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Production Indexes and Weights

General Note

THE indexes given in Appendix D are, in general, expressed as values in constant prices. The exception is the index for all civilian industrial products in Table D-4, which is given in the form of index numbers since it is weighted by employment in 1955.

The series included in these indexes are given in Tables D-10 and D-11; weights, in Tables D-8 and D-9. The weighting systems used are described in Chapter 5 and Appendix A, technical note 3.

TABLE D-1
INDEXES FOR INDUSTRIAL MATERIALS: SOVIET UNION, 1913-1955
(million constant rubles)

| | Consumer | 20,089.3 | | | 19,563.4 | 20,248.4 |
|--------------------------|--|--|---|---|---------------------------------------|----------|
| 1955 Prices® | Intermediate Industrial Products | 13,136.4 | | | 13,299.1 | 22,896.3 |
| | Total | 33,225.7 38,093 37,459 40,060 33,149 | 14,463 7,984 7,582 8,971 14,114 | 15,782 18,191 24,826 30,760 31,149 | 32,862.5 35,219 41,957 | 43,144.7 |
| | Consumer Goods | 2,990.0 | | | 2,868.9 | 3,387.7 |
| 1928 Pricesª | Intermediate Industrial Products | 2,545.9 | | | 2,688.0 | 3,876.3 |
| | Total | 5,535.9 6,239 6,061 6,193 5,111 | 2,373 1,153 1,052 1,175 1,865 | 2,360 2,878 4,133 5,037 5,405 | 5,556.9 6,039 6,884 7 183 | 7,264.0 |
| | Consumer Goods | 1,302.50 | | | 1,280.2 | 1,218.2 |
| 1913 Prices ^a | Intermediate Industrial Products | 1,385.1 b | | | 1,498.9 | 2,562.8 |
| | Total | 2,687.6 ^b 2,948 2,869 2,972 2,477 | 1,064 649 583 634 927 | 1,144 1,412 1,957 2,437 2,714 | 2,779.1 | 3,781.0 |
| | | 1913 1914 1915 1919 1617 | 1918 5 1919 5 1920 1921 1921/22 | 1922/23 1923/24 1924/25 1925/26 1926/27 | 1927/28 1928/29 1929/30 1931 | 1932 |

| 28,498.04 | 29,542.1 | 16,044.8 | 31,991.4 |
|---|-------------------------------|----------|--|
| 41,593.54 | 47,653.6 | 31,275.1 | 67,536.3 |
| 44,180 52,467 59,112 68,774 70,091.5d | 71,987 74,452 77,195.7 | 47,319.9 | 53,849 63,810 75,296 90,224 99,527.7 |
| 4,086.1° | 4,457.4 | 1,998.3 | 4,815.4 |
| 8,603.4° | 9,602.0 | 6,181.2 | 13,883.3 |
| 7,583 9,006 10,366 12,325 12,689.5° | 13,073 13,395 ·14,059.4 | 8,179.5 | 9,510 11,351 13,834 16,533 18,698.7 |
| 1,785.8 | 1,931.9 | 868.7 | 2,028.2 |
| 4,897.3 | 5,496.1 | 3,455.5 | 7,745.4 |
| 6,683.1 | 7,428.0 | 4,324.2 | 9,773.6 |
| 1933 1934 1935 1936 1937 | 1938 1939 1940 | 1945 | 1946 1947 1948 1949 1950 |

^a The product coverage is the same for the indexes based on 1928 and 1955 prices, but slightly smaller for the index based on 1913 prices (see Table D-10). Weights are given in Table D-8.

^b The values on Tsarist territory for 1913, for a smaller product 405.3, 406, 510, 513, 604, 605, 1506, 1507, and 1614. The corresponding values on Soviet territory are: 2,374.4, 1,309.4, and 1,065.0 coverage, are 2,806.2, 1,594.1, and 1,212.1 mill rubles for all industrial respectively. The following series are not covered: 308, 309, 405.2, materials, intermediate industrial products, and consumer goods, mill. rubles, respectively.

ndustrial products, and consumer goods, respectively. The and 32,366.0 mill. rubles for all industrial materials, intermediate corresponding values on pre-World II territory for 1937 are 64,916.4, 37,416.5, and 27,499.9 mill. rubles, respectively. ^e The values on post-World War II territory for 1937, for a slightly smaller product coverage, are 12,552.6, 8,176.4, and 4,376.2 mill

and consumer goods, respectively. The following series are not rubles for all industrial materials, intermediate industrial products covered: 309, 512, 1511, and 1614. The corresponding values on ore-World War II territory for 1937 are 11,857.6, 7,866.9, and ^d The values on post-World II territory for 1937, for a slightly smaller product coverage (see note c above), are 71,172.6, 38,806.6, 3,990.7 mill. rubles, respectively.

105,612.7

53,747.1

8,072.0

30,448.0

15,807.8

22,758 25,326 27,517

129,089 39,787 19,274

1951 1952

1953 1954

TABLE D-2

Indexes for Finished Civilian Industrial Products, by Groups: Soviet Union, Benchmark Years, 1913-1955^a (million constant rubles)

| | | ALL FINISHED | T FINISHED CIVILIAN PRODUCTS | SE | | | • | MACHINERY AND EQUIPMENT | ND EQUIPMENT | |
|---------|----------------------|-----------------------------------|------------------------------|---|--------------------------|------------|------------------------------|---|---------------------------|---|
| | Incl Misce Mad | Including Miscellaneous Machinery | Excluding Miscellaneo | Excluding Miscellaneous Machinery | Construction Materials | Materials | Total Is Miscel Mach | Total Including Miscellaneous Machinery | Total E Miscel Macl | Total Excluding Miscellaneous Machinery |
| | | | | | | | | | | |
| | 1928 | 1955 | 1928 | 1955 | 1928 | 1955 | 1928 | 1955 | 1928 | 1955 |
| | Prices | Prices | Prices | Prices | Prices | Prices | Prices | Prices | Prices | Prices |
| 1019 | 4.609 | 21 172 | 4 454 | 31 006 | 846 3 | 4 411 7 | 945.3 | 1.769.3 | 191.4 | 1,602.5 |
| 1913 | 4,000 | 01,17 | 1,505 4 FOE | 90,00 | 0.10.5 | 4 242 4 | 373 1 | 9 9 7 0 6 | 284.8 | 2,058.9 |
| 87//761 | 4,034 | 28,82 | 5,700 | 60,013 | C./CO | 1,212,1 | 10101 | 2,7,7,7 | 0 010 | 2 872 1 |
| 1932 | 6,241 | 37,316 | 5,745 | 36,224 | 1,312.8 | 6,/04.0 | 1,314.9 | 4,914.7 | 010.0 | 2,023.1 |
| 1937 | 11,641 | 58,590 | 10,884 | 56,474 | 2,168.3 | 10,817.6 | 3,693.6 | 10,099.7 | 2,936.6 | 7,983.8 |
| 1940 | 10,925 | 55,817 | 10,199 | 53,657 | 2,064.5 | 10,476.5 | 2,844.1 | 7,578.5 | 2,117.2 | 5,417.9 |
| 1945 | 4,525 | 24,888 | 4,181 | 23,771 | 836.4 | 4,262.4 | 1,237.4 | 2,378.7 | 892.8 | 1,261.5 |
| 1950 | 18,070 | 75, 797 | 15,364 | 70,242 | 3.006.1 | 14,781.1 | 7,926.5 | 18,091.0 | 5,221.2 | 12,536.2 |
| 1955 | 27,639 | 117,774 | 23,632 | 109,370 | 5,180.1 | 24,775.8 | 10,308.8 | 22,637.1 | 6,301.8 | 14,232.8 |
| | | | | | N C | SCOOS SAME | | | | |
| | | 1 | | | | : E | | | , | D1122 |
| | | Total | al | Food and | Food and Allied Products | I extu | I extues and Allied Froducts | roaucts | Consumer Durantes | Durantes |
| | | 1928 | 1955 | 1928 | 1955 | 1928 | | 1955 | 1928 | 1955 |
| | | Prices | Prices | Prices | Prices | Prices | | Prices | Prices | Prices |
| 1013 | | 3 516 8 | 94 992.0 | 1.938.0 | 19, 723.9 | 1.568.3 | | ,956,4 | 10.5 | 311.7 |
| 1977/28 | | 3 383 1 | 22,311.8 | 1,722.5 | 16,361.0 | 1,644.0 | | 5,570.2 | 16.6 | 380.6 |
| 1937 | | 3,613,6 | 25,696.9 | 1.945.8 | 19,260.9 | 1,593 | | ,417.5 | 74.0 | 1,018.5 |
| 1937 | | 5.779.3 | 37,672.7 | 3,079.0 | 27,191.7 | 2,316.5 | | 8,387.3 | 383.8 | 2,093.7 |
| 1940 | | 6,016.9 | 37,762.5 | 3,152.0 | 26,753.6 | 2,631 | | 9,649.6 | 233.6 | 1,359.3 |
| 1945 | | 2,451.5 | 18,247.0 | 1,355.0 | 14,282.6 | 1,059.5 | | 3,803.6 | 37.0 | 160.8 |
| 1950 | | 7,137.0 | 42,924.6 | 3,599.8 | 29,110.2 | 2,890 | _ | 0,406.4 | 646.5 | 3,408.0 |
| 1955 | | 12,149.9 | 70,361.2 | 5,239.1 | 44,631.7 | 5,155.5 | _ | 6,072.2 | 1,755.3 | 9,657.3 |
| | - | - | 1 | 1030 523 106 | 1000 1066 (T-bls D 10) | 1 | Initiate one of | Weights are witten in Table D.8 | 80 | |

^a Product coverage differs for the indexes based on 1928 and 1955 prices (see Table D-10). Weights are given in Table D-8.

TABLE D-3

INDEX FOR ALL CIVILIAN INDUSTRIAL PRODUCTS, 1928 WEIGHTS, BY GROUPS: SOVIET UNION, 1913, 1928–1955^a (million constant rubles, 1928 prices)

| | All Industrial Products | al Products | | | Intermediate In | Intermediate Industrial Products | | |
|---|---|--|--|---|-----------------------------------|---|---|---|
| | Including Miscellaneous Machinery | Excluding Miscellaneous Machinery | Total | Ferrous | Nonferrous Metals | Fuel and Electricity | Chemicals | Construction Materials |
| 1 | 5,768.0 | 5,742.3 | 2,186.0 | 366.7 | 18.7 | 616.2 | 155.5 | 1,068.9 |
| | 5,924.0 | 5,878.6 6,681 7,667 8,239 8,249.0 | 2,370.0 2,927 3,809 4,073 4,350.2 | 321.2 381 462 444 492.1 | 18.2 23 29 33 36.9 | 926.3 1,091 1,411 1,750 1,990.3 | 168.5 213 261 296 311.4 | 935.8 1,219 1,646 1,550 1,519.5 |
| | 15,742.1 | 8,745 10,471 12,389 14,484 15,361.0 | 4,685 5,736 6,852 8,111 8,274.9 | 568 818 1,041 1,283 1,337.5 | 36 50 73 98 106.2 | 2,261 2,798 3,278 3,882 4,110.5 | 334 424 515 593 658.9 | 1,486 1,646 1,945 2,255 2,061.8 |
| | 16,960.9 | 16,061 16,532 16,583.3 | 8,570 9,037 9,481.7 | 1,346 1,316 1,376.6 | 117 144 158.2 | 4,387 4,732 5,262.1 | 721 750 674.8 | 1,999 2,095 2,009.9 |
| | 9,774.6 | 9,593.4 | 6,593.4 | 9.998 | 115.7 | 4,380.1 | 284.6 | 946.3 |
| | 26,002.1 | 11,439.5 13,933 17,442 21,190 24,530.4 | 7,680 9,058 11,000 13,009 14,903.0 | 964 1,089 1,371 1,690 1,983.8 | 125 143 169 206 236.7 | 4,917 5,694 6,581 7,598 8,652.0 | 402 561 741 960 1,162.5 | 1,272 1,571 2,138 2,555 2,868.0 |
| | 42,247.5 | 27,003 29,314 32,439 36,335 40,033.5 | 16,788 18,456 20,158 22,385 25,077.3 | 2,277 2,549 2,809 3,055 3,358.3 | 275 323 347 374 425.1 | 9,693 10,802 11,967 13,316 15,139.4 | 1,261 1,340 1,422 1,578 1,758.7 | 3,282 3,442 3,613 4,062 4,395.8 |

| | | Mach | Machinery and Equipment | ent | | | Consume | Consumer Goods | |
|---|---|---|---|------------------------------------|----------------------------|---|---|---|--|
| | Total Incl. Miscellaneous Machinery | Total Excl. Miscellaneous Machinery | Transport. Equipment | Agricult. Machinery | Miscellaneous Machinery | Total | Food and Allied Products | Textiles and Allied Products | Consumer Durables |
| 1913 | 127.0 | 101.3 | 6.79 | 33.4 | 25.7 | 3,455.0 | 1,878.4 | 1,571.2 | 5.4 |
| 1927/28 1928/29 1929/30 1931 1932 | 189.8 | 144.4 193 275 337 431.4 | 60.8 83 114 130 261.3 | 83.6 110 161 207 170.1 | 45.4 | 3,364.2 3,561 3,583 3,829 3,467.4 | 1,580.7 1,521 1,803 2,104 1,784.4 | 1,774.9 2,027 1,760 1,697 1,644.3 | 8.6 13 20 28 38.3 |
| 1933 1934 1935 1936 1937 | 2,025.8 | 663 909 1,291 1,401 1,644.7 | 427 613 939 1,049 1,462.7 | 235 296 351 352 182.0 | 381.1 | 3,398 3,826 4,247 4,972 5,441.3 | 1,747 2,160 2,461 2,649 2,867.6 | 1,603 1,587 1,681 2,137 2,375.0 | 48 79 105 186 198.8 |
| 1938 1939 1940 | 1,571.0 | 1,707 1,633 1,193.4 | 1,557 1,490 1,100.4 | 150 143 93.0 | 377.6 | 5,784 5,862 5,908.2 | 3,174 3,081 3,049.1 | 2,404 2,624 2,738.1 | 206b 157b 121.0 |
| 1945 | 682.9 | 506.7 | 485.0 | 21.7 | 181.2 | 2,493.3 | 1,363.7 | 1,110.4 | 19.2 |
| 1946 1947 1948 1949 1950 | 4,395.2 | 757 1,041 1,592 2,363 2,923.5 | 717 959 1,422 1,998 2,585.8 | 39 82 170 265 337.7 | 1,471.7 | 3,003 3,834 4,850 5,918 6,703.9 | 1,615 1,972 2,498 3,062 3,433.0 | 1,351 1,791 2,215 2,592 2,936.0 | 37 ^b 71 ^b 137 ^b 264 334.9 |
| 1951 1952 1953 1954 1955 | 5,733.8 | 2,310 2,404 2,759 3,147 3,519.8 | 2,020 2,105 2,436 2,761 3,058.9 | 290 299 323 386 460.9 | 2,214.0 | 7,905 8,454 9,522 10,803 11,436.4 | 3,926 4,189 4,433 4,903 5,239.6 | 3,567 3,802 4,525 5,122 5,287.4 | 412 463 564 778 909.4 |

⁸ For product coverage, see Table D-10; for weights, Table D-9. ^b Interpolated logarithmically.

TABLE D-4 INDEX FOR ALL CIVILIAN INDUSTRIAL PRODUCTS, 1955 Weights, by Groups: Soviet Union, 1913, $1928-1958^{\circ}$ (1913 = 100)

| | All Industra | All Industrial Products | | | Intermediate | Intermediate Industrial Products | , | |
|---|---|-------------------------------------|------------------------------------|------------------------------------|---|---|---------------------------------------|------------------------------------|
| | Including Miscellaneous Machinery | Excluding Miscellaneous Machinery | Total | Ferrous Metals | Nonferrous Metals | Fuel and Electricity | Chemicals | Construction Materials |
| 1913 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 |
| 1927/28 1928/29 1929/30 1931 1932 | 107.0 | 106.8 125 141 136 145.2 | 94.7 120 157 141 161.1 | 86.6 104 124 120 135.9 | 98.6 127 166 166 196 216.6 | 128.1 149 183 223 250.5 | 139.0 172 198 231 252.5 | 86.2 113 153 144 141.5 |
| 1933 1934 1935 1936 | 248.9 | 148 172 211 233 238.4 | 165 192 227 264 257.3 | 157 227 286 350 362.2 | 202 291 418 559 617.2 | 287 354 406 473 483.5 | 260 310 376 423 465.5 | 139 152 178 206 189.4 |
| 1938 1939 1940 | 242.8 | 241 245 231.5 | 260 273 269.9 | 366 358 372.4 | 698 848 923.9 | 506 548 610.6 | 500 508 448.9 | 185 196 187.2 |
| 1945 | 110.3 | 103.9 | 150.4 | 232.8 | 677.3 | 490.6 | 168.7 | 88.1 |
| 1946 1947 1948 1949 | 367.4 | 135 175 229 287 335.4 | 186 224 286 341 395.6 | 260 293 368 452 530.2 | 745 863 993 1,216 1,406.8 | 551 628 718 816 908.6 | 259 372 492 641 780.2 | 115 140 190 224 261.1 |
| 1951 1952 1953 1954 1955 | 537.4 | 360 371 400 446 487.7 | 446 475 502 556 609.7 | 608 682 751 817 900.1 | 1,659 1,941 2,128 2,311 2,624.1 | 996 1,072 1,155 1,266 1,435.3 | 846 887 918 1,016 1,126.7 | 299 314 327 366 392.4 |
| 1956 1957 1958 | | 529 580 605 | | 967 1,015 1,086 | | 1,585 1,748 1,914 | 1,241 1,337 1.434 | 411 448 483 |
| | | | | (continued) | | | | |

| S | Textiles and Allied Consumer Products Durables | 0 100 | 132.2 122.1 147 203 121 297 113 350 122.9 326.8 | 114 376 115 449 123 516 156 656 182.3 671.7 | 190 618b 204 519b 212.5 436.1 | 83.1 51.6 | 102 119b 135 273b 165 610b 193 855 216.9 1,093.4 | 9 1,406 0 1,597 11 1,931 9 2,574 3.1 3,098.3 | 3,470 6 3,693 11 4,093 |
|-------------------------|--|---------|---|---|-------------------------------------|-----------|--|--|------------------------------|
| Consumer Goods | Food and Tex Allied and Products Proc | 100 100 | 82.1 13 84 14 93 12 103 11: 97.2 12 | 92 11. 112 11. 120 12. 138 15. 188.5 18 | 146 19 151 20 137.1 215 | 72.0 83 | 82 10 101 13 115 16 144 19 147.8 21 | 173 259 180 270 195 291 217 319 227.5 333. | 245 344 253 366 |
| | Total | 100 | 110.1 120 111 112 113.8 | 107 117 126 154 168.3 | 175 184 181.1 | 77.9 | 93 122 148 179 196.0 | 234 244 267 298 316.4 | 334 352 376 |
| | Miscellaneous Machinery | 100 | 129.2 | 778 | 1,402.2 | 760.7 | 3,635.4 | 5,618.0 | |
| rent | Agricult. Machinery | 100 | 227.0 303 421 371 332.1 | 389 463 585 698 515.9 | 377 306 206.8 | 30.3 | 65 138 326 552 803.9 | 850 776 754 876 1,031.9 | 1,372 1,889 |
| Machinery and Equipment | Transport. Equipment | 100 | 81.5 104 132 163 194.1 | 230 312 527 405 490.4 | 529 498 402.3 | 102.3 | 216 321 468 642 772.9 | 579 553 660 736 819.7 | 863 886 949 |
| Mach | Total Excl. Miscellaneous Machinery | 100 | 129.0 168 227 231 239.1 | 283 362 548 502 498.5 | 481 438 338.3 | 78.8 | 167 262 423 614 782.8 | 667 625 686 781 888.8 | 1,029 |
| | Total Incl. Miscellaneous Machinery | 100 | 129.0 | 561.9 | 421.0 | 131.7 | 1,004.4 | 1,256.2 | |
| | | 1913 | 1927/28 1928/29 1929/30 1931 1932 | 1933 1934 1935 1936 1937 | 1938 1939 1940 | 1945 | 1946 1947 1948 1949 1950 | 1951 1952 1953 1954 1955 | 1956 1957 1958 |

 $^{\rm a}$ For product coverage, see Table D-10; for weights, Table D-9. $^{\rm b}$ Interpolated logarithmically.

