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

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## APPENDIX B

### Output Series

#### *General Note*

Appendix B contains Russian and Soviet output series from 1860 through 1959. Output figures for 1913 refer in Table B-1 to Tsarist territory excluding Finland, but in Table B-2 to interwar Soviet territory. The output of individual products in 1937 on interwar and postwar Soviet territory is given in Table B-3. Additional statistical information and notes may be found in *Statistical Abstract of Industrial Output in the Soviet Union, 1913-1955*, Parts 1-5 and Supplement, NBER, New York, 1956 and 1957.

A dash (—) means that there was no production or that it was negligibly small. A blank space means that no definite information was found. Estimates and adjustments of other types are indicated by square brackets. A single asterisk (\*) indicates that the figure refers to the calendar year in which the fiscal year given in the stub ended. A double asterisk (\*\*) indicates that the figure refers to the fiscal year ending in the calendar year given in the stub. A dagger (†) indicates that the figure is from a source published after our analysis was completed and hence is not used in our study.

#### ABBREVIATIONS

bill.	= billion	kwh	= kilowatt hour
conven.	= conventional	m	= meter
dcm.	= decimeter	m <sup>2</sup>	= square meter
dcm <sup>2</sup>	= square decimeter	m <sup>3</sup>	= cubic meter
hectol.	= hectoliter	m.t.	= metric ton
hp	= horsepower	mill.	= million
kg	= kilogram	sq.	= square
kva	= kilovolt ampere	th. or thous.	= thousand
kw	= kilowatt		

#### *List of Output Series*

##### I INTERMEDIATE INDUSTRIAL PRODUCTS

###### A. Ferrous Metals

101	Pig iron	<i>chugun</i>
102	Rolled steel	<i>prokat</i>
103	Steel ingots and castings	<i>stal', stal'nye slitki</i>

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B. Nonferrous Metals

201	Primary aluminum	<i>aliuminii pervichnyi</i>
202	Copper	<i>med', chernovaia med'</i>
203	Lead	<i>svinets</i>
204	Zinc	<i>tsink</i>

C. Fuel and Energy

301	Electric power	<i>elektro-energiia</i>
301.1	Hydroelectric power	<i>gidroelektricheskaiia energiia</i>
302	Anthracite	<i>antratsit</i>
303	Bituminous coal	<i>kamennyi ugol'</i>
303.1	Coke	<i>koks</i>
304	Lignite	<i>buryi ugol'</i>
305	Crude petroleum	<i>neft'</i>
306	Natural gas	<i>gaz prirodnyi</i>
307	Oil shale	<i>goriuchie slantsy</i>
308	Peat	<i>torf</i>
309	Firewood (consumption)	<i>drova (potreblenie)</i>
310	Coal (total)	<i>ugol'</i>

D. Chemicals

401	Soda ash	<i>kal'tsinirovannaia soda</i>
402	Caustic soda	<i>kausticheskaiia soda</i>
404	Sulfuric acid	<i>sernaia kislota</i>
404.1	Sulfuric acid (not used in phosphoric fertilizer)	
405	Mineral fertilizer	<i>mineral'nye udobreniia</i>
405.1	Phosphoric fertilizer (18.7% $P_2O_6$ )	<i>fosfornye udobreniia, superfosfat</i>
405.2	Ammonium sulfate	<i>sul'fat ammoniia, sernokislyi ammonii, azotnye udobreniia (v perechete na sul'fat ammoniia)</i>
405.3	Potash fertilizer (41.6% $K_2O$ )	<i>kaliinye udobreniia</i>
406	Ground natural phosphate	<i>fosforitnaia muka</i>
410	Red lead	<i>surik, svintsovyi surik</i>
411	Zinc oxide	<i>tsinkovye belila, okis' tsinka</i>
412	Synthetic dyes	<i>sinteticheskie krasiteli, iskusstvennye krasitel'nye veshchestva</i>
416	Paper	<i>bumaga</i>

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417	Paperboard	<i>karton</i>
418	Motor vehicle tires	<i>avtopokryshki</i>
419	Rayon and other synthetic fibers	<i>iskusstvennoe volokno</i>
420	White lead	<i>svintsovye belila</i>

E. Construction Materials

501	Red bricks	<i>kirpich, stroitel'nyi kirpich</i>
502	Fire-clay bricks	<i>shamot, shamotnyi kirpich</i>
503	Magnesite bricks	<i>magnezitovyi kirpich, magnezit</i>
504	Quartzite bricks	<i>dinas, kvartsitovyi kirpich</i>
505	Sand-lime, silica, and slag bricks	<i>kirpich silikatnyi i shlakovyi</i>
506	Cement	<i>tsement</i>
507	Construction gypsum	<i>stroitel'nyi gips, alebastr</i>
508	Construction lime	<i>stroitel'naia izvest'</i>
509	Industrial timber hauled	<i>vyvozka delovoi drevesiny</i>
510	Lumber	<i>pilomaterialy</i>
511	Plywood	<i>fanera</i>
512	Magnesite metallurgical powder	<i>metallurgicheskii poroshok</i>
513	Roll roofing	<i>miagkaia krovlia</i>
514	Roofing iron	<i>krovel'noe zhelezo</i>
515	Roofing tiles	<i>cherepitsa</i>
516	Asbestos shingles	<i>shifer, shifer krovel'nyi</i>
518	Rails	<i>rel'sy</i>
519	Window glass	<i>steklo okonnoe</i>

F. Materials of Agricultural Origin

601	Crude alcohol (100%)	<i>spirt-syrets</i>
602	Ginned cotton	<i>khlopok-voлокно</i>
602.1	Ginned cotton consumption	<i>potreblenie khlopka-voлокна</i>
603	Raw cotton	<i>khlopok-syrets</i>
604	Hard leather	<i>zhestkaia kozha</i>
605	Soft leather	<i>miagkaia kozha</i>
606	Raw silk	<i>shelk-syrets</i>
607	Unwashed wool	<i>surovaia sherst'</i>

G. Metallic Minerals

704	Iron ore	<i>zheleznaia ruda</i>
706	Manganese ore	<i>margantsevaia ruda</i>

## II PRODUCER DURABLES

## A. Transportation Equipment

901	Automobiles	<i>legkovye avtomobili</i>
902	Trucks and buses	<i>gruzovye avtomobili i avtobusy</i>
903	Diesel and electric locomotives	<i>teplovozy i elektrovozy</i>
904	Steam locomotives, main-line (units)	<i>parovozy magistral'nye, shiroko- koleinye</i>
904.1	Steam locomotives, main-line (conven. units)	<i>parovozy magistral'nye, shiroko- koleinye</i>
905	Railroad freight cars	<i>vagony tovarnye</i>
906	Railroad passenger cars	<i>vagony passazhirskie</i>
907	Railroad cars, narrow-gauge and factory use	<i>vagony uzkokoleinye</i>
908	Street and subway cars	<i>tramvainye vagony i metro-vagony</i>

## B. Agricultural Machinery

1001	Tractors (excl. garden)—units	<i>traktory (bez sadovo-ogorodnykh)</i>
1001.1	Tractors (excl. garden)—capacity	<i>traktory (bez sadovo-ogorodnykh)</i>
1002	Tractor-drawn plows (not paring plows)	<i>plugi traktornye (bez lushchil'- nikov)</i>
1003	Tractor-drawn paring plows	<i>lushchil'niki traktornye</i>
1004	Horse-drawn plows	<i>plugi konnye</i>
1005	Tractor-drawn harrows	<i>borony traktornye</i>
1006	Horse-drawn harrows	<i>borony konnye</i>
1007	Tractor-drawn cultivators	<i>kul'tivatory traktornye</i>
1008	Horse-drawn cultivators	<i>kul'tivatory konnye</i>
1009	Tractor-drawn drills	<i>seialki traktornye</i>
1010	Horse-drawn drills	<i>seialki konnye</i>
1011	Combined plows and drills	<i>bukkera</i>
1013	Tractor-drawn potato planters	<i>traktornye kartofelesazhalki</i>
1014	Machines for planting seedlings	<i>rassadoposadochnye mashiny</i>
1016	Grain combines	<i>kombainy zernouye</i>
1017	All other combines	<i>prochie kombainy</i>
1018	Windrowers	<i>vindrouery, zhatki riadkovye dlia razdel'noe uborki</i>
1019	Horse-drawn reapers	<i>zhatki konnye</i>
1020	Cotton pickers	<i>khlopkouborochnye mashiny</i>
1021	Tractor-drawn haymowers	<i>senokosilki traktornye, kosilki trak- tornye</i>

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1022	Horse-drawn haymowers	<i>senokosilki konnye</i>
1023	Tractor-drawn rakers	<i>grabli traktornye</i>
1024	Horse-drawn rakers	<i>grabli konnye</i>
1025	Tractor-driven threshers	<i>molotilki traktornye</i>
1026	Horse-driven threshers	<i>molotilki konnye</i>
1027	Grain-cleaning machines	<i>zernoochistitel'nye mashiny</i>
1028	Horse-drawn winnowers	<i>veialki konnye</i>
1029	Horse drivings	<i>privody konnye</i>
1030	Chaff and silo cutters	<i>solomorezki i silosorezki</i>

C. Prime Movers and Electrical Machinery

1101	Steam boilers	<i>parovye kotly</i>
1102	Water turbines	<i>vodianye turbiny</i>
1103	Steam and gas turbines	<i>parovye i gazovye turbiny</i>
1104	Locomotives	<i>lokomobili</i>
1105	Diesel engines	<i>dizeli</i>
1106	Other internal combustion engines	<i>prochie dvigateli vnutrennego sgoraniia, prochie nefnianye dvigateli</i>
1107	Turbogenerators	<i>turbogeneratory</i>
1108	Hydroelectric generators	<i>gidrogeneratory</i>
1109	Electric motors, A.C.	<i>elektromotory peremennogo toka</i>
1110	Power transformers	<i>silovye transformatory</i>

D. Mining and Industrial Machinery

1201	Coal-mining combines	<i>ugol'nye kombainy</i>
1202	Coal-cutting machines	<i>vrubovye mashiny</i>
1203	Electric mining locomotives	<i>elektrovozy rudnichnye</i>
1204	Ore-loading machines	<i>porodopogruzochnye mashiny</i>
1205	Deep-shaft pumps	<i>nasosy glubinnye</i>
1206	Turbodrills	<i>turbobury</i>
1210	Machine tools	<i>stanki metallorezhushchie</i>
1210.1	Bench and engine lathes	<i>tokarnye stanki</i>
1211	Electric furnaces	<i>elektropechi</i>
1212	Spinning machines	<i>priadil'nye mashiny, vatera</i>
1213	Winding machines	<i>motal'nye mashiny</i>
1214	Looms	<i>tkatskie stanki</i>
1215	Cotton-carding machines	<i>grebnechasal'nye mashiny, chesal'- nye mashiny dlia khlopka</i>

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1216	Knitting machines	<i>viazal'nye mashiny</i>
1217	Leather-spreading machines	<i>zatiazhnye mashiny, kozhevnyye</i>
1218	Leather-dressing machines	<i>mezdril'nye mashiny, kozhevnyye</i>
1219	Typesetting machines, linotype	<i>nabornye mashiny, linotipy</i>
1220	Flat-bed printing presses	<i>ploskopechatnye mashiny</i>
1221	Industrial sewing machines	<i>promyshlennye shveinye mashiny</i>
1222	Metal-pressing machine tools	<i>kuznechno-pressovye mashiny</i>
1222.1	Presses	<i>pressy</i>

### E. Construction and Road Building Machinery

1301	Excavators	<i>ekskavatory</i>
1302	Trench excavators	<i>kanavokopateli</i>
1303	Stone crushers	<i>kammedrobilki</i>
1304	Road graders (not self-propelled)	<i>greidery</i>
1305	Self-propelled road graders	<i>avtogreidery</i>
1306	Concrete mixers	<i>betonomeshalki</i>
1307	Tractor-driven scrapers	<i>skrepery traktornye</i>
1308	Bulldozers	<i>bul'dozery</i>
1309	Railroad cranes, steam-operated	<i>zheleznodorozhnye parovye krany</i>
1310	Self-propelled cranes (not RR cranes)	<i>avtomobil'nye krany</i>
1311	Overhead traveling cranes	<i>mostovye krany</i>
1312	Tower cranes	<i>bashennye krany</i>
1313	Electric elevators	<i>elektricheskie elevatory, lifty, pod'emniki</i>

