

APPENDIX B

TABLE B-2 (continued)

	1504 Vegetable Oil (th.m.t.)	1504.1 Oleomargarine (th.m.t.)	1504.2 Vegetable Oil Minus Oleomargarine (th.m.t.)	1505 Cheese (th.m.t.)	1506 Meat Slaughtering (th.m.t.)
1913	471	—	471		1,042
1914					
1915					
1916					
1917					
1918					
1919					
1920					
1921					
1921/22					
1922/23					
1923/24					
1924/25					
1925/26					
1926/27					
1927/28	620	—	620		678
1928/29		[—]			
1929/30		6.3		7.1	609
1931		20.6		14.5	794
1932	490	38.3	451.7	14.3	483
1933	321	51.8		15.6	427
1934	422	69.2		18.2	461
1935	492	81.8		20.4	586
1936	503	75.0		25.3	773
1937	539	74.0	465	31.0	812
1938	643	93†		30.5	1,140
1939	693	107†		33.2	1,291
1940	798	121	677	38.0	1,183
1945	292	28	264		613
1946	326	39†			733
1947	403	85†			753
1948	549	126†			939
1949	722	149†		38.0	1,062
1950	819	192	627	48.0	1,438
1951	919	219†		58.0	1,570
1952	999	272		67.0	1,782
1953	1,160	337		78.0	1,989
1954	1,280	391		87.0	2,188
1955	1,168	399	769	106.0	2,226
1956	1,525	437	1,088		2,371
1957	1,685	449	1,236		2,798
1958	1,446	396	1,050		[3,011]
1959					[3,759]

(continued)

OUTPUT SERIES

TABLE B-2 (continued)

	1506.1 Sausages (th.m.t.)	1507 Fish Catch (th.m.t.)	1508 Soap (40% fatty acid) (th.m.t.)	1509 Salt (th.m.t.)	1510 Raw Sugar Consumption (th.m.t.)
1913	60.0	1,018	[254]	1,959	1,347
1914				1,860	1,705
1915				1,738	1,504
1916				2,610	1,186
1917		893		1,283	912
1918				1,040	342
1919				586.1	95
1920		257		663.7	89
1921		298		1,103	51
1921/22		483*		855.4	210
1922/23		499*		1,066	378
1923/24		535*		1,175	457
1924/25		721*		1,442	1,064
1925/26		897*		1,625	873
1926/27		747*		2,144	1,333
1927/28		840*	[360*]	2,336	1,283
1928/29		956*	[390*]	2,670	823
1929/30		1,283*	[325*]	3,158	1,507
1931	64.2	1,441	[219]	3,182*	1,486
1932	70.3	1,333	357	2,636	828
1933	75.3	1,303	262	2,734	995
1934	49.1	1,547	426	3,545	1,404
1935	58.4	1,520	479	4,350	2,032
1936	112.0	1,631	557	[4,166]	1,998
1937	244.4	1,609	495	3,200	2,421
1938	368.6	1,542	606†	3,500†	2,520
1939	395.0	1,566	676†	3,800†	1,826
1940	391.3	1,404	700	4,400	2,165
1945		1,125	229	2,900	465
1946		1,208	233	3,100†	466
1947		1,534	298	3,900†	981
1948	245.6	1,575	432	4,700†	1,666
1949	351.2	1,953	735	4,600†	2,042
1950	491.7	1,755	816	4,500	2,523
1951	575.3	2,142	779	4,100†	2,979
1952	553.8	2,107	795	4,400†	3,067
1953	642.4	2,195	882	4,500†	3,434
1954	713.1	2,505	1,067	4,800†	2,611
1955	770.2	2,737	1,077	5,700	3,419
1956	824.0	2,849	1,266	6,000	4,354
1957	900	2,761	1,341	6,100	4,491
1958	1,000	2,931	1,360	6,200	5,434
1959	1,200	3,000	1,400		6,000

(continued)

APPENDIX B

TABLE B-2 (continued)

	1510.1 Refined Sugar (th.m.t.)	1510.2 Raw Sugar Minus Refined Sugar and Sugar in Candy (th.m.t.)	1511 Starch and Syrup (th.m.t.)	1512 Yeast (th.m.t.)	1513 Canned Food (mill. 400- gram cans)
1913	828	483	145	9.35	95
1914	937				
1915	859				
1916	841				
1917	251				
1918	61				
1919	18				
1920	17				
1921	8				
1921/22	50				
1922/23	130				
1923/24	302			8.29	
1924/25	449			14.1	
1925/26	412			18.7	
1926/27	575			21.1	
1927/28	656	575	[96]	19.3	125
1928/29	523		[93]	18.2	240
1929/30	216		[104]*	19.5*	320
1931	241		[106]*	21.1	420
1932	438	242	107	24.3	692
1933	349		151	24.1	619
1934	487		194	27.7	722
1935	719		249	35.3	808
1936	1,060		292	47.6	1,002
1937	1,032	1,135	247	[48]	982
1938	1,137		306†		1,104
1939	935		233†		1,148
1940	628	1,354	247	[48]	1,113
1945	54	362	36		558
1946	100		57†		583
1947	169		71†		669
1948	293		128†		868
1949	481		214†		1,162
1950	701	1,527	242	48	1,535
1951	859		236†	[59]	1,848
1952	1,017		223†	[68]	2,064
1953	1,252		240†	[75]	2,358
1954	1,275		191†	[86]	2,741
1955	1,285	1,833	233	[95]	3,217
1956	1,591	2,394	254		3,601
1957	1,538	2,594	263		3,795
1958	1,766	3,283	243		4,055
1959					4,300

(continued)

OUTPUT SERIES

TABLE B-2 (continued)

	1513.1 Canned Meat (mill. cans)	1513.2 Canned Fish (mill. cans)	1513.3 Canned Milk (mill. cans)	1513.4 Canned Vegetables and Fruit (mill. cans)	1514 Beer (th. hectol.)
1913	67.6	9.6	—	17.9	8,064
1914					
1915					
1916					
1917					
1918					
1919					
1920					
1921					
1921/22					
1922/23					
1923/24					2,276
1924/25					2,513
1925/26					4,084
1926/27					4,141
1927/28	8.0	42.4	—	74.6	3,907
1928/29					3,400
1929/30					[3,700]
1931					3,920
1932	129.3	161.2	3.1	398.6	4,210
1933					4,315
1934					4,568
1935					5,186
1936					7,436
1937	65.1	123.3	52.8	740.8	8,960
1938					10,310†
1939					10,740†
1940	108.1	120.3	70.4	814.0	12,130
1945					4,050
1946					5,690†
1947					6,840†
1948					7,075
1949					9,835
1950	291.1	200.2	81.5	961.8	13,080
1951					15,170
1952					16,080
1953	359.0†	403.4†	183.5†	1,407†	18,330
1954					18,890
1955	467.3	604.6	238.6	1,907	18,470
1956	516.4	689.0	276.8	2,119	18,070
1957	545.5	636.4	326.8	2,287	19,650
1958					19,900
1959					

(continued)

APPENDIX B

TABLE B-2 (continued)

	1515 Cigarettes (billions)	1516 Low-Grade Tobacco (th. 20-kg. crates)	1517 Matches (th. crates)	1518 Vodka (40% alcohol) (mill. decaliters)	1519 Candy (th.m.t.)
1913	22.1	3,934	3,757	118.9	72.6
1914					
1915					
1916					
1917	22.0	4,078	2,279		
1918	12.7	1,423	1,019		
1919	10.2	936	1,008		
1920	4.85	1,069	632		
1921	5.15	596	782		
1921/22	12.6	663	976		
1922/23	10.8	977	1,425		
1923/24	13.0	1,548	1,640		
1924/25	26.3	2,525	3,276	0.7	
1925/26	37.3	4,235	3,950	24.3	
1926/27	40.7	4,250	4,170	39.6	[64.2]
1927/28	49.5	4,293	5,532	55.5	[103]
1928/29	57.7*	3,299	6,844	52.7	[142]
1929/30	61.7*	3,167	9,157	61.3	174.0
1931	64.8	2,980	7,675	74.7	333.5
1932	57.9	3,274	5,642	72.0	296.6
1933	62.7	2,513	6,876		222.5
1934	67.8	2,918	9,080		334.1
1935	78.6	3,750	10,730		[363]
1936	85.9	5,021	8,194		[458]
1937	89.2	5,343	7,163	89.7	508.5
1938	95.9	5,600†	9,516		[537]
1939	97.6†	4,300†	10,240		[500]
1940	100.4	4,600	10,000	92.5	366.0
1945	25	700	1,864	44.3	98.0
1946	50.8†	1,200			[157]
1947	74.3†	1,300†	3,300		[203]
1948	92	2,000†	5,300		[333]
1949	108	2,600†			[445]
1950	125	3,800	10,200	62.8	590
1951	141	3,200†	10,800		[651]
1952	158	2,900†	9,100		[682]
1953	183	3,500†	8,900	95.4†	[702]
1954	207	3,200†	11,300		[679]
1955	198	2,700	13,300	116.9	602
1956	203	3,200	13,500	122.9	739
1957	215	3,900	13,600	140.2	718
1958	232	3,800	13,000	145.3	[760]
1959	243				[820]

(continued)

OUTPUT SERIES

TABLE B-2 (continued)

	1601 Boots and Shoes (mill. pairs)	1602 Rubber Footwear (mill. pairs)	1603 Cotton Yarn (th.m.t.)	1604 Cotton Fabrics (mill. meters)	1605 Cotton Thread (mill. reels)
1913	60.0	27.9	271.0	2,582	417
1914		[22.3]			
1915		[23.6]			
1916	54.0	[17.5]			
1917		[20.0]	210.7	[1,205]	
1918		[5.98]	117.6	[932]	
1919		[2.67]	19.3	[153]	
1920		[0.01]	15.1	[120]	
1921		[0.64]	21.8	151	
1921/22		[8.74]	71.5*	347*	
1922/23		[10.3]	87.4*	642*	
1922/24		6.3	116.2*	923*	
1924/25		[16.1]	196.9*	1,678*	
1925/26		[26.0]	252.1*	2,273*	
1926/27	[95]	29.6	283.6*	[2,480]	
1927/28	[103]	36.3	324.0	2,678	473
1928/29	[95]	42.1	353.8*	2,996	
1929/30		42.4	287.4*	2,351	
1931		53.9	313.8	2,242	
1932	103.0	64.7	355.1	2,694	699
1933	90.3	62.2	367.3	2,732	
1934	85.4	65.0	387.7	2,733	
1935	103.6	76.4	384.0	2,640	
1936	143.2	82.0	480.0	3,270	
1937	182.9	84.6	532.9	3,448	892
1938	192.9	85.5	[528.9]	3,460	
1939	205.7	80.3	[561.5]	3,763	
1940	211.0	69.7	650	3,954	1,212
1945	63.1	15.1	303	1,617	555
1946	81.2	30.8		1,901	
1947	112.8	51.3		2,541	
1948	134.0	71.1		3,150	
1949	163.6	91.8		3,601	
1950	203.4	110.4	663	3,899	1,013
1951	239.7	122.5		4,768	
1952	237.7	123.2		5,044	
1953	239.4	111.8	899†	5,285	1,558†
1954	257.8	115.8		5,590	
1955	274.5	131.4	1,038	5,905	1,929
1956	287.0	145.0	977	5,457	1,950
1957	317.3	150.7	1,016	5,588	1,948
1958	355.8	158.7	1,063	5,789	1,862
1959	389				

(continued)

APPENDIX B

TABLE B-2 (continued)

	1606 Linen Yarn (th.m.t.)	1607 Linen Fabrics (mill. meters)	1609 Silk and Rayon Fabrics (mill. meters)	1609.1 Pure Silk Fabrics (mill. meters)	1609.2 Rayon and Mixed Fabrics (mill. meters)
1913	53.3	120.0	[52]	[28]	[24.0]
1914					
1915					
1916					
1917	52.0	97.0†			
1918	27.9				
1919	15.2				
1920	10.3				
1921	8.38				
1921/22					
1922/23	34.4				
1923/24	45.2				
1924/25	47.6				
1925/26	67.8				
1926/27	67.4		[9.2]		
1927/28	61.6	174.4*	[14]	[1.9]	[12.1]
1928/29	70.4	176.8	[18]		
1929/30	78.2*	196.3	17.8		
1931	57.0	141.5	19.5		
1932	54.5	133.6	21.5	9.5	[12.0]
1933	57.6	140.5	26.0	12.2	13.8
1934	66.8	162.1	31.4	14.3	17.1
1935	83.0	215.6	38.2		
1936		295.2	51.7		
1937	97.5	285.2	58.9	[26.1]	[32.8]
1938		269.8	58.8		
1939		257.7	70.4		
1940	109.0	285.5	76.6	[28.1]	[48.5]
1945	40.2	106.5	36.2	[15.3]	[20.9]
1946		112.6	48.7		
1947		141.4	65.4		
1948		184.1	81.7		
1949		225.5	105.0		
1950	99.0	282.2	129.7	[28.8]	[100.9]
1951		313.5	174.3		
1952		256.5	224.6		
1953	95.6†	288.9	400.4		
1954		287.4	517.0		
1955	105.4	305.4	525.8	[33.7]	[492.1]
1956	137.0	383.2	752.0		
1957	147.2	424.2	804.9		
1958	169.2	481.2	844.8		
1959					

(continued)

OUTPUT SERIES

TABLE B-2 (continued)