TABLE D-5
INDEX FOR INDUSTRIAL MATERIALS: RUSSIA,
BENCHMARK YEARS, 1860–1913^a
(million constant rubles, 1913 prices)

| | | |
|------|----------------|--|
| 1860 | 116.4 | |
| 1865 | 86.9 | |
| 1870 | 130.8 | |
| 1875 | 203.0 | |
| 1880 | 273.2 | |
| 1885 | 391.6 | |
| 1888 | 466.5 | |
| 1890 | 509.0 | |
| 1895 | 797 . 8 | |
| 1900 | 1,212.4 | |
| 1905 | 1,234.5 | |
| 1910 | 1,597.7 | |
| 1913 | 2,041.8 | |
| | | |

^a For product coverage, see Table D-11; for weights, Table D-8.

TABLE D-6
INDEXES FOR INDUSTRIAL MATERIALS: SOVIET UNION, 1955-1958^a
(million constant rubles, 1955 prices)

| | 50 Products | 49 Products | 46 Products | 41 Products | 54 Products ^b |
|------|----------------|----------------|----------------|----------------|-----------------------------|
| 1955 | 146,659 | 145,904 | 144,601 | 137,085 | 153,747 |
| 1956 | 157,556 | 156,757 | , | 147,739 | 164,643 |
| 1957 | · | 168,373 | 166,853 | 158,934 | 176,260 |
| 1958 | | • | 179,608 | 171,654 | 189,015 |

^a See Appendix A, technical note 3, for description of the indexes.

TABLE D-7
INDEXES FOR INDUSTRIAL MATERIALS, U.S. Weights: Soviet Union,
Benchmark Years, 1913–1955^a
(million constant dollars)

| | 1914 | 1929 | 1939 | 1954 |
|---------|---------|---------|---------|----------|
| | Prices | Prices | Prices | Prices |
| 1913 | 1,192.1 | 1,904.7 | 1,518.0 | 3,216.3 |
| 1927/28 | 1,256.3 | 1,991.5 | 1,556.7 | 3,296.2 |
| 1932 | 1,527.3 | 2,489.3 | 1,944.6 | 4,298.9 |
| 1937 | 2,680.5 | 4,077.2 | 3,354.6 | 7,309.2 |
| 1940 | 2,901.8 | 4,368.6 | 3,602.1 | 7,834.0 |
| 1945 | 1,609.6 | 2,394.1 | 1,993.9 | 4,356.7 |
| 1950 | 3,876.4 | 5,641.6 | 4,706.5 | 10,272.0 |
| 1955 | 6,308.2 | 9,146.4 | 7,581.6 | 16,449.3 |

^a For product coverage, are Table D-10; for weights, Table D-8. Product coverage is the same for all indexes except the one with 1929 weights, which excludes beer.

^b Output assumed to remain the same as in preceding year for those products whose output has not been published (4 for 1956, 5 for 1957, and 8 for 1958).

TABLE D-8

Unit Value Weights Used in All Indexes of Industrial Production

| 1 | | | | | Soviet Union (rubles) | | | United States (dollars) | States ars) | |
|-----|---------------------------------------|--|---|--------------------------|-------------------------------|--|------------------|-------------------------|-------------------|-------------------|
| | Code | | Type of Weight ^a | 1913 | 1927/28 | 1955 | 1914 (4) | 1929 (5) | (9) | 1954 (7) |
| ł | I. Inter A. F 101 102 103 | I. Intermediate Industrial Products A. Ferrous metals Ol Pig iron O2 Rolled steel O3 Steel ingots and castings Steel ingots and castings | va/m.ton va/m.ton v/m.ton va/m.ton | 62.4 | 52.5 47.7 115.8 70.9 | 316 198 500 246 | 21.48 | 25.49 | 33.47 | 78.66 |
| 520 | B. F 202 203 204 | Nonferrous metals Copper Lead Zinc | v/m.ton v/m.ton v/m.ton | 1075.7 238.7 297.3 | 995 675 700 | 5,950 7,150 3,150 | 293 86 112 | 388 139 146 | 229 110 115 | 650 302 238 |
| | C. F | Fuel and electricity Electric power | v/kwb | | 0.0858 | 0.137 | | | | |
| | 301.1 302 | Hydroelectric power | v/kwh v/m.ton | 9.6 | 0.0486 | 0.082 | 0.02600 2.284 | 0.02045 5.758 | 0.01717 4.007 | 0.01398 9.395 |
| . • | 303 | Bituminous coal | v/m.ton | 7.7 | 9.8 | 77 | 1.286 | 1.963 | 2.034 | 4.971 |
| | 304 | Lignite | v/m.ton | 3.05 | 6.9 | 57 | 1.118 | 1.706 | 1.280 | 2.702 |
| • | 305 | Crude petroleum | v/m.ton | 25.9 | 28.7 | 52 | 5.80 | 9.14 | 7.36 | 19.88 |
| | 306 307 | Natural gas Oil shale | v/m³ v/m.ton | | 0.058 | $\begin{array}{c} 0.105 \\ 39.7 \end{array}$ | 0.00561 | 0.00763 | 0.00763 | 0.00356 |
| | 308 | Peat | v/m.ton | 4.9 | 8.8 | 34 | | | | |
| | 309 310 | Firewood Coal (total) | v/m³ v/m.ton | 2.46 6.10 | 5.7 | 34.9 | | | | |
| | D. (| Chemicals | | | | | | | | |
| | 401 | Soda ash | v/m.ton | 70.8 | 73 | 275 | 12.7 | 29.7 | 23.1 | 36.4 |
| • | 404 | Sulfuric acid | v/m.ton | 61 | 101.9 | 183 | 23.7 | 18.3 | 19.5 | 24.6 |

| 22.7 42.21 13.89 6.172 | 228.7 123.6 15.39 | 28.22 | 24.74 16.29 3.355 12.96 | 28.93 | 5.399 | 3.75 |
|---|---|---|--|--|--|---|
| 11.3 30.50 16.47 3.220 187 | 93.02 44.89 7.44 | 11.67 | 10.41 8.637 1.52 7.787 | 9.31 | 8.115 | 1.98 |
| 14.5 48.79 20.34 3.442 193 | 116.3 56.44 8.22 | 10.65 | 10.80 8.695 1.22 8.643 | 11.42 | 8.795 0.0974 | 2.54 |
| 11.2 59.19 21.80 3.459 130 | 70.00 38.25 13.20 | 6.12 | 6.13 5.411 1.55 4.326 | 5.95 | 12.43 0.0633 | 1.02 |
| 183 135 340 210 7,300 2,800 | 1,900 1,780 430 | 205 179 355 227 | 160 116 100 100 | 77 77 900 822 | 122 122 1,248 748 | 377 377 572 72 |
| 101.9 39.9 100 62.4 12 830 850 | 444 275 83 | 38 | 38 33 11 15.4 | 28.6 131.9 | 286.7 0.355 192 76 | 147 |
| 30.5 116.6 134.9 11.3 294.3 348 | 287.5 202.7 50.9 312.9 | 19.4 | 69.3 18.3 6.7 7.9 | 8 53.8 | 0.19 | 9 |
| v/m.ton v/m.ton v/m.ton v/m.ton v/m.ton v/m.ton | v/m.ton v/m.ton v/tire v/m.ton | v/thous. v/m.ton v/m.ton v/m.ton | v/thous. v/m.ton v/m.ton v/m.ton | v/m³ va/m³ v/m³ va/m³ | v/m.ton v/m² v/m.ton va/m.ton | v/tn.mes v/th.pieces v/m.ton va/m.ton |
| Sulfuric acid not used in phosphoric fertilizer Phosphoric fertilizer Ammonium sulfate Potash fertilizer Ground natural phosphate Red lead Zinc oxide | | Construction materials Bricks, red Bricks, fire-clay Bricks, magnesite Bricks, quartizite | stag Stag Cement Construction gypsum Construction lime | Industrial umber hauted Lumber Lumber Plywood | Magnesite metallurgical powder Roll roofing Roofing iron Roofing | Rooting utes Asbestos shingles Rails Rails |
| 404.1 405.1 405.2 406 410 411 | | 501 502 503 504 | 506 507 508 | 510 511 | 512 513 514 | 515 516 518 |

TABLE D-8 (continued)

| | |) (1) (2) | | Soviet Union (rubles) | - | | Unite (do | United States (dollars) | |
|--|---|--|-----------------------------|---|---|---------------------|---------------------|----------------------------|---------------------|
| Code | | 1ype oi Weight ^a | (1) | 1927/28 (2) | 1955 | 1914 (4) | 1929 | 1939 (6) | 1954 (7) |
| E. 519 | Construction materials (continued) Window glass | $^{ m V/m^2}$ | 0.98 | 2.65 | 0.9 | 0.469 | 0.694 | 0.551 | 0.932 |
| F. 601 602.1 604 605 | F. Materials of agricultural origin 1 Alcohol, crude 2.1 Cotton, ginned (consumption) 4 Leather, hard 5 Leather, soft | va/hectoliter va/m.ton l va/m.ton va/th.dcm² | 5.9 1,040 463 16.9 | 15.1 750 27 | 110 8,900 300 | 4.20 506 17.0 | 7.27 593 19.8 | 3.91 383 16.4 | 7.29 511 32.9 |
| G. 704 706 | G. Metallic minerals Fron ore Manganese ore | v/m.ton v/m.ton | | 5.5 13.1 | 29.2 70 | | | | |
| II. Pro A. 901 902 903 905 906 907 | II. Producer Durables A. Transportation equipment 901 Automobiles 902 Trucks and buses 903 Diesel and electric locomotives 904 Steam locomotives (main-line) 905 Railroad freight cars 906 Railroad passenger cars 907 Railroad cars, narrow-gauge 908 Street and subway cars | v/unit v/unit v/unit v/unit v/unit v/unit v/unit v/unit v/unit | | 10,800 11,258 235,000 100,100 5,450 16,400 1,700 7,800 | 12,100 14,150 1,040,000 890,000 36,500 245,700 10,500 | | | | |
| B. 1001 1002 1003 1004 1005 1006 | Agricultural machinery Tractors Plows, tractor-drawn Paring plows, tractor-drawn Plows, horse-drawn Harrows, tractor-drawn Harrows, tractor-drawn Cultivators, tractor-drawn | v/unit v/unit v/unit v/unit v/unit v/unit v/unit v/unit | | 5,352 135 190 21.5 92.7 20.9 | 16,000 2,225 3,075 350 2,300 1,700 | | | | |

| | (continued) | | D | |
|--------|-------------|------------|--|----------------|
| 56,200 | 56 | v/unit | D. Mining and industrial machinery Coal-mining combines | D. 1201 |
| 11.2 | 18.8 | v/kva | Power transformers | 1110 |
| 109 | 101.3 | v/kw | Electric motors—AC | 1109 |
| 108 | 99 | v/kw | Hydroelectric generators | 1108 |
| 40 | 24.3 | v/kw | Turbogenerators | 1107 |
| 245 | 176.4 | dų/v | engines | , |
| ı | | | Other internal combustion | 1106 |
| 357 | 192.5 | v/hp | Diesel engines | 1105 |
| 089 | 151.1 | v/hp | Locomobiles | 1104 |
| 87 | 34.3 | v/kw | Steam and gas turbines | 1103 |
| 120 | 46.9 | v/kw | Water turbines—capacity | 1102 |
| 181.4 | 103.4 | $ m v/m^2$ | Steam boilers—capacity | 1101 |
| | | nery | Prime movers and electrical machinery | Ö |
| ,455 | | v/unit | Chaff and silo cutters | ~ 1030 ~ |
| 950 | 130 | v/unit | Horse drivings | 6201 33 |
| 200 | 245 | v/unit | Winnowers, horse-drawn | |
| 4,925 | | v/unit | Grain-cleaning machines | 1027 |
| 650 | | v/unit | Threshers, horse-driven | 1026 |
| 6,055 | 2,272 6 | v/unit | Threshers, tractor-driven | 1025 |
| 695 | | v/unit | Rakers, horse-drawn | 1024 |
| 2,680 | | v/unit | Rakers, tractor-drawn | 1023 |
| 530 | 127.5 | v/unit | Haymowers, horse-drawn | 1022 |
| 5,050 | | v/unit | Haymowers, tractor-drawn | 1021 |
| ,700 | | v/unit | Cotton pickers | 1020 |
| 840 | 163.3 | v/unit | Reapers, horse-drawn | 1019 |
| 4,200 | 4 | v/unit | Windrowers | 1018 |
| ,400 | 14 | v/unit | Combines, all other | 1017 |
| ,500 | 20 | v/unit | Combines, grain | 1016 |
| 7,350 | 7 | v/unit | Machines for planting seedlings | 1014 |
| 400 | 4 | v/unit | Potato planters, tractor-drawn | 1013 |
| | 65 | v/unit | Combined plows and drills | 1011 |
| 000 | | v/unit | Drills, horse-drawn | 1010 |
| 2,000 | 243.3 | v/unit | Drills, tractor-drawn | 1009 |
| 170 | | v/unit | Cultivators, horse-drawn | 1008 |
| | | | | |

TABLE D-8 (continued)

| | |) 20 21 21 | | Soviet Union (rubles) | | | United States (dollars) | States 1rs) | † |
|--------|--|---------------------|-------------|--------------------------|--------|----------|-------------------------|----------------|----------|
| Code | | Type of Weighta | 1913 (1) | 1927/28 | 1955 | 1914 (4) | 1929 (5) | (6) | 1954 |
| D. | D. Mining and industrial machinery (continued) | (continued) | İ | | | | | | |
| 1202 | Coal-cutting machines | v/unit | | | 32,100 | | | | |
| 1203 | Electric mining locomotives | v/unit | | | 22,500 | | | | |
| 1204 | Ore-loading machines | v/unit | | | 59,700 | | | | |
| 1205 | Deep-shaft pumps | v/unit | | | 465 | | | | |
| 1206 | Turbodrills | vyunit | | | 13,000 | | | | |
| 1210 | Machine tools | v/unit | | 2,549 | 17,600 | | | | |
| 1211 | Electric furnaces | v/unit | | | 10,300 | | | | |
| 1212 | Spinning machines | v/unit | | 12,000 | 35,600 | | | | |
| 1213 | Winding machines | v/unit | | | 26,800 | | | | |
| 1214 | Looms | v/unit | | 006 | 7,400 | | | | |
| 1215 | Cotton-carding machines | v/unit | | 5,900 | 11,400 | | | | |
| 1216 | Knitting machines | v/unit | | 1,100 | 2,800 | | | | |
| 1217 | Leather-spreading machines | v/unit | | | 15,900 | | | | |
| 1218 | Leather-dressing machines | v/unit | | | 16,200 | | | | |
| 1219 | Typesetting machines, linotype | v/unit | | 10,700 | 31,000 | | | | |
| 1220 | Flat-bed printing presses | v/unit | | 8,500 | 70,000 | | | | |
| 1221 | Industrial sewing machines | v/unit | | 132 | 890 | | | | |
| 1222.1 | Presses | v/unit | | 400 | 3,100 | | | | |
| я | E. Construction and road building machinery | achinery | | | | | | | |
| 1301 | Excavators | v/unit | | 129,400 | 97,500 | | | | |
| 1302 | Trench excavators | v/unit | | 18,200 | 12,000 | | | | |
| 1303 | Stone crushers | v/unit | | 20,600 | 24,000 | | | | |
| 1304 | Road graders (ex. self- | | | 0 | | | | | |
| 1305 | propelled) Road graders self-propelled | v/unit | | 5,900 | 8,000 | | | | |
| 1306 | Concrete mixers | v/unit | | 3,500 | 3,400 | | | | |
| 1307 | Scrapers, tractor-driven | v/unit | | ` | 27,300 | | | | |

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| | 22.3 | 173 | | 80.2 | 325.0 | 5.627 | C.00 | | 57.1 | 0.0466 | 10.13 | 1.68 | 16.1 |
|---|--|-------------------------|---|-----------------------------|--------------------------|-------------------------------|---------------|---|------------------|-------------|---------------|---------------------------------|-------|
| | 14.4 | 82.5 | | 46.7 | 142.1 | 2.912 | 6.07 | | 36.3 | 0.0310 | 5.61 | 1.25 | 90.9 |
| | 17.9 | 143 68 6 | | 53.6 | 270.4 | 3.526 | 0.00 | | 39.7 | 0.0504 | i | 2.71 | 5.78 |
| | 12.1 | 79.4 | | 32.6 | 114.7 | 2.307 | 6:15 | | 21.7 | 0.0272 | 3.38 | 1.66 | 6.28 |
| 6,000 126,000 48,000 95,100 5,300 5,300 107.5 29 195 1,400 | 178 | 1,950 | 2,600 | 1,600 420 | 6,300 b | 34.20 | 2,025 | 825 | 627 | 0.50 | 9/ | Ξ | 43 |
| 34 29 35 400 500 | 21.3 | 429 120 | 606 | 120 103 | 289 370 | 7.2 | 246 | 184 | 104 | 0.0564 | 13.4 | F | 3.5 |
| | 13.05 | 171 80 4 | ; | 60.4 | 132 | 5.0 | 1.00 | | | 0.033 | 4.3 | 0.7 | 1.6 |
| v/unit | va/m.ton | | | va/m.ton va/m.ton | v/m.ton v/m.ton | v/m.ton | va/m.ton | va/m.ton | va/m.ton | va/can | va/hectoliter | va/thous. va/20-kg. | crate |
| Bulldozers Railroad cranes, steam Self-propelled cranes Overhead traveling cranes Tower cranes Electric elevators Other producer durables Telephones Switchboards, hand-operated Switchborads, automatic Calculating machines Typewriters | III. Consumer Goods A. Food and allied products 1501 Flour 1502 Manaroni | Butter Veretable oil | Oleomargarine Vegetable oil minus oleomar- | garine Meat slaughtering | Fish catch Soap (40%) | Salt Dong sugar commercion | Refined sugar | Raw sugar minus refined sugar and sugar in candy | Starch and syrup | Canned food | Beer | Cigarettes Low-grade tobacco | |
| 1308 1309 1310 1311 1312 1313 1401 1402 1403 1405 | III. Con A. 1 1501 1502 | 1503 1504 | 1504.1 1504.2 | 1506 | 1507 | 1509 | 1510.1 | 1510.2 | 1511 | 1513 | 1514 | 1515 1516 | |

TABLE D-8 (concluded)

| | Tyne of | | Soviet Union (rubles) | | | United (doll | United States (dollars) | |
|---|---|----------------------|---|---|--|-------------------------|----------------------------|----------------------------|
| | Weight | 1913 (1) | 1927/28 (2) | 1955 (3) | 1914 (4) | 1929 (5) | 1939 (6) | 1954 (7) |
| A. Food and allied products (continued) Matches Vodka (40%) Candy | ued) va/crate va/hectoliter va/m.ton | | 6.2 14 962 | 27 250 2,386 | | | | |
| B. Textiles and allied products Boots and shoes Rubber footwear Rubber footwear | va/pair v/pair va/pair | | 2.1 3.1 1.18 | 10.7 33 4.62 | | | | |
| Cotton fabrics Linen fabrics Silk and rayon fabrics | | 0.12 0.23 0.68 | 0.347 0.662 3.0 | 0.82 1.0 2.3 | $\begin{array}{c} 0.0221 \\ 0.0750 \\ 0.254 \end{array}$ | 0.0457 0.1983 0.398 | 0.0337 0.1478 0.0767 | 0.0772 0.3520 0.1428 |
| Woolen yarn Woolen and worsted fabrics Knitted goods | a . . | 2595.6 0.79 | 1.855 | 6.8 4.6 | 0.3604 | 0.6673 | 0.4974 | 0.9199 |
| Hosiery Felt footwear | va/pair va/pair | 0.62 | 5.2 | 1.2 63 | 1.10 | 1.70 | 1.03 | 5.04 |
| C. Consumer durables Bicycles Cameras Bectric light bulbs Phonographs Radios Household sewing machines Clocks and watches Motorcycles | v/unit | | 162.5 45 0.45 247 122 30.3 | 580 720 1.25 340 300 680 171.6 4.000 | | | | |

those including them (0.52 from retail sales of 501.9 bill. rubles as given in 226, 40, and turnover taxes of 242.4 bill. rubles as given in 141a, 799), times 0.9 to eliminate retailing mark-up. The amount a Where more than one weight is given, the unit value added was roofing iron, and rails (Table D-4). For 1913, it was used in the prerevolutionary index (Table D-5) in the case of rails; for 1928 and 1955, in the index for civilian finished products (Table D-2) in the case of rubber footwear. A complete list of weights used in the used in the indexes for all civilian products in the following cases: steel ingots and castings (Tables D-3 and D-4), lumber, plywood,

Unfortunately, it was then too late to undertake the massive and A-29). The adjusted price of 3,300 rubles was derived as ^b By error this price was not adjusted to exclude estimated turnover tax. The fact that this price was obviously too high was called to our attention by Naum Jasny in his review of the final draft. and of value added and ruble-dollar ratios used in comparisons follows: average retail price of 12,600 rubles (see source notes to this table) times ratio of commercial fish products excluding spoilage 14), times 1955 ratio of all retail sales excluding turnover taxes to recalculations required to correct the error. Fortunately, fish catch between the Soviet Union and the United States (see Tables A-26 has grown at about the same percentage pace as all foods and as all industrial materials, so that its overweighting does not materially affect the indexes in which it is involved. The price was corrected to 3,300 rubles in our computations of price indexes (see Table A-18) to fish catch (taken as 0.56, average over 1940 and 1959 from 300, indexes for all civilian products is given in Table D-9.

of turnover taxes eliminated may, of course, be too large or too small, depending on how the rate for fish products compares with the ^c By error the unit value of 200 rubles including turnover tax was used in the index for industrial materials. This error was not discovered until it was too late to make the necessary recalculations. It is not too serious as is shown by general correspondence of all indexes for industrial materials. = decimeter average for all products. dcm

= kilovolt-ampere kilowatt-hour = square meter = cubic meter = horsepower = metric ton = kilogram thous, or th. = thousand = kilowatt | m.ton kwh kva hр . . 3 m^2

= value added

Source and Description of Weights in Table D-8

Note: Unless otherwise stated, aggregate values were converted into unit values or vice versa on the basis of output as given in Appendixes B and E.