### F. Other Producer Durables

1401	Telephones	<i>telefonnye apparaty</i>
1402	Hand-operated switchboards	<i>ruchnye telefonnye stantsii, ruchnye kommutatory</i>
1403	Automatic exchange switchboards	<i>avtomaticheskie telefonnye stantsii</i>
1405	Calculating machines	<i>schetnye mashiny, arifmometry</i>
1406	Typewriters	<i>pishushchie mashiny</i>

## III CONSUMER GOODS

### A. Food and Allied Products

1501	Flour	<i>muka</i>
1502	Macaroni	<i>makaronnye izdeliia</i>
1503	Butter	<i>maslo zhiivotnoe</i>

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1504	Vegetable oil	<i>maslo rastitel'noe</i>
1504.1	Oleomargarine	<i>margarin</i>
1504.2	Vegetable oil minus oleomargarine	
1505	Cheese	<i>syr</i>
1506	Meat slaughtering	<i>miaso</i>
1506.1	Sausages	<i>kolbasnye izdeliia</i>
1507	Fish catch	<i>ulov ryby</i>
1508	Soap (40% fatty acid)	<i>mylo</i>
1509	Salt	<i>sol'</i>
1510	Raw sugar consumption	<i>sakhar-pesok, potreblenie</i>
1510.1	Refined sugar	<i>sakhar-rafinad</i>
1510.2	Raw sugar minus refined sugar and sugar in candy	
1511	Starch and syrup	<i>krakhmal i patoka</i>
1512	Yeast	<i>drozhzhi</i>
1513	Canned food	<i>konservy</i>
1513.1	Canned meat	<i>miasnye konservy</i>
1513.2	Canned fish	<i>rybnye konservy</i>
1513.3	Canned milk	<i>molochnye konservy</i>
1513.4	Canned vegetables and fruit	<i>ovoshchnye i fruktovye konservy</i>
1514	Beer	<i>pivo</i>
1515	Cigarettes	<i>papirosy</i>
1516	Low-grade tobacco	<i>makhorka</i>
1517	Matches	<i>spichki</i>
1518	Vodka (40% alcohol)	<i>vodka</i>
1519	Candy	<i>konfety</i>
B. Textiles and Allied Products		
1601	Boots and shoes	<i>obuv' kozhanaia</i>
1602	Rubber footwear	<i>rezinovaia obuv'</i>
1603	Cotton yarn	<i>khlopchatobumazhnaia priazha</i>
1604	Cotton fabrics	<i>khlopchatobumazhnye tkani</i>
1605	Cotton thread	<i>khlopchatobumazhnye nitki</i>
1606	Linen yarn	<i>l'nianaia priazha</i>
1607	Linen fabrics	<i>l'niane tkani</i>
1609	Silk and rayon fabrics	<i>tkani shelkovye i iz iskusstvennogo shelka</i>
1609.1	Pure silk fabrics	<i>tkani iz chistogo shelka</i>
1609.2	Rayon and mixed fabrics	<i>tkani iz iskusstvennogo shelka</i>
1610	Woolen yarn	<i>sherstianaia priazha</i>



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1611	Woolen and worsted fabrics	<i>sherstiane i polusherstiane tkani</i>
1612	Knitted goods	<i>trikotazhnye izdeliia</i>
1613	Hosiery	<i>chulochno-nosochnye izdeliia</i>
1614	Felt footwear	<i>valianaia obuv'</i>

C. Consumer Durables

1701	Bicycles	<i>velosipedy</i>
1702	Cameras	<i>fotograficheskie apparaty</i>
1703	Electric light bulbs	<i>elektricheskie lampy</i>
1704	Phonographs	<i>patefony, grammony</i>
1705	Radios	<i>radiopriemniki</i>
1706	Television sets	<i>televizory</i>
1707	Household sewing machines	<i>shveinye mashiny bytovye</i>
1708	Clocks and watches	<i>chasy vsekh vidov</i>
1709	Motorcycles	<i>mototsikly</i>

TABLE B-1  
OUTPUT SERIES: RUSSIA, 1860-1913

	103 Steel (th.m.t.)	202 Copper (th.m.t.)	203 Lead (th.m.t.)	204 Zinc (th.m.t.)	305 Crude Petroleum (mill.m.t.)
1860	1.6	5.20	1.09	1.84	—
1861	1.9	4.93	0.81	2.54	—
1862	2.0	4.75	0.88	2.58	—
1863	2.0	4.82	1.17	2.47	0.01
1864	3.5	4.51	1.35	2.94	0.01
1865	3.9	4.15	1.63	3.09	0.01
1866	4.3	4.42	1.71	3.14	0.01
1867	6.3	4.24	1.74	2.95	0.02
1868	9.6	4.39	1.64	3.25	0.03
1869	7.6	4.26	1.07	3.63	0.04
1870	8.8	5.05	1.65	3.78	0.03
1871	7.2	4.52	1.77	2.73	0.03
1872	9.2	3.72	1.22	3.03	0.03
1873	8.9	3.66	0.94	3.38	0.07
1874	8.6	3.27	1.34	4.13	0.09
1875	12.9	3.65	1.08	3.99	0.13
1876	17.9	3.87	1.17	4.62	0.19
1877	44.3	3.50	1.20	4.73	0.25
1878	64.2	3.52	1.40	4.65	0.33
1879	210.0	3.12	1.36	4.32	0.40
1880	307.3	3.20	1.15	4.39	0.35
1881	293.3	3.46	0.99	4.55	0.66
1882	247.7	3.59	0.57	4.47	0.83
1883	221.9	4.36	0.54	3.67	0.99
1884	207.0	6.22	0.63	4.32	1.48
1885	192.9	4.72	0.71	4.59	1.91
1886	241.8	4.57	0.78	4.20	1.90
1887	225.5	4.99	0.99	3.62	2.36
1888	222.3	4.60	0.80	3.87	3.01
1889	258.7	4.80	0.58	3.69	3.28
1890	378.4	5.73	0.84	3.77	3.78
1891	433.5	5.46	0.56	3.68	4.53
1892	515.0	5.32	0.88	4.37	4.69
1893	630.8	5.46	0.84	4.50	5.53
1894	703.0	5.41	0.74	5.01	4.92
1895	879	5.85	0.41	5.03	6.75
1896	1,022	5.83	0.26	6.26	6.79
1897	1,225	6.94	0.45	5.88	7.27
1898	1,619	7.29	0.24	5.66	8.33
1899	1,897	7.53	0.32	6.33	8.96
1900	2,216	8.26	0.22	5.96	10.38
1901	2,228	8.47	0.16	6.10	11.56
1902	2,184	8.82	0.23	8.27	11.08
1903	2,434	9.23	0.11	9.89	10.41
1904	2,766	9.84	0.09	10.61	10.89
1905	2,266	8.51	0.78	7.91	7.56
1906	2,496	9.35	1.01	10.09	8.17
1907	2,671	13.29	0.50	10.12	8.66
1908	2,698	16.23	0.52	9.96	8.74
1909	2,940	18.44	1.06	9.61	9.30
1910	3,314	22.69	1.31	10.84	9.63
1911	3,949	26.44	1.24	12.21	9.18
1912	4,503	32.66	1.62	20.32	9.29
1913	4,918	33.10	1.53	19.36	9.23

(continued)

TABLE B-1 (continued)

	310 Coal (mill.m.t.)	401 Soda Ash (th.m.t.)	404 Sulfuric Acid (th.m.t.)	405.1 Phosphoric Fertilizer (th.m.t.)	411 Zinc Oxide (th.m.t.)
1860	0.30	[—]	5.1	[—]	[—]
1861	0.38	[—]			
1862	0.35	[—]			
1863	0.36	[—]			
1864	0.40	[—]			
1865	0.38	0.35	6.5	[—]	[—]
1866	0.45				
1867	0.44				
1868	0.45				
1869	0.60	1.28			
1870	0.69	1.32	7.9	[—]	[—]
1871	0.83	0.77			
1872	1.09				
1873	1.17				
1874	1.29				
1875	1.70	[0.63]	[15.5]	[—]	[—]
1876	1.82				
1877	1.79	0.56			
1878	2.52	0.54			
1879	2.92	0.40			
1880	3.29	0.89	23.0	[—]	
1881	3.49	0.67			
1882	3.78	0.81			
1883	3.98	1.00			
1884	3.93				
1885	4.27	5.00	36.72	[—]	
1886	4.58				
1887	4.53	11.1			
1888	5.19	18.0	43.54	0.86	1.01
1889	6.21	18.6			
1890	6.01	20.1	[40.0]	1.36	[0.90]
1891	6.23	19.6			0.84
1892	6.95	27.7	36.5	1.07	0.23
1893	7.61	46.1	44.3	6.94	0.25
1894	8.76	45.9			
1895	9.10	47.8	[52.0]	[18.7]	
1896	9.38	58.6			
1897	11.20	61.1	59.8		0.29
1898	12.31				
1899	13.97	69.8			
1900	16.16	86.2	105.7	48.1	
1901	16.53				
1902	16.47				
1903	17.86				
1904	19.61				
1905	18.67	86.9	[177.7]	[80.5]	
1906	21.73				
1907	26.00				
1908	25.91	109.1			
1909	26.82				
1910	25.43	132.2	249.7	112.9	2.85
1911	28.42	148.2	275.3	123.3	3.74
1912	31.13	164.2	283.7	150.1	3.78
1913	36.05	160.0	[292.2]	115.0	

(continued)

TABLE B-1 (continued)

	420 White Lead (th.m.t.)	501 Red Bricks (large-scale) (millions)	506 Cement (th.m.t.)	518 Rails (th.m.t.)	519 Window Glass (mill.m <sup>2</sup> )
1860	[—]				
1861					
1862					
1863					
1864					
1865	[—]				
1866					
1867					
1868					
1869					
1870	[—]				
1871					
1872					
1873					
1874					
1875	[—]				
1876					
1877					
1878				55.3	
1879				147.1	
1880				201.4	
1881				206.6	
1882				153.3	
1883				128.7	
1884				98.3	
1885				95.5	
1886				87.0	
1887				114.0	
1888	3.10			63.0	
1889				88.4	
1890	[3.05]	833		166.1	
1891		764		172.0	
1892	3.01	744		193.2	
1893	3.58	760	137	230.8	
1894				250.0	
1895	[5.77]	[1,617]		302.2	
1896				366.6	
1897	7.95	2,474		398.8	
1898				468.4	
1899				464.0	
1900	8.32	1,768	803	496.1	14.3
1901				481.5	
1902				419.5	
1903				337.9	
1904				420.1	
1905	[10.07]	[1,531]	[865]	383.1	[15.8]
1906				299.5	
1907				330.9	
1908	11.15	1,388	902	361.2	16.8
1909				500.0	
1910	12.15	1,763	1,210	505.2	23.8
1911	11.25	2,114	1,484	507.9	25.3
1912	11.08	2,341	1,757	623.9	27.2
1913	18.00	[3,090]	2,131	640.9	

(continued)

TABLE B-1 (continued)