	1610 Woolen Yarn (th.m.t.)	1611 Woolen and Worsted Fabrics (mill. meters)	1612 Knitted Goods (mill. pieces)	1613 Hosiery (mill. pairs)	1614 Felt Footwear (mill. pairs)
1913	46.5	[105.0]			[16]
1914					
1915					
1916					
1917					
1918	24.9				
1919	9.9				
1920	7.6				
1921	6.8				
1921/22	13.7*				
1922/23	15.7				
1923/24	20.5				
1924/25	29.3				
1925/26	35.8				
1926/27	43.8	[103]			
1927/28	49.5	[117]	8.3	67.7*	15.6
1928/29	57.3	[129]			16.6
1929/30	71.0*	114.5*			
1931	73.0	107.9			
1932	71.0	88.7	39.0	208.0	9.4
1933	67.5	86.1	53.3	250.9	7.6
1934	61.0	77.9	76.1	322.9	7.9
1935	65.5	84.0	89.2	340.7	9.1
1936	73.0	101.5	121.8	358.7	11.2
1937	76.6	108.3	156.6	408.6	13.4
1938		113.2	168.9	451.1	
1939		122.4	170.7	457.4	
1940	82.6	119.7	183.0	485.4	17.9
1945	39.9	53.8	50.0	91.0	13.3
1946		70.9	76.4	133.9	
1947		95.0	100.2	196.7	
1948		123.7	127.2	282.0	
1949		148.6	163.7	375.1	
1950	101.6	155.2	197.5	472.7	22.4
1951		175.6	257.2	597.8	
1952		190.5	298.4	584.9	
1953	137.2†	208.7	340.7	611.9	23.8†
1954		243.2	402.6	674.8	27.2
1955	167.5	252.3	431.6	772.2	24.5
1956	179.5	268.5	433.9	803.2	24.2
1957	187.9	283.8	464.9	844.7	26.4
1958	201.2	302.6	495.2	887.2	28.5
1959			541	926	31

(continued)

APPENDIX B

TABLE B-2 (continued)

	1701 Bicycles (thous.)	1702 Cameras (thous.)	1703 Electric Light Bulbs (millions)	1704 Phonographs (thous.)	1705 Radios (thous.)
1913	4.9	[—]	2.85	—	[—]
1914			2.56		
1915					
1916			4.58		
1917					
1918					
1919					
1920			0.26		
1921			1.11		
1921/22			2.02		
1922/23	0.8		3.82		
1923/24	1.5		6.51		
1024/25			10.7		
1925/26			14.4		
1926/27	6.9		14.4		
1927/28	10.8	—	13.7	—	[—]
1928/29	21.0	—	19.1	—	
1929/30	35.4	3.0	33.2	1.7	
1931	80.9	23.0	44.0	15.7	
1932	125.6	29.6	54.7	57.7	29.0
1933	132.4	115.3	69.5	99.3	22.2
1934	274.5	168.6	83.6	204.8	48.0
1935	324.2	150.7	101.0	284.7	128.1
1936	557.5	268.0	113.2	575.5	334.1
1937	540.7	353.2	116.6	675.1	200.0
1938	385.6	207.5	[134.0]	843.5	202.4
1939					
1940	255.0	355.2	139.8	313.7	160.5
1945	23.8	0.01	52.9	0.6	13.8
1946					
1947					
1948	344.0	157.4		208.3	532
1949	496.0	166.9	167.0	339.6	878
1950	649.3	260.3	212.9	366.8	1,071
1951	1,157	357.2	256.0	454.6	1,233
1952	1,650	459.1	278.6	558.4	1,295
1953	1,903	499.1	297.6	702.5	1,640
1954	2,384	767.9	318.7	920.2	2,894
1955	2,884	1,023	356.8	847.5	3,530
1956	3,120	1,195	409.5	388.1	3,772
1957	3,318	1,322	467.6	191.1	3,551
1958	3,651	1,472	530.1		3,901
1959	3,300	1,600			4,000

(continued)

OUTPUT SERIES

TABLE B-2 (concluded)

	1706 Television Sets (thous.)	1707 Household Sewing Machines (thous.)	1708 Clocks and Watches (thous.)	1709 Motorcycles (thous.)
1913	—	271.8	700	0.1
1914				
1915				
1916				
1917				
1918				
1919				
1920				
1921				
1921/22				
1922/23				
1923/24				
1924/25				
1925/26				
1926/27		202.1		
1927/28	—	285.6	950	—
1928/29		425.2		—
1929/30		538.5		—
1931		500.8	2,990	0.02
1932	—	318.8	3,557	0.11
1933		265.8	4,093	0.12
1934	—	260.9	4,371	0.37
1935		402.8	4,497	1.20
1936		490.0		6.7
1937	—	510.1	4,028	13.1
1938		502.5		
1939				
1940	0.3	175.2	2,796	6.8
1945	—	—	336	4.7
1946				
1947				
1948		307.0	3,070	
1949		411.0	5,960	91.9
1950	11.9	501.7	7,566	123.1
1951	25.3	668.0	9,645	125.1
1952	37.4	804.5	10,490	104.4
1953	84.1	993.2	12,840	143.3
1954	254.3	1,281	16,400	205.9
1955	494.7	1,611	19,710	244.5
1956	596.2	1,914	22,600	297.0
1957	707.8	2,267	23,500	336.5
1958	979.3	2,686	24,800	400.1
1959	1,300	2,900	26,200	500

APPENDIX B

SOURCES TO TABLE B-2

101	<i>Pig iron</i>	
	1913-1932	222, 133. For 1913 and 1927/28-1932, also 138, 62.
	1933-1956	180, 106, 427.
	1957-1959	364, 1/27/58; 1/16/59; 1/22/60.
102	<i>Rolled steel</i>	
	1913	32, 30. A later source (141, 62) gives 3.5 mill. m. tons.
	1914-1926/27	Data in 222, 133 ff, adjusted upward to include pipes and forgings from ingots. For details, see 567, Part 2, series 108.1.
	1927/28-1956	180, 106, 427.
	1957-1959	364, 1/27/58; 1/16/59; 1/22/60.
103	<i>Steel ingots and castings</i>	
	1913-1955	180, 106.
	1956-1958	141, 158 f.
	1959	364, 1/22/60.
201	<i>Primary aluminum</i>	
	1932-1934	221, 190.
	1935	Based on 1934 output and announced annual relative (174.3%, 148, 117).
	1937	267, 204.
	1938	223, 62.
	1939	Based on 1938 output and percentage increase for first half of 1939 over first half of 1938 (107.3%, 318, 9/21/39).
	1940	Based on 1937 output and percentage increase between 1937 and 1940 (159%, 321, 2/21/41).
	1945	Based on 1940 output and percentage increase between 1940 and 1945 (144%, 321, 4/2/46).
202	<i>Copper</i>	
	1913, 1921/22-1933	221, 190.
	1934	399, 1936, No. 3, 4. Also, 146, 128.
	1935-1936	149, 70. For 1936, preliminary.
	1937	Based on 1938 output and announced annual relative (105.8%, 399, 1939, No. 9, 3).
	1938	223, 62.
	1939	Based on 1937 output and percentage increase between 1937 and 1939 (146%, 318, 5/23/40).
	1940	Based on 1937 output and percentage increase between 1937 and 1940 (165%, 321, 2/21/41).
	1945-1954	Based on 1955 output and announced annual relatives for 1946-1952 and 1954-1955 (106%, 109%, 120%, 120%, 110%, 114%, 115%, 105%, and 112%, 364, 1/21/47; 1/18/48; 1/20/49; 1/18/50; 1/26/51; 1/29/52; 1/23/53; 1/21/55; 1/30/56). Annual relative for 1953 (99%) was based on annual relatives for 1951-1952 and 1954-1955 and on percentage increase between 1950 and 1955 (153%, 364, 4/25/56). Annual relatives for 1954-1955 are for refined copper.

OUTPUT SERIES

- 1955 Based on 1955 production in Kazakhstan (estimated at 166 th. m. tons) and the percentage of total output of copper produced in Kazakhstan (44%, 325, 12/18/55). Kazakh production in 1955 was estimated as follows: 1955 output is stated to be 179% of 1950 output (325, 12/18/55); 1950 output is stated to be 100.5% of output planned for 1950 (325, 12/16/51), which is stated to be 2.6 times 1940 output (325, 1/28/49); 1940 output is stated to be 7 times 1913 output (363, 1952, No. 3); 1913 output is given as 5.07 th. m. tons (65, 586).
- 203 *Lead*
- 1913-1921 197, 94 f. For 1913, also 221, 190.
221, 190.
- 1921/22-1932 399, 1936, No. 3, 7.
- 1933-1935 Based on 1935 output and announced annual relative (133.6%, 399, 1937, No. 2, 119).
- 1936 Based on 1932 output and percentage increase between 1932 and 1937 (233%, 318, 3/4/39).
- 1937 Based on 1937 output and announced annual relatives for 1938-1939 (124.8% and 109.4%, 399, 1939, No. 9, 3; 318, 6/24/39).
- 1938-1939 Assumed to be 105% of 1939 output.
- 1940 Assumed to be 120% of 1943 output (estimated at 49.9 th. m. tons from statement in 293, 24, that output in eastern regions of USSR in 1943 was 59 times output in entire USSR in 1915 and from assumption that there was no output outside eastern regions in 1943).
- 1945 Based on 1945 output and announced annual relatives for 1946-1954 (119%, 126%, 102%, 126%, 124%, 125%, 117%, 122%, and 113%, 364, 1/21/47; 1/18/48; 1/20/49; 1/18/50; 1/26/51; 1/29/52; 1/23/53; 1/31/54; 1/21/55). Annual relative for 1955 (114.1%) was based on annual relatives for 1951-1954 and on increase between 1950 and 1955 (2.3 times, 364, 4/25/56).
- 1946-1955
- 204 *Zinc*
- 1913-1916, 1920-1921, 1922/23-1924/25 197, 96 f. For 1913 and 1922/23-1924/25, also 221, 190.
- 1921/22 Interpolated on the basis of lead (series 203).
221, 190.
- 1925/26-1933 399, 1936, No. 3, 11.
- 1934-1935 Based on 1935 output and announced annual relative (136.9%, 399, 1937, No. 2, 119).
- 1936 Output in 1937 is stated (399, 1938, No. 9) to be 85% of planned output in Second Five Year Plan (90 th. m. tons in 294, 138).
- 1937 Output in 1938 is stated (336, 12/16/45) to be 5 times output in 1933.
- 1938 Extrapolated on the basis of lead (series 203).
- 1939-1940 Assumed to be 130% of 1943 output (estimated at 38.4 th. m. tons from statement in 293, 24, that output in eastern regions of USSR in 1943
- 1945

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	was 18.8 times output in entire USSR in 1915 and from assumption that there was no output outside eastern regions in 1943).
1946-1955	Based on 1945 output and announced annual relatives for 1946-1954 (108%, 116%, 136%, 124%, 117%, 115%, 124%, 113%, and 107%, 364, 1/21/47; 1/18/48; 1/20/49; 1/18/50; 1/26/51; 1/29/52; 1/23/53; 1/31/54; 1/21/55). Annual relative for 1955 (116%) was based on annual relatives for 1951-1954 and on increase between 1950 and 1955 (2 times, 364, 4/25/56).
301 <i>Electric power</i>	
1913, 1916, 1921-1955	180, 171.
1920	296, 33.
1956-1958	141, 158 f.
1959	364, 1/22/60.
301.1 <i>Hydroelectric power</i>	
1913, 1916, 1921-1956	180, 171, 427. A later source (141, 158 f) gives 0.04 bill. kwh for 1913.
1957-1958	141, 158 f.
302 <i>Anthracite</i>	
1913-1921	197, 156 ff. For 1913, also 222, 100 f.
1921/22-1929/30	222, 100 f.
1931-1955	180, 144.
1956-1958	141, 204.
1959	Based on 1959 output of all coal (506.5 mill. m. tons, 364, 1/22/60) and percentage breakdown of coal in 1958.
303 <i>Bituminous coal</i>	
1913, 1921/22-1955	180, 144.
1914-1921	197, 156 ff.
1956-1958	141, 204.
1959	Derived in same way as anthracite (series 302).
303.1 <i>Coke</i>	
1913-1917, 1921/22-1925/26	285, 257. For 1913, also 138, 55.
1926/27	185, 423.
1927/28-1928/29	74, 290. For 1927/28, also 138, 55.
1930-1934	222, 19, 153. For 1932, also 138, 55.
1935-1955	180, 115.
1956	138, 60.
1957-1959	364, 1/27/58; 1/16/59; 1/22/60.
304 <i>Lignite</i>	
1913, 1921/22-1933	222, 100 f. For 1927/28-1933, also 138, 67.
1914-1921	197, 156 ff.
1934-1955	180, 144.
1956-1958	141, 204.
1959	Derived in same way as anthracite (series 302).
305 <i>Crude petroleum</i>	
1913-1956	180, 153, 427.
1957, 1959	364, 1/27/58; 1/22/60.
1958	141, 62.

OUTPUT SERIES

306 *Natural gas*

1913, 1922/23–1923/24	Output in m. tons (66, 240) times 1,100, the average ratio for 1927/28 and 1937 of m ³ to m. tons implied by data in 222, 113; 267, 202; and 180, 156.
1921/22	Extrapolated from 1922/23 on the basis of crude petroleum (series 305).
1924/25–1926/27, 1928/29–1931, 1933–1934	Output in m. tons (222, 113) times 1,100, as for 1913.
1927/28, 1932, 1937, 1940, 1945, 1950, 1955	180, 156.
1935–1936	Output in m. tons (combined output of petroleum and natural gas minus output of petroleum, 267 202) times 1,100, as for 1913.
1938	Output in m. tons (combined output of petroleum and natural gas in 223, 51, minus adjusted output of petroleum in 357, 1939, No. 3, 8) times 1,100, as for 1913.
1939	Assumed to be same as in 1938.
1946–1949	Based on 1945 output and announced annual relatives for 1946–1949 (114%, 122%, 110%, and 103%, 364, 1/21/47; 1/18/48; 1/20/49; 1/18/50). Difference (2 percentage points) between link relatives for 1945–1950 and chained annual relatives distributed linearly.
1951–1952	Based on 1950 output and announced annual relatives for 1951–1952 (108% and 102%, 364, 1/29/52; 1/23/53).
1953–1954	Based on 1955 output and announced annual relatives for 1953–1954 (109% and 120%, 364, 1/21/55; 1/30/56).
1956–1958	141, 158 f.