Derivation of 1913 Soviet Weights (col. 1)

| | Denound of | 1919 Soutet Weights (cot. 1) |
|-------|--|--|
| 103 | Steel ingots and castings | Price of rails (68.4 rubles/m. ton, 243, 644) times 1927/28 price ratio of steel to rails (see series 103 and 518, col. 2). |
| 202 | Conner | |
| 202 | Copper | 243, 644. Price. |
| 203 | Lead | 259, v. Price. |
| 204 | Zinc | 259, v. Price. |
| 302 | Anthracite | 234, 7 f. Median of 1914 prices for 15 kinds in the Donbas. |
| 303 | Bituminous coal | 234, 6 ff. Median of 1914 prices for 17 kinds in the Donbas. |
| 304 | Lignite | 28, 7. Price. |
| 305 | Crude petroleum | 259, 78. Avg. price for 2 kinds in Baku. |
| 308 | Peat | 28, 7. Price. |
| 309 | Firewood | 28, 17. Price. |
| | | |
| 310 | Coal (total) | Value (10, 91). Output is sum of series 302, 303, and 304. |
| 401 | Soda ash | <i>259</i> , 98. |
| 404 | | 28, 18. Price. |
| 405. | Phosphoric fertilizer | 28, 21. Price converted from 13% P ₂ O ₅ basis to 18.7% basis. |
| 405.2 | Ammonium sulfate | 259, v. Price. |
| 405.3 | Potash fertilizer | 259, v. Price. |
| 406 | Ground natural phosphate | 1927/28 unit value (col. 2) divided by price |
| | | index for mining industry (1913 = 100, 1928 = 106, 312, 1929, No. 6, 179). |
| 410 | Red lead | 243, 652. Avg. of monthly prices. |
| 411 | Zinc oxide | 243, 646. Price. |
| 416 | Paper | 28, 38. Avg. price for 36 kinds. |
| 417 | Paperboard | 28, 38. Avg. price for 10 kinds. |
| 418 | Motor vehicle tires | 1927/28 unit value (col. 2) divided by price index |
| | | for rubber industry (1913 = 100, 1928 = 163, 312, 1929, No. 6, 179). |
| 419 | White lead | 243, 646. Price. |
| 501 | Red bricks | 28, 6. Price. |
| 505 | Sand-lime, silica, and slag bricks | 28, 6. Price. |
| 506 | Cement | 28, 6. Avg. of prices for Portland and Roman cement. |
| 507 | Construction gypsum | 28, 6. Price. |
| 508 | Construction gypsum Construction lime | • |
| | | 28, 6. Price. |
| 510 | Lumber | 28, 44. Avg. of 12 prices for logs. |
| 511 | Plywood | 1927/28 unit value (col. 2) divided by price index for wood products industry (1913 = 100, 1928 = 245, 312, 1929, No. 6, 179). |
| 513 | Roll roofing | 234, 11. Price per 3 sazhen ² converted at 1 sazhen = 2.134 meters. |
| 518 | Rails | Price (68.4 rubles/ton, 243, 644) minus unit value of steel (see series 103). |
| 519 | Window glass | 1927/28 unit value (col. 2) divided by price index for glass industry (1913 = 100, 1928 = 271, 312, 1929, No. 6, 179). |

| 601 Ca | rude alcohol | Price (14 rubles/hectoliter, converted from data for 40% alcohol in vedros, 259) times 1927/28 ratio of unit value added (col. 2) to unit value (35.57 rubles/hectoliter, converted from data |
|---------------|---------------------------|--|
| 602.1 | Ginned cotton consumption | for 40% alcohol in vedros, 166, 294). Value added of cotton industry on Soviet territory (201, 192 f). Consumption is 325 th. m. tons, 363, 1940, No. 9, 78. |
| 604 H | ard leather | Price (1,759 rubles/m. ton, derived by dividing 1927/28 price, median of 28 prices in 400, 597 f, by price index for leather, 1913 = 100, 1927/28 = 162, 312, 1929, No. 6, 179) times 1927/28 ratio of unit value added (col. 2) to price. |
| 605 Sc | oft leather | Price (64.4 rubles/th. dcm², derived by dividing 1927/28 price, median of 22 prices in 400, 598, by price index for leather, 1913 = 100, 1927/28 = 162, 312, 1929, No. 6, 179) times 1927/28 ratio of unit value added (col. 2) to price. |
| 1501 F | Flour | Avg. unit value added of wheat and rye flour. Avg. price of wheat flour (28, 23 f) minus avg. price of wheat (28, 45). Avg. price of rye flour (28, 23 f) minus avg. price of rye (28, 45). |
| 1503 E | Butter | Price (28, 23) minus price of milk in butter (1,029 rubles/m. ton, derived from price of milk, 363, 1925, No. 11, 33, and no. of kg. of milk in 1 kg. of butter, derived as 21 from 37, vol. 3, 1290). |
| 1504 V | /egetable oil | Price of sunflower seed oil (28, 23) times 1927/28 ratio of unit value added (col. 2) to price (described in col. 2). |
| 1506 N | Meat slaughtering | Avg. of prices for beef and pork (28, 45) minus price of product marketed by agriculture (363, 1925, No. 11, 333). |
| 1507 F | Fish catch | 363, 1925, No. 11, 340. Price. |
| | Salt | Value (10). |
| 1510 F | Raw sugar consumption | Price (247, 71) times ratio of value added to gross value in food industry (201, 194). |
| 1513 C | Canned food | Price (0.149 rubles/can, derived by dividing 1927/28 avg. price weighted by product composition, 166, 74, by price index for food industry, 1913 = 100, 1927/28 = 169, 312, 1929, No. 6, 179) times 1927/28 ratio of unit value added (col. 2) to price. |
| 1514 B | Beer | Price (6.8 rubles/hectoliter, derived by dividing 1927/28 price, 166, 294, by price index for beer industry, 1913 = 100, 1927/28 = 313, 312, 1929, No. 6, 179) times 1927/28 ratio of unit value added (col. 2) to price. |
| 1515 C | Cigarettes | Price (1.50 rubles/th., derived by dividing 1927/28 price, 166, 294, by price index for tobacco industry, 1913 = 100, 1927/28 = 190, 312, 1929, No. 6, 179) times 1927/28 ratio of unit value added (col. 2) to price. |
| 1516 I | ow-grade tobacco | Price (5.10 rubles/crate, derived by dividing 1927/28 price, 166, 294, by price index for makhorka industry, 1913 = 100, 1927/28 = 223, |

(201, 195).

(201, 196).

1604 Cotton fabrics

1607

Linen fabrics

312, 1929, No. 6, 179) times 1927/28 ratio of

Avg. price for 6 kinds (28, 28 f) times ratio of value added to gross value in cotton industry

Avg. price for 15 kinds (28, 34 f) times ratio of value added to gross value in linen industry

unit value added (col. 2) to price.

| 1609 | Silk and rayon fabrics | (201, 196). Price (375, 1933, MarApr.) times ratio of value added to gross value in silk industry |
|-------|----------------------------|--|
| 1610 | Woolen yarn | (201, 195). Value of sales divided by volume of sales for 3 |
| 1010 | Woolen yarn | kinds (243, 243). |
| 1611 | Woolen and worsted fabrics | Avg. price for 9 kinds (28, 31 f) times ratio of value added to gross value in woolen industry (201, 195). |
| 1614 | Felt footwear | Avg. price for 2 kinds $(28, 37)$ minus price of felt used in shoes $(1.59 \text{ rubles/pair}, \text{ derived from price of felt, } 28, 31, and amount of felt used in one pair of shoes, avg. of 4\frac{1}{4} lbs., 28, 31).$ |
| | Derivation of 19 | 27/28 Soviet Weights (col. 2) |
| 101 | Pig iron | Weighted avg. price for JanSept. 1928 for conversion iron, foundry iron, spiegeleisen, and ferromanganese (577, 31, weighted by outputs in 222, 134) minus unit value of iron ore (see series 704). |
| 102 | Rolled steel | Value of rolled steel (output times avg. price of quality and ordinary rolled steel, 428, 5, the latter weighted by outputs derived from 222, 133) minus value of steel ingots and castings used in rolled steel (440.3 mill. rubles). The latter derived as value of ingots and castings (series 103) minus computed value of ingots not used in rolled steel (price assumed same as for foundry iron, 577, 82; output as steel ingots and castings minus rolled steel, derived from 222, 133). |
| 103 | Steel ingots and castings | Value of gross turnover of ferrous metallurgy (1286.7 mill. rubles, adjusted monthly data in 315, Oct. 1927-Sept. 1928) minus value of pig iron (weighted avg. price of pig iron described in series 101) and value of rolled steel (described in series 102). |
| | Steel ingots and castings | Unit value added. Value of steel ingots and castings (see series 103) minus value of pig iron (see series 101). |
| 202 | Copper | 388, 1928, No. 11, 64. Avg. of prices for Oct. 1927 and 1928 at Uralmed factory. |
| 203 | Lead | 388, 1928, No. 11, 64. Price for Oct. 1928 at Altaipolimetal and Anegar plants. |
| 204 | Zinc | 388, 1928, No. 11, 64. Price for Oct. 1928 at Anegar plant. |
| 301 | Electric power | Value of sales divided by volume of sales (186, II, 137). |
| 301.1 | Hydroelectric power | Value of sales divided by volume of sales to industrial consumers (186, II, 136). |
| 302 | Anthracite | 575, 58. Price. |
| | | 540 |
| | | |

| 303 Bituminous coal | Value of bituminous coal and anthracite (325, 856 th. rubles, Table C-2) minus value of anthracite (for price, see series 302). |
|---|---|
| 303.1 Coke | Unit value (17.4 rubles/m. ton, from value and output, 186, I, 12, 189) minus unit value of bituminous coal (see series 303). |
| 304 Lignite | Avg. of prices for K, O (186, I, 195), and RM (273, 720). |
| 305 Crude petroleum | Value and output (186, II, 56). |
| 306 Natural gas | 1955 unit value (col. 3) times ratio for crude petroleum unit value of 1927/28 to 1955 (series 305, cols. 2 and 3). |
| 307 Oil shale | Assumed same as for firewood (series 309). |
| 308 Peat | Value and output (186, II, 77). |
| 309 Firewood | 232, 6, Price for 1926/27. |
| 401 Soda ash 402 Caustic soda | 186, I, 68. Price for April 1928. Also, 273, 711. 186, I, 68. Price for April 1928. Also, 273, 711. |
| 404 Sulfuric acid | 273, 709. Price converted from 52% basis to 100% basis. |
| 404.1 Sulfuric acid not used in phosphoric fertilizer | Same as sulfuric acid. |
| 405.1 Phosphoric fertilizer | 388, 1928, No. 11, 65. Price f.o.b. station sender converted into 18.7% P ₂ O. Given as rubles/100 kg., but assumed to be rubles/m. ton. |
| 405.2 Ammonium sulfate | Planned value and planned output for 1932/33 in 1927/28 prices (400, 1931, No. 2, 126). |
| 405.3 Potash fertilizer | Planned value and planned output for 1932/33 in 1927/28 prices (400, 1931, No. 2, 126). Reduced from 100% to 41.6% K₂O content. |
| 406 Ground natural phosphate | 1955 price (col. 3) times ratio for phosphoric fertilizer price of 1927/28 to 1955 (series 405.1, cols. 2 and 3). |
| 410 Red lead | 273, 701. Price. |
| 411 Zinc oxide | 273, 701. Price. |
| 412 Synthetic dyes | Weighted avg. price of azo, sulfur, and nigrosin dyes (6,170, 1,078, and 3,950 rubles/m. ton, |
| | respectively; outputs from 222, 177). Price of azo dyes is weighted avg. of substantive, acid, and basic azo dyes (median prices in 273, 707; outputs in 215, 171). Price of sulfur dyes is weighted avg. of black and color sulfur dyes (median prices in 273, 707; outputs in 215, 171). Price of nigrosin dyes is median of prices in 273, 707. |
| 416 Paper | azo dyes is weighted avg. of substantive, acid, and basic azo dyes (median prices in 273, 707; outputs in 215, 171). Price of sulfur dyes is weighted avg. of black and color sulfur dyes (median prices in 273, 707; outputs in 215, 171). Price of nigrosin dyes is median of prices in 273, 707. 370, 1929, No. 8, 54. Weighted avg. price. |
| 417 Paperboard | azo dyes is weighted avg. of substantive, acid, and basic azo dyes (median prices in 273, 707; outputs in 215, 171). Price of sulfur dyes is weighted avg. of black and color sulfur dyes (median prices in 273, 707; outputs in 215, 171). Price of nigrosin dyes is median of prices in 273, 707. 370, 1929, No. 8, 54. Weighted avg. price. 370, 1929, No. 8, 54. Weighted avg. price. |
| 417 Paperboard 418 Motor vehicle tires | azo dyes is weighted avg. of substantive, acid, and basic azo dyes (median prices in 273, 707; outputs in 215, 171). Price of sulfur dyes is weighted avg. of black and color sulfur dyes (median prices in 273, 707; outputs in 215, 171). Price of nigrosin dyes is median of prices in 273, 707. 370, 1929, No. 8, 54. Weighted avg. price. 370, 1929, No. 8, 54. Weighted avg. price. First quartile of prices for 33 types (273, 448 f). |
| 417 Paperboard | azo dyes is weighted avg. of substantive, acid, and basic azo dyes (median prices in 273, 707; outputs in 215, 171). Price of sulfur dyes is weighted avg. of black and color sulfur dyes (median prices in 273, 707; outputs in 215, 171). Price of nigrosin dyes is median of prices in 273, 707. 370, 1929, No. 8, 54. Weighted avg. price. 370, 1929, No. 8, 54. Weighted avg. price. |
| 417 Paperboard 418 Motor vehicle tires 501 Red bricks 505 Sand-lime, silica, and slag bricks 506 Cement | azo dyes is weighted avg. of substantive, acid, and basic azo dyes (median prices in 273, 707; outputs in 215, 171). Price of sulfur dyes is weighted avg. of black and color sulfur dyes (median prices in 273, 707; outputs in 215, 171). Price of nigrosin dyes is median of prices in 273, 707. 370, 1929, No. 8, 54. Weighted avg. price. 370, 1929, No. 8, 54. Weighted avg. price. First quartile of prices for 33 types (273, 448 f). 273, 553. Price. 273, 552. Price. 388, 1929, No. 11, 66. Avg. price. |
| 417 Paperboard 418 Motor vehicle tires 501 Red bricks 505 Sand-lime, silica, and slag bricks 506 Cement 507 Construction gypsum | azo dyes is weighted avg. of substantive, acid, and basic azo dyes (median prices in 273, 707; outputs in 215, 171). Price of sulfur dyes is weighted avg. of black and color sulfur dyes (median prices in 273, 707; outputs in 215, 171). Price of nigrosin dyes is median of prices in 273, 707. 370, 1929, No. 8, 54. Weighted avg. price. 370, 1929, No. 8, 54. Weighted avg. price. First quartile of prices for 33 types (273, 448 f). 273, 553. Price. 273, 552. Price. 388, 1929, No. 11, 66. Avg. price. 388, 553. Price. |
| 417 Paperboard 418 Motor vehicle tires 501 Red bricks 505 Sand-lime, silica, and slag bricks 506 Cement 507 Construction gypsum 508 Construction lime | azo dyes is weighted avg. of substantive, acid, and basic azo dyes (median prices in 273, 707; outputs in 215, 171). Price of sulfur dyes is weighted avg. of black and color sulfur dyes (median prices in 273, 707; outputs in 215, 171). Price of nigrosin dyes is median of prices in 273, 707. 370, 1929, No. 8, 54. Weighted avg. price. 370, 1929, No. 8, 54. Weighted avg. price. First quartile of prices for 33 types (273, 448 f). 273, 553. Price. 273, 552. Price. 388, 1929, No. 11, 66. Avg. price. 388, 553. Price. 273, 553. Avg. of 4 prices. |
| 417 Paperboard 418 Motor vehicle tires 501 Red bricks 505 Sand-lime, silica, and slag bricks 506 Cement 507 Construction gypsum | azo dyes is weighted avg. of substantive, acid, and basic azo dyes (median prices in 273, 707; outputs in 215, 171). Price of sulfur dyes is weighted avg. of black and color sulfur dyes (median prices in 273, 707; outputs in 215, 171). Price of nigrosin dyes is median of prices in 273, 707. 370, 1929, No. 8, 54. Weighted avg. price. 370, 1929, No. 8, 54. Weighted avg. price. First quartile of prices for 33 types (273, 448 f). 273, 553. Price. 273, 552. Price. 388, 1929, No. 11, 66. Avg. price. 388, 553. Price. 273, 553. Avg. of 4 prices. 232, 6. Median of prices for 13 types of industrial |
| 417 Paperboard 418 Motor vehicle tires 501 Red bricks 505 Sand-lime, silica, and slag bricks 506 Cement 507 Construction gypsum 508 Construction lime | azo dyes is weighted avg. of substantive, acid, and basic azo dyes (median prices in 273, 707; outputs in 215, 171). Price of sulfur dyes is weighted avg. of black and color sulfur dyes (median prices in 273, 707; outputs in 215, 171). Price of nigrosin dyes is median of prices in 273, 707. 370, 1929, No. 8, 54. Weighted avg. price. 370, 1929, No. 8, 54. Weighted avg. price. First quartile of prices for 33 types (273, 448 f). 273, 553. Price. 273, 552. Price. 388, 1929, No. 11, 66. Avg. price. 388, 553. Price. 273, 553. Avg. of 4 prices. |

| 512 513 | Magnesite metallurgical powder Roll roofing | plywood (185, 233 f) times price index (1926/27 = 100, 1927/28 = 95.4, derived from 388, 1928, No. 11, 66) minus 1926/27 value of lumber in 1927/28 prices (for unit value, see series 510; for output, 185, 233). 273, 551. Price. Weighted avg. price of rubberoid, pergamin, and tarpaper roofing, and tarpaper subroofing. Median prices for each in 273, 549. Outputs of each (186, 105) converted from rolls into m² by factors derived from data for 1935 in 149, 94 f, and 393, 1937, No. 3, 3 (for details, see 567, Part 3, notes to series 723.1). |
|------------|--|--|
| 514 | Roofing iron Roofing iron | 430, 28. Price for roofing and pickled iron. Unit value added. Unit value of roofing iron minus unit value of steel ingots and castings (see series 103). |
| 516 | Asbestos shingles | Value and output (186, II, 105). |
| 518 | Rails | 430, 28. Price. |
| | Rails | Unit value added. Unit value of rails minus unit |
| 519 | Window glass | value of steel ingots and castings (see series 103). 273, 531. Derived from median price for case containing 11 m ² of first-quality ordinary glass. |
| 601 | Crude alcohol (100%) | Price (35.57 rubles/hectoliter, converted from data for 40% alcohol in vedros, 166, 294) times ratio of value added to value of crude alcohol. The former derived as value added of alcohol and vodka (164,741 th. rubles in Table C-2) minus value added of vodka (output times unit value added, for which see series 1518). The latter derived as value of alcohol and vodka (362,711 th. rubles in Table C-2) minus value of vodka (output times price, for which see 1518). |
| 604 | Hard leather | Median of prices for 28 kinds of 2nd sort (273, 597 f) times ratio of unit value added to unit value for all leather. Value and value added of all leather: 581,221 and 152,980 th. rubles in Table C-2. |
| 605 | Soft leather | Median of prices for 22 kinds (273, 598) times ratio of unit value added to unit value for all leather (see series 604). |
| 704 | Iron ore | Value and output (186, I, 234). |
| 706 | Manganese ore | Weighted avg. cost derived from data in 200, 100 ff. |
| 901 | Automobiles | 1927/28 price of 1½-ton truck (9,200 rubles) times 1937 ratio of avg. price of GAZ-A and M-1 (236, 7) to price of 1½-ton truck (236, 7). 1927/28 price of 1½-ton truck derived from value of all trucks (for unit value, see series 902), outputs of trucks of 1½ tons and of over 4 tons (222, 165), and 1937 ratio of price of 1½-ton trucks to price of trucks over 4 tons (236, 7). |
| 902 | Trucks and buses | Value and output of trucks only (monthly data, 315, Oct. 1927-Sept. 1928) since no buses were |
| 903 | Diesel and electric locomotives | produced in 1927/28. Assumed to be double the price of freight locomotives S.O. (118,700 rubles), approximate |
| | | |