	601 Crude Alcohol (100%) (th.hectol.)	602.1 Ginned Cotton Consumption (th.m.t.)	1501 Flour (large-scale) (mill.m.t.)	1504 Vegetable Oil (large-scale) (th.m.t.)	1509 Salt (th.m.t.)
1860	[3,507]**	46.5			429.7
1861	[3,507]**	43.3			431.8
1862	[3,507]**	13.9			749.2
1863	3,507**	17.7			506.6
1864	3,848**	26.8			363.0
1865	3,143**	26.0			501.9
1866	2,861**	48.3			646.6
1867	3,859**	54.0			724.5
1868	3,206**	41.9			602.8
1869	3,696**	52.5			651.6
1870	3,851**	45.9			475.3
1871	3,442**	68.2			456.7
1872	4,043**	59.0			650.5
1873	4,056**	57.8			755.5
1874	3,864**	76.4			725.5
1875	3,870**	85.4			585.4
1876	3,398**	77.1			683.7
1877	3,258**	72.6			474.3
1878	3,422**	117.6			781.7
1879	4,383**	105.6			817.9
1880	4,024**	94.1			779.3
1881	3,810**	148.6			831.1
1882	4,007**	127.0			1,667
1883	3,973**	146.6			1,138
1884	4,134**	120.8			1,024
1885	4,137**	124.0			1,133
1886	3,865**	137.4			1,197
1887	3,673**	184.4			1,157
1888	4,349**	136.9	2.43	60.3	1,113
1889	4,033**	170.8			1,394
1890	3,868**	136.4	2.47	44.6	1,390
1891	3,853**	151.6	2.37	47.1	1,351
1892	3,364**	163.7	2.33	54.6	1,459
1893	3,405**	186.7	2.66	63.3	1,351
1894	3,793**	190.3			1,354
1895	3,711**	201.4	[3.89]	[81.4]	1,540
1896	3,931**	224.2			1,347
1897	3,801**	224.5	5.12		1,562
1898	3,655**	233.3			1,505
1899	3,602**	264.2			1,681
1900	4,130**	262.2	3.71	126.7	1,968
1901	4,253**	264.1			1,706
1902	3,853**	285.5			1,847
1903	3,609**	294.8			1,659
1904	4,049**	298.8			1,908
1905	4,190**	273.3	[4.86]	[195.2]	1,844
1906	4,526**	296.1			1,790
1907	4,855**	319.3			1,872
1908	5,226**	346.5		236.5	1,847
1909	5,601**	348.5	5.55		2,243
1910	5,237**	361.8	4.86	226.6	2,051
1911	6,067**	350.5	5.35	252.1	2,011
1912	5,474**	420.9	5.39	262.3	1,858
1913	6,063**	424.2		325.0	1,981

(continued)

TABLE B-1 (concluded)

	1510 Raw Sugar Consumption (th.m.t.)	1511 Starch and Syrup (th.m.t.)	1514 Beer (th.hectol.)	1515 Cigarettes (billions)	1516 Low-Grade Tobacco (th. 20-kg. crates)	1610 Woolen Yarn (th.m.t.)
1860	57.3**			0.34		
1861	57.3**			0.36		
1862	47.5**			0.41		
1863	35.9**			0.50		
1864	53.0**			0.52		
1865	72.9**			0.51		
1866	55.2**			0.66		
1867	104.5**			0.71		
1868	122.7**			0.81		
1869	82.8**			1.07		
1870	105.4**			1.14		
1871	122.7**			1.40		
1872	89.6**			1.57		
1873	122.1**			1.64		
1874	128.3**			1.86		
1875	132.0**			2.02		
1876	155.7**			1.84		
1877	207.5**			2.50		
1878	173.7**			2.02		
1879	181.8**			2.24		
1880	205.5**			2.24		
1881	203.1**			2.19	964.9	
1882	261.1**			[2.43]	1,305	
1883	287.3**			[2.66]	2,188	
1884	308.9**			[2.90]	2,237	
1885	343.3**			3.13	2,112	
1886	475.7**			3.25	2,182	
1887	425.1**			3.34	2,184	
1888	389.0**	88		3.47	2,135	
1889	465.1**			3.69	2,111	
1890	403.1**	106		3.74	2,093	
1891	466.4**	110		3.82	2,125	
1892	485.7**	131		4.25	1,878	
1893	399.5**	133		4.58	2,095	17.9
1894	578.5**			4.98	2,062	
1895	528.6**	[110]		5.70	2,326	[28.5]
1896	679.5**		5,364	5.93	2,277	
1897	634.6**	87.4	5,657	6.09	2,257	
1898	654.4**		5,374	5.71	2,304	
1899	682.7**		5,913	7.70	2,340	
1900	794.1**	89.4	5,872	8.62	2,484	54.9
1901	806.6**		5,744	9.67	2,623	
1902	959.4**		5,706	10.76	2,372	
1903	1,053**		6,682	9.94	2,956	
1904	1,041**		6,674	11.82	3,089	
1905	854**	[100]	7,291	11.77	2,984	[64.9]
1906	872**		8,796	15.05	3,225	
1907	1,279**		9,300	14.36	3,098	
1908	1,257**	106.6	8,760	14.60	3,537	70.2
1909	1,129**		9,253	20.39	3,626	
1910	1,033**	130.6	10,198	16.73	3,698	73.8
1911	1,882**	131.4	10,990	19.84	3,699	75.4
1912	1,848**	130.7	10,666	22.53	4,262	82.0
1913	1,235**	125	11,612	25.89	4,390	110.2

APPENDIX B

SOURCES TO TABLE B-1

103 <i>Steel</i>	
1860-1877	92, 47.
1878-1885	70, xv.
1886-1910	196 (1892), 29; (1893-1894), lxxxix; (1904), xxvi; (1909), xxii; (1910), i.
1911-1913	155, 217. Given as combined output of iron and steel, but iron is assumed to be insignificant.
202 <i>Copper</i>	
1860-1880	263, I, issue 2, sec. iv, appendix, vii.
1881-1882	253 (1890), 150.
1883-1910	196 (1892), 12, i; (1893-1910), i.
1911-1913	197, 72 f.
203 <i>Lead</i>	
1860-1880	263, I, issue 2, sec. iv, appendix, vi.
1881-1882	91, 28.
1883-1890	253 (1890), 148; (1896), 200.
1891-1910	196 (1892), i; (1893-1910), i.
1911-1913	197, 94 f.
204 <i>Zinc</i>	
1860-1880	263, I, issue 2, sec. iv, appendix, xii.
1881-1882, 1891-1910	196 (1887), xix; (1892), i; (1893-1910), i.
1883-1890	253 (1890), 148; (1896), 200.
1911-1913	197, 96 f.
305 <i>Crude petroleum</i>	
1860-1913	180, 153. Rounded.
310 <i>Coal</i>	
1860-1875	253 (1890), 151.
1876-1910	196 (1887), xxi; (1892), 43; (1893-1910), i.
1911-1913	197, 156 f.
401 <i>Soda ash</i>	
1860-1865, 1869-1871, 1877-1883, 1885, 1887-1897, 1899-1900	122, II, 676. For 1865, 1871, 1877-1883, 1885, and 1888, approximate data.
1875	Interpolated between 1871 and 1877.
1905, 1908, 1910-1913	61, 205. Output of 3 main factories only (Donsoda, Berezniki, and Slaviansk).
404 <i>Sulfuric acid</i>	
1860, 1870, 1880, 1885, 1888, 1893, 1897, 1900	122, II, 564.
1865, 1875, 1890, 1895, 1905	Interpolated.
1892	258 (1892), sec. ii, 212.
1910-1912	48, issue v, 2.
1913	Same percentage increase in output assumed between 1912 and 1913 as between 1911 and 1912.
405.1 <i>Phosphoric fertilizer</i>	
1860, 1865, 1870, 1875, 1880, 1885	Assumed to be zero.
1888, 1890, 1892-1893	258 (1888), sec. iii, 22; (1890), sec. ii, 378; (1892), sec. ii, 214; (1893), sec. ii, 108.
1895	Interpolated between 1893 and 1900.
1900	27, I, table 22, 192 f.
1910-1912	48, issue v, 32.
1913	16, 27.

OUTPUT SERIES

411 *Zinc oxide*

1860, 1865, 1870, 1875  
1888, 1891-1893, 1897

Assumed to be zero.  
258 (1888), sec. iii, 23; (1891), sec. ii, 193;  
(1892), sec. ii, 215; (1893), sec. ii, 109;  
(1897), sec. iii, 179.

1890  
1910-1912

Interpolated between 1888 and 1891.  
48, issue v, 10.

420 *White lead*

1860, 1865, 1870, 1875  
1888, 1892-1893, 1897

Assumed to be zero.  
258 (1888), sec. iii, 23; (1892), sec. ii, 215;  
(1893), sec. ii, 109; (1897), sec. iii, 179.

1890 1895, 1905  
1900, 1908  
1910-1912  
1913

Interpolated.  
27, I, table 22, 188 f; II, table 19, 186 f.  
48, issue v, 10.  
193, 241.

501 *Red bricks*

1890-1893, 1897

258 (1890), sec. ii, 270; (1891), sec. ii, 206;  
(1892), sec. ii, 229; (1893), sec. ii, 124;  
(1897), sec. ii, 112.

1895, 1905  
1900, 1908  
1910-1912  
1913

Interpolated.  
27, I, table 10, 120 f; II, table 10, 122 f.  
48, issue iv, 16.  
Taken as 144% of output in interwar territory  
(2,144 mill., 104, 437), the ratio for 1912  
(27, II, table 5, 30 f).

506 *Cement*

1893  
1900, 1908  
1905  
1910-1912  
1913

258 (1893), sec. ii, 124.  
27, I, table 10, 120 f; II, table 10, 122 f.  
Interpolated between 1900 and 1908  
48, issue iv, 6.  
Taken as 141% of output in interwar territory  
(Table B-2), the ratio for 1912 (27, II, table 5,  
30 f).

518 *Rails*

1878-1882  
1883-1910  
1911-1912  
1913

196 (1887), xxxvii.  
64, annex, 18.  
90, 23.  
Sum of railroad rails (142, 303) and mining  
rails (total length of latter's production in  
Russian Empire is given as 109% of produc-  
tion in Soviet territory, which is 47.9 th. m.  
tons, 244, 231).

519 *Window glass*

1900, 1908  
1905  
1910-1912

27, I, table 10, 118 f; II, table 10, 118 f.  
Interpolated between 1900 and 1908.  
48, issue iv, 36 f.

601 *Crude alcohol (100%)*

1859/60-1861/62  
1862/63-1888/89

Assumed to be same as in 1862/63.  
45 (issue VIII), 386 f; (issue XVII), 580;  
(issue XXIII), 465. For 1862/63-1868/69,  
raised by 14%, Poland's share in production  
in these years (issue VIII, 386).  
252 (1900), 44; (1909), 24; (1914), 67.

1889/90-1912/13



APPENDIX B

602.1 *Ginned cotton consumption*

1860-1889 271, 307.  
1890-1913 95, 461, 455.

1501 *Flour*

1888, 1890-1893, 1897 258 (1888), sec. iii, 51 f; (1890), sec. iii, 404 f; (1891), sec. iii, 222 ff; (1892), sec. ii, 248 ff; (1893), sec. ii, 147 f; (1897), sec. ii, 30 ff.  
1895, 1905 Interpolated  
1900, 1908 27, I, table 26, 214 ff; II, table 21, 214 ff.  
1910-1912 48, issue i, 2 ff.

1504 *Vegetable oil*

1888, 1890-1893 258 (1888), sec. iii, 53 f; (1890), sec. iii, 406 ff; (1891), sec. ii, 224 ff; (1892), sec. ii, 250 ff; (1893), sec. ii, 149 ff.  
1895, 1905 Interpolated.  
1900, 1908 27, I, table 26, 218 f; II, table 21, 220 f.  
1910-1912 48, issue i, 24 ff.  
1913 Taken as 123% of output in interwar territory (264 th. m. tons, 301, 11 ff, 38), the ratio for 1912 (27, II, table 9, 5 f, 114).

1509 *Salt*

1860-1880 263, I, issue 2, sec. iv, appendix, xiii. Sum of rock, lake, and evaporated salt. For 1861, 1876, and 1878, this sum does not agree with given totals.  
1881-1908 196 (1892), 60; (1894-1909), i.  
1909-1910 155, 327.  
1911-1913 197, 132 f. Excludes salt in brine.

1510 *Raw sugar consumption*

1859/60-1861/62 30, 13. Raised by 12.9%, Poland's share in total production in 1867/68 (45, issue II, 487).  
1862/63-1903/04 45 (issue II), 487; (issue III), 352 f; (issue IV), 451 ff; (issue VI), 331 ff; (issue XVII), 701; (issue XXIII), 517; (1902), 681; (1906/07), 397.  
1904/05-1912/13 252 (1909), 130; (1914), 2.