307 *Oil shale*

1913	Assumed no production
1919–1924/25	197, 2 f.
1925/26–1926/27	66, 248.
1927/28	200, 49.
1928/29	79, 155.
1930–1934	132, vol. 24, 51 ff.
1935–1937	172, 100.
1938	318, 6/9/39.
1940, 1945, 1950, 1955–1956	180, 166, 427.
1957–1959	364, 1/27/58; 1/16/59; 1/22/60.

308 *Peat*

1913–1934	222, 130. For 1913 and 1928, also 138, 70: A later source (141, 158 f) gives 13.5 mill. m. tons for 1932.
1935–1955	180, 165.
1956–1958	141, 158 f.

309 *Firewood (consumption)*

1913, 1927/28, 1932–1933, 1936	Consumption in conventional tons of fuel (79, 148) multiplied by 5.3, the ratio of m ³ to conventional tons implied by data in 7, 12, and 363, 1936, No. 1, 6.
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1921/22, 1926/27, 1928/29-1931, 1934-1935	Based on consumption data of limited coverage (172, 90 f) and the ratio of that series to the series in 79, 148, for the years covered in the preceding note. Converted into m ³ as for 1913.
1923/24	363, 1925, No. 3, 105 f. Sum of consumption by urban population and for industrial uses. Converted from sazhen ³ at 1 sazhen ³ = 9.7127 m ³ .
1937-1940, 1945-1953	Based on consumption of coal (detailed NBER estimates of regional distribution of coal output in calorific value) and ratio of firewood to coal consumption for 1937 (363, 1946, No. 2, 101), 1938, 1940, 1950, and 1953 (derived from 363, 1955, No. 3, 40). For years in between, ratio interpolated. Converted into m ³ as for 1913.
1954-1955	180, 248.
1956-1958	141, 251.
401 Soda ash	
1913, 1927/28-1940, 1945-1956	180, 194, 427.
1914-1917, 1920-1927	61, 205 ff. Sum of production of 3 soda ash plants (Donsoda, Slavsoda, and Berezniki).
1918-1919	249, 306.
1957	364, 1/27/58.
402 Caustic soda	
1913, 1927/28-1940, 1945-1955	180, 194.
1916-1919, 1921	417, 1931, No. 1, 58.
1921/22-1923/24	15, 62.
1924/25-1926/27	329, 1931, No. 1, 21.
1956	138, 60.
1957	Assumed same percentage increase as for soda ash (series 401).
404 Sulfuric acid	
1913, 1927/28-1940, 1945-1956	180, 196, 428.
1919	418, 1947, No. 11, 1077.
1921	488, 70.
1922/23	66, 54.
1923/24	285, 262. Oleum included.
1924/25	329, 1931, No. 1, 21.
1925/26	15, 71.
1926/27	17, 1st ed., vol. 59, 588.
1957-1958	141, 158 f.
1959	364, 1/22/60.
404.1 Sulfuric acid (not used in phosphoric fertilizer)	
1913, 1919, 1921, 1922/23-1940, 1945-1959	Total output of sulfuric acid (series 404) minus amount of sulfuric acid used in phosphoric fertilizer (series 405.1), calculated as 340 kg. of sulfuric acid per ton of phosphoric fertilizer, from 417, 1939, No. 3, 11.
405 Mineral fertilizer	
1913, 1927/28-1940, 1945-1959	Sum of phosphoric fertilizer, ammonium sulfate, and potash fertilizer (series 405.1, 405.2, and 405.3).

OUTPUT SERIES

- 405.1 *Phosphoric fertilizer* (18.7% P_2O_5)
 1913, 1927/28–1940, 1945–1955 180, 192.
 1916 Recomputed from data (15 to 20 th. m. tons, 417, 1932, No. 10, 8) considered to be in 14% P_2O_5 .
 1917–1920 Recomputed from data considered to be in 14% P_2O_5 (261, 244).
 1921–1922 Recomputed from data considered to be in 14% P_2O_5 (137, 8).
 1922/23–1926/27 Recomputed from data considered to be in 14% P_2O_5 (260, vol. 24, 470).
 1956–1959 Based on total mineral fertilizer including ground natural phosphate (10.9, 11.7, 12.4, and 12.9 mill. m. tons, 180, 427; 364, 1/27/58; 1/16/59; 1/22/60) and percentage share of phosphoric fertilizer for 1955.
- 405.2 *Ammonium sulfate*
 1913, 1927/28–1940, 1945–1955 180, 192. Given as nitrogenous fertilizer expressed in terms of ammonium sulfate.
 1956–1959 Derived in same way as phosphoric fertilizer (series 405.1).
- 405.3 *Potash fertilizer* (41.6% K_2O)
 1913, 1927/28–1940, 1945–1955 180, 192.
 1956–1959 Derived in same way as phosphoric fertilizer (series 405.1).
- 406 *Ground natural phosphate*
 1913, 1927/28–1940, 1945–1955 180, 192. Given as 19% P_2O_5 .
 1922/23–1926/27 260, vol. 24, 470.
 1956–1959 Derived in same way as phosphoric fertilizer (series 405.1).
- 410 *Red lead*
 1913 27, table 8, 15 f. For large-scale industry in 1912.
 1926/27–1928/29 Output of large-scale industry (3.56, 4.63, and 8.86 th. m. tons, 222, 178) divided by its estimated percentage share of total output (567, Part 4, Table B).
 1932–1935 222, 178. Sum of lead monoxide (*glot*) and lead oxide (*surik*).
 1936 Planned output (148, 136) assumed fulfilled.
 1937 Planned output (149, 90) assumed fulfilled.
 1940, 1945, 1950–1955 180, 198.
 1956–1958 141, 226.
- 411 *Zinc oxide*
 1926/27–1928/29 Output of large-scale industry (4.97, 6.11, and 9.59 th. m. tons, 185, 424; 222, 179) divided by its estimated percentage share of total output (567, Part 4, Table B).
 1932–1935 222, 179.
 1936 Planned output (148, 136) assumed fulfilled.
 1937 Planned output (149, 90) assumed fulfilled.
 1940, 1945, 1950–1955 180, 198.
 1956–1958 141, 226.
- 412 *Synthetic dyes*
 1913 16, 35.
 1916–1917, 1920 303, 1934, No. 8, 458.
 1921/22 193, xlvii. State-owned industry only.

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- 1923/24 Based on 1927/28 output and percentage that 1923/24 output was of 1927/28 output (17.5%, 368, 1939, No. 6, 289).
- 1925/26–1926/27 185, 424. State-owned industry only.
- 1927/28–1935 222, 177.
- 1936 363, 1937, No. 8, 190.
- 1937 Based on 1923/24 output and its percentage of 1937 output (17.2%, 368, 1939, No. 6, 289).
- 1938 18, 819.
- 1940, 1945, 1950–1956 180, 197, 428.
- 1946–1949 Based on 1945 output and announced annual relatives for 1946–1949 (129%, 144%, 135%, and 112%, 364, 1/21/47; 1/18/48; 1/20/49; 1/18/50).
- 416 *Paper*
- 1913 221, 234.
- 1917, 1958 141, 256.
- 1921/22–1923/24 308, 1927, No. 11–12, 711.
- 1924/25 215, 193
- 1925/26–1940, 1945–1956 180, 268, 429.
- 1957, 1959 364, 1/27/58; 1/22/60.
- 417 *Paperboard*
- 1913 221, 234.
- 1921/22–1923/24 308, 1927, No. 11–12, 711.
- 1924/25–1940, 1945–1955 180, 268. A later source (141, 256) gives 545.2 th. m. tons for 1955.
- 1956–1958 141, 256.
- 418 *Motor vehicle tires*
- 1913 222, 179.
- 1914–1917 324, 1937, No. 11, 57.
- 1927/28–1940, 1945–1955 180, 199.
- 1956–1958 141, 228.
- 1959 364, 1/22/60.
- 419 *Rayon and other synthetic fibers*
- 1913 17, 1st ed., vol. 62, 247, 263 ff.
- 1927/28, 1932, 1937, 1940, 1945, 1950, 1955 180, 323.
- 1951–1954, 1956–1958 141, 227.
- 1959 364, 1/22/60.
- 501 *Red bricks*
- 1913 Total bricks (estimated at 3.5 bill. from data in 215, 227, adjusted for size, see notes to series 705.1 in 567, Part 3) minus sand-lime, silica, and slag bricks (series 505).
- 1927/28–1940, 1945–1955 Total bricks (180, 291) minus sand-lime, silica, and slag bricks (series 505).
- 1956–1958 Total bricks (141, 264) minus sand-lime, silica, and slag bricks (series 505).
- 1959 Total bricks (364, 1/22/60) minus sand-lime, silica, and slag bricks (series 505).
- 502 *Fire-clay bricks*
- 1913 363, 1938, No. 12, 38.
- 1925/26–1926/27 185, 294.

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1927/28–1928/29	139, 223.
1929/30	162, 12.
1931	17, 1st ed., vol. 61, 810.
1932, 1937, 1940, 1950–1955	180, 297.
1933–1934	222, 183.
1935–1936	149, 94 f. For 1936, preliminary.
1956–1958	141, 266.

503 *Magnesite bricks*

1913, 1925/26, 1928/29	363, 1938, No. 12, 38.
1922/23–1924/25	66, 542.
1926/27–1927/28	186, 102. For 1926/27, does not include production of magnesite by metallurgical enterprises, which appears to be negligible.
1929/30, 1934	162, 12.
1932, 1937, 1940, 1945, 1950–1955	180, 297.
1933	222, 183.
1935–1936	Estimated from shares of refractory materials (see notes to series 715.6 in 567, Part 3).
1956–1958	141, 266.

504 *Quartzite bricks*

1913	363, 1938, No. 12, 38.
1925/27–1926/27	185, 294.
1927/28–1928/29	139, 223.
1929/30	162, 12.
1932, 1937, 1940, 1945, 1950–1955	180, 297.
1933–1934	215, 227.
1935–1936	149, 94 f. For 1936, preliminary.
1956–1958	141, 266.

505 *Sand-lime, silica, and slag bricks*

1913	Original data (87.3 mill., 27, table 5, 30 f) adjusted upward for incomplete coverage (see 567, Part 3, series 708.6).
1927/28–1929/30	363, 1931, No. 8, 144.
1931	Total bricks (4,680 mill., 180, 291) times ratio of sand-lime, silica, and slag bricks to total bricks interpolated between 1928/29 and 1932 (derived as 0.091 from 180, 291).
1932–1937, 1939–1940, 1945–1955	180, 291.
1938	190, 56 f.
1956–1957	141, 264.
1958–1959	Based on total bricks (141, 264; 364, 1/22/60) and percentage share of sand-lime, silica, and slag bricks in 1955.

506 *Cement*

1913	223, 67. Also, 138, 79.
1917–1919, 1921–1922	84, 244.
1920, 1923–1926, 1956	180, 277, 429.
1926/27	249, 304 f.
1927/28–1931	215, 183.
1932–1940, 1945–1955	138, 79.
1957–1959	364, 1/27/58; 1/16/59; 1/22/60.

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507 *Construction gypsum*

1913	Taken as 85% of output in Russian Empire (610 th. m. tons, midpoint of range, 192, 206 ff), the ratio for 1912 (192, 206 ff).
1925/26–1926/27	66, 187.
1927/28, 1937–1940, 1945–1955	180, 282.
1928/29	393, 1930, No. 2, 105. Output given for enterprises said to account for 90% of total output.
1932	87, 84.
1933	221, 214.
1934	148, 424.
1935–1936	149, 92 f. For 1936, preliminary.
1956–1957	141, 262.

508 *Construction lime*

1913	Based on total lime (630 th. m. tons, converted from poods, 17, 1st ed., vol. 27, 536 f) and ratio of construction lime to total lime in 1927/28 (calculated as 0.081 from this series and 393, 1937, No. 11, 25).
1927/28, 1937–1940, 1945–1955	180, 282.
1928/29	Based on total lime (estimated at 866 th. m. tons from 393, 1930, No. 2, 105) and ratio of construction lime to total lime interpolated between 1927/28 and 1937 (calculated from this series and 267, 205).
1931	Based on total lime (2,272 th. m. tons, 356, 1933, No. 3, 80) and ratio used in 1928/29.
1932–1934	Based on total lime (2,650, 1,966, and 2,636 th. m. tons, 215, 227, 180–182) and ratio used in 1928/29.
1935–1936	Based on total output of lime (2,906 and 3,721 th. m. tons, 149, 92 f) and ratio used in 1928/29.
1956–1957	141, 262.

509 *Industrial timber hauled*

1913	13, 57 ff, as quoted in 514, 155.
1927/28–1929/30	202, 170, as quoted in 514, 155.
1931–1940, 1945–1954	138, 78.
1955	180, 249.
1956–1958	141, 164 f.

510 *Lumber*

1913, 1926/27–1928/29	Output of large-scale industry (11.9, 12.3, 13.6, and 16.6 mill. m ³ , 220, 126) divided by its estimated percentage share of total output (567, Part 4, Tables A and B).
1930–1931	220, 126.
1932–1935	222, 190.
1936	79, 183.
1937	363, 1939, No. 2, 99.
1939	13, 162, 192, as quoted in 516, 118.
1940	342, 1947, No. 10, 10.
1945, 1950–1955	180, 248.
1946–1948	Based on 1945 output and announced annual relatives for 1946–1948 (110%, 120%, and 155%, 364, 1/21/47; 340, 1948, No. 2, 50, as quoted in 516, 118; 342, 1949, No. 1, 1).
1956–1958	141, 164 f.

