All years: Sum of synchronous, single-phase, polyphase, and capacitor type motors.
 1954: Extrapolated from 1947 by production index with cross weights (609, 1954, IV, 11).

1504 *Vegetable oil*

1872-1933: Cottonseed oil. For 1872-1874, from 607, 298. For 1875-1933, from 654, 314-315, year ending July 31. Crude oil produced.
 1919-1955: Vegetable oil.

APPENDIX E

1504.1 *Oleomargarine*

1901-1908: 615, 3.
1909-1948: 612, Table 57C, 159.

1506 *Meat slaughtering*

All years: Federally inspected production, dressed weight, beef, veal, pork, lamb, and mutton.
1880-1898: Number slaughtered (each of above categories) times average dressed weight (for each category) as of 1900, the results summed. Number slaughtered from 607.

1508 *Soap*

All years: Total production of soap minus toilet soap. When data on toilet soap were not available, they were estimated from total production in given year and ratio of toilet soap to total soap in 1923 (given in 609, 1929, II, 736). All figures were multiplied by 1.875 to adjust to Soviet fatty acid content of 40%.
1914-1931 (census years),
1935-1952: 611, Part V, series 590.31.

1510 *Raw sugar consumption*

All years: Consumption of raw, cane, and beet sugar. Includes Puerto Rico after 1898, Hawaii after 1896, the Virgin Islands after 1928, and the Philippines from 1898 through 1940 and in 1945.

1513 *Canned food*

All years: Converted into standard cans of 400 grams. Details available on request.
1869-1899
(census years): Canned vegetables only.
1904, 1909-1920: Sum of canned milk (condensed, evaporated, dry whole, and dry skim milk), fruit, fruit juices, vegetables (including vegetable juices), and meat. Canned meat from 618, 404. All the others from 612, 154.
1921-1950: Sum of canned fish, milk (as above), fruit, fruit juices, vegetables, baby foods, soups, and meat. Canned fish given in or derived from 621 and 649, 1954, 738. All others from above sources and 598, 1945 and 1954.
1955: Extrapolated from 1950 by production in cases. Averages of two adjoining canning years.

1601 *Boots and Shoes*

1919-1927
(census years): 633, Table 14, 49.

1604 *Cotton fabrics*

All years: All data were multiplied by 1.4 to adjust for difference in average width between Soviet and U.S. fabrics.
1941-1953: 611, Part V.

1609.1 *Pure silk and nylon fabrics*

All years: All data were multiplied by 1.2 to adjust for difference in average width between Soviet and U.S. fabrics.
1870, 1879, 1889: Extrapolated by silk imports.

1609.2 *Rayon and mixed fabrics*

All years: Adjusted as pure silk and nylon fabrics above.

OUTPUT DATA FOR THE UNITED STATES

1611 Woolen and worsted fabrics

Before 1921: Excludes upholstery materials.
From 1951 on: Excludes products with 25 to 50% wool content. All data were multiplied by 1.1 to adjust for difference in average width between Soviet and U.S. fabrics.

1613 Hosiery

1941-1946: *616*, 394.

1701 Bicycles

1947-1951: Shipments from *604*.

1705 Radios

1922-1948: *644*, 26-27. Domestic set sales.