1945 ratio (526, 52 f). Price of S.O. derived

| | | as 1927/28 price of freight locomotive E. (526, 7) times 1949 price ratio of S.O. to E. (526, 55). |
|------------|-------------------------------|--|
| 904 | Steam locomotives | Weighted avg. price of locomotives E. (94,900 rubles, 526, 7), O.V. (79,100), M. (79,100), and S.U. (116,600). Outputs in 222, 163. Prices of O.V. and M. derived as 1927/28 price of E. times 1949 price ratio of N. (assumed to be same as prices of O.V. and M.) to E. (526, 55). Price of S.U. derived as 1927/28 price of E. times 1949 price ratio of |
| 905 | Railroad freight cars | S.U. to E. (526, 55). Weighted avg. price of 2-axle flat cars, 2- and 4-axle box cars (370, 1929, No. 19, 59), and tank cars (11,520 rubles). Outputs in 222, 163 f. Price of tank cars is weighted avg. of prices of 2-axle tank cars (price of 2-axle flat cars times 1937 price ratio of 2-axle tank cars to 2-axle flat cars, 526, 24) and 4-axle tank cars (price of 4-axle box cars times 1937 price ratio of |
| 906 | Railroad passenger cars | 4-axle tank cars to 4-axle box cars, 526, 24). Weighted avg. price of 2- and 4-axle long-distance cars (370, 1929, No. 19, 61). Outputs in 222, 164 (suburban cars counted as 2-axle long-distance cars). |
| 907 | Narrow-gauge railroad cars | Price of 2-axle flat cars (series 905) times 1937 price ratio of narrow-gauge flat cars with brakes to standard-gauge 2-axle flat cars (236, 9). |
| 908 | Street and subway cars | Price of 4-axle long-distance cars (series 906) times 1913 price ratio of street cars to 3rd class passenger cars (28, 12). |
| 1001 | Tractors | Value and output (186, I, 261). |
| 1002 | | Price of horse-drawn plows (series 1004) times 1955 price ratio of tractor-drawn (col. 3) to horse-drawn plows (series 1004, col. 3). |
| 1003 | 3 Paring plows, tractor-drawn | Price of horse-drawn plows (series 1004) times 1955 price ratio of tractor-drawn paring plows (col. 3) to horse-drawn plows (series 1004, col. 3). |
| 1004 | Plows, horse-drawn | Median of prices for 3 types (273, 499 f). |
| 100 | | Median of prices for 8 imported disk types (273, 790). |
| 1000 | | Median of prices for 32 types (273, 500 f). |
| 100 | | 273, 790. Price of imported type. Median of prices for 19 imported types (273, 790 f). |
| 100 | 9 Drills, tractor-drawn | 273, 791. Price of imported type. |
| 101 | • | Median of prices for 27 types (273, 501). |
| 101 | | Median of prices for 7 types (273, 502). |
| 101 | 9 Reapers, horse-drawn | Weighted avg. of median prices for nonraking and self-raking types (273, 502). Outputs in 222, 162. |
| 102 | | Median of prices for 12 imported types (273, 793). |
| 102 | | Avg. of prices for 2 types (273, 502). |
| 102 102 | , | Median of prices for 7 imported types (273, 794). Median of prices for 23 imported types (59, 786). |
| 102 | 2 Incomers, tractor-drawn | 1. Locatan of prices for 25 imported types (39, 700). |

| 1026 1028 | Threshers, horse-drawn Winnowers, horse-drawn | Median of prices for 14 types (273, 502 f). Assumed same price as for horse-driven threshers (series 1020). |
|---------------|--|--|
| 1029 1101 | Horse drivings Steam boilers (capacity) | 273, 504. Price for no. 1 × 2. Price per boiler (11,156 rubles) divided by avg. capacity per boiler (calculated as 107.9 m ² from 222, 154). Price is linear interpolation (based on rated capacities) of prices for boilers of 100 and 120 m ² capacities (273, 235) with pressure of 12 atmospheres, assuming avg. capacity of 107.9 m ² . |
| 1102 1103 | Water turbines (capacity) Steam and gas turbines (capacity) | 525, 137. Unit value (72,133 rubles, derived from monthly values and outputs in 315, Oct. 1927-Sept. 1928) divided by avg. capacity per unit (calculated as 2,100 kw from 222, 154). |
| 1104 | Locomobiles (capacity) | Unit value (12,190 rubles, derived from monthly values and outputs in 315, Oct. 1927-Sept. 1928) divided by avg. capacity per unit (calculated as 80.66 hp from 222, 154). |
| 1105 | Diesel engines (capacity) | Unit value (37,250 rubles, derived from monthly values and outputs in 315, Oct. 1927-Sept. 1928) divided by avg. capacity per unit (calculated as 193.53 hp from 222, 154, and 312, 1929, No. 2, 158. |
| 1106 | Other internal combustion engines (capacity) | Unit value (2,572 rubles, derived from monthly values and outputs in 315, Oct. 1927-Sept. 1928) divided by avg. capacity per unit (calculated as 14.58 hp from 222, 154). |
| 1107 1108 | Turbogenerators (capacity) Hydroelectric generators (capacity) | Value and output (186, II, 134). Unit value for turbogenerators (series 1107) times 1955 price ratio of hydroelectric generators in 1955 (col. 3) to turbogenerators (series 1107, col. 3). |
| 1109 | Electric motors, A.C. (capacity) | Unit value (791 rubles, derived from value and output in 186, II, 134) divided by avg. capacity per unit (calculated as 7.81 kw from 221, 45). |
| 1110 | Power transformers (capacity) | Unit value (2,509 rubles, derived from value and output in 186, II, 134) divided by avg. capacity per unit (calculated as 133.3 kva from 222, 155). |
| 1210 | Machine tools | Sum of monthly values divided by sum of monthly outputs (315, Oct. 1927–Sept. 1928). |
| 1212 | Spinning machines | 273, 362. Midpoint of range of prices for 5 types. |
| 1214 1215 | Looms Cotton-carding machines | 273, 362. Median of prices for 4 types. Sum of monthly values divided by sum of monthly outputs, both for carding machines (315, Oct. 1927-Sept. 1928). |
| 1216 1219 | Knitting machines Typesetting machines, | 273, 365. Midpoint of range of prices. 273, 341. Median of prices for 6 types. |
| 1220 | linotype Flat-bed printing presses | <i>273</i> , 341. |
| 1221 | Industrial sewing machines | 273, 369. Median of prices for 6 types. |
| 1222. 1301 | 1 Presses Excavators | 237, 171. Median of prices (item 280). Rounded. Unweighted avg. price of single-bucket (132,500 rubles) and multiple-bucket excavators (126,300 rubles). The latter are derived from 1955 prices (86,000 rubles for single-bucket, median |
| | | 544 |

of 13 prices in 235, II, 3 f; and 82,000 rubles for multiple-bucket, median of 11 prices in 235, II, 10 f) divided by ratio (0.649) of 1955 to 1927/28 price for single-bucket internal combustion caterpillar excavators with capacity of 0.35 m². The ratio derived from relation of 1955 and 1949 prices (235, II, 10 f, and 527,

| | | 20) and price index for road-building and construction machinery (1937 = 100, 1927/28 = 83.8, 1949 = 120.8, 527, Table IV). |
|------|-----------------------------|---|
| 1302 | Trench excavators | 1955 price (col. 3) divided by ratio of 1955 to 1927/28 price (derived as 0.649 in series 1301). |
| 1303 | Stone crushers | 1955 price (13,400 rubles, price for combined crushers in 235, II, 24) divided by ratio of 1955 to 1927/28 price (derived as 0.649 in series 1301). |
| 1304 | Road graders | Weighted avg. price of medium (7,100 rubles) and light (5,800 rubles) road graders. Outputs from 222, 166. Price of medium graders derived from price of heavy graders (9,300 rubles) times 1955 price ratio of medium to heavy graders (calculated as 0.7619 from 235, II, 20). 1927/28 price of heavy graders derived from 1937 price (11,100 rubles in 527, 20) times price index for road-building machinery (1937 = 100, 1927/28 = 83.8, 527, Table IV, 20). Price of light graders derived from 1927/28 price of medium graders above times U.S. price ratio of light to medium graders (calculated as 0.82 from 467, 103). |
| 1306 | Concrete mixers | 273, 380. Midpoint of range of prices. |
| 1401 | Telephones | Avg. price of wall (no. 1145T) and table (no. 1405) hand-operated telephones (237, 110). No automatic telephones produced in 1927/28. |
| 1402 | Switchboards, hand-operated | Value (186, II, 135) and output (222, 165). |
| 1403 | Switchboards, automatic | 237, 101. Price of 21,000 rubles given for exchange with 600 lines. |
| 1405 | Calculating machines | 273, 443. Avg. price of 2 makes of 13-digit calculating machines. |
| 1406 | Typewriters | 237, 18. Median of prices including delivery for 25 types. |
| 1501 | Flour | Value added from Table C-2. |
| 1502 | Macaroni | Avg. price (365 rubles/m. ton) presumably weighted by 1932 planned assortment (166, 294) minus value per unit of flour (109 rubles/m. ton, value from Table C-2). |
| 1503 | Butter | Price (2,145 rubles/m. ton) minus price of milk in butter (1,716 rubles/m. ton, from price of milk, 388, 1929, No. 5, 29, and no. of liters of milk per kg. of butter in 1913, 138, 90). Price of butter derived from 1926/27 price (2,000 rubles/m. ton, 233, 37) times ratio of 1926/27 to 1927/28 prices (calculated as 1.0727 from 388, 1929, No. 5, 29). |
| 1504 | Vegetable oil | Price (411 rubles/m. ton) times ratio of value added to value (0.992, from Table C-2). Price derived from 1927/28. Avg. price for 1932 planned product composition (414.38 rubles/m. |

| ton, 166, 294) times ratio of avg. cost weighted by 1927/28 output mix to avg. cost weighted by 1927/28 output mix to avg. cost weighted by 1927/28 output mix to avg. cost weighted by 1922 planned mix (0.992, from 166, 69, 294). Price (1,200 rubles/m. ton, assumed same as in 1926/27, 233, 41) minus difference between price and unit value added of vegetable oil (see series 1504). Same as for vegetable oil (series 1504). Same as for vegetable oil (series 1504). Same as for vegetable oil (series 1504). Price (827 rubles/m. ton) times 1934 ratio of wages to total cost in meat industry (0.125, 222, 34). Price derived from 1926/27 price and rubles/m. ton, 0 times ratio of 1927/28 to 1926/27 price and rubles/m. ton, 0 times ratio of 1927/28 to 1926/27 price and rubles/m. ton, 0 times ratio of 1927/28 to 1926/27 price and rubles/m. ton, 0 times ratio of 1927/28 to 1926/27 price and rubles/m. ton, 0 times ratio of 1927/28 to 1926/27 price and rubles/m. ton, 0 times ratio of 1927/28 to 1926/27 price and rubles/m. ton, 186, 69, 294. 1507 Fish catch 1508 Soap (40%) 1508 Soap (40%) 1509 Salt 1510 Refined sugar 1510.1 Refined sugar 1510.2 Raw sugar minus refined sugar and sugar in candy 1510.2 Raw sugar minus refined sugar and sugar in candy 1510.2 Raw sugar minus refined sugar and sugar in candy 1510.3 Starch and syrup 1510.4 Refined sugar 1510.5 Canned food 1511 Starch and syrup 1512 Starch and syrup 1513 Canned food 1514 Beer 1515 Canned food 1516 Canned food 1517 Matches 1518 Vodka (40%) 1518 Vodka (40%) 1519 Matches 1510 Matches 1510 Matches 1510 Matches 1511 Matches 1511 Matches 1512 Matches 1513 Canned food 1514 Matches 1515 Vodka (40%) | | |
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| by 1927/28 output mix to avg. cost weighted by 1932 planned mix (0.992, from 166, 69, 294). Price (1,200 rubles/m. ton, assumed same as in 1926/27, 233, 41) minus difference between price and unit value added of vegetable oil (see series 1504). Same as for vegetable oil (series 1504). Same as for vegetable oil (series 1504). Price (827 rubles/m. ton) times 1934 ratio of wages to total cost in meat industry (0.125, 222, 34). Price derived from 1926/27 price 480 rubles/m. ton) times ratio of 1927/28 to 1926/27 for avg. price of product marketed by agriculture (0.984, from 388, 1929, No. 5, 29). 1926/27 price derived from 1926/27 price of beef (800 rubles/m. ton, 233, 11) times 1926/27 ratio of avg. price of product marketed by agriculture to avg. price of beef (1.05, from 388, 1929, No. 5, 29). 1508 Soap (40%) 1509 Salt 1510.1 Refined sugar 1510.2 Raw sugar minus refined sugar and sugar in candy 1511 Starch and syrup 1510.2 Raw sugar minus refined sugar and sugar in candy 1511 Starch and syrup 1510.3 Canned food 1511 Starch and syrup 1512 Canned food 1513 Canned food 1514 Beer 1515 Cigarettes 1516 Low-grade tobacco 1516 Low-grade tobacco 1517 Matches 1518 Vodka (40%) 1518 Vodka (40%) 1519 Matches 1510 Matches 1510 Low-grade tobacco 1511 Matches 1511 Universal patent and product composition (16, 294) times ratio of value added to value of large-scale industry (0.224, 215, 216). 1516 Price (21.3 rubles/hectoliter, converted from vedros, 166, 294) times ratio of value added to value of large-scale industry (0.628 from 166, 294) times 1926/27 ratio of value added to value of large-scale industry (0.628 from 166, 294) times 1926/27 ratio of value added to value of large-scale industry (0.628 from 166, 294) times 1926/27 refer of call and ustry in 192 | | ton, 166, 294) times ratio of avg. cost weighted |
| 1504.1 Oleomargarine 1504.2 Vegetable oil minus oleomargarine 1506 Meat slaughtering 1507 Fish catch 1508 Soap (40%) 1509 Salt 1500 Raw sugar consumption 1500 Salt 1510 Raw sugar consumption 1510.1 Refined sugar 1510.2 Raw sugar minus refined sugar and sugar in candy 1510.3 Canned food 1511 Starch and syrup 1510 Starch a | | |
| 1926/27, 233, 41) minus difference between price and unit value added of vegetable oil (see series 1504). 1504.2 Vegetable oil minus oleomargarine 1506 Meat slaughtering Price (827 rubles/m. ton) times 1934 ratio of wages to total cost in meat industry (0.125, 222, 34). Price derived from 1926/27 price 840 rubles/m. ton) times ratio of 1927/28 to 1926/27 for avg. price of product marketed by agriculture (0.984, from 388, 1929, No. 5, 29). 1926/27 price of beef (800 rubles/m. ton) 233, 11) times 1926/27 price of beef (800 rubles/m. ton, 233, 11) times 1926/27 ratio of avg. price of perduct marketed by agriculture to avg. price of beef (1.05, from 388, 1929, No. 5, 29). 196, 69, 599 minus cost of raw materials (118 rubles/m. ton, 186, 69, 559) minus cost of raw materials (118 rubles/m. ton, 186, 69, 559) minus cost of raw materials (118 rubles/m. ton, 186, 553). Same as for raw sugar (series 1510). Same as for raw materials (118 rubles/m. ton, 186, 553). Same as for raw sugar (series 1510). Same as for raw sugar (series 151 | | by 1932 planned mix (0.992, from 166, 69, 294). |
| price and unit value added of vegetable oil (see series 1504). Same as for vegetable oil (series 1504). Meat slaughtering Price (827 rubles/m. ton) times 1934 ratio of wages to total cost in meat industry (0.125, 222, 34). Price derived from 1926/27 price 840 rubles/m. ton) times ratio of 1927/28 to 1926/27 for avg. price of product marketed by agriculture (0.984, from 388, 1929, No. 5, 29). 1926/27 price of wages of total cost in meat industry (0.125, 222, 34). Price derived from 1926/27 price of beef (800 rubles/m. ton, 1936, 11) times 1926/27 ratio of avg. price of product marketed by agriculture to avg. price of beef (1.05, from 388, 1929, No. 5, 29). 1508 Soap (40%) 1509 Salt 1510. Refined sugar 1510. Refined sugar 1510. Refined sugar minus refined sugar and sugar in candy 1511 Starch and syrup 1512 Raw sugar minus refined sugar and sugar in candy 1513 Starch and syrup 1514 Beer 1515 Canned food 1516 Canned food 1517 Canned food 1518 Canned food 1518 Canned food 1519 Canned food 1510 Low-grade tobacco 1510 Low-grade tobacco 1511 Matches 1511 Matches 1512 Vodka (40%) 1513 Matches 1514 Matches 1515 Vodka (40%) 1515 Matches 1516 Low-grade tobacco 1517 Matches 1518 Vodka (40%) 1518 Vodka (40%) 1519 Price (21.3 rubles/hectoliter, converted from vedros, 166, 294) times ratio of value added to value of barer industry (0.628 from 166, 294) times 1926/27 ratio of value added to value of large-scale industry (0.7472, from 48). 1517 Matches 1518 Uvodka (40%) 1519 Price (11.4 rubles/crate, 166, 294) times ratio of value added to value of large-scale makhorka industry in 1926/27 refer for crude and output in 186, 577) minus price of crude | 1504.1 Oleomargarine | |
| Same as for vegetable oil (series 1504). | | |
| Same as for vegetable oil (series 1504). Same as for vegetable oil (series 1504). Same as for vegetable oil (series 1504). Price (827 rubles/m. ton) times 1934 ratio of wages to total cost in meat industry (0.125, 222, 34). Price derived from 1926/27 price 840 rubles/m. ton) times ratio of 1927/28 to 1926/27 for avg. price of product marketed by agriculture (0.984, from 388, 1929, No. 5, 29). 1926/27 price derived from 1926/27 price of beef (800 rubles/m. ton, 233, 11) times 1926/27 ratio of avg. price of product marketed by agriculture to avg. price of product marketed by 1932 planned assortment. Same as for vegetable // Price derived from 1926/27 price of beef (800 rubles/m. ton, 286, 1926), 1926/27 price of product marketed by 1932 planned mix of avg. price of product marketed by 1926/27 price of product composition (319 rubles/m. ton, 186, 69, 559) minus cost of raw materials (118 rubles/m. ton, 186, 593). Same as for vegetable vegetable for avg. price of product marketed by 1826/27 price of product marketed by 1826/27 price of product composition (318 rubles/m. ton, 186, 553). Same as for vegetable | | |
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| Price (315 rubles/m. ton) times ratio of value added to value of starch and syrup industry (0.33 from Table C-2). Price derived from avg. price for 1932 planned product composition (319 rubles/m. ton, 166, 294) times ratio of avg. cost weighted by 1927/28 output mix to that weighted by 1932 planned mix (0.9866, from 166, 220). Avg. price weighted by output mix (0.252 rubles/can, 166, 74) times 1934 ratio of wages to total cost in canned food industry (0.224, 215, 216). Price (21.3 rubles/hectoliter, converted from vedros, 166, 294) times ratio of value added to value of beer industry (0.628 from Table C-2). Price (2.75 rubles/thous., f.o.b. receiving station, 166, 294) times 1926/27 ratio of value added to value of large-scale industry (0.472, from 48). Price (11.4 rubles/crate, 166, 294) times ratio of value added to value of large-scale makhorka industry in 1926/27 (0.31, from 48). 1517 Matches 1518 Vodka (40%) Unit value (28.24 rubles/hectoliter, value and output in 186, 577) minus price of crude | | Same as for raw sugar (series 1510). |
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| (0.33 from Table C-2). Price derived from avg. price for 1932 planned product composition (319 rubles/m. ton, 166, 294) times ratio of avg. cost weighted by 1927/28 output mix to that weighted by 1932 planned mix (0.9866, from 166, 220). 1513 Canned food Avg. price weighted by output mix (0.252 rubles/can, 166, 74) times 1934 ratio of wages to total cost in canned food industry (0.224, 215, 216). 1514 Beer Price (21.3 rubles/hectoliter, converted from vedros, 166, 294) times ratio of value added to value of beer industry (0.628 from Table C-2). 1515 Cigarettes Price (2.75 rubles/thous., f.o.b. receiving station, 166, 294) times 1926/27 ratio of value added to value of large-scale industry (0.472, from 48). 1516 Low-grade tobacco Price (11.4 rubles/crate, 166, 294) times ratio of value added to value added to value of large-scale makhorka industry in 1926/27 (0.31, from 48). 1517 Matches 186, 69. Price for April 1928. Unit value (28.24 rubles/hectoliter, value and output in 186, 577) minus price of crude | 1311 Staren and syrup | |
| tion (319 rubles/m. ton, 166, 294) times ratio of avg. cost weighted by 1927/28 output mix to that weighted by 1927/28 output mix (0.9866, from 166, 220). 1513 Canned food Avg. price weighted by output mix (0.252 rubles/can, 166, 74) times 1934 ratio of wages to total cost in canned food industry (0.224, 215, 216). 1514 Beer Price (21.3 rubles/hectoliter, converted from vedros, 166, 294) times ratio of value added to value of beer industry (0.628 from Table C-2). 1515 Cigarettes Price (2.75 rubles/thous., f.o.b. receiving station, 166, 294) times 1926/27 ratio of value added to value of large-scale industry (0.472, from 48). 1516 Low-grade tobacco Price (11.4 rubles/crate, 166, 294) times ratio of value added to value of large-scale makhorka industry in 1926/27 (0.31, from 48). 1517 Matches 186, 69. Price for April 1928. Unit value (28.24 rubles/hectoliter, value and output in 186, 577) minus price of crude | | |
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| to that weighted by 1932 planned mix (0.9866, from 166, 220). Avg. price weighted by output mix (0.252 rubles/can, 166, 74) times 1934 ratio of wages to total cost in canned food industry (0.224, 215, 216). Price (21.3 rubles/hectoliter, converted from vedros, 166, 294) times ratio of value added to value of beer industry (0.628 from Table C-2). Price (2.75 rubles/thous., f.o.b. receiving station, 166, 294) times 1926/27 ratio of value added to value of large-scale industry (0.472, from 48). Price (11.4 rubles/crate, 166, 294) times ratio of value added to value added to value of large-scale makhorka industry in 1926/27 (0.31, from 48). 1517 Matches 186, 69. Price for April 1928. Unit value (28.24 rubles/hectoliter, value and output in 186, 577) minus price of crude | | |
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| industry in 1926/27 (0.31, from 48). 1517 Matches 1518 Vodka (40%) Unit value (28.24 rubles/hectoliter, value and output in 186, 577) minus price of crude | 1516 Low-grade tobacco | |
| 1517 Matches 1518 Vodka (40%) 1518 Vodka (40%) 1519 Vodka (40%) 1510 Unit value (28.24 rubles/hectoliter, value and output in 186, 577) minus price of crude | | |
| 1518 Vodka (40%) Unit value (28.24 rubles/hectoliter, value and output in 186, 577) minus price of crude | 1517 Matches | |
| | | Unit value (28.24 rubles/hectoliter, value and |
| 546 | | output in 186, 577) minus price of crude |
| | | 546 |