OUTPUT SERIES

- 511 *Plywood*
- 1913 187, 114 ff, as quoted in 516, 122. Also, 222, 190.
 1926/27-1928/29 Output of large-scale industry (137.4, 185.4, and 246.9 th. m³, 220, 126) divided by its estimated percentage share of total output (567, Part 4, Table B).
 1932-1935 222, 190. For 1935, preliminary.
 1936 341, 1937, No. 5, 3.
 1937 13, 122, 155, as quoted in 516, 122.
 1940, 1945, 1950-1955 180, 248.
 1946 Based on 1945 output and announced annual relative (125.9%, 340, 1947, No. 1, 53).
 1956-1958 141, 164 f.
- 512 *Magnesite metallurgical powder*
- 1913, 1925/26-1928/29 363, 1938, No. 12, 38.
 1922/23-1924/25 66, 542.
 1929/30, 1934 162, 12.
 1932, 1937, 1940, 1945, 1950-1955 180, 297.
 1933 Total refractory materials (1,272 th. m. tons in 222, 183) minus fire-clay, magnesite, and quartzite bricks (series 502, 503, and 504).
 1935-1936 Estimated from shares of refractory materials (see notes to series 715.6 in 567, Part 3).
 1956-1958 141, 266.
- 513 *Roll roofing*
- 1913 138, 58.
 1927 369, 12/5/53, as quoted in 454, 119.
 1927/28-1940, 1945-1955 180, 299. A later source (141, 164 f) gives 503.7 mill. m² for 1955.
 1956-1958 141, 164 f.
 1959 364, 1/22/60.
- 514 *Roofing iron*
- 1913-1920, 1921/22-1934 222, 133 ff.
 1921 Interpolated linearly between 1920 and 1921/22.
 1935-1936 382, 1937, No. 3, 70.
 1937 363, 1938, No. 11, 87.
 1938 210, 47.
 1940 Based on estimated output of roofing and pickled iron and estimated share of roofing iron. Output of pickled iron is stated (12, 33) to account for 1.5% of total output of rolled steel in 1940. Share of roofing iron (74.1%) was obtained by a linear interpolation between 1938 percentage (71.6%) and 1941 planned percentage figure (75.4%).
 1945, 1950, 1955-1959 Assumed no production.
- 515 *Roofing tiles*
- 1913, 1932-1940, 1945-1955 180, 299.
 1956-1958 141, 266.
- 516 *Asbestos shingles*
- 1913, 1935-1940, 1945-1955 180, 299.
 1916, 1919 192, 216.
 1920-1921 135, 310.

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1921/22-1925/26	393, 1930, No. 2, 94.
1926/27	187, 105.
1927/28-1934	356, 1935, No. 21, 14.
1956-1958	141, 164 f.
1959	364, 1/22/60.
518 <i>Rails</i>	
1913-1919	244, 231. Sum of mining and railroad rails.
1927/28-1934	222, 135. Sum of mining and railroad rails.
1935-1936	382, 1937, No. 3, 70. Sum of mining and railroad rails.
1937	Interpolated linearly between 1936 and 1938.
1938	210, 59, 61. Sum of mining rails and first and second quality railroad rails.
1940, 1950, 1955	180, 110.
1945	Extrapolated from 1940 on the basis of the index of construction materials (Table D-4).
1947-1949	Based on 1950 output and announced annual relatives for railroad rails for 1947-1949 (134%, 180%, and 111%, 364, 1/18/48; 1/20/49; 1/18/50).
1951, 1954	580, 1955, B-34 and C-21.
1952	Based on 1951 output and announced annual relative for railroad rails for 1952 (153%, 364, 1/23/53).
1956-1958	141, 190.
519 <i>Window glass</i>	
1913, 1928	138, 58.
1917-1920	Converted from data in tons (261, 244 f).
1921-1927	Converted from data in tons (137, 6 f).
1928-1940, 1945-1955	180, 312.
1956-1958	141, 164 f.
1959	364, 1/22/60.
601 <i>Crude alcohol</i> (100%)	
1913, 1927/28, 1932, 1937, 1940, 1945, 1950, 1955	180, 372.
1926/27	Output of large-scale industry (derived as 1,876 th. hectoliters from 185, 510, taking 1 vedro as 12.3 liters) divided by its estimated percentage share of total output (567, Part 4, Table B).
1928/29-1931, 1938-1939, 1956-1958	141, 319.
1933-1935	222, 23.
1936	149, 102 f. Preliminary.
1946	Based on 1945 output and announced annual relative (127%, 364, 1/21/47).
1947-1949, 1951-1954	Based on 1950 output and announced annual relatives for 1948-1954 (150%, 125%, 106%, 111%, 110%, 118%, and 108%, 364, 1/20/49; 1/18/50; 1/26/51; 1/29/52; 1/23/53; 1/31/54; 1/21/55). A later source (141, 319) gives absolute figures very close to the estimates derived here.
602 <i>Ginned cotton</i>	
1913, 1927/28, 1932, 1937, 1940, 1945, 1950, 1955	180, 324.

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1928/29-1931, 1933-1934	215, 202. Cotton ginned at state farms excluded in 1931.
1935-1936	149, 98 f. For 1936, preliminary.
1938	363, 1940, No. 9, 81.
1949, 1951-1952	Based on 1950 output and announced annual relatives for 1950-1952 (116%, 133%, and 107%, 364, 1/26/51; 1/29/52; 1/23/53).
1953, 1956-1958	141, 272 f.
603 <i>Raw cotton</i>	
1913, 1922	178, 59.
1924-1926	261, 186.
1927	249, 207.
1928-1934	204, 192.
1935	222, 345.
1936	363, 1937, No. 8, 196.
1937	87, 94.
1938	219, 68.
1939-1940	98, 402.
1945, 1950	108, 79.
1946-1947	Based on 1945 output and annual relatives for 1946-1947 (134% and 121%, 3, 30).
1948	Output in 1948 is stated (3, 30) to have reached its prewar level.
1949	Based on 1949 output of ginned cotton (series 602) and ratio of output of raw cotton to ginned cotton in 1950.
1951-1955	Based on 1950-output and index (1950 = 100, 1951 = 105, 1952 = 106, 1953 = 108, 1954 = 108, 1955 = 109, 138, 98).
604 <i>Hard leather</i>	
1913, 1927/28	Output of large-scale industry (18.1 and 63.8 th. m. tons, 27, table 11, 124; 69, 72) divided by its estimated percentage share of total output (567, Part 4, Tables A and B).
1932-1937	69, 72, 74.
1938-1939	518, 66.
1940, 1945, 1950, 1955	180, 357.
1956	Based on 1956 output in RSFSR (58.3 th. m. tons, 136, 100) and percentage share of RSFSR output in total output in 1955 (64.9%, 136, 100).
605 <i>Soft leather</i>	
1913	Based on 1923/24 output of large-scale industry (82, 39) and ratio of 1913 to 1923/24 output for hard leather (27, table 11, 124, and 82, 39).
1927/28	Output of large-scale industry (2,175 mill. dcm ² , 69, 72) divided by its estimated percentage share of total output (567, Part 4, Table B).
1932-1937	69, 72, 74.
1938-1939	518, 66. Sum of Russian and chrome leather.
1940, 1945, 1950, 1955	180, 356.
606 <i>Raw silk</i>	
1913, 1923/24	17, 1st ed., vol. 62, 248.
1921/22	193, 594. Output of the Silk Trust only.

APPENDIX B

1925/26–1926/27	185, 358.
1927/28–1934	215, 205. For 1934, preliminary.
1935–1936	79, 194.
1937, 1940, 1945, 1950, 1955	180, 323.
1953, 1956–1958	141, 272 f.
607 <i>Unwashed wool</i>	
1913	Assumed to be same as in 1916.
1916, 1931–1936	151, 76.
1922–1930	152, 151.
1937	267, 82.
1938	219, 73.
1939–1940	Based on number of sheep and goats (80.9 and 76.7 mill., 138, 128) and assumption that each sheep gives 2 kg of wool.
1950–1952, 1954–1955	Based on 1953 output and index (1950 = 100, 1951 = 107, 1952 = 122, 1953 = 130, 1954 = 128, 1955 = 142, 138, 101).
1953	19, 131.
704 <i>Iron ore</i>	
1913, 1927/28–1940, 1945–1955	180, 115.
1914–1924/25	197, 24 f. For 1913, also 138, 55.
1925/26–1926/27	200, 2 f.
1956	138, 60.
1957	141, 62.
1958–1959	364, 1/16/59; 1/22/60.
706 <i>Manganese ore</i>	
1913–1924/26	197, 52 f.
1925/26–1926/27	200, 4 f.
1928–1929, 1931–1934	222, 153.
1930, 1939–1940, 1945–1955	180, 115.
1935–1936	149, 68 f. For 1936, preliminary.
1937	267, 203
1938	363, 1939, No. 8, 155.
1956–1958	141, 193.
901 <i>Automobiles</i>	
1913	Assumed no production.
1927/28–1940, 1945–1955	180, 223.
1956–1958	141, 162 f.
1959	364, 1/22/60.
902 <i>Trucks and buses</i>	
1913	Assumed no production.
1923/24–1925/26	407, 1927, No. 10, 19.
1926/27	Based on less comprehensive series in 315 and ratio of this series to that one for 1927/28.
1927/28	222, 165. A more recent source (141, 162 f) gives 0.79 th.
1928/29–1940, 1945–1955	180, 223, 428. Total motor vehicles minus automobiles.
1956–1958	141, 162 f.
1959	364, 1/22/60.
903 <i>Diesel and electric locomotives</i>	
1913	Assumed no production.

OUTPUT SERIES

1927/28–1940, 1945–1956	180, 220, 422. Sum of electric and diesel locomotives.
1957–1959	364, 1/27/58; 1/16/59.
904 <i>Steam locomotives (main-line)—units</i>	
1913, 1927/28–1940, 1945–1955	180, 220.
1914–1921	407, 1922, No. 2, 71; No. 4–8, 72.
1921/22–1923/24	182, 194, xlii.
1924/25	183, 149.
1925/26–1926/27	312, 1926, No. 12, 74; 1930, No. 2, 119.
1956	138, 61.
1957–1959	Production was discontinued after 1956.
904.1 <i>Steam locomotives (main-line)—conventional units</i>	
1913, 1927/28–1940, 1945–1955	180, 220.
905 <i>Railroad freight cars</i>	
1913, 1937, 1940	138, 56.
1921	245, 121.
1923/24	246, 116.
1924/25	183, 149.
1926/27	17, 1st ed., vol. 6, 513.
1927/28–1935	222, 163 f.
1936	149, 80 f. Preliminary.
1945–1955	180, 222.
1956	138, 62.
1957–1959	364, 1/27/58; 1/16/59; 1/22/60.
906 <i>Railroad passenger cars</i>	
1913, 1940	138, 56.
1921	407, 1922, No. 10–12, 73.
1923/24	52, 220.
1924/25	183, 149.
1925/26	77, 89. Electric cars excluded.
1926/27	17, 1st ed., vol. 6, 513.
1927/28–1935	222, 164.
1936	149, 80. Preliminary.
1937	267, 207.
1938	346, 7/15/39. Electric cars excluded.
1945, 1950–1956	180, 220, 428.
1957, 1959	364, 1/27/58; 1/22/60.
1958	141, 162 f.
907 <i>Railroad cars, narrow-gauge and for factory use</i>	
1927/28–1934	All railroad freight cars minus main-line cars (both in 222, 163).
1935	All freight cars (149, 80 f) minus main-line cars (222, 163).
1936	All freight cars (32, 29) minus main-line cars (149, 80 f).
1937	All freight cars (79, 169) minus main-line cars (267, 207).
908 <i>Street and subway cars</i>	
1913, 1927/28, 1932, 1937, 1940, 1950–1955	180, 220.
1956–1958	141, 240 f.

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1001 <i>Tractors (excl. garden tractors)—units</i>	
1913	260, vol. 23, 800 f.
1922/23–1923/24	249, 304.
1924/25–1925/26, 1936, 1938–1939,	138, 75.
1946–1949	
1926/27	312, 1929, No. 1, 190.
1927/28–1935	222, 160. Sum of wheel tractors and caterpillar tractors.
1937, 1940, 1945, 1950–1955	180, 228 f.
1956–1958	141, 162 f.
1959	364, 1/22/60.
1001.1 <i>Tractors (excl. garden tractors)—capacity</i>	
1924/25–1925/26, 1927/28–1940,	138, 76.
1945–1955	
1926/27	180, 226.
1002 <i>Tractor-drawn plows (excl. paring plows)</i>	
1913	Assumed no production.
1927/28–1935	222, 161.
1936	149, 78 f. Preliminary.
1937, 1940, 1950	138, 57.
1938	223, 64.
1945	Based on 1946 output and announced annual relative (175%, 364, 1/21/47).
1946	Planned output for 1947 (40 th., 364, 2/28/47) is stated to be 270% of 1946 output (364, 3/1/47).
1947–1949	Based on 1950 output and announced annual relatives for 1948–1950 (224%, 155%, and 147%, 364, 1/20/49; 1/18/50; 1/26/51).
1951–1955	180, 230 f.
1956–1958	141, 162 f.
1959	364, 1/22/60.
1003 <i>Tractor-drawn paring plows</i>	
1913	Assumed no production.
1927/28–1935	222, 161. For 1935, preliminary.
1937, 1940, 1945, 1950–1955	180, 230 f.
1956–1958	141, 244.
1004 <i>Horse-drawn plows</i>	
1913	203, 674 f.
1916	407, 1922, No. 2, 71.
1917	84, 244.
1918–1926/27	249, 304.
1927/28–1935	222, 161.
1937	Assumed to be same as in 1937.
1940, 1945, 1950, 1955–1959	Assumed no production.
1005 <i>Tractor-drawn harrows</i>	
1913	Assumed no production.
1927/28–1935	222, 161. Sum of disk-type and lever-smoothing tractor-drawn harrows (the latter assumed negligible in 1933–1935).
1937, 1940, 1945, 1950–1955	180, 230 f.
1956–1958	141, 244.
1006 <i>Horse-drawn harrows</i>	
1913	203, 674 f.