1511 *Starch and syrup*

1888, 1890-1893, 1897 258 (1888), sec. iii, 55; (1890), sec. iii, 408 f; (1891), sec. ii, 227; (1892), sec. ii, 253; (1893), sec. ii, 152 f; (1897), sec. ii, 38 ff. Includes potato flour, except for 1897.  
1895, 1905 Interpolated.  
1900, 1908 27, I, table 26, 220 f; II, table 21, 224 f.  
1910-1912 48, issue i, 32 ff.  
1913 Taken as 108.6% of output in interwar territory (Table B-2), the ratio for 1912 (27, II, table 9, 116).

1514 *Beer*

1896-1913 252 (1900), 180; (1909), 117; (1914), 149.

OUTPUT SERIES

1515 <i>Cigarettes</i>	
1860-1880	263, II, issue 4, sec. v, 31. For 1860-1871, raised by 19%, Poland's share of total production in 1871 (263).
1881, 1885-1913	45 (issue XIII), 486 f; (issue XVII), 766 f; (issue XVIII), 778 f; (1900), 684 f; (1902), 693, sum of first- and second-grade cigarettes; (1906/07), 406, sum of first- and second-grade cigarettes; (1909), 615; (1910), 720 ff; (1914), 632 f.
1882-1884	Interpolated.
1516 <i>Low-grade tobacco</i>	
1881-1882	157, appendix, 29. Converted into crates.
1883-1889	45 (issue XXIII), 534. Converted into crates.
1890-1913	252 (1900), 434; (1900), 242; (1914), 32. Converted into crates.
1610 <i>Woolen yarn</i>	
1893	258 (1893), sec. ii, 86.
1895, 1905	Interpolated.
1900, 1908	27, I, table 39, 272 f; II, table 30, 260 f.
1910-1912	48, issue X, 2 ff.
1913	Taken to be 236.9% of output in interwar territory (Table B-2), the ratio for 1912 (27, II, table 12, 136 ff).

APPENDIX B

TABLE B-2  
OUTPUT SERIES: SOVIET UNION, 1913-1959

	101 Pig Iron (th.m.t.)	102 Rolled Steel (th.m.t.)	103 Steel Ingots and Castings (th.m.t.)	201 Primary Aluminum (th.m.t.)	202 Copper (th.m.t.)
1913	4,216	3,660	4,231		31.1
1914	4,137	3,791	4,466		
1915	3,764	3,394	4,120		
1916	3,804	3,509	4,276		
1917	2,964	2,542	3,080		
1918	596.9	359	402		
1919	116.5	180	199		
1920	115.8	148	194		
1921	117.3	178	220		
1921/22	179.9	260	318		1.08
1922/23	313.8	476	615		2.62
1923/24	669.6	693	993		5.09
1924/25	1,309	1,397	1,868		14.3
1925/26	2,203	2,261	2,911		20.4
1926/27	2,961	2,757	3,592		27.0
1927/28	3,282	3,433	4,251		30.0
1928/29	4,021	3,930	4,854		35.5
1929/30	4,964	4,561	5,761		44.5
1931	4,871	4,287	5,620		44.3
1932	6,161	4,428	5,927	0.86	45.0
1933	7,110	5,065	6,889	4.43	44.3
1934	10,430	7,034	9,693	14.4	53.3
1935	12,490	9,446	12,590	25.1	76.0
1936	14,400	12,450	16,400		100.8
1937	14,490	12,970	17,730	37.7	97.5
1938	14,650	13,260	18,060	43.8	103.2
1939	14,520	12,730	17,560	47.0	[142]
1940	14,900	13,110	18,320	59.9	160.9
1945	8,803	8,485	12,250	86.3	[135]
1946	9,862	9,578	13,350		[143]
1947	11,220	11,060	14,530		[156]
1948	13,740	14,220	18,640		[187]
1949	16,390	18,000	23,290		[224]
1950	19,170	20,890	27,330		[247]
1951	21,910	24,030	31,350		[282]
1952	25,070	26,810	34,490		[324]
1953	27,410	29,390	38,130		[321]
1954	29,970	32,070	41,430		[337]
1955	33,310	35,340	45,270		[377]
1956	35,800	37,800	48,700		
1957	37,000	40,200	51,200		
1958	39,600	42,900	54,900		
1959	43,000	47,000	59,900		

(continued)

OUTPUT SERIES

TABLE B-2 (continued)

	203 Lead (th.m.t.)	204 Zinc (th.m.t.)	301 Electric Power (bill.kwh)	301.1 Hydroelectric Power (bill.kwh)	302 Anthracite (mill.m.t.)
1913	1.52	2.95	1.94	0.03	4.78
1914	1.08	2.41			5.12
1915	0.85	2.04			5.08
1916	1.46	2.02	2.58	0.04	6.24
1917	0.11				5.92
1918	0.09				2.09
1919	0.19				1.49
1920	0.35	0.05	0.50		1.37
1921	0.39	0.20	0.52	0.01	1.50
1921/22	0.34	[0.19]	0.78*	0.01	2.22
1922/23	0.31	0.19	1.15*	0.02	2.33
1923/24	0.69	0.52	1.56*	0.03	3.52
1924/25	1.02	1.49	2.93*	0.04	3.34
1925/26	1.34	1.89	3.51*	0.05	5.36
1926/27	1.52	2.27	4.20*	0.26	6.92
1927/28	2.34	2.25	5.01*	0.43	8.00
1928/29	5.49	3.01	6.22*	0.46	9.67
1929/30	8.63	4.33	8.37*	0.55	12.14
1931	15.5	8.95	10.69	0.59	16.01
1932	18.7	13.7	13.54	0.81	18.14
1933	13.7	16.6	16.36	1.25	20.73
1934	27.2	27.2	21.01	2.38	22.25
1935	36.4	46.5	26.29	3.68	24.81
1936	48.7	63.3	32.84	4.01	28.15
1937	62.3	76.5	36.17	4.18	28.01
1938	77.8	83.1	39.37	5.08	31.06
1939	85.1	[91]	43.20	4.71	33.88
1940	[89.4]	[95]	48.31	5.11	36.40
1945	[60]	[50]	43.26	4.84	17.61
1946	[71]	[54]	48.57	6.05	22.48
1947	[90]	[63]	56.49	7.28	27.00
1948	[92]	[85]	66.34	9.37	32.06
1949	[116]	[106]	78.26	11.51	38.44
1950	[144]	[123]	91.23	12.69	41.77
1951	[179]	[142]	104.0	13.72	44.70
1952	[210]	[176]	119.1	14.91	46.74
1953	[256]	[199]	134.3	19.20	49.20
1954	[289]	[213]	150.7	18.56	52.91
1955	[331]	[246]	170.2	23.17	60.76
1956			191.7	29.0	67.2
1957			209.7	39.4	72.5
1958			233.4	46.5	78.1
1959			264		[81.0]

(continued)

APPENDIX B

TABLE B-2 (continued)

	303 Bituminous Coal (mill.m.t.)	303.1 Coke (mill.m.t.)	304 Lignite (mill.m.t.)	305 Crude Petroleum (mill.m.t.)	306 Natural Gas (mill.m <sup>3</sup> )
1913	23.21	4.4	1.13	9.23	29
1914	25.63	4.6	1.15	9.18	
1915	24.96	4.2	1.40	9.44	
1916	26.24	4.4	1.99	9.97	
1917	23.04	6.4	2.35	8.80	
1918	9.46		1.55	4.15	
1919	6.25		1.71	4.45	
1920	5.36		2.02	3.85	
1921	6.00		2.02	3.78	
1921/22	7.10	0.2*	2.01	4.66	[22]
1922/23	8.19	0.3	2.18	5.28	25
1923/24	11.07	0.6	1.74	6.06	28
1924/25	11.56	1.4	1.62	7.06	140
1925/26	17.99	2.8	2.42	8.32	228
1926/27	22.54	3.4	2.82	10.29	271
1927/28	24.45	4.2	3.06	11.63	304
1928/29	26.92	5.0	3.48	13.68	331
1929/30	31.15	6.2*	4.49	18.45	520
1931	34.73	6.8	6.01	22.39	847
1932	39.33	8.4	6.89	21.41	1,049
1933	46.74	10.2	8.87	21.49	1,066
1934	60.53	14.2	11.38	24.22	1,533
1935	70.53	16.7	14.30	25.22	1,791
1936	81.11	19.9	17.57	27.43	2,053
1937	81.87	20.0	18.09	28.50	2,179
1938	83.67	19.6	18.54	30.19	2,200
1939	91.08	20.2	21.25	30.26	[2,200]
1940	103.6	21.1	25.95	31.12	3,219
1945	81.82	13.6	49.91	19.44	3,278
1946	91.82	15.4	49.77	21.75	3,750
1947	105.3	17.5	51.00	26.02	4,590
1948	117.9	20.9	58.23	29.25	5,070
1949	130.7	24.3	66.41	33.44	5,240
1950	143.5	27.7	75.86	37.88	5,761
1951	157.8	30.7	79.46	42.25	6,222
1952	168.3	33.7	85.87	47.31	6,346
1953	175.1	36.9	96.11	52.78	6,866
1954	190.8	40.3	103.4	59.28	7,484
1955	215.9	43.6	114.6	70.79	8,981
1956	236.8	46.6	125.2	83.80	12,070
1957	256.0	48.6	135.0	98.3	18,580
1958	274.9	50.9	142.8	113.2	29,080
1959	[278.6]	53.4	[146.9]	129.5	

(continued)

OUTPUT SERIES

TABLE B-2 (continued)

	307 Oil Shale (th.m.t.)	308 Peat (mill.m.t.)	309 Firewood (consump.) (mill.m.t.)	401 Soda Ash (th.m.t.)	402 Caustic Soda (th.m.t.)
1913	[—]	1.69	100	160	55.1
1914		1.90		156.8	
1915		1.68		127.0	
1916		1.62		136.0	50.2
1917		1.36		102.0	40.7
1918		1.09		18.9	7.9
1919	4.5	1.23		4.0	1.7
1920	29.8	1.39		7.8	
1921	19.0	2.02		9.9	3.2
1921/22	17.3	2.16*	[90]	30.7*	15.0
1922/23	29.8	2.43*		54.8*	20.1
1923/24	11.7	2.86*	86	78.1*	26.2
1924/25	1.1	2.72*		98.1*	35.7
1925/26	1.9	3.55*		120.6*	43.6
1926/27	9.4	4.91*	[95]	164.6*	51.4
1927/28	0.6	5.32*	79	217.3	58.6
1928/29	9.4	6.91*	[71]	238.7	65.4
1929/30	27.2*	8.08*	[98]	263.1	71.5
1931	150	12.36	[102]	275.8	78.0
1932	318	14.79	108	287.8	80.8
1933	174	13.85	107	329.7	101.4
1934	206	18.25	[111]	398.0	104.3
1935	417	18.5	[116]	422.1	125.9
1936	468	22.5	128	503.4	128.2
1937	515	24.0	[119]	528.2	163.7
1938	562	26.5	[125]	542.7	176.6
1939		29.9	[136]	564.7	177.5
1940	1,683	33.2	[161]	536.1	190.4
1945	1,387	22.4	[133]	235.3	128.2
1946		27.3	[135]	257.0	139.7
1947		30.6	[138]	338.6	178.2
1948		34.4	[140]	489.4	223.5
1949		36.0	[143]	643.2	283.3
1950	4,716	36.0	[139]	748.6	324.8
1951		39.8	[137]	823.7	351.9
1952		37.2	[137]	999.1	390.4
1953		38.6	[124]	1,194	448.1
1954		45.0	123	1,312	498.1
1955	10,793	50.8	122	1,437	563.4
1956	11,600	44.8	120	1,545	631.0
1957	12,400	54.9	123	1,618	[662.6]
1958	13,200	52.8	124		
1959	13,700				

(continued)

APPENDIX B

TABLE B-2 (continued)