| | | alcohol (14.23 rubles/hectoliter, converted from vedros, 166, 294). |
|--------------|---------------------------------------|--|
| 1519 | Candy | Price (1580 rubles/m. ton) times ratio of unit value added to price of raw sugar (see series 1510). Price of candy assumed to be 112% of price of all confectionery (1,407 rubles/m. ton, 166, 294). |
| 1601 | Boots and shoes | Value added (Table C-2). |
| 1602 | | Value and output (103, 494 f). |
| | Rubber footwear | Unit value (see series 1602) times 1932 ratio of wages to total cost in rubber industry (0.381, 215, 174). |
| 1604 | Cotton fabrics | Value added of cotton industry including ginning (Table C-2). |
| 160 <i>7</i> | Linen fabrics | Value added of linen industry including primary processing (Table C-2). Output taken as 175.3 mill. m ² from outputs for 1927 and 1928. |
| 1609 | · · · · · · · · · · · · · · · · · · · | Value added of silk industry (Table C-2). |
| 1611 | | Value added of woolen industry including washing (Table C-2). |
| 1614 | Felt footwear | Price of women's gray felt shoes in Yaroslav region (7 rubles/pair, 273, 609) times ratio of value added to value for felt industry (0.743, from Table C-2). |
| 1701 | Bicycles | Avg. price presumably including delivery (175 rubles/bicycle, 237, 143) minus value of 2 tires (4.4 rubles/tire, 273, 449) and 2 inner tubes (1.85 rubles/inner tube, 273, 443). |
| 1702 | | 273, 437 f. Median of prices for 4 types. |
| 1703 | | Value and output (186, 134). |
| 1704 | Phonographs | Price of bicycle including tires (175 rubles/bicycle, 237, 143) times 1937 price ratio of phonographs PT-3 to bicycles (1.412, from 443, 11). |
| 1705 | Radios | 273, 205. Median of prices for 4 types. |
| 1707 | Household sewing machines | Value and output (sums of monthly data in 315, Oct. 1927–Sept. 1928). |
| 1709 | Motorcycles | 237, 143. Median of prices, presumably including delivery, for 9 types. |
| | Derivation o | f 1955 Soviet Weights (col. 3) |
| 101 | Pig iron | Weighted avg. price (345 rubles/m. ton) of conversion iron, foundry iron, ferromanganese, ferrosilicon, and spiegeleisen (576, 31, weighted by outputs in 180, 109) minus price of iron ore |
| 102 | Rolled steel | (see series 704). Price (731 rubles/m. ton) times 1927/28 ratio of |
| - 04 | | unit value added to unit value (0.271, see series 102, col. 2). Price is avg. of quality steel (1,173 rubles/m. ton) and ordinary steel (604 rubles/m. ton), weighted by outputs (180, 110). Price of quality steel is weighted price of carbon, alloyed, and spring engineering steel; carbon, alloyed, and high-speed tool steel; special and dynamo steel; and cold rolled steel (576, 30, weighted by outputs in 72, 21 ff). Price of ordinary steel is weighted avg. of |

prices in col. 3 below, weighted by output (180, 110):

1950 Ratio of

| | | icatio oi | |
|--------------------|----------|-----------|----------|
| | | Weighted | |
| | Un- | | |
| | weighted | to Un- | Weighted |
| | 1955 | weighted | 1955 |
| | Price | Price | Price |
| | (1) | (2) | (3) |
| a. Steel rims | 722 | 0.892 | 644 |
| b. Steel wire rods | 559 | 1.101 | 616 |
| c. Steel beams | | | |
| and channels | 6 | | |
| (girders) | 525 | 0.981 | 515 |
| d. Rails | 566 | 1.01 | 572 |
| e. Steel bars | 542 | 1.093 | 592 |
| Rounds | 542 | | |
| Squares | 534 | | |
| Equal-leg | | | |
| angles | 551 | | |
| L-bars | 542 | | |
| f. Steel sheets | | | 642 |
| Plate | 552 | 1.08 | 596 |
| Thin sheet | 653 | 1.101 | 719 |

Col. 1: 576, 29; price for e is unweighted avg. of subgroups.

Col. 2: Ratio of weighted avg. price to unweighted avg. price (derived from 430, 28, 55).

Col. 3: Col. 1 times col. 2 prices. Price for f is avg. of 2 subgroups weighted by 1950 planned percentage distribution of output (12, 33).

Value of steel not used in rolled steel (3,823.8 mill. rubles; output of steel ingots and castings minus output of rolled steel; price assumed same as for foundry iron, 576, 31) plus value of steel used in rolled steel (18,835.7 mill. rubles; output of rolled steel; 1955 price of rolled steel minus unit value added of rolled steel, series 102).

Unit value added. Value (derived above) minus value of pig iron (for price, see series 101).

576, 35. Price.

235, I, v. Median of prices for 6 kinds.

235, I, v. Median of prices for 6 kinds.

Avg. cost to power station (0.0938 rubles/kwh, 576, 48) times 1941 planned ratio of selling price to cost (1.464, derived from 1941 planned production and value, 505, 11, and cost in 1941, 72, 570).

Assumed 60% of unit value of electric power (series 301).

235, I, 691 f. Median of prices for 8 kinds.

Value of all coal (29,034.5 mill. rubles; output, 180, 144; price 74.2 rubles/m. ton) minus value of lignite (6,532.2 mill. rubles from price in

103 Steel ingots and castings

Steel ingots and castings

202 Copper 203 Lead

204 Zinc

301 Electric power

301.1 Hydroelectric power

302 Anthracite

303 Bituminous coal

series 304 and output) and of anthracite (5,958.4 mill. rubles from price in series 302 and output). Price of all coal is weighted avg. for Moscow, Donets, Georgia, other regions of European Russia, Urals, Kuznets, Karaganda, other regions of Central Asia, Eastern Siberia, and the Far East (mostly medians in 235, I, 691 ff; weighted by outputs mostly in 180, 142).

Median of prices for 63 kinds and grades (174 rubles/m. ton in 235, I. 696 ff) times 1927/28 ratio of unit value added to unit value (series 303.1, col. 2).

235, I, 692 f. Median of 38 prices.

Value derived from as 3,684 mill. rubles from output in conventional tons (180, 133) and price per conventional ton (36.4 rubles/ton). The latter derived from value of a conven. ton of coal (93.4 rubles/ton, from output in conven. tons, 180, 133, and value of all coal, series 303) times cost ratio for a conven. ton of petroleum to coal (0.3895, from index in 410, 1956, No. 1, 23).

Value derived as 940.2 mill. rubles from output in conven. tons (180, 133) and price per conven. ton (82.47 rubles/ton). The latter derived from price of a conven. ton of coal (93.4 rubles/ton, series 305) times cost ratio for a conven. ton of natural gas to coal (0.883, from index in 410, 1956, No. 1, 23).

Weighted avg. of median prices for Estonia, Leningrad, and Volga region (prices in 235, I, 696, and outputs in 180, 166).

Weighted avg. of medians of zonal prices for milled peat and lump peat (235, I, 700). For weighting, 61% of all peat is taken as milled (395, 1956, No. 2, 4).

576, 52. Price for 1956.

576, 56. Price.

576, 56. Price.

576, I, 687. Price converted from 75% basis to 100% basis.

Same as for sulfuric acid.

Price of sulfuric acid (see series 404) times 1939 cost ratio of phosphoric fertilizer to sulfuric acid (0.749, from 318, May 12, 1939).

1927/28 price (see series 405.2, col. 2) times phosphoric fertilizer price ratio of 1955 to 1927/28 (3.4, see series 405.1).

1927/28 price (see series 405.3, col. 2) times phosphoric fertilizer price ratio of 1955 to 1927/28 (3.4, see series 405.1).

Price of phosphoric fertilizer (see series 405.1) times 1934 cost ratio of ground natural phosphate to phosphoric fertilizer (0.31 from adjusted data in 351, 1935, No. 5, 38).

235, I, 678. Price.

303.1 Coke

304 Lignite

305 Crude petroleum

306 Natural gas

307 Oil shale

308 Peat

309 Firewood

401 Soda ash

402 Caustic soda

404 Sulfuric acid

404.1 Sulfuric acid not used in phosphoric fertilizer

405.1 Phosphoric fertilizer

405.2 Ammonium sulfate

405.3 Potash fertilizer

406 Ground natural phosphate

410 Red lead

| 411 | Zinc oxide | 235, I, 678. Avg. price for 2 types. |
|---|-----------------------------|--|
| 416 | Paper | 235, I, 859 ff. Median of prices for 68 kinds. |
| 417 | Paperboard | 235, I, 862. Median of prices for 21 kinds. |
| | Tuperbourd | For waterproof paperboard and electric in- |
| | | sulated paperboard, only the median price for |
| | | |
| 410 | 3.6 | each group was taken. |
| 418 | Motor vehicle tires | 235, I, 808 f. Median of 60 prices. |
| 501 | Red bricks | 235, I, 9 ff. Median of 143 prices for brand |
| | | no. 75. |
| 502 | Fire-clay bricks | 235, I, 18. Median of 6 prices for first and |
| | | second quality. |
| 503 | Magnesite bricks | 235, I, 26 ff. Median of 72 prices for first and |
| | | second quality. |
| 504 | Quartzite bricks | 235, I, 24. Median of prices for 3 types. |
| 505 | Sand-lime, silica, and slag | 235, I, 12 f. Median of 33 prices for brand 100. |
| | bricks | |
| 506 | Cement | Weighted avg. price of Portland (avg. of Port- |
| | | land 300 and 400), Portland slag, puzzuolana, |
| | | and all other cements (assumed to have same |
| | | price as Portland 500). All prices in 576, 72, |
| | | and outputs in 180, 278. |
| 507 | Construction gypsum | 235, I, 4 f. Median of 57 prices for second |
| | 3,1 | quality. |
| 508 | Construction lime | 235, I, 5 ff. Median of 110 prices for second |
| ••• | 30 | quality. |
| 509 | Industrial timber hauled | Assumed to have same price as structural timber |
| • | | in 1956 (<i>576</i> , 52). |
| 510 | Lumber | 576, 52. Price for 1956. |
| 0.0 | Lumber | Unit value added. Price of lumber minus price |
| | | of timber (series 509). |
| 511 | Plywood | 576, 52. Price for 1956. |
| 011 | Plywood | Unit value added. Price of plywood minus price |
| | 11, 11000 | of timber (series 509). |
| 512 | Magnesite powder | 235, I, 31. Median of 3 prices. |
| 513 | Roll roofing | Weighted avg. of median prices for rubberoid, |
| 313 | Kon roomig | pergamin, and tarpaper roofing and tarpaper |
| | | subroofing for zone 1 (235, I, 83 f). Outputs |
| | | (180, 301) given for first 2 separately and for |
| | | second 2 together; the latter broken down |
| | | according to output of rubberoid and pergamin |
| | | roofing. |
| 514 | Roofing iron | Unweighted avg. price (1,337 rubles/m. ton, 576, |
| 0.1 | Account non | 29) times 1950 ratio of weighted to unweighted |
| | | avg. price (0.9333, 430, 28, 78). |
| | Roofing iron | Unit value added. Price (series 514) minus |
| | 2001111g 11011 | price of steel ingots and castings (see series 103). |
| 515 | Roofing tiles | Weighted avg. of median prices for each republic. |
| 313 | Rooming thes | Prices in 235, III, 387-514, and outputs in |
| | | 180, 307 ff. |
| 516 | Asbestos shingles | 235, I, 48. Price for ordinary unpainted shingles |
| 010 | | for zone 1. |
| 518 | Rails | Unweighted avg. price (566 rubles/m. ton, 576, |
| -10 | | 29) times 1950 ratio of weighted to unweighted |
| | | avg. price (1.01, 430, 28, 58). |
| | Rails | Unit value added. Price of rails minus price of |
| | _ | steel ingots and castings (see series 103). |
| 519 | Window glass | 235, I, 35. Zone I price for first quality 2-mm. |
| - • • | | glass sheets from 0.4 to 1 m ² . |
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| 27/10 Care to the control of the con |