OUTPUT SERIES

1916	407, 1922, No. 2, 71.
1917	84, 244.
1918-1927/28	249, 304.
1928/29-1935	222, 161.
1937	Assumed to be same as in 1935.
1940, 1945, 1950, 1955-1959	Assumed no production.
1007 <i>Tractor-drawn cultivators</i>	
1913, 1927/28, 1929/30	Assumed no production.
1928/29, 1933, 1938	223, 64.
1931, 1934	Based on data for cultivators for all-round plowing (16.5 and 8.5 th., 222, 161) and ratio for 1933 of these data to tractor-drawn cultivators.
1932, 1937, 1940, 1950	138, 57.
1935-1936	149, 74 f. For 1936, preliminary.
1945	Based on 1946 output and announced annual relative (1,700%, 364, 1/21/57).
1946	Planned output for 1947 (37 th., 364, 2/28/47) is stated to be 233% of 1946 output (364, 3/1/47).
1947-1949	Based on 1950 output and announced annual relatives for 1948-1950 (131%, 142%, and 167%, 364, 1/20/49; 1/18/50; 1/26/51).
1951-1955	180, 230 f.
1956-1958	141, 162 f.
1959	364, 1/22/60.
1008 <i>Horse-drawn cultivators</i>	
1927/28-1935	222, 161. Sum of horse-drawn cultivators for all-round plowing and for interplowing (the latter being obtained as the difference between all interplowing cultivators and tractor-drawn ones).
1937	Assumed to be same as in 1935.
1940, 1945, 1950, 1955-1959	Assumed no production.
1009 <i>Tractor-drawn drills</i>	
1913	Assumed no production.
1927/28, 1932, 1937, 1940, 1950	138, 57.
1945	Based on 1946 output and announced annual relative (429%, 364, 1/21/47).
1946	Planned output for 1947 (30 th., 364, 2/28/47) is stated to be 445% of 1946 output (364, 3/1/47).
1947-1949	Based on 1950 output and announced annual relatives for 1948-1950 (211%, 156%, and 185%, 364, 1/20/49; 1/18/50; 1/26/51).
1951-1955	180, 230 f.
1956-1958	141, 162 f.
1959	364, 1/22/60.
1010 <i>Horse-drawn drills</i>	
1913	203, 674.
1916	407, 1922, No. 2, 71.
1920-1926/27	249, 304.
1927/28-1935	222, 161.
1937	Assumed to be same as in 1935.
1940, 1945, 1950, 1955-1959	Assumed no production.
1011 <i>Combined plows and drills</i>	
1927/28-1935	222, 161. Sum of tractor-drawn and horse-drawn.

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1937, 1940, 1945, 1950, 1955-1959	Assumed no production since none reported for 1935 or in 1941 Plan.
1013 <i>Tractor-drawn potato planters</i>	
1913	Assumed no production.
1927/28-1935	222, 162.
1937, 1940, 1945, 1950, 1955	180, 230 f.
1956-1958	141, 244.
1014 <i>Machines for planting seedlings</i>	
1913	Assumed no production.
1927/28, 1932, 1937, 1940, 1945, 1950-1955	180, 230 f.
1016 <i>Grain combines</i>	
1913	Assumed no production.
1927/28-1940, 1945-1955	180, 232.
1956-1958	141, 162 f.
1017 <i>All other combines</i>	
1913	Assumed no production.
1927/28, 1932, 1937, 1940, 1945, 1950-1955	180, 230 f. Sum of corn, flax, potato, beet, and silo-harvesting combines.
1956	138, 62. Sum of corn, beet, and silo-harvesting combines.
1957-1958	364, 1/27/58; 1/16/59.
1018 <i>Windrowers</i>	
1913, 1945	Assumed no production.
1927/28-1935	222, 162. For 1935, preliminary.
1937, 1940, 1950, 1954-1955	138, 57.
1953, 1956-1958	141, 162 f.
1019 <i>Horse-drawn reapers</i>	
1913	203, 676 f.
1916	407, 1922, No. 10/12, 67.
1917-1921	84, 244.
1921/22	193, 162.
1922/23-1927/28	312, 1929, No. 1, 188 ff. For 1922/23-1923/24, large-scale state industry.
1932-1935	222, 162. Data are for large-scale industry, but output of small-scale industry assumed negligible.
1937	Assumed to be same as in 1935.
1940, 1945, 1950, 1955-1959	Assumed no production.
1020 <i>Cotton pickers</i>	
1913	Assumed no production.
1927/28-1935	222, 162. For 1935, preliminary.
1937, 1940, 1956	138, 57.
1945, 1950-1955	180, 230 f.
1021 <i>Tractor-drawn haymowers</i>	
1913, 1927/28	Assumed no production.
1928/29-1935	222, 162. For 1935, preliminary.
1937, 1940, 1945, 1950-1956	180, 230 f, 428.
1957-1958	141, 244.
1959	364, 1/22/60.

OUTPUT SERIES

1022	<i>Horse-drawn haymowers</i>	
	1913	203, 674.
	1921-1921/22	193, 162 f.
	1925/26	315.
	1926/27-1935	222, 162.
	1937	Assumed to be same as in 1935.
	1940, 1945, 1950, 1955-1959	Assumed no production.
1023	<i>Tractor-drawn rakers</i>	
	1913	Assumed no production.
	1927/28, 1932, 1937, 1940, 1945, 1950-1955	180, 230 f.
	1956-1958	141, 244.
1024	<i>Horse-drawn rakers</i>	
	1927/28-1935	222, 162. For 1935, preliminary.
	1937	Assumed to be same as in 1935.
	1940, 1945, 1950, 1955-1959	Assumed no production.
1025	<i>Tractor-driven threshers</i>	
	1913	Assumed no production.
	1927/28-1931, 1933-1935	222, 162. Sum of tractor-driven grain, corn, and rice threshers. For 1935, output of rice threshers assumed negligible.
	1932, 1937, 1940, 1945, 1950-1958	180, 230 f.
	1936	363, 1937, No. 8, 188.
	1956-1958	141, 244.
1026	<i>Horse-driven threshers</i>	
	1913	203, 676 f, 691.
	1917-1923/24	84, 244.
	1924/25-1928/29	312, 1929, No. 1, 190; 1929, No. 12, 144.
	1932-1935	222, 162. Data are for large-scale industry, but output of small-scale industry assumed negligible.
	1937	Assumed to be same as in 1935.
	1940, 1945, 1950, 1955-1959	Assumed no production.
1027	<i>Grain-cleaning machines</i>	
	1913, 1927/28-1931	Assumed no production.
	1932, 1937, 1940, 1945, 1950-1956	180, 230 f, 428.
	1933, 1935-1936, 1938	363, 1939, No. 8, 160; 1937, No. 3, 231. For 1938, preliminary.
	1957-1958	141, 244.
	1959	364, 1/22/60.
1028	<i>Horse-drawn windrowers</i>	
	1913	203, 676 f.
	1916	407, 1922, No. 2, 71.
	1917-1921	84, 244.
	1921/22-1927/28	312, 1929, No. 1, 188 ff.
	1932, 1937, 1940, 1945, 1950, 1955-1959	Assumed no production.
1029	<i>Horse drivings</i>	
	1913	203, 676 f.
	1921	245, 121.
	1921/22	193, 158.

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1922/23–1923/24	182, 196.
1924/25	183, 151.
1925/26–1926/27	185, 243.
1927/28	186, 124.
1932, 1937	Assumed as rough average of output over 1925/26–1927/28.
1940, 1945, 1950, 1955–1959	Assumed no production.
1030 <i>Chaff and silo cutters</i>	
1913	Assumed no production.
1927/28, 1932, 1937, 1940, 1945, 1950–1955	180, 230 f.
1956–1958	141, 244.
1101 <i>Steam boilers (capacity)</i>	
1913, 1932, 1937	138, 56.
1925/26	183, 103.
1926/27	312, 1930, No. 2, 119.
1927/28–1931, 1933–1935	222, 154. For 1935, preliminary.
1936	32, 26.
1938	223, 64.
1940, 1945–1954	180, 218 f, 214 f.
1955–1958	Capacity in tons of steam per hour (141, 160 f) times 1954 ratio for capacity of m ² to tons of steam per hour (180, 214 f).
1102 <i>Water turbines (capacity)</i>	
1913, 1927/28–1934	222, 20, 154. For 1932, also 138, 56. For 1928–1931 and 1934, a more recent source (141, 239) gives 8.4, 11.6, 28.5, 42.8, and 72.9 th. kw.
1924/25–1926/27	407, 1927, No. 10, 12. Converted from horse power at 1 hp = 0.746 kw.
1935	149, 70. A more recent source (141, 239) gives 52.9 th. kw.
1936	32, 26. A more recent source (141, 239) gives 74.1 th. kw.
1937, 1940	138, 56.
1938–1939, 1946–1949, 1957	141, 239.
1945, 1950–1956	180, 217, 428.
1103 <i>Steam and gas turbines (capacity)</i>	
1913, 1927/28–1934	222, 154. For 1913, 1927/28, and 1932, also 138, 56.
1923/24, 1925/26	407, 1927 No. 10, 11
1924/25	346, 1/21/39.
1926/27	312, 1930, No. 2, 119.
1935	149, 70.
1936	32, 26.
1937, 1940	138, 56.
1938–1939, 1956–1957	141, 238 f. All turbines are given as 6,631 th. kw for 1958 in 141, 160 f, and 7.6 mill. kw for 1959 in 364, 1/22/60.
1945–1955	180, 216.
1104 <i>Locomotives (capacity)</i>	
1927/28–1935	222, 154. For 1935, preliminary.
1936	149, 70 f. Preliminary.
1937	267, 206.
1938	223, 64.

OUTPUT SERIES

- 1105 *Diesel engines (capacity)*
 1913, 1927/28-1935 222, 20, 154. For 1913, 1927/28, and 1932, also 138, 56. For 1935, preliminary.
 1923/24-1925/26 407, 1927, No. 10, 12.
 1926/27 312, 1930, No. 2, 119.
 1936 363, 1937, No. 8, 188.
 1937, 1940, 1945, 1950-1955 180, 214 f.
 1938 223, 64.
 1956 138, 61.
- 1106 *Other internal combustion engines (capacity)*
 1927/28-1934 222, 154.
 1935-1936 149, 70 f. For 1936, preliminary.
 1937 Assumed to be same as in 1936.
 1940 Assumed to be same as 1941 planned output (72, 29).
- 1107 *Turbogenerators (capacity)*
 1924/25, 1938 346, 1/21/39.
 1925/26 315.
 1926/27 312, 1929, No. 2, 159.
 1927/28-1935 222, 155. For 1927/28 and 1932, also 138, 56. For 1935, preliminary.
 1937, 1940, 1956 138, 56.
 1945, 1950-1955 180, 214 f.
 1957 364, 1/27/58. All generators are given as 5,186 th. kw for 1958 in 141, 160 f, and 6.5 mill. kw for 1959 in 364, 1/22/60.
- 1108 *Hydroelectric generators (capacity)*
 1913 Assumed no production.
 1927/28-1933 221, 44. For 1932, also 138, 56.
 1934-1935 215, 69.
 1936 Assumed to be same as in 1935.
 1937, 1940, 1945, 1950-1955 180, 214 f.
 1956 138, 61.
 1957 364, 1/27/58.
- 1109 *Electric motors—A.C. (capacity)*
 1924/25 346, 1/21/39. Assumed to be "normal" motors only although not explicitly stated.
 1927/28-1933 222, 45. For 1927/28 and 1932, also 138, 56.
 1934 215, 70.
 1935-1936 149, 70 f. For 1936, preliminary.
 1937, 1940 138, 56.
 1945, 1950-1955 180, 214 f.
 1956-1958 141, 160 f.
- 1110 *Power transformers (capacity)*
 1913, 1927/28-1935 222, 20, 155. For 1935, preliminary.
 1923/24-1924/25 184, 150.
 1925/26 185, 258.
 1926/27 312, 1929, No. 2, 159.
 1936 149, 70 f. Preliminary.
 1937 267, 35, 206.
 1940, 1945, 1950-1955 180, 214 f.
 1956-1958 141, 160 f.
- 1201 *Coal-mining combines*
 1913, 1928/29-1931 Assumed no production.