	404 Sulfuric Acid (th.m.t.)	404.1 Sulfuric Acid (not used in phosph. fertil.) (th.m.t.)	405 Mineral Fertilizer (th.m.t.)	405.1 Phosphoric Fertilizer (18.7% P <sub>2</sub> O <sub>5</sub> ) (th.m.t.)	405.2 Ammonium Sulfate (th.m.t.)
1913	121	105	60.9	47.1	13.8
1914					
1915					
1916				[13.1]	
1917				[9.3]	
1918				[21.6]	
1919	17	13		[12.4]	
1920				[6.8]	
1921	11	10		[4.0]	
1921/22				[5.6]	
1922/23	45	42		[8.2]	
1923/24	89	82		[19.9]	
1924/25	100	87		[38.6]	
1925/26	145	124		[62.2]	
1926/27	176	151		[72.6]	
1927/28	211	173	122.7	111.5	11.2
1928/29	265	216	161.7	145.1	16.6
1929/30	396	293	322.3	302.9	19.4
1931	464	341	388.9	361.4	27.5
1932	552	389	536.2	478.7	55.6
1933	627	442	701.7	545.0	110.9
1934	782	547	1,114	691.9	226.0
1935	994	611	1,792	1,126	374.5
1936	1,197	770	2,216	1,257	552.8
1937	1,369	868	2,590	1,473	761.6
1938	1,544	1,001	2,782	1,596	828.1
1939	1,625	1,068	2,980	1,638	958.8
1940	1,587	1,127	2,856	1,352	971.7
1945	781	702	1,109	233.6	744.7
1946	725	534	1,659	560.9	894.1
1947	996	724	2,280	798.8	1,124
1948	1,479	999	3,230	1,411	1,353
1949	1,845	1,189	4,210	1,930	1,686
1950	2,125	1,326	5,009	2,351	1,908
1951	2,372	1,531	5,371	2,472	2,079
1952	2,662	1,759	5,795	2,655	2,236
1953	2,919	1,927	6,323	2,919	2,356
1954	3,292	2,153	7,293	3,350	2,649
1955	3,798	2,495	8,716	3,834	2,984
1956	4,323	2,847	9,860	[4,340]	[3,370]
1957	4,569	2,985	10,550	[4,660]	[3,620]
1958	4,804	3,124	11,210	[4,940]	[3,830]
1959	5,100	3,360	11,700	[5,130]	[3,990]

(continued)

OUTPUT SERIES

TABLE B-2 (continued)

	405.3 Potash Fertilizer (41.6% K <sub>2</sub> O) (th.m.t.)	406 Ground Natural Phosphate (th.m.t.)	410 Red Lead (th.m.t.)	411 Zinc Oxide (th.m.t.)	412 Synthetic Dyes (th.m.t.)
1913	—	7.9	2.4		4.29
1914					
1915					
1916					0.20
1917					0.17
1918					
1919					
1920					0.17
1921					
1921/22					0.56
1922/23		4.9			
1923/24		4.2			1.80
1924/25		6.1			
1925/26		6.5			8.29
1926/27		9.3	[4.0]	[5.6]	7.37
1927/28	—	12.7	[5.4]	[7.1]	10.25
1928/29	—	46.5	[10]	[11.0]	13.30
1929/30	—	181.3			16.79
1931	—	312.1			16.26
1932	1.9	384.6	4.0	6.75	13.54
1933	45.8	332.0	2.75	6.25	16.00
1934	196.0	284.3	4.74	8.06	24.02
1935	291.6	530.9	6.93	12.1	25.34
1936	406.6	623.0	[10]	[10.0]	30.30
1937	355.8	649.9	[15]	[23.6]	30.96
1938	357.9	631.5			35.30
1939	383.2	582.2			
1940	532.3	381.7	11.9	21.6	33.87
1945	130.7	10.1	9.9	13.0	15.14
1946	203.5	50.6			19.53
1947	357.1	75.6			28.12
1948	465.7	238.0			37.97
1949	594.1	375.3			42.52
1950	750.4	483.2	10.2	35.7	46.53
1951	820.4	553.6	9.5	34.6	53.46
1952	904.7	598.8	11.5	43.1	58.60
1953	1,048	645.1	14.8	50.8	59.47
1954	1,295	766.4	17.3	61.9	63.34
1955	1,898	924.0	19.2	65.1	73.67
1956	[2,150]	[1,050]	20.5	72.1	77.00
1957	[2,300]	[1,120]	21.0	81.4	
1958	[2,440]	[1,190]	21.5	91.3	
1959	[2,540]	[1,240]			

(continued)



APPENDIX B

TABLE B-2 (continued)

	416 Paper (th.m.t.)	417 Paperboard (th.m.t.)	418 Motor Vehicle Tires (thous.)	419 Rayon and Other Synthetic Fibers (th.m.t.)	501 Red Bricks (millions)
1913	197.0	20.0	19.2	0.15	[3,377]
1914			31.5		
1915			56.0		
1916	154.6†		120.5		
1917			120.4		
1918					
1919					
1920					
1921					
1921/22	31.7	2.5			
1922/23	61.0	10.4			
1923/24	107.8	18.5			
1924/25	211.0	23.5			
1925/26	254.0	33.0			
1926/27	268.0	44.5			
1927/28	284.5	47.1	85	0.2	2,656
1928/29	384.9	62.5	148		3,548
1929/30	495.3	77.0	368		4,413
1931	505.2	62.0	573		[4,254]
1932	471.2	73.0	553	2.8	4,367
1933	506.1	79.0	679		3,363
1934	565.8	91.5	1,547		4,383
1935	640.8	107.8	2,084		5,245
1936	763.5	133.2	2,209		7,191
1937	831.6	144.2	2,698	8.6	7,471
1938	832.8	149.2	3,595		6,732
1939	799.8	159.0	4,221		6,700
1940	812.4	150.8	3,007	11.1	6,723
1945	321.1	55.9	1,370	1.1	1,868
1946	516.7	97.7	1,988		2,971
1947	647.5	140.7	2,954		3,663
1948	778.6	180.5	4,072		5,392
1949	995.4	232.1	5,680		7,036
1950	1,193	291.8	7,401	24.2	8,792
1951	1,342	333.9	7,519	35.4†	11,010
1952	1,461	383.7	7,599	49.2†	12,560
1953	1,612	442.5	8,114	62.3†	14,050
1954	1,769	499.3	9,281	78.8	15,541
1955	1,863	543.0	10,190	110.5	17,340
1956	1,993	587.7	11,334	128.9	18,000
1957	2,126	656.6	12,784	148.7	20,600
1958	2,237	719.9	14,395	166.6	[23,300]
1959	2,300		15,500	179	[26,600]

(continued)

OUTPUT SERIES

TABLE B-2 (continued)

	502 Fire-Clay Bricks (th.m.t.)	503 Magnesite Bricks (th.m.t.)	504 Quartzite Bricks (th.m.t.)	505 Sand-Lime, Silica, and Slag Bricks (millions)	506 Cement (th.m.t.)
1913	572	8.0	—	[123]	1,520
1914					
1915					
1916					
1917					963.2
1918					183.5
1919					6.6
1920					36
1921					63.9
1921/22					141.6
1922/23		1.4			271
1923/24		5.5			392
1924/25		10.7			872
1925/26	350	12.1	87.2		1,403
1926/27	402	14.9	100.2		1,574
1927/28	465	20.3	96.5	134	1,850
1928/29	603	27.5	115.0	207	2,232
1929/30	637	35.6	156.5	337	3,006
1931	718			[426]	3,336
1932	793	41	178	533	3,478
1933	936	47.0	203	459	2,709
1934	1,345	62.0	334	589	3,536
1935	1,350	[82.0]	488	714	4,488
1936	1,671	[103.0]	620	1,154	5,872
1937	1,780	96	594	1,195	5,454
1938				854	5,688
1939				894	5,197
1940	1,731	104	546	732	5,675
1945	1,453	139	522	158	1,845
1946				268	3,373
1947				396	4,718
1948				713	6,455
1949				1,101	8,147
1950	2,631	233	734	1,387	10,190
1951	2,832	292	739	1,794	12,070
1952	3,104	361	795	2,298	13,910
1953	3,324	427	840	2,739	15,960
1954	3,564	503	831	3,223	18,990
1955	3,878	608	728	3,484	22,480
1956	4,024	748	655	3,521	24,900
1957	4,202	785	623	4,072	28,900
1958	4,334	848	620	[4,700]	33,300
1959				[5,400]	38,800

(continued)

APPENDIX B

TABLE B-2 (continued)

	507 Construction Gypsum (th.m.t.)	508 Construction Lime (th.m.t.)	509 Industrial Timber Hauled (mill.m <sup>3</sup> )	510 Lumber (mill.m <sup>3</sup> )	511 Plywood (thous.m <sup>3</sup> )
1913	[520]	[510]	75.0	[14]	130
1914					
1915					
1916					
1917					
1918					
1919					
1920					
1921					
1921/22					
1922/23					
1923/24					
1924/25					
1925/26	123				
1926/27	183			[13]*	[143]
1927/28	235	526	60.1	[14]*	[195]
1928/29	[342]	[698]	81.1	[17]*	[257]
1929/30			115.2	21.9*	
1931		[1,814]	104.1	23.8	
1932	475	[2,107]	99.4	24.4	423
1933	446	[1,394]	98.0	27.3	424.3
1934	688	[2,077]	99.7	30.6	497
1935	856	[2,280]	117.0	34.0	554
1936	1,195	[2,906]	128.1	39.8	636.6
1937	1,212	3,750	114.2	33.8	672.3
1938	1,087	3,285	114.7		
1939	1,132	3,247	126.1	34.4	
1940	892	3,006	117.9	34.8	732
1945	357	1,172	61.6	14.7	192
1946	596	1,824	80.3	16.2	242
1947	684	2,149	99.0	19.4	
1948	1,048	2,721	132.7	30.1	
1949	1,460	3,412	151.3		
1950	1,721	4,154	161.0	49.5	657
1951	1,958	4,660	184.5	56.0	767
1952	2,211	4,923	184.6	60.5	883
1953	2,390	5,314	179.9	66.4	946
1954	2,539	5,810	205.8	69.0	1,024
1955	2,870	6,205	212.1	75.6	1,049
1956	3,000	6,388	222.1	76.6	1,121
1957	3,504	7,248	237.9	81.6	1,156
1958			252	87	1,229
1959					

(continued)

OUTPUT SERIES

TABLE B-2 (continued)

	512 Magnesite Metallurgical Powder (th.m.t.)	513 Roll Roofing (mill.m <sup>2</sup> )	514 Roofing Iron (th.m.t.)	515 Roofing Tiles (millions)	516 Asbestos Shingles (millions)
1913	21.0	8.8	406.2	30.4	9
1914			391.3		
1915			297.8		
1916			167.4		2.5
1917			105.7		
1918			71.9		
1919			48.3		0.82
1920			18.0		0.49
1921			[26.4]		2.71
1921/22			34.8		2.17
1922/23	4.9		75.2		2.75
1923/24	8.1		111.6		3.92
1924/25	20.0		178.0		11.9
1925/26	27.7		283.5		16.6
1926/27	29.4	19.3	334.3		21.6
1927/28	34.8	19.2	369.3		38.5
1928/29	48.6	25.4	396.1		51.3
1929/30	69	39.8	315.3		65.9
1931		55.3	157.3		105.0
1932	72	66.0	98.4	59.0	111.8
1933	86	89.4	102.9	47.9	61.4
1934	101	95.4	124.8	60.3	100.2
1935	[123]	122.2	142.2	101.7	169.4
1936	[153]	152.2	178.8	137.9	209.7
1937	186	161.4	179.0	142.1	187.0
1938		148.6	151.5	159.1	170.3
1939		149.4		162.6	200.8
1940	208	127.1	[103.4]	173.3	205.6
1945	196	71.2	[—]	29.6	83.6
1946		125.8		63.1	169.5
1947		166.3		90.9	243.0
1948		199.7		135.6	329.0
1949		237.7		168.6	450.5
1950	313	285.5	[—]	222.5	546.4
1951	403	316.9		268.1	695.4
1952	450	360.0		319.1	878.4
1953	511	405.4		376.6	1,074
1954	572	445.9		428.8	1,262
1955	667	503.5	[—]	472.1	1,488
1956	757	536.0	[—]	498.4	1,809
1957	934	580.9	[—]	557.4	2,153
1958	913	647.5	[—]	662.5	2,393
1959		690	[—]		2,605