| 1006 | Harrows, horse-drawn | Assumed to be same as price of horse-drawn plows (series 1004). |
|--|--|---|
| 1007 | Cultivators, tractor-drawn | 235, III, 161 f. Median of prices for 11 types. |
| | • | |
| 1008 | Cultivators, horse-drawn | 235, III, 162. Median of prices for 3 types. |
| 1009 | Drills, tractor-drawn | 235, III, 163. Median of prices for first 5 types. |
| 1010 | Drills, horse-drawn | 235, III, 163. Price of grain drills. |
| 1013 | Potato planters, tractor- | 235, III, 164. Price. |
| 1013 | | 255, 111, 104. Tricc. |
| | drawn | 005 777 100 1 0 0 |
| 1014 | Machines for planting | 235, III, 163. Avg. price for 2 types. |
| | seedlings | |
| 1016 | Grain combines | 235, III, 165. Avg. price for 2 types. |
| 1017 | All other combines | Weighted avg. price of beet-harvesting, corn- |
| 1017 | 7 III other combines | |
| | | harvesting, potato-harvesting, and silage- |
| | | harvesting combines (235, III, 165 ff). Out- |
| | | puts in $180, 230$. |
| 1018 | Windrowers | 235, III, 166. Price. |
| 1019 | Reapers, horse-drawn | 235, III, 166. Price for self-raking horse-drawn |
| 1013 | icapers, noise-drawn | |
| | ~ | reapers. |
| 1020 | Cotton pickers | 235, III, 168. Price. |
| 1021 | Haymowers tractor-drawn | 235, III, 164. Median of prices for 4 types. |
| 1022 | Haymowers horse-drawn | 235, III, 164. Price. |
| 1023 | Rakers, tractor-drawn | 235, III, 164. Avg. price. |
| 1024 | Rakers, horse-drawn | |
| | • | 235, III, 164. Avg. price. |
| 1025 | Threshers, tractor-driven | 235, III, 167. Avg. price for 2 complex and |
| | | semicomplex threshers. |
| 1026 | Threshers, horse-driven | Price of tractor-driven threshers (see series 1025) |
| | | times 1927/28 price ratio of horse-driven to |
| | | tractor-driven threshers (see series 1025 and |
| | | 1026, col. 2). |
| | | |
| 1097 | Crain cleaning machines | 225 III 166 Avg price |
| 1027 | Grain-cleaning machines | 235, III, 166. Avg. price. |
| 1028 | Winnowers, horse-drawn | 235, III, 166. Price. |
| 1028 1029 | | 235, III, 166. Price. 235, III, 166. Price. |
| 1028 | Winnowers, horse-drawn | 235, III, 166. Price. 235, III, 166. Price. |
| 1028 1029 1030 | Winnowers, horse-drawn Horse drivings Chaff and silo cutters | 235, III, 166. Price. 235, III, 166. Price. 235, III, 168. Avg. price. |
| 1028 1029 | Winnowers, horse-drawn Horse drivings | 235, III, 166. Price. 235, III, 166. Price. 235, III, 168. Avg. price. Median of prices for 3 types (29,200 rubles, |
| 1028 1029 1030 | Winnowers, horse-drawn Horse drivings Chaff and silo cutters | 235, III, 166. Price. 235, III, 166. Price. 235, III, 168. Avg. price. Median of prices for 3 types (29,200 rubles, 235, II, 939) divided by corresponding capacity |
| 1028 1029 1030 1101 | Winnowers, horse-drawn Horse drivings Chaff and silo cutters Steam boilers (capacity) | 235, III, 166. Price. 235, III, 166. Price. 235, III, 168. Avg. price. Median of prices for 3 types (29,200 rubles, 235, II, 939) divided by corresponding capacity (161 m², 235, II, 939). |
| 1028 1029 1030 | Winnowers, horse-drawn Horse drivings Chaff and silo cutters | 235, III, 166. Price. 235, III, 166. Price. 235, III, 168. Avg. price. Median of prices for 3 types (29,200 rubles, 235, II, 939) divided by corresponding capacity (161 m², 235, II, 939). Price of steam turbines (see series 1103) times |
| 1028 1029 1030 1101 | Winnowers, horse-drawn Horse drivings Chaff and silo cutters Steam boilers (capacity) | 235, III, 166. Price. 235, III, 166. Price. 235, III, 168. Avg. price. Median of prices for 3 types (29,200 rubles, 235, II, 939) divided by corresponding capacity (161 m², 235, II, 939). Price of steam turbines (see series 1103) times 1927/28 price ratio of water turbines to steam |
| 1028 1029 1030 1101 | Winnowers, horse-drawn Horse drivings Chaff and silo cutters Steam boilers (capacity) | 235, III, 166. Price. 235, III, 166. Price. 235, III, 168. Avg. price. Median of prices for 3 types (29,200 rubles, 235, II, 939) divided by corresponding capacity (161 m², 235, II, 939). Price of steam turbines (see series 1103) times |
| 1028 1029 1030 1101 | Winnowers, horse-drawn Horse drivings Chaff and silo cutters Steam boilers (capacity) | 235, III, 166. Price. 235, III, 166. Price. 235, III, 168. Avg. price. Median of prices for 3 types (29,200 rubles, 235, II, 939) divided by corresponding capacity (161 m², 235, II, 939). Price of steam turbines (see series 1103) times 1927/28 price ratio of water turbines to steam |
| 1028 1029 1030 1101 | Winnowers, horse-drawn Horse drivings Chaff and silo cutters Steam boilers (capacity) Water turbines (capacity) | 235, III, 166. Price. 235, III, 166. Price. 235, III, 168. Avg. price. Median of prices for 3 types (29,200 rubles, 235, II, 939) divided by corresponding capacity (161 m², 235, II, 939). Price of steam turbines (see series 1103) times 1927/28 price ratio of water turbines to steam turbines (1.37, from series 1102 and 1103, col. 2). |
| 1028 1029 1030 1101 | Winnowers, horse-drawn Horse drivings Chaff and silo cutters Steam boilers (capacity) Water turbines (capacity) Steam and gas turbines | 235, III, 166. Price. 235, III, 166. Price. 235, III, 168. Avg. price. Median of prices for 3 types (29,200 rubles, 235, II, 939) divided by corresponding capacity (161 m², 235, II, 939). Price of steam turbines (see series 1103) times 1927/28 price ratio of water turbines to steam turbines (1.37, from series 1102 and 1103, col. 2). Weighted avg. of median prices of turbines of |
| 1028 1029 1030 1101 | Winnowers, horse-drawn Horse drivings Chaff and silo cutters Steam boilers (capacity) Water turbines (capacity) | 235, III, 166. Price. 235, III, 166. Price. 235, III, 168. Avg. price. Median of prices for 3 types (29,200 rubles, 235, II, 939) divided by corresponding capacity (161 m², 235, II, 939). Price of steam turbines (see series 1103) times 1927/28 price ratio of water turbines to steam turbines (1.37, from series 1102 and 1103, col. 2). Weighted avg. of median prices of turbines of 100,000 kw and over, 500,000 kw, 25,000- |
| 1028 1029 1030 1101 | Winnowers, horse-drawn Horse drivings Chaff and silo cutters Steam boilers (capacity) Water turbines (capacity) Steam and gas turbines | 235, III, 166. Price. 235, III, 166. Price. 235, III, 168. Avg. price. Median of prices for 3 types (29,200 rubles, 235, II, 939) divided by corresponding capacity (161 m², 235, II, 939). Price of steam turbines (see series 1103) times 1927/28 price ratio of water turbines to steam turbines (1.37, from series 1102 and 1103, col. 2). Weighted avg. of median prices of turbines of 100,000 kw and over, 500,000 kw, 25,000-49,000 kw, and up to 25,000 kw (235, II, |
| 1028 1029 1030 1101 1102 | Winnowers, horse-drawn Horse drivings Chaff and silo cutters Steam boilers (capacity) Water turbines (capacity) Steam and gas turbines (capacity) | 235, III, 166. Price. 235, III, 166. Price. 235, III, 168. Avg. price. Median of prices for 3 types (29,200 rubles, 235, II, 939) divided by corresponding capacity (161 m², 235, II, 939). Price of steam turbines (see series 1103) times 1927/28 price ratio of water turbines to steam turbines (1.37, from series 1102 and 1103, col. 2). Weighted avg. of median prices of turbines of 100,000 kw and over, 500,000 kw, 25,000-49,000 kw, and up to 25,000 kw (235, II, 1072 f). Outputs in 180, 216. |
| 1028 1029 1030 1101 | Winnowers, horse-drawn Horse drivings Chaff and silo cutters Steam boilers (capacity) Water turbines (capacity) Steam and gas turbines (capacity) | 235, III, 166. Price. 235, III, 166. Price. 235, III, 168. Avg. price. Median of prices for 3 types (29,200 rubles, 235, II, 939) divided by corresponding capacity (161 m², 235, II, 939). Price of steam turbines (see series 1103) times 1927/28 price ratio of water turbines to steam turbines (1.37, from series 1102 and 1103, col. 2). Weighted avg. of median prices of turbines of 100,000 kw and over, 500,000 kw, 25,000-49,000 kw, and up to 25,000 kw (235, II, 1072 f). Outputs in 180, 216. Median of prices for 11 types of locomobiles |
| 1028 1029 1030 1101 1102 | Winnowers, horse-drawn Horse drivings Chaff and silo cutters Steam boilers (capacity) Water turbines (capacity) Steam and gas turbines (capacity) | 235, III, 166. Price. 235, III, 168. Avg. price. 235, III, 168. Avg. price. Median of prices for 3 types (29,200 rubles, 235, II, 939) divided by corresponding capacity (161 m², 235, II, 939). Price of steam turbines (see series 1103) times 1927/28 price ratio of water turbines to steam turbines (1.37, from series 1102 and 1103, col. 2). Weighted avg. of median prices of turbines of 100,000 kw and over, 500,000 kw, 25,000-49,000 kw, and up to 25,000 kw (235, II, 1072f). Outputs in 180, 216. Median of prices for 11 types of locomobiles (85,000 rubles, 235, II, 991 ff) divided by |
| 1028 1029 1030 1101 1102 | Winnowers, horse-drawn Horse drivings Chaff and silo cutters Steam boilers (capacity) Water turbines (capacity) Steam and gas turbines (capacity) Locomobiles (capacity) | 235, III, 166. Price. 235, III, 166. Price. 235, III, 168. Avg. price. Median of prices for 3 types (29,200 rubles, 235, II, 939) divided by corresponding capacity (161 m², 235, II, 939). Price of steam turbines (see series 1103) times 1927/28 price ratio of water turbines to steam turbines (1.37, from series 1102 and 1103, col. 2). Weighted avg. of median prices of turbines of 100,000 kw and over, 500,000 kw, 25,000-49,000 kw, and up to 25,000 kw (235, II, 1072 f). Outputs in 180, 216. Median of prices for 11 types of locomobiles |
| 1028 1029 1030 1101 1102 | Winnowers, horse-drawn Horse drivings Chaff and silo cutters Steam boilers (capacity) Water turbines (capacity) Steam and gas turbines (capacity) | 235, III, 166. Price. 235, III, 168. Avg. price. 235, III, 168. Avg. price. Median of prices for 3 types (29,200 rubles, 235, II, 939) divided by corresponding capacity (161 m², 235, II, 939). Price of steam turbines (see series 1103) times 1927/28 price ratio of water turbines to steam turbines (1.37, from series 1102 and 1103, col. 2). Weighted avg. of median prices of turbines of 100,000 kw and over, 500,000 kw, 25,000-49,000 kw, and up to 25,000 kw (235, II, 1072f). Outputs in 180, 216. Median of prices for 11 types of locomobiles (85,000 rubles, 235, II, 991 ff) divided by corresponding capacity (125 hp, 235, II, 939). |
| 1028 1029 1030 1101 1102 1103 | Winnowers, horse-drawn Horse drivings Chaff and silo cutters Steam boilers (capacity) Water turbines (capacity) Steam and gas turbines (capacity) Locomobiles (capacity) | 235, III, 166. Price. 235, III, 168. Avg. price. 235, III, 168. Avg. price. Median of prices for 3 types (29,200 rubles, 235, II, 939) divided by corresponding capacity (161 m², 235, II, 939). Price of steam turbines (see series 1103) times 1927/28 price ratio of water turbines to steam turbines (1.37, from series 1102 and 1103, col. 2). Weighted avg. of median prices of turbines of 100,000 kw and over, 500,000 kw, 25,000-49,000 kw, and up to 25,000 kw (235, II, 1072 f). Outputs in 180, 216. Median of prices for 11 types of locomobiles (85,000 rubles, 235, II, 991 ff) divided by corresponding capacity (125 hp, 235, II, 939). Median of prices for 14 types (214,000 rubles, |
| 1028 1029 1030 1101 1102 1103 | Winnowers, horse-drawn Horse drivings Chaff and silo cutters Steam boilers (capacity) Water turbines (capacity) Steam and gas turbines (capacity) Locomobiles (capacity) | 235, III, 166. Price. 235, III, 168. Avg. price. Median of prices for 3 types (29,200 rubles, 235, II, 939) divided by corresponding capacity (161 m², 235, II, 939). Price of steam turbines (see series 1103) times 1927/28 price ratio of water turbines to steam turbines (1.37, from series 1102 and 1103, col. 2). Weighted avg. of median prices of turbines of 100,000 kw and over, 500,000 kw, 25,000-49,000 kw, and up to 25,000 kw (235, II, 1072 f). Outputs in 180, 216. Median of prices for 11 types of locomobiles (85,000 rubles, 235, II, 991 ff) divided by corresponding capacity (125 hp, 235, II, 939). Median of prices for 14 types (214,000 rubles, 235, II, 983) divided by corresponding capacity |
| 1028 1029 1030 1101 1102 1103 1104 1105 | Winnowers, horse-drawn Horse drivings Chaff and silo cutters Steam boilers (capacity) Water turbines (capacity) Steam and gas turbines (capacity) Locomobiles (capacity) Diesel engines (capacity) | 235, III, 166. Price. 235, III, 168. Avg. price. 235, III, 168. Avg. price. Median of prices for 3 types (29,200 rubles, 235, II, 939) divided by corresponding capacity (161 m², 235, II, 939). Price of steam turbines (see series 1103) times 1927/28 price ratio of water turbines to steam turbines (1.37, from series 1102 and 1103, col. 2). Weighted avg. of median prices of turbines of 100,000 kw and over, 500,000 kw, 25,000-49,000 kw, and up to 25,000 kw (235, II, 1072 f). Outputs in 180, 216. Median of prices for 11 types of locomobiles (85,000 rubles, 235, II, 991 ff) divided by corresponding capacity (125 hp, 235, II, 939). Median of prices for 14 types (214,000 rubles, 235, II, 983) divided by corresponding capacity (600 hp, 235, II, 983). |
| 1028 1029 1030 1101 1102 1103 | Winnowers, horse-drawn Horse drivings Chaff and silo cutters Steam boilers (capacity) Water turbines (capacity) Steam and gas turbines (capacity) Locomobiles (capacity) Diesel engines (capacity) Other internal combustion | 235, III, 166. Price. 235, III, 168. Avg. price. Median of prices for 3 types (29,200 rubles, 235, II, 939) divided by corresponding capacity (161 m², 235, II, 939). Price of steam turbines (see series 1103) times 1927/28 price ratio of water turbines to steam turbines (1.37, from series 1102 and 1103, col. 2). Weighted avg. of median prices of turbines of 100,000 kw and over, 500,000 kw, 25,000-49,000 kw, and up to 25,000 kw (235, II, 1072 f). Outputs in 180, 216. Median of prices for 11 types of locomobiles (85,000 rubles, 235, II, 991 ff) divided by corresponding capacity (125 hp, 235, II, 939). Median of prices for 14 types (214,000 rubles, 235, II, 983) divided by corresponding capacity (600 hp, 235, II, 983). Price (5,400 rubles, 235, II, 989) divided by |
| 1028 1029 1030 1101 1102 1103 1104 1105 1106 | Winnowers, horse-drawn Horse drivings Chaff and silo cutters Steam boilers (capacity) Water turbines (capacity) Steam and gas turbines (capacity) Locomobiles (capacity) Diesel engines (capacity) Other internal combustion engines (capacity) | 235, III, 166. Price. 235, III, 166. Price. 235, III, 168. Avg. price. Median of prices for 3 types (29,200 rubles, 235, II, 939) divided by corresponding capacity (161 m², 235, II, 939). Price of steam turbines (see series 1103) times 1927/28 price ratio of water turbines to steam turbines (1.37, from series 1102 and 1103, col. 2). Weighted avg. of median prices of turbines of 100,000 kw and over, 500,000 kw, 25,000-49,000 kw, and up to 25,000 kw (235, II, 1072 f). Outputs in 180, 216. Median of prices for 11 types of locomobiles (85,000 rubles, 235, II, 991 ff) divided by corresponding capacity (125 hp, 235, II, 939). Median of prices for 14 types (214,000 rubles, 235, II, 983) divided by corresponding capacity (600 hp, 235, II, 983). Price (5,400 rubles, 235, II, 989) divided by capacity (22 hp, 235, II, 989). |
| 1028 1029 1030 1101 1102 1103 1104 1105 | Winnowers, horse-drawn Horse drivings Chaff and silo cutters Steam boilers (capacity) Water turbines (capacity) Steam and gas turbines (capacity) Locomobiles (capacity) Diesel engines (capacity) Other internal combustion | 235, III, 166. Price. 235, III, 166. Price. 235, III, 168. Avg. price. Median of prices for 3 types (29,200 rubles, 235, II, 939) divided by corresponding capacity (161 m², 235, II, 939). Price of steam turbines (see series 1103) times 1927/28 price ratio of water turbines to steam turbines (1.37, from series 1102 and 1103, col. 2). Weighted avg. of median prices of turbines of 100,000 kw and over, 500,000 kw, 25,000-49,000 kw, and up to 25,000 kw (235, II, 1072 f). Outputs in 180, 216. Median of prices for 11 types of locomobiles (85,000 rubles, 235, II, 991 ff) divided by corresponding capacity (125 hp, 235, II, 939). Median of prices for 14 types (214,000 rubles, 235, II, 983) divided by corresponding capacity (600 hp, 235, II, 983). Price (5,400 rubles, 235, II, 989) divided by capacity (22 hp, 235, II, 989). Price of largest turbogenerator (481,000 rubles, |
| 1028 1029 1030 1101 1102 1103 1104 1105 1106 | Winnowers, horse-drawn Horse drivings Chaff and silo cutters Steam boilers (capacity) Water turbines (capacity) Steam and gas turbines (capacity) Locomobiles (capacity) Diesel engines (capacity) Other internal combustion engines (capacity) | 235, III, 166. Price. 235, III, 168. Avg. price. Median of prices for 3 types (29,200 rubles, 235, II, 939) divided by corresponding capacity (161 m², 235, II, 939). Price of steam turbines (see series 1103) times 1927/28 price ratio of water turbines to steam turbines (1.37, from series 1102 and 1103, col. 2). Weighted avg. of median prices of turbines of 100,000 kw and over, 500,000 kw, 25,000-49,000 kw, and up to 25,000 kw (235, II, 1072 f). Outputs in 180, 216. Median of prices for 11 types of locomobiles (85,000 rubles, 235, II, 991 ff) divided by corresponding capacity (125 hp, 235, II, 939). Median of prices for 14 types (214,000 rubles, 235, II, 983) divided by corresponding capacity (600 hp, 235, II, 983). Price (5,400 rubles, 235, II, 989) divided by capacity (22 hp, 235, II, 989). Price of largest turbogenerator (481,000 rubles, 235, II, 533) divided by its capacity (12,000 kw, |
| 1028 1029 1030 1101 1102 1103 1104 1105 1106 | Winnowers, horse-drawn Horse drivings Chaff and silo cutters Steam boilers (capacity) Water turbines (capacity) Steam and gas turbines (capacity) Locomobiles (capacity) Diesel engines (capacity) Other internal combustion engines (capacity) | 235, III, 166. Price. 235, III, 166. Price. 235, III, 168. Avg. price. Median of prices for 3 types (29,200 rubles, 235, II, 939) divided by corresponding capacity (161 m², 235, II, 939). Price of steam turbines (see series 1103) times 1927/28 price ratio of water turbines to steam turbines (1.37, from series 1102 and 1103, col. 2). Weighted avg. of median prices of turbines of 100,000 kw and over, 500,000 kw, 25,000-49,000 kw, and up to 25,000 kw (235, II, 1072 f). Outputs in 180, 216. Median of prices for 11 types of locomobiles (85,000 rubles, 235, II, 991 ff) divided by corresponding capacity (125 hp, 235, II, 939). Median of prices for 14 types (214,000 rubles, 235, II, 983) divided by corresponding capacity (600 hp, 235, II, 983). Price (5,400 rubles, 235, II, 989) divided by capacity (22 hp, 235, II, 989). Price of largest turbogenerator (481,000 rubles, |
| 1028 1029 1030 1101 1102 1103 1104 1105 1106 | Winnowers, horse-drawn Horse drivings Chaff and silo cutters Steam boilers (capacity) Water turbines (capacity) Steam and gas turbines (capacity) Locomobiles (capacity) Diesel engines (capacity) Other internal combustion engines (capacity) Turbogenerators (capacity) | 235, III, 166. Price. 235, III, 168. Avg. price. Median of prices for 3 types (29,200 rubles, 235, II, 939) divided by corresponding capacity (161 m², 235, II, 939). Price of steam turbines (see series 1103) times 1927/28 price ratio of water turbines to steam turbines (1.37, from series 1102 and 1103, col. 2). Weighted avg. of median prices of turbines of 100,000 kw and over, 500,000 kw, 25,000-49,000 kw, and up to 25,000 kw (235, II, 1072f). Outputs in 180, 216. Median of prices for 11 types of locomobiles (85,000 rubles, 235, II, 991 ff) divided by corresponding capacity (125 hp, 235, II, 939). Median of prices for 14 types (214,000 rubles, 235, II, 983) divided by corresponding capacity (600 hp, 235, II, 983). Price (5,400 rubles, 235, II, 989) divided by capacity (22 hp, 235, II, 989). Price of largest turbogenerator (481,000 rubles, 235, II, 533) divided by its capacity (12,000 kw, 235, II, 533). |
| 1028 1029 1030 1101 1102 1103 1104 1105 1106 1107 | Winnowers, horse-drawn Horse drivings Chaff and silo cutters Steam boilers (capacity) Water turbines (capacity) Steam and gas turbines (capacity) Locomobiles (capacity) Diesel engines (capacity) Other internal combustion engines (capacity) Turbogenerators (capacity) | 235, III, 166. Price. 235, III, 168. Avg. price. Median of prices for 3 types (29,200 rubles, 235, II, 939) divided by corresponding capacity (161 m², 235, II, 939). Price of steam turbines (see series 1103) times 1927/28 price ratio of water turbines to steam turbines (1.37, from series 1102 and 1103, col. 2). Weighted avg. of median prices of turbines of 100,000 kw and over, 500,000 kw, 25,000-49,000 kw, and up to 25,000 kw (235, II, 1072f). Outputs in 180, 216. Median of prices for 11 types of locomobiles (85,000 rubles, 235, II, 991 ff) divided by corresponding capacity (125 hp, 235, II, 939). Median of prices for 14 types (214,000 rubles, 235, II, 983) divided by corresponding capacity (600 hp, 235, II, 983). Price (5,400 rubles, 235, II, 989). Price of largest turbogenerator (481,000 rubles, 235, II, 533). Price of largest hydroelectric generator (432,400 |
| 1028 1029 1030 1101 1102 1103 1104 1105 1106 1107 | Winnowers, horse-drawn Horse drivings Chaff and silo cutters Steam boilers (capacity) Water turbines (capacity) Steam and gas turbines (capacity) Locomobiles (capacity) Diesel engines (capacity) Other internal combustion engines (capacity) Turbogenerators (capacity) | 235, III, 166. Price. 235, III, 168. Avg. price. Median of prices for 3 types (29,200 rubles, 235, II, 939) divided by corresponding capacity (161 m², 235, II, 939). Price of steam turbines (see series 1103) times 1927/28 price ratio of water turbines to steam turbines (1.37, from series 1102 and 1103, col. 2). Weighted avg. of median prices of turbines of 100,000 kw and over, 500,000 kw, 25,000-49,000 kw, and up to 25,000 kw (235, II, 1072 f). Outputs in 180, 216. Median of prices for 11 types of locomobiles (85,000 rubles, 235, II, 991 ff) divided by corresponding capacity (125 hp, 235, II, 939). Median of prices for 14 types (214,000 rubles, 235, II, 983) divided by corresponding capacity (600 hp, 235, II, 983). Price (5,400 rubles, 235, II, 989) divided by capacity (22 hp, 235, II, 989) Price of largest turbogenerator (481,000 rubles, 235, II, 533) divided by its capacity (12,000 kw, 235, II, 533). Price of largest hydroelectric generator (432,400 rubles, 235, II, 534) divided by its capacity |
| 1028 1029 1030 1101 1102 1103 1104 1105 1106 1107 | Winnowers, horse-drawn Horse drivings Chaff and silo cutters Steam boilers (capacity) Water turbines (capacity) Steam and gas turbines (capacity) Locomobiles (capacity) Diesel engines (capacity) Other internal combustion engines (capacity) Turbogenerators (capacity) | 235, III, 166. Price. 235, III, 168. Avg. price. Median of prices for 3 types (29,200 rubles, 235, II, 939) divided by corresponding capacity (161 m², 235, II, 939). Price of steam turbines (see series 1103) times 1927/28 price ratio of water turbines to steam turbines (1.37, from series 1102 and 1103, col. 2). Weighted avg. of median prices of turbines of 100,000 kw and over, 500,000 kw, 25,000-49,000 kw, and up to 25,000 kw (235, II, 1072f). Outputs in 180, 216. Median of prices for 11 types of locomobiles (85,000 rubles, 235, II, 991 ff) divided by corresponding capacity (125 hp, 235, II, 939). Median of prices for 14 types (214,000 rubles, 235, II, 983) divided by corresponding capacity (600 hp, 235, II, 983). Price (5,400 rubles, 235, II, 989). Price of largest turbogenerator (481,000 rubles, 235, II, 533). Price of largest hydroelectric generator (432,400 |