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1927/28, 1932-1935	215, 72.
1937, 1940	138, 56.
1945, 1950-1955	180, 212 f.
1956-1958	141, 158 f.
1202 <i>Coal-cutting machines</i>	
1913	Assumed no production.
1927/28-1935	222, 155.
1936	149, 74 f. Preliminary.
1937, 1940, 1945, 1950-1955	180, 212 f.
1938	223, 155.
1956-1958	141, 235.
1203 <i>Electric mining locomotives</i>	
1913	Assumed no production.
1927/28-1935	222, 155. For 1935, preliminary.
1936	149, 80 f. Preliminary.
1937, 1940, 1945, 1950-1955	180, 212 f.
1956-1958	141, 235.
1204 <i>Ore-loading machines</i>	
1940, 1945, 1950-1955	180, 212 f. A more recent source (141, 235) gives 1,965 for 1955.
1956-1958	141, 235.
1205 <i>Deep-shaft pumps</i>	
1937, 1940, 1945, 1950-1955	180, 212 f.
1956-1958	141, 235.
1206 <i>Turbodrills</i>	
1940, 1945, 1950-1955	180, 212 f.
1956-1958	141, 235.
1210 <i>Machine tools</i>	
1913	32, 26.
1925/26-1926/27	185, 208.
1927/28-1940, 1945-1955	180, 207.
1956-1958	141, 158 f.
1959	364, 1/22/60.
1210.1 <i>Bench and engine lathes</i>	
1927/28-1934	222, 156.
1935-1936	149, 72 f. For 1936, preliminary.
1937, 1940, 1945, 1950-1955	180, 208 f.
1957-1958	141, 233.
1211 <i>Electric furnaces</i>	
1913, 1927/28, 1932, 1937, 1940, 1945, 1950-1955	180, 214 f.
1212 <i>Spinning machines</i>	
1927/28, 1932, 1937, 1940	138, 57.
1933-1935	215, 73.
1936	149, 74 f. Preliminary.
1945, 1950-1955	180, 234 f.
1956-1958	141, 164 f.
1213 <i>Winding machines</i>	
1913	Assumed no production.

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1927/28, 1932, 1937, 1940, 1945, 1950-1955	180, 234 f.
1956-1958	141, 246.
1214 <i>Looms</i>	
1913, 1927/28, 1940, 1950, 1954-1955	138, 57.
1932-1934	215, 73. For 1932, also 138, 57.
1935-1936	149, 74 f. For 1936, preliminary.
1937	267, 207.
1945	180, 234 f.
1947-1949	Based on 1950 output and announced annual relatives for 1948-1950 (178%, 173%, and 126%, 364, 1/20/49; 1/18/50; 1/26/51).
1951-1953	Based on 1954 output and announced annual relatives for 1952-1954 (139%, 102%, and 169%, 364, 1/23/53; 1/31/54; 1/21/55).
1956-1958	141, 164 f.
1959	364, 1/22/60.
1215 <i>Cotton-carding machines</i>	
1933-1935	215, 73.
1937	267, 35, 207.
1940, 1945, 1950-1955	180, 234 f.
1956	31, 74.
1957-1958	141, 246.
1216 <i>Knitting machines</i>	
1927/28	186, 122.
1932-1934	215, 73.
1217 <i>Leather-spreading machines</i>	
1913, 1932	Assumed no production.
1927/28, 1937, 1940, 1945, 1950-1955	180, 234 f.
1956-1958	141, 246.
1218 <i>Leather-dressing machines</i>	
1913	Assumed no production.
1927/28, 1932, 1937, 1940, 1945, 1950-1955	180, 234 f.
1956-1958	141, 246.
1219 <i>Typesetting machines (linotype)</i>	
1913	Assumed no production.
1927/28-1934	215, 73.
1937, 1940, 1945, 1950-1955	180, 234 f.
1956-1958	141, 246.
1220 <i>Flat-bed printing presses</i>	
1913	Assumed no production.
1927/28-1934	215, 173.
1937, 1940, 1945, 1950-1955	180, 234 f.
1956-1958	141, 246.
1221 <i>Industrial sewing machines</i>	
1913	Assumed no production.
1927/28-1935	222, 168. For 1935, preliminary.

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1937, 1940, 1945, 1950-1955	180, 234 f. For 1950, 1953, and 1955, a more recent source (141, 246) gives 35.9, 48.5, and 49.4 th.
1956-1958	141, 246.
1222 <i>Metal-pressing machine tools</i>	
1932, 1937, 1940, 1950, 1953, 1955-1958	141, 235.
1959	364, 1/22/60.
1222.1 <i>Presses</i>	
1926/27-1927/28	186, 122.
1932, 1937, 1940, 1945, 1950-1955	180, 211.
1933-1934	222, 157.
1301 <i>Excavators</i>	
1913	Assumed no production.
1927/28-1933	221, 59. For 1932, also 138, 58.
1934, 1938-1939, 1945-1955	180, 236.
1935	149, 76 f.
1936	363, 1937, No. 8, 188.
1937	267, 35, 207. Also 138, 58.
1940	138, 58.
1956-1958	141, 164 f.
1959	364, 1/22/60.
1302 <i>Trench excavators</i>	
1927/28-1935	222, 166. For 1935, preliminary.
1937	Assumed to be same as in 1935.
1303 <i>Stone crushers</i>	
1927/28-1934	222, 166.
1936	149, 76 f. Preliminary.
1937	Assumed to be same as in 1935.
1304 <i>Road graders (except self-propelled)</i>	
1927/28-1935	222, 166. For 1935, preliminary.
1937	267, 41.
1956	31, 73.
1305 <i>Self-propelled road graders</i>	
1913	Assumed no production.
1927/28, 1932, 1937, 1940, 1945, 1950-1955	180, 234 f. For 1950, a more recent source (141, 164 f) gives 33.
1956-1958	141, 164 f.
1959	364, 1/22/60.
1306 <i>Concrete mixers</i>	
1927/28-1934	222, 166.
1937, 1940, 1945, 1950-1955	180, 234 f.
1307 <i>Tractor-driven scrapers</i>	
1913	Assumed no production.
1927/28, 1932, 1937, 1940	138, 58.
1945, 1950-1955	180, 234 f.
1956-1958	141, 164 f.
1308 <i>Bulldozers</i>	
1913	Assumed no production.

OUTPUT SERIES

1927/28, 1932, 1937, 1940	138, 58.
1945, 1950-1955	180, 234 f.
1956-1958	141, 164 f.
1309 <i>Steam-operated railroad cranes</i>	
1913	Assumed no production.
1927/28-1934	222, 166.
1935	215, 80. Preliminary.
1937	267, 41.
1940, 1945, 1950-1955	180, 237.
1956-1958	141, 248.
1310 <i>Self-propelled cranes (except railroad cranes)</i>	
1913, 1927/28	Assumed no production.
1932, 1937, 1940, 1945, 1950-1955	180, 237.
1956-1958	141, 164 f.
1311 <i>Overhead traveling cranes</i>	
1927/28-1934	222, 166. Sum of electric and hand-operated overhead traveling cranes.
1935	215, 80. Preliminary. Sum of electric and hand-operated overhead traveling cranes
1937	267, 41.
1312 <i>Tower cranes</i>	
1913, 1927/28	Assumed no production.
1932, 1937, 1940, 1945, 1950-1955	180, 237. For 1953 and 1955, a more recent source (141, 248) gives 2,747 and 3,329.
1956-1958	141, 248.
1313 <i>Electric elevators</i>	
1927/28-1934	222, 166. Sum of freight and passenger electric hoisting cranes.
1935	215, 80. Preliminary. Sum of freight and passenger electric hoisting cranes.
1937, 1940, 1945, 1950-1955	180, 237. For 1955, a more recent source (141, 248) gives 1,975.
1956-1958	141, 248.
1401 <i>Telephones</i>	
1913	Estimate of hand-operated telephones for 1912, built up from data for geographical regions in 48. Data are given in both physical and value terms for part of output and in only value terms for part, in which case physical output was estimated from value per unit for the former.
1923/24-1924/25	315. Hand-operated telephones only, assuming that production of automatic telephones was negligible before 1927/28.
1925/26-1926/27	185, 258. Hand-operated telephones only.
1927/28-1935	222, 165. Sum of hand-operated and automatic telephones. For 1935, preliminary.
1936	149, 84 f. Preliminary.
1937	267, 206.
1402 <i>Hand-operated switchboards</i>	
1927/28-1935	222, 165. For 1935, preliminary.
1936	Estimated on the basis of the number of outlets (339.4 th., 149, 84 f.).

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1937	Assumed to be same as in 1936.
1403 <i>Automatic switchboards</i>	
1927/28-1931, 1933-1935	222, 165. Sum of large and small automatic switchboards. For 1935, preliminary.
1932, 1940, 1945, 1950-1955	180, 214 f.
1936	149, 84 f. Preliminary.
1937	267, 206.
1956-1958	141, 236 f.
1405 <i>Calculating machines</i>	
1926/27	186, 122.
1927/28-1935	222, 168. For 1935, preliminary.
1936	149, 86 f. Preliminary.
1406 <i>Typewriters</i>	
1927/28-1933	222, 168.
1934-1937	79, 177.
1501 <i>Flour</i>	
1913, 1927/28, 1937, 1940, 1945, 1950, 1955	180, 372.
1932	Assumed.
1953, 1956-1958	141, 302 f.
1502 <i>Macaroni</i>	
1913, 1927/28-1940, 1945-1955	180, 403.
1956	Based on 1957 output and announced annual relative (111%, 364, 1/27/58).
1957-1958	364, 1/27/58; 1/16/59; 1/22/60.
1503 <i>Butter</i>	
1913, 1935-1936, 1938-1940, 1945-1954	138, 90.
1914-1922/23	124, 20.
1923/24	Interpolated linearly between 1922/23 and 1924/25.
1924/25-1926/27	Estimated from incomplete data on share of cooperatives in marketing of butter (352, 1927, No. 20-21, 12 ff.)
1927/28-1934	222, 217. Also, 138, 90.
1937	267, 210. Also, 138, 90.
1955	180, 386.
1956-1958	141, 168 f. Plan fulfillment announcements (364, 1/27/58; 1/16/59) gave 621 and 647 th. m. tons for 1957 and 1958.
1959	364, 1/22/60.
1504 <i>Vegetable oil</i>	
1913, 1932, 1937, 1940, 1956	138, 59, 65.
1927/28	166, 191. Total output of vegetable oil.
1933-1936, 1938-1939, 1945-1955	180, 392.
1957-1958	141, 65.
1959	364, 1/22/60.
1504.1 <i>Oleomargarine</i>	
1913, 1927/28, 1937, 1940, 1945, 1950, 1955	180, 372

OUTPUT SERIES

1928/29	Assumed no production.
1930-1934	222, 222.
1935-1936	149, 104 f. For 1936, preliminary.
1938-1939, 1946-1949, 1951	300, 170.
1952-1954	Based on 1955 output and announced annual relatives for 1953-1955 (124%, 116%, and 102%, 317, 1/31/54; 364, 1/21/55; 1/30/56).
1956-1958	141, 302 f.
1504.2 <i>Vegetable oil minus oleomargarine</i>	
1913, 1927/28, 1932, 1937, 1940,	Vegetable oil (series 1504) minus oleomargarine
1945, 1950, 1955-1958	(series 1504.1).
1505 <i>Cheese</i>	
1930-1934	222, 217.
1935-1936	149, 102 f. For 1936, preliminary.
1937	299, 12.
1938-1939	353, 1940, No. 2-3, 6.
1940	Based on 1950 output and percentage increase between 1940 and 1950 (128%, 410, 1951, No. 4, 10).
1949, 1951-1955	Based on 1950 output and announced annual relatives for 1950-1955 (129%, 120%, 115%, 116%, 112%, and 122%, 364, 1/26/51; 1/29/52; 1/23/53; 1/31/54; 1/21/55; 1/30/56).
1950	Planned output for 1954 (97 th. m. tons, 364, 10/30/53) is stated (<i>ibid.</i>) to be twice 1950 output.
1506 <i>Meat slaughtering</i>	
1913, 1927/28, 1929/30-1931	180, 378.
1932, 1937	363, 1939, No. 5, 161.
1933, 1938	223, 77. For 1938, preliminary.
1934	414, 2/14/35.
1935-1936	149, 102 f. For 1936, preliminary.
1939-1940	Total meat incl. by-products (180, 378) times 1938 ratio (78.8%) of meat excl. by-products (1938 above) to meat incl. them (180, 378).
1945-1950	Total meat incl. by-products (180, 378) minus 1950 share of by-products in total (7.6%, 180, 378).
1951-1955	Total meat incl. by-products (180, 378) minus interpolated share of by-products in total (7.6% in 1950 to 11.8% in 1955, 180, 378).
1956-1957	Total meat incl. by-products minus by-products (141, 306 f.).
1958-1959	Total meat incl. by-products (141, 168 f, and 364, 1/22/60) minus 1957 share of by-products in total (10.5%, 141, 306 f.).
1506.1 <i>Sausages</i>	
1913, 1938	89, 112.
1929/30-1931	348, 1932, No. 11, 22.
1932-1934	222, 215.
1935-1936	149, 104 f. For 1936, preliminary.
1937	363, 1939, No. 5, 161.
1940, 1950, 1955	180, 380.
1948-1949, 1951	Based on 1950 output and announced annual relatives for 1949-1951 (143%, 140%, and 117%, 364, 1/18/50; 1/26/51; 1/29/52).

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1952-1954, 1956	Based on 1955 output and announced annual relatives for 1953-1956 (116%, 111%, 108%, and 107%, 364, 1/31/54; 1/21/55; 1/30/56; 180, 429).
1957	Based on 1958 output and announced annual relative for 1958 (106%, 364, 1/16/59).
1958-1959	364, 1/16/59; 1/22/60.
1507 <i>Fish catch</i>	
1913	17, 1st ed., vol. 50, 26. Also, 138, 89.
1917, 1920-1927, 1955	180, 381.
1928, 1935-1936, 1938-1940, 1945-1954	138, 39.
1929-1931, 1933-1934	215, 216. Also, 138, 89.
1932, 1937	321, 3/28/46. Also, 138, 89.
1956-1958	141, 168 f.
1959	364, 1/22/60.
1508 <i>Soap (40% fatty acid)</i>	
1913	Output of large-scale industry (200.6 th. m. tons, 301, 13) divided by its 1926/27 percentage share of total output (567, Part 4, Table A). The original official figure of 128 th. m. tons, not used here since it is apparently not expressed in 40% fatty acid content, has recently been raised to 168 th. m. tons (141, 168).
1928-1929	Output of state and cooperative industry (derived as 307 and 348 th. m. tons from 1930 output and percentage increases of hard household soap in 222, 229) divided by its estimated percentage share of total output (567, Part 4, Table B).
1930-1931	Based on 1932 output and annual relatives for 1931-1932 derived from output of hard household soap adjusted to 40% fatty acid from data for state industry (347, 1934, No. 12, 48 ff).
1932, 1937	87, 86. Also 138, 59.
1933	146, 146.
1934	148, 430.
1935-1936	149, 102. For 1936, preliminary.
1938-1939	300, 178
1940, 1950, 1954	138, 59.
1945, 1955	180, 372.
1946-1949	Based on 1950 output and announced annual relatives for 1947-1950 (128%, 145%, 170%; and 111%, 364, 1/18/48; 1/20/49; 1/18/50, 1/26/51).
1951-1953	Based on 1954 output and announced annual relatives for 1952-1954 (102%, 111%, and 121%, 364, 1/23/53; 1/31/54; 1/21/55). A later source (141, 168 f) gives 878 th. m. tons for 1953.
1956-1958	141, 168 f.
1959	364, 1/22/60.
1509 <i>Salt</i>	
1913-1924/25	197, 132 f.
1925/26-1926/27	199, 904.
1927/28-1935	222, 174.