(continued)

APPENDIX B

TABLE B-2 (continued)

	518 Rails (th.m.t.)	519 Window Glass (mill.m <sup>2</sup> )	601 Crude Alcohol (100%) (th.hectol.)	602 Ginned Cotton (th.m.t.)	603 Raw Cotton (th.m.t.)
1913	636.4	23.7	4,670	223.0	740
1914	703.8				
1915	557.6				
1916	407.4				
1917	171.3	10.1			
1918	17.7	4.4			
1919	35.4	2.3			
1920		1.6			
1921		2.5			
1921/22		5.8*			20*
1922/23		10.8*			
1923/24		14.9*			346*
1924/25		16.3			544*
1925/26		22.9*			540*
1926/27		29.4*	[1,950]		718*
1927/28	390.4	34.2*	2,330	207.9	821*
1928/29	383.1	40.3	2,100†	237.9	864*
1929/30	461.8	43.1	2,790†	257.4	1,113*
1931	515.1	33.4	3,890†	337.7	1,290
1932	495.1	29.5	3,650	395.3	1,271
1933	593.9	29.8	3,883	378.5	1,315
1934	860.1	50.1	4,723	419.7	1,176
1935	952.9	69.8	6,074	437.2	1,712
1936	1,260	87.9	6,972	596.2	2,390
1937	[1,180]	79.3	7,670	716.7	2,582
1938	1,098	59.6	9,320†	893.0	2,690
1939		51.3	9,450†		2,790
1940	1,360	44.7	8,990	848.6	2,495
1945	[530]	23.3	2,650	312.2	1,290
1946		39.9	3,365		1,700
1947	650	47.8	3,670		2,100
1948	880	59.0	5,510		[2,500]
1949	1,580	71.5	6,890	821.0	[3,235]
1950	1,751	76.9	7,300	952.7	3,750
1951	1,300	67.7	8,100	1,265	3,937
1952		62.0	8,910	1,360	3,975
1953		76.0	10,520	1,320†	4,050
1954	2,300	86.4	11,360		4,425
1955	2,882	99.8	12,780	1,488	4,087
1956	2,408	112.2	12,880	1,348	
1957	2,247	120.9	15,720	1,430	
1958	2,419	132.9	16,340	1,460	
1959		140			

(continued)

OUTPUT SERIES

TABLE B-2 (continued)

	604 Hard Leather (th.m.t.)	605 Soft Leather (mill.dcm <sup>2</sup> )	606 Raw Silk (m.t.)	607 Unwashed Wool (th.m.t.)	704 Iron Ore (mill.m.t.)
1913	[23.0]	[1,150]	380	[178]	9.21
1914					7.66
1915					5.94
1916				178	7.25
1917					5.33
1918					0.59
1919					0.09
1920					0.17
1921					0.14
1921/22			2.4	132	0.19
1922/23				108	0.41
1923/24			56	114	0.94
1924/25				130	2.22
1925/26			126	148	3.43
1926/27			241	159	4.81
1927/28	[89.0]	[3,050]	397	177.6	6.13
1928/29			618	178.8	8.00
1929/30			762	138.9	10.66
1931			810	98.3	10.59
1932	52.9	3,414	837	69	12.09
1933	39.7	2,486	774	62	14.45
1934	32.9	2,485	901	65	21.51
1935	31.2	2,733	1,210	79	26.85
1936	42.0	3,374	1,510	96	27.83
1937	59.0	4,283	1,624	106	27.77
1938	62.0	4,506		133	26.59
1939	69.5	4,892		[162]	26.92
1940	70.3	4,925	1,816	[153]	29.87
1945	21.8	1,810	989		15.86
1946					19.33
1947					23.34
1948					27.99
1949					32.57
1950	60.2	4,120	1,855	177	39.65
1951				189	44.93
1952				216	52.58
1953			2,083†	230	59.65
1954				226	64.35
1955	84.8	5,676	2,172	251	71.86
1956	[89.8]		2,142		78.1
1957			2,259		84.3
1958			2,196		88.8
1959					94.4

(continued)

APPENDIX B

TABLE B-2 (continued)

	706 Manganese Ore (mill.m.t.)	901 Automobiles (thous.)	902 Trucks and Buses (thous.)	903 Diesel and Electric Locomotives (units)	904 Steam Locomotives (units)
1913	1.25	[—]	[—]	[—]	477
1914	0.91				762
1915	0.54				883
1916	0.47				616
1917	0.39				409
1918	0.13				200
1919	0.07				74
1920	0.13				90
1921	0.01				78
1921/22	0.06				115
1922/23	0.22				96
1923/24	0.43		0.01		169
1924/25	0.68		0.02		148
1925/26	1.03		0.50		302
1926/27	0.84		[0.41]		359
1927/28	0.70*	0.1	0.67	—	479
1928/29	1.41*	0.2	1.5	—	575
1929/30	1.39	0.2	4.0	—	625
1931	0.88	—	4.0	2	810
1932	0.83	0.03	23.9	4	827
1933	1.02	10.3	39.4	18	930
1934	1.82	17.1	55.3	27	1,165
1935	2.39	19.0	77.7	38	1,518
1936	3.00	3.7	132.8	59	1,153
1937	2.75	18.2	181.7	36	1,172
1938	2.27	27.0	184.1	36	1,216
1939	2.25	19.6	182.1	23	1,011
1940	2.56	5.5	139.9	14	914
1945	1.47	5.0	69.7		8
1946	1.73	6.3	95.9	1	243
1947	2.04	9.6	123.4	41	674
1948	2.26	20.2	176.9	107	1,032
1949	2.90	45.7	230.3	210	1,187
1950	3.38	64.6	298.3	227	985
1951	4.12	53.6	235.1	189	665
1952	4.40	59.7	248.2	185	254
1953	4.64	77.4	276.8	248	668
1954	4.59	94.7	309.2	278	758
1955	4.74	107.8	337.5	328	654
1956	4.94	97.8	366.8	377	490
1957	5.15	113.6	381.8	670	—
1958	5.37	122.2	389.2	1,055	—
1959		124.5	370.5	1,437	—

(continued)

OUTPUT SERIES

TABLE B-2 (continued)

	904.1 Steam Locomotives (conven. units)	905 RR Freight Cars (thous.)	906 RR Passenger Cars (units)	907 RR Cars, Narrow-Gauge (units)	908 Street and Subway Cars (units)
1913	265	9.7	1,065		270
1914					
1915					
1916					
1917					
1918					
1919					
1920					
1921		0.78	39		
1921/22					
1922/23					
1923/24		0.57	144		
1924/25		0.54	114		
1925/26			298		
1926/27		7.95	726		
1927/28	478	7.87	387	256	414
1928/29	602	11.3	414	750	
1929/30	631	13.9	817	1,538	
1931	810	14.4	1,295	2,262	
1932	828	15.2	1,141	2,959	1,076
1933	941	13.0	1,274	3,488	
1934	1,257	20.7	1,495	4,556	
1935	1,796	69.6	887	5,125	
1936	1,566	27.5	725	10,700	
1937	1,582	29.8	912	7,100	376
1938	1,626		1,167		
1939	1,348				
1940	1,220	30.9	1,051		258
1945	10	0.8	5		
1946	312	17.3			
1947	861	23.8			
1948	1,300	30.5			
1949	1,488	43.5			
1950	1,249	50.8	912		436
1951	886	28.4	1,327		369
1952	344	24.4	1,229		409
1953	903	25.1	1,483		421
1954	1,035	23.9	1,751		502
1955	943	34.4	1,772		425
1956		40.2	1,799		760
1957		38.3	1,856		911
1958		40.3	1,782		929
1959		38.6	1,800		

(continued)



APPENDIX B

TABLE B-2 (continued)

	1001 Tractors (excl. garden) (thous.)	1001.1 Tractors (excl. garden) (th.hp)	1002 Plows, Tractor- Drawn (thous.)	1003 Paring Plows, Tractor- Drawn (thous.)	1004 Plows, Horse-Drawn (thous.)
1913	—		[—]	[—]	671.1
1914					
1915					
1916					133.4
1917					49.9
1918					12.8
1919					23.0
1920					89.3
1921					100.5
1921/22					159.3
1922/23	—				206.5
1923/24	0.01				173.5
1924/25	0.60	6			582.8
1925/26	0.90	9			945.0
1926/27	0.91	9			1,037
1927/28	1.27	27	0.51	0.39	1,173
1928/29	3.28	54	3.6	2.10	1,746
1929/30	9.10	137	19.8	5.19	2,222
1931	37.87	527	82.1	12.0	389.7
1932	48.93	762	61.1	6.71	56.2
1933	73.73	1,199	67.2	2.18	110.9
1934	93.97	1,772	74.6	5.08	126.3
1935	112.6	2,333	83.0	7.53	104.3
1936	112.9	2,598	82.3		
1937	50.98	998	96.4	35.8	[104]
1938	49.20	1,401	72.8		
1939	48.10	1,332			
1940	31.65	993	38.4	12.8	[—]
1945	7.73	221	8.5	—	[—]
1946	13.30	426	14.8		
1947	27.80	975	23.9		
1948	56.90	1,989	53.5		
1949	88.20	2,907	82.9		
1950	108.8	3,614	121.9	76.4	[—]
1951	91.83	3,065	107.7	74.0	
1952	98.65	3,243	94.5	31.5	
1953	111.3	3,639	95.2	23.7	
1954	135.4	4,152	101.0	29.9	
1955	163.4	4,827	103.2	29.0	[—]
1956	183.5		123.5	16.5	[—]
1957	203.8		127.8	18.5	[—]
1958	219.7		164.0	26.9	[—]
1959	213.5		155		[—]

(continued)

OUTPUT SERIES

TABLE B-2 (continued)

	1005 Harrows, Tractor- Drawn (thous.)	1006 Harrows, Horse-Drawn (thous.)	1007 Cultivators, Tractor- Drawn (thous.)	1008 Cultivators, Horse-Drawn (thous.)	1009 Drills, Tractor- Drawn (thous.)
1913	[—]	97.4	[—]		[—]
1914					
1915					
1916		25.4			
1917		6.5			
1918		0.1			
1919		1.0			
1920		2.6			
1921		6.2			
1921/22		15.4			
1922/23		26.8			
1923/24		125.8			
1924/25		174.5			
1925/26		310.2			
1926/27		355.4			
1927/28	—	590.0	[—]	50.2	0.6
1928/29	—	672.3	1.6	45.5	
1929/30	25.52	813.7	[—]	79.0	
1931	44.14	226.2	[19.7]	33.2	
1932	15.90	58.4	21.3	8.0	28.4
1933	10.70	29.6	19.5	13.6	
1934	4.95	58.9	[10.2]	38.0	
1935	3.97	61.7	14.4	57.0	
1936			50.2		
1937	8.5	[62]	68.1	[57.0]	62.9
1938			64.8		
1939					
1940	3.8	[—]	32.3	[—]	21.4
1945	—	[—]	0.09	[—]	1.6
1946			15.9		6.7
1947			31.8		19.4
1948			41.7		41.0
1949			59.2		64.0
1950	10.1	[—]	98.9	[—]	118.4
1951	8.0		116.1		136.5
1952	7.7		94.3		130.1
1953	7.1		87.5		95.3
1954	7.6		93.8		95.3
1955	9.7	[—]	112.6	[—]	123.3
1956	10.1	[—]	149.6	[—]	199.4
1957	11.4	[—]	208.1	[—]	278.1
1958	14.0	[—]	177.2	[—]	218.3
1959		[—]	121.5	[—]	136.5

(continued)

APPENDIX B

TABLE B-2 (continued)