| 1109 | Electric motors, A.C. (capacity) | Weighted avg. price of motors under 100 kw (derived as 73.5 rubles/kw from median of 17 prices for 40 kw motors in 235, II, 473 ff) and motors over 100 kw (derived as 215 rubles/kw from avg. price of 190 kw 3,000 volt motor and 180 kw 6,000 volt motor in 235, II, 512). |
|-------|----------------------------------|---|
| 1110 | Power transformers (capacity) | Outputs in 180, 214 f. Median of prices for 8 types (167,500 rubles, 235, II, 686 ff) divided by corresponding capacity (15,000 kva, 235, II, 686 ff). |
| 1201 | Coal-mining combines | 235, III, 4 ff. Avg. price for Donbas-1 and UKMG-2M types. |
| 1202 | Coal-cutting machines | 235, III, 6. Avg. price. |
| 1203 | Electric mining locomotives | 235, III, 11. Median of 8 prices. |
| 1204 | Ore-loading machines | 235, III, 7 f. Median of 6 prices. |
| 1205 | Deep-shaft pumps | 235, III, 53 f. Median of 6 prices. |
| 1206 | Turbodrills | 235, III, 49. Median of 5 prices. |
| 1210 | Machine tools | Weighted avg. of median prices for turret lathes, automatic and semi-automatic turret lathes, slotters, planers, milling machines, broaching machines, shapers, radial drilling machines, vertical drilling machines, boring machines, grinding machines, sharpening machines, gear-cutting machines, tool-grinding machines (235, II, 58-87) and bench and engine lathes (24,400 rubles). Price of bench and engine lathes is weighted avg. of median prices for bench lathes, screw-cutting lathes, boring and turning lathes, face and wheel lathes, and automatic and semi-automatic bench and engine lathes (prices in 235, II, 56 ff; weighted by planned outputs for 1941 in 72, 95). Outputs in 180, 208 f. |
| 1211 | Electric furnaces | 235, II, 758. Median of 5 prices. |
| 1212 | Spinning machines | Avg. price of water spinning machines (33,800 rubles, median of 27 prices in 235, II, 220 ff) and water doubling frames (37,300 rubles, median of 14 prices in 235, II, 223 f). |
| 1213 | Winding machines | 235, II, 233 f. Median of 30 prices. |
| 1214 | Looms | 235, II, 238 f. Median of 13 prices. |
| 1215 | Cotton-carding machines | 235, II, 218 f. Median of 5 prices. |
| 1216 | Knitting machines | 235, II, 252. |
| 1217 | Leather-spreading machines | 235, II, 254. Median of 3 prices. |
| 1218 | Leather-dressing machines | 235, II, 255 f. Avg. price. |
| 1219 | Typesetting, machines linotype | 235, II, 288 f. Median of prices for 5 types. |
| 1220 | Flat-bed printing presses | 235, II, 294. Median of 6 prices. |
| 1221 | Industrial sewing machines | 235, II, 250 ff. Median of prices for heads only for 23 types. |
| 1222. | l Presses | Price of machine tools (see series 1210) times 1927/28 price ratio of presses to machine tools (0.177 from series 1210 and 1222.1, col. 2). |
| 1301 | Excavators | Weighted avg. price of single-bucket (100,000 rubles, median of 15 prices in 235, II, 3 f, 779) and multiple-bucket (82,000 rubles, median of 11 prices in 235, II, 10 f) excavators. Outputs in 180, 234 f. |
| 1302 | Trench excavators | 235, II, 19. Median of 5 prices. |

| 1303 | Stone crushers | 235, II, 24 f. Median of 17 prices. |
|---------------|-----------------------------|--|
| 1304 | Road graders | 235, II, 20. Price for medium road graders. |
| 1305 | | 225, 11, 20. Median of 2 miles |
| | Self-propelled road graders | 235, II, 20. Median of 3 prices. |
| 1306 | Concrete mixers | 235, II, 27 f. Median of 11 prices. |
| 1307 | Scrapers, tractor-driven | 235, II, 19. Median of 3 prices. |
| 1308 | Bulldozers | 235, II, 19 f, 53 f, 779. Median of prices. |
| 1309 | Railroad cranes, steam | 235, II, 13 f. Median of 11 prices. |
| 1310 | Self-propelled cranes | 235, II, 12, 14. Median of 11 prices. |
| 1311 | Overhead traveling cranes | Weighted avg. price of electric (99,750 rubles, |
| 1311 | Overhead travering cranes | |
| | | median of 64 prices in 235, II, 1001 ff) and |
| | | hand-operated (8,610 rubles, avg. of median |
| | | prices for single- and double-beam cranes in |
| | | 235, II, 997 ff) cranes. Weighted by 1935 |
| | | output (<i>215</i> , 80). |
| 1312 | Tower cranes | 235, II, 14 f. Median of 16 prices. |
| 1313 | Electric elevators | 235, II, 45 f. Median of 8 prices. |
| 1401 | Telephones | Unweighted avg. price of hand-operated (102.5 |
| | 2 crephones | rubles, avg. price for table and table-wall |
| | | |
| | | telephones in 235, II, 816) and automatic |
| | | (112.5 rubles, avg. price for table and wall |
| | | telephones in 235, II, 815) telephones. |
| 1402 | Switchboards, hand-operated | 235, II, 817 f. Median of 9 prices. |
| 1403 | Switchboards, automatic | Price of an automatic switchboard (117,000 |
| | | rubles, 235, II, 819) divided by its no. of lines |
| | | (600, <i>235</i> , II, 819). |
| 1405 | Calculating machines | 235, II, 301 f. Median of 5 prices. |
| 1 5 01 | Flour | Commercial cost of processing in large-scale |
| | | flour and groats industry (3,454 mill. rubles, |
| | | 133a, 43) divided by corresponding output |
| | | (19,702.4 th. m. tons, 133a, 41). Data adjusted |
| | | upward to account for higher costs in small- |
| | | |
| 1500 | Manager | scale industry. |
| 1502 | Macaroni | Price (4,000 rubles/m. ton) minus price of flour |
| | | (2,200 rubles/m. ton, see series 1501). Price |
| | | derived as retail price (4.35 rubles/kg., 458, |
| | | 1955, No. 4, 377) times 0.9 to eliminate |
| | | retailing mark-up. |
| 1 5 03 | Butter | Price (25,000 rubles/m. ton) times ratio of wages |
| | | to total cost in dairy products industry (0.078, |
| | | 180, 371). Price derived as 1953 (same as 1955) |
| | | retail price (27.8 rubles/kg.) times 0.9 to |
| | | eliminate retailing mark-up. Retail price is |
| | | avg. price in 1952 (30.6 rubles/kg., 442) times |
| | | price ratio, 1953 to 1952 (0.090, 364, 4/1/53). |
| 1504 | Vegetable oil | Price (12,700 rubles/m. ton) times 1934 ratio of |
| 1001 | vegetable on | wages to total cost in vegetable oil industry |
| | | (0.126, 215, 216). Price derived as 1927/28 |
| | | |
| | | price (411 rubles/m. ton, see series 1504, col. 2) |
| | | times price ratio, 1955 to 1927/28 (30.88, |
| | | derived from price index for sunflower oil for |
| | | 1952 on 1927/28 = 100 in 441, 152, and official |
| | | price index for vegetable oil for 1955 on |
| | | 1952 = 100 in 226, 131). |
| 1504.1 | Oleomargarine | Price (13,700 rubles/m. ton) minus difference be- |
| | | tween price and unit value added of vegetable |
| | | oil (11,100 rubles/m. ton, see series 1504). |
| 1504.2 | P. Vegetable oil minus | Same as for vegetable oil (series 1504). |
| | oleomargarine | . , |
| | 5 | |
| | | |

Price (11,100 rubles/m. ton) times ratio of wages 1506 Meat slaughtering to total cost in meat industry (0.038, 180, 371). Price derived as retail price (11,835 rubles/m. ton) times 0.935 (133, 112) to eliminate retailing mark-up. Retail price is weighted avg. price of beef, pork, lamb, and fowl (prices in 133, 112; outputs in 180, 378). Retail price (12,600 rubles/m. ton) times 0.5 1507 Fish catch (ratio of 1927/28 in col. 2 to avg. price paid by worker's family for fish, 422) to eliminate trade mark-up, transportation, and spoilage. Retail price derived as weighted avg. 1952 retail price (14,000 rubles/m. ton) of fresh and frozen (pike, perch), salted (herring), and other fish (sturgeon) (prices in 442; weighted by percentage distribution of 1955 production in 363, 1956, No. 1, 85) times price ratio, 1955 to 1952 (0.9, 226, 131). But see note b to this table. 1508 Soap (40%) Price (3,400 rubles/m. ton) times 0.377 to eliminate turnover taxes (594, 131). Price derived as retail price (3,725 rubles/m. ton) times 0.9 to eliminate retailing mark-up. Retail price derived as value of sales of household and toilet soap (226, 68) divided by sales (assumed to be 90% of output). 1509 Salt Price (200 rubles/m. ton) times 0.171 to eliminate turnover taxes (594, 131). Price derived as retail price (0.222 rubles/kg., derived as 1952 price in 442 times price ratio, 1955 to 1952, given as 0.66 in 408, 1956, No. 5, 83) times 0.9 to eliminate retailing mark-up. 1510 Raw sugar consumption Price (8,500 rubles/m. ton) times ratio of wages to total cost in sugar industry (0.097, 180, 29, 371). Price is retail price for Sept. 1954 in Moscow (9.4 rubles/kg., 458, 1955, No. 4, 377) times 0.9 to eliminate retailing mark-up. Price same in 1955 as 1954 (408, 1956, No. 5, 83). 1510.1 Refined sugar Price (9,700 rubles/m. ton) times ratio of wages to total cost in sugar industry (0.097, 180, 29, 371). Price is retail price for Sept. 1954 in Moscow (10.7 rubles/kg., 458, 1955, No. 4, 377) times 0.9 to eliminate retailing mark-up. Price same in 1955 as 1954 (408, 1956, No. 5, 83). 1510.2 Raw sugar minus refined Same as for raw sugar (series 1510). sugar and sugar in candy 1511 Starch and syrup Price (1,900 rubles/m. ton) times 1927/28 ratio of unit value added to price (0.33, see series 1511, col. 2). Price derived as price of yeast (4,800 rubles/m. ton, 67, 228) times 1927/28 price ratio of starch and syrup to yeast (0.4, from series 1511, col. 2, and 166, 294). 1513 Canned food Price (2.20 rubles/can) times 1934 ratio of wages to total cost in canned food industry (0.223, 215, 216). Price derived as retail price (2.39) rubles/can, value of sales excl. canned milk in 226, 40, divided by volume of sales, assumed to be 90% of output excl. canned milk in 180,

399) times 0.9 to eliminate retailing mark-up.

1514 Beer

1515 Cigarettes

1516 Low-grade tobacco

1517 Matches

1518 Vodka (40%)

1519 Candy

1601 Boots and shoes

Price (338 rubles/hectoliter) times 1934 ratio of wages to total cost in beer and yeast industry (0.224, 215, 216). Price is retail price for April 1954 (4.5 rubles/liter, 461, 1955, No. 3, 111) times 1926/27 ratio of wholesale to retail price incl. excise and special tax (0.75 from data in 185, 518).

Price (58 rubles/th.) times 1934 ratio of wages to total cost in tobacco industry (0.196, 215, 216). Price is retail price (64 rubles/th.) times 0.9 to eliminate retailing mark-up. Retail price derived from sales (assumed to be 90% of output) and value of sales (11,423 mill. rubles, value of sales of cigarettes and makhorka in 226, 42, minus value of sales of makhorka (576 mill. rubles) derived as retail price of makhorka (see series 1516) times volume of sales of makhorka (assumed to be 90% of output).

Price (220 rubles/20 kg.-crate) times 1934 ratio of wages to total cost in tobacco industry (0.196, 215, 216). Price derived as retail price for Sept. 1954 (0.60 rubles/50 gms., 461, 1955, No. 3, 112) times 0.9 to eliminate retailing mark-up.

Price (75 rubles/crate) times ratio of wages to total cost in match industry (0.358, 180, 245). Price derived as retail price (80 rubles/crate) times 0.9 to eliminate retailing mark-up. Retail price derived as 1952 retail price (442) times price ratio, 1955 to 1952 (0.68, from data in 226, 131).

Price (3,500 rubles/hectoliter) times ratio of wages to total cost of alcohol industry (0.070, 180, 371). Price is retail price (3,890 rubles/hectoliter) times 0.9 to eliminate retailing mark-up. Retail price derived as 1952 retail price (442) times price ratio, 1953 to 1952 (1.11, 364, 4/1/53).

Price (24,600 rubles/m. ton) times ratio of wages to total cost in sugar industry (0.097, see series 1510, col. 3). Price derived as 1927/28 price (1,580 rubles/m. ton, see series 1519, col. 2) times price ratio for raw sugar of 1955 to 1927/28 (15.6, from series 1510, col. 3, and 1927/28 price incl. excise tax in 186, 69).

Price (80 rubles/pair) times ratio of wages to total cost in shoe industry (0.134, 180, 322). Price is weighted avg. price of leather shoes (incl. shoes with rubber soles) and cloth shoes (outputs in 180, 351). Price of cloth shoes derived as value of sales (226, 42) divided by sales (assumed to be same as output in 180, 351). Price of leather shoes in 1952 weighted avg. price (110.8 rubles/pair) times price ratio, 1955 to 1952 (0.82, from data in 226, 131). 1952 price is weighted avg. price of

| 1602 | Rubber footwear | women's and men's leather shoes and rubber-soled leather shoes (prices in 442; weighted by 1955 percentage share of formed shoes [19%] and nonformed shoes [81%], 180, 351). Price derived as retail price (37.7 rubles/pair) times 1927/28 ratio of wholesale to retail price (0.87, from wholesale price derived from output and value of output in 103, 494 f, and retail price in 442). 1955 price derived as value of |
|------|---------------------------------|--|
| 1604 | Rubber footwear Cotton fabrics | sales (226, 42) divided by sales (assumed to be same as output). Unit value added. Price (series 1602) times 0.14 to eliminate turnover tax (594, 131). Price (7.5 rubles/meter) times ratio of wages to |
| | | total cost in cotton industry (0.109, 180, 322). Price derived as weighted avg. retail price for first quarter, 1956 (8.3 rubles/meter, 394, 1956, No. 11, 60) times 0.9 to eliminate retailing mark-up. |
| 1607 | Linen fabrics | Price (11 rubles/meter) times ratio of wages to total cost in linen industry (0.094, 180, 322). Price derived as weighted avg. retail price for first quarter, 1956 (12.2 rubles/meter, 394, |
| 1609 | Silk and rayon fabrics | 1956, No. 11, 60) times 0.9 to eliminate retailing mark-up. Price (28.4 rubles/meter) times ratio of wages to total cost in silk industry (0.080, 180, 322). Price derived as weighted avg. retail price for first half, 1956 (31.5 rubles/meter, 394, 1956, |
| 1611 | Woolen and worsted fabrics | No. 11, 60) times 0.9 to eliminate retailing mark-up. Price (105 rubles/meter) times ratio of wages to cost in woolen industry (0.065, 180, 322). Price derived as weighted avg. retail price for first |
| 1612 | Knitted goods | half, 1956 (116.1 rubles/meter, 394, 1956, No. 11, 60) times 0.9 to eliminate retailing mark-up. Price (21 rubles/unit) times ratio of wages to total cost in knitted goods industry (0.22, 410, 1957, No. 7, 34). Price derived as retail price (23.6 rubles/unit, from value of sales in 226, 42, divided by sales, assumed to be 90% of |
| 1613 | Hosiery | output) times 0.9 to eliminate retailing mark-up. Price (55 rubles/pair) times ratio of wages to total cost in knitted goods industry (0.22, 410, 1957, No. 7, 34). Price derived as retail price (6.13 rubles/pair, from value of sales in 226, 42, |
| 1614 | Felt footwear | divided by sales, assumed to be same as output) times 0.9 to eliminate retailing mark-up. Price (85 rubles/pair) times 1927/28 ratio of value added to value in felt industry (0.743 from Table C-2). Price derived as retail price (88 rubles/pair, from value of sales in 226, 42, |
| 1701 | Bicycles | divided by volume of sales, assumed to be 90% of output) times 0.95 to eliminate retailing mark-up. Retail price (645 rubles/unit in 442) times price ratio, 1953 to 1952 (0.90, 364, 4/1/53). |