OUTPUT SERIES

1936	Based on output subject to planning in 1936 (4,007 th. m. tons, 149, 104f) and ratio for 1935 of total output to output subject to planning (latter 4,184 th. m. tons, 149, 104f).
1937, 1940, 1945, 1950, 1955	180, 372.
1938-1939, 1946-1949, 1951-1952, 1954	300, 176.
1953, 1956-1958	141, 302 f.
1510 <i>Raw sugar consumption</i>	
1913-1926/27, 1940	180, 373.
1927/28-1928/29, 1936, 1938-1939, 1945-1955	138, 91.
1930-1931, 1933-1935	222, 220, 226. Also, 138, 91.
1932	362, 1936, No. 2, 50.
1937	176, 296.
1956	140, 65.
1957, 1959	364, 1/27/58; 1/22/60.
1958	141, 65.
1510.1 <i>Refined sugar</i>	
1913-1940, 1945-1955	180, 373.
1956-1958	141, 304.
1510.2 <i>Raw sugar minus refined sugar and sugar in candy</i>	
1913, 1927/28, 1932, 1937, 1940, 1945, 1950, 1955	Raw sugar (series 1510) minus refined sugar (series 1510.1) and 50% of candy (series 1519).
1511 <i>Starch and syrup</i>	
1913, 1937, 1940, 1945, 1950, 1955	180, 372.
1927/28-1928/29	Output of large-scale industry (69.1 and 68.6 th. m. tons, 222, 227) divided by its estimated percentage share of total output (567, Part 4 Table B).
1930-1934	222, 227. Sum of starch and syrup. For 1930/1931, original data cover enterprises that produced 93% of starch and 94% of syrup in 1932 and have been adjusted upward accordingly.
1935-1936	149, 104 f. For 1936, preliminary.
1938-1939, 1946-1949, 1951-1952, 1954	300, 179.
1953, 1956-1958	141, 302 f.
1512 <i>Yeast</i>	
1913, 1925/26	184, 396.
1923/24-1924/25	183, 635.
1926/27	185, 515.
1927/28	361, 1929, No. 11-12, 596.
1928/29-1934	222, 228.
1935-1936	149, 104 f. For 1936, preliminary.
1937	Assumed to be same as in 1936.
1940	Assumed to be same as in 1950.
1950	Planned output for 1955 (95 th. m. tons, 364, 10/30/53) is stated (<i>ibid.</i>) to be twice output in 1950.
1951-1953	Based on 1950 output and annual relatives for the RSFSR for 1951-1953 (124%, 116%, and 110%, 321, 2/7/52; 1/30/53; 364, 2/9/54).

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1954-1955	Planned outputs (364, 10/30/53) assumed fulfilled.
1513 <i>Canned food</i>	
1913	138, 59.
1927/28-1940, 1945-1956	180, 398, 430.
1957-1958	141, 168 f.
1959	364, 1/22/60.
1513.1 <i>Canned meat</i>	
1913, 1932, 1937, 1940, 1950, 1955	180, 399.
1927/28	Based on total output of canned food (series 1513) and percentage breakdown calculated from 166, 274.
1953, 1956-1957	141, 315.
1513.2 <i>Canned fish</i>	
1913, 1927/28, 1932, 1937, 1940, 1950, 1953, 1955-1957	Same sources as for canned meat (series 1513.1).
1513.3 <i>Canned milk</i>	
1913, 1927/28, 1932, 1937, 1940, 1950, 1953, 1955-1957	Same sources as for canned meat (series 1513.1).
1513.4 <i>Canned vegetables and fruit</i>	
1913, 1927/28, 1932, 1937, 1940, 1950, 1953, 1955-1957	Same sources as for canned meat (series 1513.1).
1514 <i>Beer</i>	
1913	222, 228.
1923/24-1924/25	183, 401. Converted from vedros at 1 vedro = 12.3 liters.
1925/26-1926/27	185, 517.
1927/28	186, 565.
1928/29	388, 1930, No. 1, 40.
1930	Output of state industry (3,383 th. hectoliters for 1930, 222, 228) plus estimated output of cooperative and private industries (obtained from rough linear extrapolation of data in 186, 565, with output negligible in 1931).
1931, 1933-1934	222, 228.
1932, 1937, 1940, 1945, 1950, 1955	180, 372.
1935-1936	149, 104 f.
1938-1939, 1946-1947	300, 174.
1948-1949, 1951-1954	Based on 1950 output and announced annual relatives for 1949-1954 (139%, 133%, 116%, 106%, 114%, and 103%, 364, 1/18/50; 1/26/51; 1/29/52; 1/23/53; 1/31/54; 1/21/55).
1956-1958	141, 302 f.
1515 <i>Cigarettes</i>	
1913, 1929-1934	222, 220.
1917-1925/26	261, 246.
1926/27	249, 311.
1927/28, 1937, 1940, 1945, 1955-1956	180, 372, 430.
1935	148, 177.
1936	149, 105. Preliminary.

OUTPUT SERIES

1938	223, 77. Preliminary.
1939, 1946-1947	300, 177.
1948-1949, 1951-1954	Based on 1950 output and announced annual relatives for 1949-1954 (117%, 116%, 113%, 112%, 116%, and 113%, 364, 1/18/50; 1/26/51; 1/29/52; 1/23/53; 1/31/54; 1/21/55). Planned output for 1954 (200 bill., 364, 10/30/53) is stated (<i>ibid.</i>) to be 160% of 1950 output.
1950	364, 1/27/58; 1/16/59; 1/22/60.
1957-1959	
1516 <i>Low-grade tobacco</i>	
1913	222, 228.
1917-1922/23	261, 246. Large-scale industry only, but output of small-scale industry seems to have been negligible.
1923/24-1924/25	183, 527.
1925/26	184, 358.
1926/27-1927/28	185, 523.
1928/29-1931	361, 1929, No. 11-12, 596; 1932, No. 1-2, 13.
1932, 1937	363, 1939, No. 5, 161.
1933	362, 1935, No. 2-3, 95.
1934-1935	148, 431.
1936	149, 104 f. Preliminary.
1938-1939, 1946-1949, 1951-1952, 1954	300, 177.
1940, 1945, 1950, 1955	180, 372.
1953, 1956-1958	141, 302 f.
1517 <i>Matches</i>	
1913, 1931	215, 187.
1917	261, 246.
1918-1919, 1921	249, 306 f.
1920, 1921/22-1929/30, 1932-1939, 1945	342, 1946, No. 6-7, 13, 15.
1940, 1950-1955	180, 267.
1956-1958	141, 254.
1518 <i>Vodka (40% alcohol)</i>	
1913, 1927/28, 1932, 1937, 1940, 1945, 1950, 1955	180, 372.
1924/25-1926/27	185, 511.
1928/29	312, 1929, No. 12, 193.
1930-1931	361, 1932, No. 1-2, 13. For 1931, preliminary.
1953, 1956-1958	141, 302 f.
1519 <i>Candy</i>	
1913	Confectionery (109 th. m. tons, 138, 59) times share of candy in confectionery (66%, 27, III, 118 f).
1926/27-1928/29	Output of large-scale industry (38.5, 66.8, and 101.0 th. m. tons, 388, 1928, No. 5, 36 f; 1930, No. 1, 40) divided by its estimated percentage share of total output (567, Part 4, Table B).
1930-1931	Confectionery (271 and 518 th. m. tons, 180, 401) times share for smaller industrial coverage of candy in confectionery in 1934 (64%, 222, 228).
1932, 1937, 1940, 1950, 1955	180, 402.
1933-1934	222, 228.

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1935-1936	Confectionery (606.4 th. m. tons for 1935, <i>149</i> , 104 f; derived as 810.1 th. m. tons for 1936 by adjusting downward data in <i>383</i> , 1937, No. 1, 37) times interpolated share of candy in confectionery (64% in 1934, <i>222</i> , <i>228</i> , to 57.9% in 1937, <i>22</i> , <i>402</i>).
1938-1939	Interpolated between 1937 and 1940.
1945	Confectionery (212 th. m. tons, <i>180</i> , <i>401</i>) times 1940 share of candy in total (46.4%, <i>180</i> , <i>402</i>).
1946-1949	Interpolated between 1945 and 1950.
1951-1954	Interpolated between 1950 and 1955. A later source (<i>141</i> , <i>317</i>) gives 748 th. m. tons for 1953. <i>141</i> , <i>317</i> .
1956-1957	Confectionery (1,673 and 1,800 th. m. tons, <i>141</i> , 302 f, and <i>364</i> , 1/22/60) times 1957 share of candy in confectionery (45.6%, <i>141</i> , <i>317</i>).
1958-1959	
1601 <i>Boots and shoes</i>	
1913, 1933-1940, 1945-1955	<i>138</i> , 87. A later source (<i>141</i> , 166 f) gives 238.1 mill. pairs for 1953 and 271.2 mill. pairs for 1955.
1916	<i>69</i> , 58.
1926/27-1928/29	Output of large-scale industry (15.2, 23.6, and 38.9 mill. pairs, <i>69</i> , <i>69</i> ff) divided by its estimated percentage share of total output (<i>567</i> , Part 4, Table B).
1932	<i>118</i> , 92. It is not clear whether this includes rebuilt shoes. A later source (<i>141</i> , 166 f) gives 86.9 mill. pairs.
1956-1958	<i>141</i> , 166 f.
1959	<i>364</i> , 1/22/60.
1602 <i>Rubber footwear</i>	
1913	<i>215</i> , 176.
1914-1917	Taken as 115% of output of rubber galoshes (19.4, 20.5, 15.2, and 17.4 mill. pairs, <i>49</i> , <i>214</i> ; <i>261</i> , <i>244</i>), the ratio for 1913.
1918-1922/23	Taken as 102% of output of rubber galoshes (5.86, 2.62, 0.01, 0.63, 8.57, and 10.1 mill. pairs, <i>261</i> , <i>244</i>), the ratio for 1923/24.
1923/24	<i>324</i> , 1937, No. 11, 69.
1924/25-1925/26	Taken as 102.5% and 103% of output of rubber galoshes (15.7 and 25.3 mill. pairs, <i>261</i> , <i>244</i>), which are linear interpolations of ratios for 1923/24 and 1927/28.
1926/27	<i>185</i> , 25. Given for galoshes, but implied output for 1913 in this source coincides with 1913 output of rubber footwear.
1927/28-1928/29, 1931-1934	<i>222</i> , 179. For 1927/28 and 1932, also <i>138</i> , 59.
1929/30, 1935, 1938-1939, 1945-1955	<i>180</i> , 199. A later source (<i>141</i> , 166 f) gives 110.8, 113.1, and 134.6 mill. pairs for 1950, 1953, and 1955.
1936	<i>149</i> , 92.
1937	<i>267</i> , 205.
1940	<i>138</i> , 59.
1956-1958	<i>141</i> , 228.
1603 <i>Cotton yarn</i>	
1913, 1935-1936	<i>79</i> , 191.
1917	<i>261</i> , 246 f.

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1918-1922	249, 308 f.
1923-1927, 1929	137, 8.
1927/28, 1940, 1945, 1950, 1955	180, 323.
1930-1934	215, 206.
1937	87, 85.
1938	Output in 1939 is stated (176, 282) to be 32.6 th. m. tons more than in 1938.
1939	Taken as 111.4% of ministerial output 504 th. m. tons, 363, 1940, No. 9, 88), the ratio planned for 1941 (72, 71).
1953, 1956-1958	141, 272 f.
1604 <i>Cotton fabrics</i>	
1913, 1927/28-1932, 1937-1940, 1946-1954	138, 83.
1917	261, 246. Estimate.
1918-1920	249, 308 f. Estimates.
1921-1926	137, 8.
1926/27	Output of large-scale industry (2,370 mill. meters, 249, 308) divided by its estimated percentage share of total output (567, Part 4, Table B).
1933-1936	79, 192.
1945, 1955	180, 323.
1956-1958	141, 164 f.
1605 <i>Cotton thread</i>	
1913, 1927/28, 1932, 1937, 1940, 1945, 1950, 1955	180, 323.
1953, 1956-1958	141, 272 f.
1606 <i>Linen yarn</i>	
1913	269, 192.
1917	261, 246.
1918-1920, 1922/23-1926/27	249, 308.
1921, 1930-1931	137, 8.
1927/28, 1937, 1940, 1945, 1950, 1955	180, 323.
1928/29	370, 1929, No. 23-24, 128.
1932-1935	215, 227. For 1935, preliminary.
1953, 1956-1958	141, 272 f.
1607 <i>Linen fabrics</i>	
1913	17, 1st ed., vol. 37, 525. Also, 138, 58.
1917, 1956-1958	141, 274.
1928	138, 58.
1928/29-1931, 1934-1940, 1945-1955	180, 328.
1932	363, 1939, No. 5, 161.
1933	215, 73.
1609 <i>Silk and rayon fabrics</i>	
1913, 1926/27-1928/29	Output of large-scale industry (40, 6.47, 9.6, and 13.0 mill. meters, 333, 1953, No. 18, 20; 249, 308 f; 215, 210) divided by its estimated percentage share of total output (567, Part 4, Tables A and B).
1929/30-1933	215, 210. Also, 138, 86.
1934-1936, 1938-1940, 1945-1954	138, 86. A later source (141, 65) gives 77.3 mill. meters for 1940.