	1010 Drills, Horse-Drawn (thous.)	1011 Combined Plows and Drills (thous.)	1013 Potato Planters, Tractor- Drawn (thous.)	1014 Machines for Planting Seedlings (units)	1016 Grain Combines (thous.)
1913	67.8		[—]	[—]	[—]
1914					
1915					
1916	13.7				
1917					
1918					
1919					
1920	9.9				
1921	5.0				
1921/22	8.5				
1922/23	10.7				
1923/24	9.7				
1924/25	30.0				
1925/26	62.0				
1926/27	58.1				
1927/28	57.2	30.17	—	—	—
1928/29	99.0	30.27	—		—
1929/30	149.4	18.35	—		0.3
1931	43.1	4.42	—		3.5
1932	19.8	3.75	0.24	520	10.0
1933	19.2	5.86	0.17		8.6
1934	27.1	0.29	—		8.2
1935	33.5	—	—		20.2
1936					42.6
1937	[34]	[—]	4.1	396	43.9
1938					22.9
1939					14.8
1940	[—]	[—]	3.6	150	12.8
1945	[—]	[—]	—	1	0.3
1946					1.5
1947					2.8
1948					14.5
1949					29.2
1950	[—]	[—]	2.5	535	46.3
1951			6.0	551	53.3
1952			7.3	1,000	42.2
1953			4.8	1,277	43.1
1954			23.7	7,254	38.6
1955	[—]	[—]	24.2	5,930	48.0
1956	[—]	[—]	6.6		81.1
1957	[—]	[—]	9.3		131.5
1958	[—]	[—]	5.0		65
1959	[—]	[—]			

(continued)

OUTPUT SERIES

TABLE B-2 (continued)

	1017 All Other Combines (thous.)	1018 Windrowers (thous.)	1019 Reapers, Horse-Drawn (thous.)	1020 Cotton Pickers (thous.)	1021 Haymowers, Tractor- Drawn (thous.)
1913	[—]	[—]	98.7	[—]	[—]
1914					
1915					
1916			22.2		
1917			7.6		
1918			0.6		
1919			1.0		
1920			2.3		
1921			5.5		
1921/22			5.5		
1922/23			11.7		
1923/24			13.4		
1924/25			55.8		
1925/26			106.6		
1926/27			132.2		
1927/28	—	—	190.4	—	[—]
1928/29		—		—	—
1929/30		—		—	—
1931		0.95		0.94	14.21
1932	—	2.37	25.4	2.20	15.58
1933		1.84	43.1	1.12	2.53
1934		2.04	78.2	0.43	2.03
1935		0.50	87.4	0.08	5.95
1936					
1937	—	—	[87]	—	1.30
1938					
1939					
1940	—	—	[—]	—	3.30
1945	—	[—]	[—]	—	—
1946					
1947					
1948					
1949					
1950	2.96	0.5	[—]	4.74	41.2
1951	2.84			9.84	87.3
1952	2.92			4.00	104.5
1953	4.49	0.7†		3.60	57.7
1954	25.64	0.7		3.39	22.0
1955	33.28	2.4	[—]	0.56	22.6
1956	53.42	81.2	[—]	0.89	27.2
1957	94.2	144.6	[—]		46.4
1958	51.4	94.8	[—]		73.5
1959			[—]		83.8

(continued)

## APPENDIX B

TABLE B-2 (continued)

	1022 Haymowers, Horse-Drawn (thous.)	1023 Rakers, Tractor- Drawn (thous.)	1024 Rakers, Horse-Drawn (thous.)	1025 Threshers, Tractor- Driven (thous.)	1026 Threshers, Horse-Driven (thous.)
1913	12.20	[—]		[—]	35.1
1914					
1915					
1916					
1917					15.2
1918					0.1
1919					0.1
1920					1.2
1921	4.07				1.7
1921/22	5.00				19.7
1922/23					25.9
1923/24					13.6
1924/25					35.6
1925/26	18.78				56.5
1926/27	40.7				66.8
1927/28	57.1	—	—	4.46	86.7
1928/29	78.4		1.08	5.43	96.7
1929/30	134.7		19.18	12.39	
1931	80.1		55.63	19.74	
1932	39.4	—	24.36	18.90	—
1933	60.3		45.64	13.61	0.02
1934	62.2		45.30	13.72	4.20
1935	70.0		51.57	12.86	6.50
1936				9.6	
1937	[70]	—	[52]	6.6	[6.50]
1938					
1939					
1940	[—]	0.9	[—]	2.2	[—]
1945	[—]	—	[—]	0.8	[—]
1946					
1947					
1948					
1949					
1950	[—]	5.8	[—]	15.5	[—]
1951		13.8		7.1	
1952		17.4		4.1	
1953		21.3		3.7	
1954		25.1		5.3	
1955	[—]	25.6	[—]	3.8	[—]
1956	[—]	11.0	[—]	3.4	[—]
1957	[—]	3.1	[—]	6.5	[—]
1958	[—]	11.1	[—]	10.1	[—]
1959	[—]		[—]		[—]

(continued)

OUTPUT SERIES

TABLE B-2 (continued)

	1027 Grain- Cleaning Machines (thous.)	1028 Winnowers, Horse-Drawn (thous.)	1029 Horse Drivings (thous.)	1030 Chaff and Silo Cutters (thous.)	1101 Steam Boilers (thous. m <sup>2</sup> )
1913	[—]	45.0	36.30	[—]	19.1
1914					
1915					
1916		9.8			
1917		3.2			
1918		0.5			
1919		0.8			
1920		3.3			
1921		2.0	0.48		
1921/22		9.8	2.15		
1922/23		11.6	14.2		
1923/24		23.8	14.0		
1924/25		58.8	30.3		
1925/26		98.2	44.3		32.8
1926/27		140.9	55.0		71.4
1927/28	—	168.6	61.0	14.7	87.9
1928/29	—				126.4
1929/30	—				166.1
1931	—				125.3
1932	0.01	[—]	[50]	15.9	163.3
1933	0.03				200.3
1934					226.0
1935	0.20				197.3
1936	0.50				265.4
1937	1.0	[—]	[50]	1.9	268.2
1938	3.8				240.0
1939					
1940	4.3	[—]	[—]	1.6	276.3
1945	—	[—]	[—]	0.5	90.3
1946					95.0
1947					135.1
1948					179.4
1949					247.5
1950	6.4	[—]	[—]	20.4	358.7
1951	6.3			26.3	423.5
1952	6.6			20.0	572.6
1953	6.7			14.0	709.7
1954	8.2			25.0	745.4
1955	10.1	[—]	[—]	47.0	[925]
1956	10.0	[—]	[—]	33.6	[910]
1957	10.0	[—]	[—]	33.8	[875]
1958	12.1	[—]	[—]	32.4	[905]
1959	15.7	[—]	[—]		

(continued)

APPENDIX B

TABLE B-2 (continued)

	1102 Water Turbines (th.kw)	1103 Steam and Gas Turbines (th.kw)	1104 Locomotives (th.hp)	1105 Diesel Engines (th.hp)	1106 Other Internal Combustion Engines (th.hp)
1913	—	5.9		35.1	
1914					
1915					
1916					
1917					
1918					
1919					
1920					
1921					
1921/22					
1922/23					
1923/24		2.0		8.4	
1924/25	4.7	16.3		18.0	
1925/26	3.9	20.0		28.2	
1926/27	9.7	34.0		38.4	
1927/28	12.0	35.7	14.6	38.9	58.8
1928/29	19.7	82.0	16.8	69.2	84.0
1929/30	31.9	24.1	27.3	103.4	154.9
1931	42.4	207.7	40.6	157.8	136.0
1932	59.5	239.0	35.5	95.8	116.5
1933	52.9	634.5	26.9	92.4	133.1
1934	74.6	363.8	21.3	131.4	202.1
1935	56.8	473.9	51.0	158.0	243.4
1936	72.7	622.9	65.5	212.2	262.3
1937	88.3	1,068	70.8	259.7	[260]
1938	52.5†	1,135†	84.3	261.8	
1939	144.8†	1,377†			
1940	207.7	972		248.7	[165]
1945	40.6	189		18.7	
1946	196.7†	245			
1947	323.9†	618			
1948	336.3†	724			
1949	339.9†	1,242			
1950	314.9	2,381		3,226	
1951	478.2	2,663		3,575	
1952	571.5	2,873		3,997	
1953	718.9	4,036		4,351	
1954	1,262	4,202		4,585	
1955	1,492	4,069		4,005	
1956	1,581	4,268		4,403	
1957	1,308	4,062			
1958					
1959					

(continued)

OUTPUT SERIES

TABLE B-2 (continued)

	1107 Turbo- generators (th.kw)	1108 Hydroelectric Generators (th.kw)	1109 Electric Motors (A.C.) (th.kw)	1110 Power Transformers (th.kva)	1201 Coal-Mining Combines (units)
1913		[—]		96.3	[—]
1914					
1915					
1916					
1917					
1918					
1919					
1920					
1921					
1921/22					
1922/23					
1923/24				76.5	
1924/25	10.3		104.4	196.0	
1925/26	16.3			127.4	
1926/27	51.8			291.7	
1927/28	75.0	—	258.6	403.2	—
1928/29	136.5	—	321.7	791.1	[—]
1929/30	186.0	—	632.6	1,525	[—]
1931	518.0	18	1,101	3,182	[—]
1932	826.0	259	1,658	3,426	—
1933	385.0	202	1,385	3,330	2
1934	335.0	131	1,485	2,874	2
1935	425.5	47	1,451	3,461	10
1936		[47]	1,653	3,203	
1937	514.0	47.1	1,833	2,743	—
1938	374.0				
1939					
1940	313.5	154.6	1,848	3,500	22
1945	185.5	79.6	1,240	1,800	5
1946					
1947					
1948					
1949					
1950	676.5	257.8	6,780	10,200	344
1951	1,425	497.9	7,355	11,700	353
1952	1,824	686.0	7,096	13,900	320
1953	2,677	790.4	7,747	15,700	403
1954	2,536	1,280	8,207	15,600	483
1955	3,113	1,413	8,819	19,600	731
1956	3,807	1,377	9,782	23,700	793
1957	4,100	1,500	11,700	26,900	910
1958			13,706	30,500	1,118
1959					

(continued)



APPENDIX B

TABLE B-2 (continued)

	1202 Coal-Cutting Machines (units)	1203 Electric Mining Locomotives (units)	1204 Ore-Loading Machines (units)	1205 Deep-Shaft Pumps (thous.)	1206 Turbodrills (units)
1913	[—]	[—]			
1914					
1915					
1916					
1917					
1918					
1919					
1920					
1921					
1921/22					
1922/23					
1923/24					
1924/25					
1925/26					
1926/27					
1927/28	—	—			
1928/29	59	—			
1929/30	124	—			
1931	291	—			
1932	298	87			
1933	372	245			
1934	488	161			
1935	524	220			
1936	421	169			
1937	572	301		20.9	
1938	1,100				
1939					
1940	1,256	511	194	31.9	90
1945	1,833	651	11	39.8	244
1946					
1947					
1948					
1949					
1950	900	2,305	986	65.7	978
1951	771	2,083	952	78.3	1,370
1952	666	2,007	1,182	91.1	2,296
1953	751	1,809	1,155	92.8	2,724
1954	376	2,031	1,621	88.4	2,895
1955	405	1,816	1,792	79.7	2,589
1956	463	2,147	2,304	79.9	2,772
1957	875	2,744	2,255	86.2	3,489
1958	973	3,417	2,536	88.0	4,164
1959					

(continued)

OUTPUT SERIES

TABLE B-2 (continued)