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1937	87, 85. Also, 138, 86.
1955	180, 323.
1956-1958	141, 166 f.
1609.1 <i>Pure silk fabrics</i>	
1913	Silk and rayon fabrics (series 1609) times share of pure silk in total (54%, 17, 1st ed., vol. 62, 247; 375, 1933, No. 3-4, 55).
1927/28	Apparent consumption of raw silk (estimated at 121 tons from series 606 and net imports in 283, 190 f, 522 f) times 1913 ratio of silk fabrics to consumption of raw silk (estimated at 1,806 tons from <i>ibid.</i>).
1932-1934	215, 210. Sum of silk, pile fabrics, piece goods, and silk for sieves.
1937	Apparent consumption of raw silk in 1937 (estimated at 1,687 tons from series 606 and net imports in 409, 1937, No. 12, 29) times 1913 ratio (see 1927/28 above).
1940, 1945, 1950, 1955	Raw silk (series 606) times 1913 ratio (see 1927/28 above).
1609.2 <i>Rayon and mixed fabrics</i>	
1913, 1927/28, 1932, 1937, 1945, 1950, 1955	Summed rayon fabrics and mixed fabrics. Rayon fabrics derived as rayon (series 419) times 1940 ratio of rayon fabrics to rayon. Mixed fabrics derived as silk and rayon fabrics (series 1609) minus summed pure silk fabrics (series 1609.1) and rayon fabrics.
1933-1934	Summed rayon fabrics (215, 210) and mixed fabrics (derived as residual as above).
1940	Summed rayon fabrics and mixed fabrics (derived as residual as above). Rayon fabrics derived from silk and rayon fabrics (series 1609) times share of rayon fabrics in total (31.4%, 394, 1946, Nos. 7-8, 8).
1610 <i>Woolen yarn</i>	
1913, 1930-1931	269, 199.
1918-1926/27	249, 308.
1927/28, 1937, 1940, 1945, 1950, 1955	180, 323.
1928/29, 1936	79, 191.
1932-1935	215, 209. For 1935, preliminary.
1953, 1956-1958	141, 272 f.
1611 <i>Woolen and worsted fabrics</i>	
1913, 1926/27-1928/29	Output of large-scale industry (103.1, 85.2, 93.2, and 100.6 mill. meters, 363, 1939, No. 8, 155; 249, 308 f; and 79, 194) divided by its estimated percentage share of total industry (567, Part 4, Tables A and B).
1930-1931, 1935-1940, 1945-1954	138, 85.
1932-1934	215, 209.
1955	180, 323.
1956-1958	141, 166 f.
1612 <i>Knitted goods</i>	
1927/28, 1937, 1940	138, 58. Sum of knitted outer garments and underwear.

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1932-1934	Sum of knitted outer garments (215, 210) and underwear (222, 204).
1935-1936, 1938-1939, 1945-1955	180, 343. Sum of knitted outer garments and underwear.
1956	140, 64.
1957-1959	364, 1/27/58; 1/16/59; 1/22/60. Sum of knitted outer garments and underwear.
1613 <i>Hosiery</i>	
1928, 1937, 1940	138, 58.
1932	363, 1939, No. 5, 161.
1933-1934	222, 204.
1935-1936, 1938-1939, 1945-1955	180, 343.
1956-1958	141, 166 f.
1959	364, 1/22/60.
1614 <i>Felt footwear</i>	
1913	Assumed to be same as 1927/28.
1927/28	Sum of state and cooperative industry (4.4 mill. pairs, 376, 1930, No. 5-6, 13) and estimated <i>kustar</i> ' industry (taken to be same as in 1928/29).
1928/29	376, 1930, No. 5-6, 13. Sum of state (2.6 mill.), cooperative (2.8 mill.), and <i>kustar</i> ' industry (11.2 mill.).
1932, 1937, 1940, 1945; 1950, 1954-1955	138, 59.
1933-1934	222, 205.
1935-1936	363, 1937, No. 3, 235. For 1936, preliminary.
1953, 1956-1958	141, 166 f.
1959	364, 1/22/60.
1701 <i>Bicycles</i>	
1913, 1932, 1937, 1940, 1950	138, 59.
1922/23	51, 186.
1923/24	52, 222.
1926/27	315.
1927/28-1931, 1933-1934	222, 165. For 1927/28, also 138, 59.
1935-1936	149, 88 f. For 1936, preliminary.
1938	363, 1939, No. 8, 182. Preliminary.
1945, 1951-1955	180, 362.
1948-1949	Based on 1950 output and announced annual relatives for 1949-1950 (144% and 131%, 364, 1/18/50; 1/26/51).
1956	140, 65.
1957-1958	141, 168 f.
1959	364, 1/22/60.
1702 <i>Cameras</i>	
1913	Assumed no production.
1927/28-1935	222, 168.
1936	149, 88 f. Preliminary.
1937, 1940, 1950	138, 59.
1938	363, 1939, No. 8, 182. Preliminary.
1945, 1951-1955	180, 362.
1948-1949	Based on 1950 output and announced annual relatives for 1949-1950 (106% and 156%, 364, 1/18/50; 1/26/51).
1956-1958	141, 168 f.

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.1959	364, 1/22/60.
1703 <i>Electric light bulbs</i>	
1913, 1916, 1921	193, 175, xlvii.
1914, 1920	192, 93.
1921/22-1926/27	312, 1929, No. 1, 189.
1927/28, 1932, 1937, 1940, 1945, 1950-1955	180, 214 f.
1928/29-1931, 1933-1935	222, 167. For 1935, preliminary.
1936	149, 72 f. Preliminary.
1938	Electric light bulbs up to 150 watts (363, 1939, No. 8, 182) times ratio of all bulbs to bulbs up to 150 watts interpolated between 1933 (<i>ibid.</i>) and 1941 Plan (72, 170).
1949	Based on 1950 output and announced annual relative (128%, 364, 1/26/51).
1956-1958	141, 236 f.
1704 <i>Phonographs</i>	
1913, 1937, 1940, 1950	138, 59.
1927/28-1935	222, 168.
1936	149, 88 f. Preliminary.
1938	363, 1939, No. 8, 182. Preliminary.
1945, 1951-1955	180, 363.
1948-1949	Based on 1950 output and announced annual relatives for 1949-1950 (163% and 108%, 364, 1/18/50; 1/26/51).
1956	140, 65.
1957	141, 301.
1705 <i>Radios</i>	
1913, 1927/28	Assumed no production.
1932, 1937	138, 59. Given as radio and television sets, but it is assumed that no television sets were produced during these years.
1933-1936	79, 176.
1938	363, 1939, No. 8, 182. Preliminary.
1940, 1945, 1950-1955	180, 363. A later source (141, 300) gives 3,549 th. for 1955.
1948-1949	Based on 1950 output and announced annual relatives for 1949-1950 (165% and 122%, 364, 1/18/50; 1/26/51).
1956-1958	141, 300.
1959	364, 1/22/60.
1706 <i>Television sets</i>	
1913, 1927/28, 1932, 1934, 1937	Assumed no production.
1940, 1945, 1950-1955	180, 363.
1956-1958	141, 300.
1959	364, 1/22/60.
1707 <i>Household sewing machines</i>	
1913, 1937, 1940, 1945, 1950-1955	180, 362.
1926/27	186, 122.
1927/28-1935	222, 168. For 1927/28 and 1932, also 138, 59.
1936	149, 88 f. Preliminary.
1938	363, 1939, No. 8, 182. Preliminary.
1948-1949	Based on 1950 output and announced annual relatives for 1949-1950 (134% and 122%, 364, 1/18/50; 1/26/51).

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1956-1958	141, 168 f.
1959	364, 1/22/60.
1708 <i>Clocks and watches</i>	
1913	138, 59.
1927/28, 1932, 1937, 1940, 1945, 1950-1956	180, 362, 429.
1931, 1933-1935	222, 168. Clocks and watches minus electric clocks. For 1935, preliminary.
1948-1949	Based on 1950 output and announced annual relatives for 1949-1950 (194% and 127%, 364, 1/18/50; 1/26/51).
1957, 1959	364, 1/27/58; 1/22/60.
1958	141, 166 f.
1709 <i>Motorcycles</i>	
1913, 1937, 1940, 1950	138, 59.
1927/28-1931	222, 165. For 1927/28, also 138, 59.
1932-1935	215, 83. For 1932, also 138, 59.
1936	149, 88 f. Preliminary.
1945, 1951-1956	180, 362, 429.
1949	Based on 1950 output and announced annual relative (134%, 364, 1/26/51).
1957-1958	141, 168 f.
1959	364, 1/22/60.

TABLE B-3

OUTPUT OF INDIVIDUAL PRODUCTS IN 1937: INTERWAR AND POSTWAR SOVIET TERRITORY

Code	Product	Unit	Output	
			Interwar Territory	Postwar Territory
101	Pig iron	th. m.t.	14,490	14,490
102	Rolled steel	th. m.t.	12,970	12,990
103	Steel ingots and castings	th. m.t.	17,730	17,730
201	Primary aluminum	th. m.t.	37.7	37.7
202	Copper	th. m.t.	97.5	97.5
203	Lead	th. m.t.	62.3	62.3
204	Zinc	th. m.t.	76.5	76.5
301	Electric power	bill. kwh	36.2	37.0
301.1	Hydroelectric power	bill. kwh	4.18	4.18
302	Anthracite	mill. m.t.	28.01	28.01
303	Bituminous coal	mill. m.t.	81.87	83.87
303.1	Coke	mill. m.t.	20.0	20.0
304	Lignite	mill. m.t.	18.09	18.09
305	Crude petroleum	mill. m.t.	28.5	28.97
306	Natural gas	mill. m ³	2,179	3,000
307	Oil shale	th. m.t.	515	1,637
308	Peat	mill. m.t.	24.0	24.5
401	Soda ash	th. m.t.	528.2	528.2
404	Sulfuric acid	th. m.t.	1,369	1,369
405	Mineral fertilizer	th. m.t.	2,590.1	2,979.1
405.1	Phosphoric fertilizer	th. m.t.	1,427.7	1,625.7
405.2	Ammonium sulfate	th. m.t.	761.6	761.6
405.3	Potash fertilizer	th. m.t.	355.8	591.8

(continued)

APPENDIX B

TABLE B-3 (concluded)

Code	Product	Unit	Output	
			Interwar Territory	Postwar Territory
406	Ground natural phosphate	th. m.t.	649.9	660.0
410	Red lead	th. m.t.	15.0	15.5
412	Synthetic dyes	th. m.t.	309.6	309.6
416	Paper	th. m.t.	831.6	886.8
417	Paperboard	th. m.t.	144.2	148.8
418	Motor vehicle tires	thous.	2,698	2,698
501	Bricks	mill.	7,471	7,845
502	Fire-clay bricks	th. m.t.	1,780	1,780
505	Sand-lime, silica, and slag bricks	mill.	1,195	1,220
506	Cement	th. m.t.	5,454	5,761
507	Construction gypsum	th. m.t.	1,212	1,284
508	Construction lime	th. m.t.	3,750	3,840
510	Lumber	mill. m ³	33.8	37.9
511	Plywood	thous. m ³	672.3	752.0
513	Roll roofing	mill. m ²	161.4	165.9
516	Asbestos shingles	mill.	187.0	193.6
519	Window glass	mill. m ²	79.3	81.5
601	Crude alcohol	thous. hectol.	7,670	7,820
604	Hard leather	th. m.t.	59	67
605	Soft leather	mill. dcm ²	4,283	4,840
704	Iron ore	th. m.t.	27,770	27,770
1501	Flour	mill. m.t.	28.0	31.1
1503	Butter	th. m.t.	185.2	240
1504	Vegetable oil	th. m.t.	539	539
1505	Cheese	th. m.t.	31.0	31.3
1506	Meat slaughtering	th. m.t.	812	1,074
1507	Fish catch	th. m.t.	1,609	2,169
1508	Soap	th. m.t.	495	500
1509	Salt	th. m.t.	3,200	3,200
1510	Raw sugar consumption	th. m.t.	2,421	2,587
1510.1	Refined sugar	th. m.t.	1,032	1,032
1513	Canned food	mill. cans	982	1,002
1514	Beer	th. hectol.	8,960	9,700
1515	Cigarettes	billions	89.2	92.5
1516	Low-grade tobacco	th. 20-kg. crates	5,343	5,343
1517	Matches	th. crates	7,163	7,503
1601	Boots and shoes	mill. pairs	182.9	184
1602	Rubber footwear	mill. pairs	84.6	87.7
1603	Cotton yarn	th. m.t.	532.9	543.4
1604	Cotton fabrics	mill m.	3,448	3,488
1607	Linen fabrics	mill. m.	285.2	289
1609	Silk and rayon fabrics	mill. m.	58.9	62.7
1611	Woolen and worsted fabrics	mill. m.	108.3	115.1
1613	Hosiery	mill. pairs	408.6	417.5
1701	Bicycles	thous.	540.7	588.3
1705	Radios	thous.	200	277

SOURCE: Derived from Table B-2 and 567. In certain additional cases, output in acquired territories was assumed negligible. Output in acquired territories is generally understated since small-scale production is not fully accounted for.