	1210 Machine Tools (thous.)	1210.1 Bench and Engine Lathes (thous.)	1211 Electric Furnaces (units)	1212 Spinning Machines (units)	1213 Winding Machines (units)
1913	1.5		—		[—]
1914					
1915					
1916					
1917					
1918					
1919					
1920					
1921					
1921/22					
1922/23					
1923/24					
1924/25					
1925/26	1.1				
1926/27	1.9				
1927/28	2.0	0.83	2	66	—
1928/29	4.3	1.5			
1929/30	8.0	3.3			
1931	18.2	7.1			
1932	19.7	7.1	370	39	89
1933	21.0	7.8		330	
1934	25.4	9.1		488	
1935	33.9	6.8		646	
1936	44.4	8.3		690	
1937	48.5	15.2	465	884	50
1938	55.3				
1939	55.0				
1940	58.4	11.5	237	1,109	27
1945	38.4	13.1	1,345	11	—
1946	40.3				
1947	50.4				
1948	64.5				
1949	64.9				
1950	70.6	24.1	1,924	1,958	169
1951	71.2	23.1	2,006	1,614	207
1952	74.6	23.9	2,325	1,771	284
1953	91.8	27.3	2,707	1,729	261
1954	102.4	29.5	2,612	1,889	253
1955	117.1	31.3	2,719	2,040	235
1956	124.0			1,666	258
1957	131.0	33.4		1,877	218
1958	138.6	34.1		1,065	122
1959	146				

(continued)

APPENDIX B

TABLE B-2 (continued)

	1214 Looms (units)	1215 Cotton- Carding Machines (units)	1216 Knitting Machines (units)	1217 Leather- Spreading Machines (units)	1218 Leather- Dressing Machines (units)
1913	4,600			—	—
1914					
1915					
1916					
1917					
1918					
1919					
1920					
1921					
1921/22					
1922/23					
1923/24					
1924/25					
1925/26					
1926/27					
1927/28	3,700		1,809	—	—
1928/29					
1929/30					
1931					
1932	300		1,806	—	—
1933	1,928	181	2,555		
1934	2,118	428	2,761		
1935	3,254	837			
1936	4,461				
1937	4,095	1,210		108	56
1938					
1939					
1940	1,800	1,312		—	—
1945	20	2		—	—
1946					
1947	2,240				
1948	3,990				
1949	6,900				
1950	8,700	2,228		200	78
1951	7,200	2,664		310	106
1952	10,000	2,119		—	75
1953	10,200	2,167		10	61
1954	17,300	2,436		100	86
1955	16,000	1,800		222	98
1956	14,000	1,400		160	162
1957	14,500	1,165		200	197
1958	14,400	1,126		181	163
1959	15,900				

(continued)

OUTPUT SERIES

TABLE B-2 (continued)

	1219 Typesetting Machines, Linotype (units)	1220 Flat-Bed Printing Presses (units)	1221 Industrial Sewing Machines (thous.)	1222 Metal- Pressing Mach. Tools (thous.)	1222.1 Presses (units)
1913	[—]	[—]	[—]		
1914					
1915					
1916					
1917					
1918					
1919					
1920					
1921					
1921/22					
1922/23					
1923/24					
1924/25					
1925/26					
1926/27					586
1927/28	—	—	—		1,194
1928/29	—	—	—		
1929/30	—	—	—		
1931	—	—	2.5		
1932	2	—	8.8	1.1	797
1933	29	80	16.1		384
1934	79	66	16.6		697
1935			17.6		
1936					
1937	300	300	23.6	3.1	2,414
1938					
1939					
1940	145	258	20.3	4.7†	4,061
1945	50	42	3.3		2,466
1946					
1947					
1948					
1949					
1950	355	821	34.0	7.7†	4,562
1951	376	885	34.9		3,508
1952	227	971	35.6		4,100
1953	216	1,140	45.2	11.2†	6,169
1954	328	923	49.0		8,323
1955	457	767	43.3	17.1†	12,071
1956	579	1,009	58.3	19.6	
1957	681	1,092	72.9	22.8	
1958	858	1,114	89.2	25.0	
1959				28.5	

(continued)

APPENDIX B

TABLE B-2 (continued)

	1301 Excavators (units)	1302 Trench Excavators (units)	1303 Stone Crushers (units)	1304 Road Graders (units)	1305 Self-Propelled Road Graders (units)
1913	[—]				[—]
1914					
1915					
1916					
1917					
1918					
1919					
1920					
1921					
1921/22					
1922/23					
1923/24					
1924/25					
1925/26					
1926/27					
1927/28	—	39	63	97	—
1928/29	—	105	392	342	—
1929/30	—	416	793	769	—
1931	2	489	1,309	1,428	—
1932	85	444	1,642	1,165	—
1933	116	397	1,351	1,693	—
1934	290	255	1,196	1,267	—
1935	458	199		749	—
1936	573		673		—
1937	522	[200]	[670]	660	—
1938	492				—
1939	310				—
1940	274				—
1945	10				—
1946	76				
1947	630				
1948	1,832				
1949	2,754				
1950	3,540				20
1951	3,755				40
1952	3,701				44
1953	4,156				219
1954	4,865				607
1955	5,250				1,014
1956	6,784			1,810	1,646
1957	9,535				2,064
1958	10,159				2,662
1959	10,200				2,800

(continued)

OUTPUT SERIES

TABLE B-2 (continued)

	1306 Concrete Mixers (units)	1307 Scrapers, Tractor- Driven (units)	1308 Bulldozers (units)	1309 RR Cranes, Steam (units)	1310 Self-Propelled Cranes (units)
1913		[-]	[-]	[-]	[-]
1914					
1915					
1916					
1917					
1918					
1919					
1920					
1921					
1921/22					
1922/23					
1923/24					
1924/25					
1925/26					
1926/27					
1927/28	25	—	—	—	[-]
1928/29	372			1	
1929/30	720			—	
1931	1,633			12	
1932	1,104	—	—	122	—
1933	492			151	
1934	433			83	
1935				112	
1936					
1937	1,244	2,480	136	418	137
1938					
1939					
1940	1,584	2,104	118	258	139
1945	466	34	1	37	17
1946					
1947					
1948					
1949					
1950	4,373	2,089	3,788	478	4,152
1951	5,194	3,392	3,516	603	3,555
1952	5,220	3,386	4,475	635	3,321
1953	5,623	4,144	5,794	696	4,808
1954	6,485	3,067	6,669	715	4,926
1955	7,503	2,025	7,511	641	5,505
1956		1,991	9,520	344	5,590
1957		2,500	10,429	321	6,270
1958		2,664	10,963	400	6,944
1959					

(continued)

APPENDIX B

TABLE B-2 (continued)

	1311 Overhead Traveling Cranes (units)	1312 Tower Cranes (units)	1313 Electric Elevators (units)	1401 Telephones (thous.)	1402 Hand- Operated Switchboards (th. lines)
1913		[—]		[52.0]	
1914					
1915					
1916					
1917					
1918					
1919					
1920					
1921					
1921/22					
1922/23					
1923/24				13.3	
1924/25				21.7	
1925/26				57.1	
1926/27				98.6	
1927/28	61	[—]	155	58.5	24.5
1928/29	139		166	84.3	48.1
1929/30	193		219	117.0	91.2
1931	342		245	249.0	163.9
1932	625	—	389	234.5	190.3
1933	708		373	232.9	151.3
1934	330		256	241.0	135.2
1935	373		252	258.3	212.6
1936				274.5	[239.2]
1937	375	3	722	252.6	[239]
1938					
1939					
1940		57	513		
1945		3	44		
1946					
1947					
1948					
1949					
1950		1,199	466		
1951		1,962	859		
1952		2,324	932		
1953		2,648	1,411		
1954		3,119	1,613		
1955		3,241	1,957		
1956		2,845	2,829		
1957		3,470	3,340		
1958		2,611	4,126		
1959					

(continued)

OUTPUT SERIES

TABLE B-2 (continued)

	1403 Automatic Switchboards (th. lines)	1405 Calculating Machines (thous.)	1406 Typewriters (thous.)	1501 Flour (mill.m.t.)	1502 Macaroni (th.m.t.)	1503 Butter (th.m.t.)
1913				28	30	104
1914						136.6
1915						128.7
1916						73.7
1917						56.6
1918						28.0
1919						11.5
1920						21.0
1921						18.2
1921/22						25.2
1922/23						29.5
1923/24						[39.6]
1924/25						[49.6]
1925/26						[56.7]
1926/27		2.4				[58.9]
1927/28	22.0	5.2	—	24	47	82.1
1928/29	30.1	8.0	—		50	77.8
1929/30	40.2	12.8	—		99	41.0
1931	83.8	30.1	0.14		160	82.8
1932	84.1	41.4	1.44	[20]	185	71.4
1933	50.0	54.5	4.02		149	124.3
1934	69.8	64.6	8.12		181	138.0
1935	136.0	59.8	9.69		185	159
1936	96.0	58.0	17.09		262	189
1937	86.8		20.82	28	264	185
1938					306	199
1939					388	191
1940	37.5			29	324	226
1945	2.7			15	243	117
1946					270	186
1947					238	218
1948					311	292
1949					364	317
1950	132.0			22	440	336
1951	166.1				496	355
1952	139.3				617	371
1953	140.5			27†	740	382
1954	206.5				850	389
1955	201.0			32	958	463
1956	245.2			32	862	557
1957	260.2			33	957	635
1958	310.0			33	950	659
1959					961	712

(continued)



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

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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).
<b>203 Lead</b>	
1913-1921	197, 94 f. For 1913, also 221, 190.
1921/22-1932	221, 190.
1933-1935	399, 1936, No. 3, 7.
1936	Based on 1935 output and announced annual relative (133.6%, 399, 1937, No. 2, 119).
1937	Based on 1932 output and percentage increase between 1932 and 1937 (233%, 318, 3/4/39).
1938-1939	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).
1940	Assumed to be 105% of 1939 output.
1945	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).
1946-1955	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).
<b>204 Zinc</b>	
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).
1925/26-1933	221, 190.
1934-1935	399, 1936, No. 3, 11.
1936	Based on 1935 output and announced annual relative (136.9%, 399, 1937, No. 2, 119).
1937	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).
1938	Output in 1938 is stated (336, 12/16/45) to be 5 times output in 1933.
1939-1940	Extrapolated on the basis of lead (series 203).
1945	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

APPENDIX B

	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 <sup>3</sup> 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 <sup>3</sup> 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<sup>3</sup> as for 1913.
- 1923/24      363, 1925, No. 3, 105 f. Sum of consumption by urban population and for industrial uses. Converted from sazhen<sup>3</sup> at 1 sazhen<sup>3</sup> = 9.7127 m<sup>3</sup>.
- 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<sup>3</sup> 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.



APPENDIX B

- 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.

OUTPUT SERIES

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.

APPENDIX B

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 <sup>3</sup> , 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. m<sup>3</sup>, 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. m<sup>2</sup> 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.

OUTPUT SERIES

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 <sup>2</sup> , 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.

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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.



APPENDIX B

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.

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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 negli- gible.
	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 <sup>2</sup> 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.

*OUTPUT SERIES*

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.

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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.

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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).

*APPENDIX B*

1954-1955	Planned outputs (364, 10/30/53) assumed fulfilled.
<b>1513 Canned food</b>	
1913	138, 59.
1927/28-1940, 1945-1956	180, 398, 430.
1957-1958	141, 168 f.
1959	364, 1/22/60.
<b>1513.1 Canned meat</b>	
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.
<b>1513.2 Canned fish</b>	
1913, 1927/28, 1932, 1937, 1940, 1950, 1953, 1955-1957	Same sources as for canned meat (series 1513.1).
<b>1513.3 Canned milk</b>	
1913, 1927/28, 1932, 1937, 1940, 1950, 1953, 1955-1957	Same sources as for canned meat (series 1513.1).
<b>1513.4 Canned vegetables and fruit</b>	
1913, 1927/28, 1932, 1937, 1940, 1950, 1953, 1955-1957	Same sources as for canned meat (series 1513.1).
<b>1514 Beer</b>	
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.
<b>1515 Cigarettes</b>	
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.

OUTPUT SERIES

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.

OUTPUT SERIES

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).

OUTPUT SERIES

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 <sup>3</sup>	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 <sup>3</sup>	33.8	37.9
511	Plywood	thous. m <sup>3</sup>	672.3	752.0
513	Roll roofing	mill. m <sup>2</sup>	161.4	165.9
516	Asbestos shingles	mill.	187.0	193.6
519	Window glass	mill. m <sup>2</sup>	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 <sup>2</sup>	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.