| 1702 | Cameras | 458, 1955, No. 4, 378. Price. |
|-------|---------------------------------|---|
| 1703 | | 458, 1955, No. 4, 378. Price. |
| 1704 | | 458, 1955, No. 4, 378. Price. |
| 1705 | U . | 585, 48. Price for 3-tube radio in 1952. Price |
| | | same in 1955 as 1952. |
| 1707 | Household sewing machines | Value of sales (1,120 mill. rubles) divided by |
| -,,, | 110 0001010 10 11119 1110111110 | sales (408, 1956, No. 5, 82). Value is sum of |
| | | values for all republics except Karelo-Finnish |
| | | (1,085 mill. rubles, 226, 231 ff) times ratio for |
| | | value of sales of all "other nonfood products" |
| | | of USSR to USSR excl. Karelo-Finnish |
| | | Republic (1.032, from data in 226, 43, 231 ff). |
| 1708 | Clocks and watches | Value of sales (3,293 mill. rubles) divided by |
| | | sales (408, 1956, No. 5, 82). Value is sum of |
| | | values for all republics except Karelo-Finnish |
| | | Republic (3,191 mill. rubles, 226, 231 ff) times |
| | | ratio described above (see series 1707). |
| 1709 | Motorcycles | Value of sales (871 mill. rubles) divided by |
| | , | volume of sales (226, 57). Value derived as |
| | | summed values of bicycles and motorcycles |
| | | (2,496 mill. rubles, 226, 43) minus value of |
| | | bicycles (sales in 226, 57, and price in series |
| | | 1701). |
| | T | |
| | • | 1914 U.S. Weights (col. 4) |
| 103 | Steel ingots and castings | 640, 74. Avg. unit value of unrolled steel ingots |
| | | produced for sale and interplant transfer. |
| | _ | Also, 618, 546. |
| 202 | Copper | 626, 150. Also, 637, 580. |
| 203 | Lead | <i>626</i> , 150. |
| 204 | Zinc | 626, 150. |
| 301.1 | Hydroelectric power | Avg. price of electric power for 1912 and 1917 |
| | | (derived from sales and value of sales to commercial and industrial consumers in 626, |
| | | |
| 302 | Anthracite | 159). 626, 142. |
| 303 | Bituminous coal | 626, 142. |
| 304 | Lignite | Unit value of bituminous coal in 1914 (see series |
| 301 | Liginte | 303) times 1929 ratio of unit value of lignite to |
| | | bituminous coal (0.869, see series 303 and 304, |
| | | col. 5). |
| 305 | Crude petroleum | 626, 146. Converted from barrels at 1 barrel = |
| | • | 139.07 kg. |
| 306 | Natural gas | <i>626</i> , 146. |
| 401 | Soda ash | 655, No. 493, 192. Price. |
| 404 | Sulfuric acid | 655, No. 493, 186. Price. Converted from 66° |
| | | Baumé basis to 100% H ₂ SO ₄ basis with 66° |
| | | Baumé = $93.19\% H_2SO_4$. |
| 405.1 | l Phosphoric fertilizer | 618, 498. Price. Converted from 16% P ₂ O ₅ |
| | | basis to 18.7% basis. |
| 405.2 | | 655, No. 473, 225. Price f.a.s. N.Y. |
| 405.3 | B Potash fertilizer | 655, No. 473, 225. War Industry Board avg. |
| | | price for muriate of potash (80-85% K ₂ O) |
| 400 | C | converted to 41.6% K ₂ O. |
| 406 | Ground natural phosphate | 626, 148. |
| 410 | Red lead | 655, No. 473, 204. Price of dry red lead in N.Y. |
| 416 | Paper | 618, 481 f. Avg. unit value of all kinds excl. |
| | | building paper. |

| 417 | Paperboard | 618, 482. |
|------|---------------------------------------|---|
| 418 | Motor vehicle tires | 618, 480. Pneumatic tires and casing (motor vehicle tires, excl. motorcycle and bicycle tires). |
| 501 | Red bricks | 618, 522. Common brick. |
| 505 | Sand-lime, silica, and slag bricks | 618, 533. Sand-lime brick. |
| 506 | Cement | 626, 147. Converted from barrels at 1 barrel = 170.55 kg. |
| 507 | Construction gypsum | 640, 74. Price of crude gypsum. |
| 508 | Construction lime | <i>626</i> , 147. |
| 510 | Lumber | 649, 1923, 233. Avg. mill value for 1915. Also, 640, 74. Converted from board ft. at 1 bd. ft. = 0.00236 m ³ . |
| 512 | Magnesite metallurgical powder | 626, 148. |
| 513 | Roll roofing | 618, 482. Building paper. Converted from short |
| | | tons into metric tons and then into m^2 at $1 m^2 = 1.48 \text{ kg}$. |
| 516 | Asbestos shingles | 1929 unit value (see series 516, col. 5) times unit value ratio for asbestos of 1915 to 1929 (0.4, from data in 649, 1932, 693). |
| 519 | Window glass | <i>618</i> , 528. |
| 601 | Crude alcohol | Price of 188° denatured alcohol in N.Y. (\$0.338/gallon, 655, No. 473, 212) times ratio of value added to value of distilled liquors, excl. internal revenue taxes (0.471, from 609, |
| | - | 1939, II, part 1, 228). Also, 640, 75. |
| 604 | Hard leather | Avg. price of 3 kinds (Hemlock middle, no. 1, oak, in Boston; scoured back, in Boston; and Union backs, steer, tannery run, in N.Y.—\$0.398/lb. in 655, No. 473, 124 f) times ratio of value added for leather, tanned, curried, and finished, to computed value of leather (0.577, |
| | | from 640 , 75). |
| 605 | Soft leather | Avg. price of 2 kinds (chrome calf, grade B, in Boston; and side, black, chrome, tanned, grade B, in Boston—\$0.274/ft.² in 655, No. 473, 123 f) times ratio described above in series 604. |
| | | Converted at 1 ft. ² = 9.29 dcm^2 . |
| 1501 | Flour | 640, 75. Value added of flourmill and gristmill |
| | | products and 2-year avg. output (1912 and 1913). Converted from barrels into m. tons at 1 barrel = 196 lbs. |
| 1503 | Butter | Avg. unit value (\$0.284/lb. in 609, 1914, 353, |
| 1000 | 24.0. | 349) times ratio for creamery butter of value added to value (0.1267, from 609, 1939, II, part 1, 80). |
| 1504 | Vegetable oil | Value added of crude cottonseed oil (609, 1929, II, 709) and output (640, 70). |
| 1506 | Meat slaughtering | Avg. value per lb. of fresh meat, edible offal, and dressed poultry (value and output in 609, |
| 1507 | Fish catch | 1914, II, 333) times ratio for slaughtering and meat packing of value added to value (0.1284, from 609, 1914, II, 319). Avg. price of 3 kinds (pickled or cured cod, in |
| 1307 | Im vaton | Gloucester, Mass.; pickled herring, in N.Y.; and pickled, salted, and large mackerel, in Boston—in 655, No. 473, 107). |
| | | 550 |

| 1509 | Salt | <i>626</i> , 148. |
|--------------------------|--|---|
| 1510 | Raw sugar consumption | Value added and output of beet sugar in 649, 1923, 311, 213. |
| 1511 | Starch and syrup | Avg. price of 42° glucose and corn starch in N.Y. (\$0.0418/lb., from 655, No. 493, 86) times ratio for glucose and starch of value added to value (0.2358, from 609, 1914, vol. II, 411). |
| 1513 | Canned food | Value added of canning and preserving (609, 1914, II, 363) and output of canned food excl. milk and meat products. Converted from lbs. into 400-gm, cans. |
| 1514 | Beer | Value added of malt liquors excl. internal revenue tax (609, 1939, II, part 1, 210) and 2-year (1914 and 1915 fiscal years) avg. output (640, 70). Converted from barrels into hectoliters at 1 barrel = 1.1735 hectoliters. |
| 1515 | Cigarettes | Value added excl. internal revenue tax (609, 1914, 1029) and output (618, 414). |
| 1516 | Low-grade tobacco | Value added excl. internal revenue tax of "other tobacco products" (609, 1914, 1029) and output (618, 415). Converted from lbs. into 20-kg. crates. |
| 1604 | Cotton fabrics | Avg. unit value of cotton woven goods excl. "other cotton products" (609, 1914, 32) times ratio for cotton manufactures of value added to value (0.3676, from 609, 1914, 20). Converted from square yards to m ² ; then adjusted to linear meters, Soviet width (1.4286 linear meters = 1 m ² from Appendix A, technical note 1). |
| 1607 | Linen fabrics | Avg. unit value (609, 1914, 152) times ratio for linen goods of value added to value (0.3837, from 609, 1914, 148). Converted from square yards to m ² . No adjustment to linear meters necessary since avg. Soviet width is assumed to be 100 cm. |
| 1609 | Silk and rayon fabrics | Avg. unit value of broad woven silk (609, 1914, 138) times ratio for silk industry of value added to value (0.4314, from 609, 1914, 125). Converted from yards to m ² ; then adjusted to linear meters, Soviet width, at 1.0753 linear meters = 1 m ² (265, II, 124 ff). |
| 1611 | Woolen and worsted fabrics | Value added of woolen and worsted goods (609, 1914, 51) and output (618, 457). Converted from square yards to m ² ; adjusted to linear meters, Soviet width (0.7812 linear meters = 1 m ² from 478, 121). |
| 1614 | Felt footwear | Avg. value of 4 lbs. of saddle felt (609, 1914, 77, 4 lbs. of felt needed to produce a pair of Soviet felt shoes) times ratio for felt goods of value added to cost of materials (0.6529 from 609, 1914, 51). |
| | | f 1929 U.S. Weights (col. 5) |
| 103 202 203 204 | Steel ingots and castings Copper Lead Zinc | 618, 546. 626, 150. Also, 637, 580. 626, 150. 626, 150. |

| 301.1 Hydroelectric power | 626, 159. Sales and value of sales of electric |
|---|--|
| | power to commercial and industrial consumers. |
| 302 Anthracite | 626, 142. |
| 303 Bituminous coal | 626, 142. |
| 304 Lignite | 638, 797. 626, 146. Converted from barrels at 1 barrel = |
| 305 Crude petroleum | 139.07 kg. |
| 306 Natural gas | 626, 146. |
| 401 Soda ash | 655, No. 521, 34. Price. |
| 404 Sulfuric acid | 655, No. 521, 33. Price converted from 66° |
| | Baumé basis to 100% H ₂ SO ₄ basis with 66° |
| | Baumé = $93.19\% H_2SO_4$. |
| 405.1 Phosphoric fertilizer | 618, 498. Avg. price for nonammoniated super- |
| | phosphate and concentrated phosphates. Con- |
| 405.0 A 15.4 | verted from 16% P ₂ O ₅ basis to 18.7% basis. |
| 405.2 Ammonium sulfate 405.3 Potash fertilizer | 655, No. 521, 35. Price in N.Y. |
| 403.3 Potash lertilizer | 655, No. 521, 35. Price for muriate of potash $(80-85\%)$ in N. Y. converted to 41.6% K_2O . |
| 406 Ground natural phosphate | 626, 148. |
| 410 Red lead | 655, No. 521, 51. Price of dry red lead in N.Y. |
| 416 Paper | 609, 1939, II, part 1, 643 f. Avg. unit value of |
| | all kinds excl. building paper. |
| 417 Paperboard | 618, 482. |
| 418 Motor vehicle tires | 618, 480. Pneumatic tires and casing (motor |
| 501 Red bricks | vehicle tires, excl. motorcycle and bicycle tires). |
| 501 Red bricks 505 Sand-lime, silica, and slag | 618, 522. Common brick. 618, 533. Sand-lime brick. |
| brick | 010, 333. Sand-fille brick. |
| 506 Cement | 626, 147. Converted from barrels at 1 barrel = |
| | 170.55 kg. |
| 507 Construction gypsum | 610, 4. Value of shipment of primary product. |
| 508 Construction lime | <i>626</i> , 147. |
| 510 Lumber | 649, 1938, 695. |
| 512 Magnesite metallurgical | <i>626</i> , 148. |
| powder 513 Roll roofing | 619 400 Duilding paper Converted from short |
| 513 Roll roofing | 618, 482. Building paper. Converted from short into m. tons, then into m ² at 1 m ² = 1.48 kg. |
| 516 Asbestos shingles | 618, 520. |
| 519 Window glass | 618, 528. |
| 601 Crude alcohol | Price of denatured alcohol at works (\$0.57/gallon, |
| | 655, No. 521, 33) times avg. ratio for distilled |
| | liquors in 1914 and 1939 of value added to |
| | value of product excl. internal revenue tax |
| 604 II-ud lasth au | (0.482, from 609, 1939, II, part 1, 228). |
| 604 Hard leather | Avg. price of 3 kinds (sole oak insides, scoured backs and sole, and Union backs—\$0.50/lb. |
| | in 655, No. 521, 25) times avg. ratio for leather |
| | industry in 1914 and 1939 of value added to |
| | value of product (0.538, from 640, 75). |
| 605 Soft leather | Avg. price of 2 kinds (chrome calf, grade B; |
| | and side black, chrome, tanned, grade B, in |
| | Boston—\$0.342/sq. ft. in 655, No. 521, 25) |
| 1501 F1 | times avg. ratio described above in series 604. |
| 1501 Flour | Value added of flour and other grain mill products |
| | (609, 1929, II, 134) and output (605, 131, 128). Converted from barrels at 1 barrel = 196 lbs. |
| 1503 Butter | Avg. price of creamery butter and whey (\$0.437) |
| | lb. in 609, 1929, II, 71) times ratio of value |
| | |
| | 561 |
| | |

| | | added to value of made of (0 1481 from 600 |
|------|----------------------------|--|
| | | added to value of product (0.1481, from 609, 1929, II, 67). |
| 1504 | Vegetable oil | Value added to crude cottonseed oil (609, 1929, II, 709) and avg. output for 1929 and 1930 (649, 1938, 678). |
| 1506 | Meat slaughtering | Unit value of fresh meat (value and output in 609, 1929, II, 176) times ratio for meat packing of value added to value (0.1341, from 609, 1929, II, 173). |
| 1507 | Fish catch | Avg. price of 3 kinds (pickled or cured cod, in Gloucester, Mass.; pickled herring, in N.Y.; and salted mackerel, in N.Y.—in 655, No. 521, 23). |
| 1509 | Salt | <i>626</i> , 148. |
| 1510 | Raw sugar consumption | Value added (605, 192) and output of beet sugar including molasses (609, 1929, II, 20). |
| 1511 | Starch and syrup | Avg. price of 42° mixing glucose and laundry starch in N.Y. (\$0.0485/lb., from 655, No. 521, 23, 37) times ratio for glucose and starch of value added to value (0.3717, from 609, 1929, II, 121). |
| 1513 | Canned food | Value added of canning and preserving (609, 1929, II, 80) and output of canned food excl. milk and meat products. Converted from lbs. into 400-gm. cans. |
| 1515 | Cigarettes | Value added of cigar and cigarette industry incl. internal revenue tax (609, 1929, II, 1376) times ratio for tobacco industry of value added excl. and incl. tax (0.4682, from 626, 302, and 609, 1929, II, 1376). Output (626, 186). |
| 1516 | Low-grade tobacco | Value added incl. internal revenue tax for chewing and smoking tobacco (609, 1929, II, 1377) times ratio for tobacco industry of value added excl. and incl. tax (0.4682, from 626, 302, and 609, 1929, II, 1376). Output (618, 415). Converted from lbs. into 20-kg. crates. |
| 1604 | Cotton fabrics | Avg. unit value of woven goods over 12" wide (609, 1929, II, 249) times ratio for cotton industry of value added to value (0.4108, from 609, 1929, II, 247). Adjusted as in col. 4. |
| 1607 | Linen fabrics | Avg. unit value of linen and partly linen woven goods (618, 446) times ratio for linen goods of value added to value (0.4645, from 609, 1929, |
| 1609 | Silk and rayon fabrics | II, 241). No width adjustment (see col. 4). Avg. unit value of broad woven silk goods excl. velvet, plush, upholstery, and tapestry (609, 1929, II, 339) times ratio for silk and rayon manufactures of value added to value (0.4363, from 609, 1929, II, 337). Adjusted as in col. 4. |
| 1611 | Woolen and worsted fabrics | Avg. unit value (609, 1929, II, 415) times ratio for woolen and worsted goods industry of value added to value (0.3923, from 609, 1929, II, 412). Adjusted as in col. 4. |
| 1614 | Felt footwear | Avg. value of 4 lbs. (see col. 4) of shoe and slipper felt (609, 1929, II, 425) times ratio for felt goods of value added to cost of materials (0.7406, from 609, 1929, II, 424). |

| 103 Steel ingots and castings 640, 74. 202 Copper 626, 150. 203 Lead 626, 150. 204 Zinc 626, 150. 301.1 Hydroelectric power 626, 159. 302 Anthracite 626, 159. 303 Bituminous coal 626, 142. 304 Lignite 71, 12 A-4. Value of net shipments. 305 Crude petroleum 626, 146. 626, 148. 301 Sulfuric acid 625, No. R 1069, 40. Price. 655, No. R 1069, 49. Price. 401 Soda ash 626, 146. 626, 148. 405.1 Phosphoric fertilizer 605, No. R 1069, 39. Price. Converted from short to m. tons. 405.2 Ammonium sulfate 605, No. R 1069, 41. Price, bulk, ex vessel, port. 609, 1939, II, part 1, 601. Unit value of non-ammoniated superphosphate incl. concentrated phosphates converted to 18.7% P ₂ O ₆ basis. 609, 1939, II, part 1, 643. Avg. unit value of nathen to m. tons. 405.2 Ammonium sulfate 405.2 No. R 1069, 31. Price for 80% muriate of potash converted from short to m. tons. 625, No. R 1069, 37. Price for day muriate of potash converted from short to m. tons. 626, 142. | Derivation of 1939 U.S. Weights (col. 6) | | |
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| 202 Copper 526, 150. 203 Lead 626, 150. 204 Zinc 626, 150. 301.1 Hydroelectric power 626, 150. 302 Anthracite 626, 150. 303 Bituminous coal 626, 142. 304 Lignite 626, 142. 305 Natural gas 626, 142. 401 Soda ash 626, 146. 405 Sulfuric acid 655, No. R 1069, 40. Price. 405.1 Phosphoric fertilizer 655, No. R 1069, 39. Price. Converted from 66° Baumé basis to 100% H₂SO₄ basis unit 60° Baumé basis to 100% H₂SO₄ basis unit 60° Baumé basis to 100% H₂SO₄ | 103 Steel ingots and castings | 640. 74. | |
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| 204 | • • | · · · · · · · · · · · · · · · · · · · | |
| 301.1 Hydroelectric power 302 Anthracite 303 Bituminous coal 304 Lignite 305 Crude petroleum 306 Natural gas 401 Soda ash 404 Sulfuric acid 305 Universe seed of the shipments of the shipment of the shipm | | · | |
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| 512 Magnesite metallurgical powder 513 Roll roofing 609, 1939, II, part 1, 644. Building paper. Converted from short to m. tons and then to m² at 1 m² = 1.48 kg. 516 Asbestos shingles 655, No. R 1069, 38. Individual shingles, composite price, factory. 519 Window glass 609, 1939, II, part 2, 73. 601 Crude alcohol 609, 1939, II, part 2, 73. 610 Price at works (\$0.299/gallon, 655, No. R 1069, 39) times ratio for distilled liquors of value added to value of excl. internal revenue tax (0.494, from 609, 1939, II, part 1, 228). Also, 640, 75. 604 Hard leather 626, 148. 605, 148. 607 at 1, 644. Building paper. Converted from short to m. tons and then to m² at 1 m² | oro Bamber | | |
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| 609, 1939, II, part 1, 644. Building paper. Converted from short to m. tons and then to m² at 1 m² = 1.48 kg. 516 Asbestos shingles 655, No. R 1069, 38. Individual shingles, composite price, factory. 519 Window glass 601 Crude alcohol Price at works (\$0.299/gallon, 655, No. R 1069, 39) times ratio for distilled liquors of value added to value of excl. internal revenue tax (0.494, from 609, 1939, II, part 1, 228). Also, 640, 75. 604 Hard leather Avg. price of 3 kinds (sole, oak scoured backs, and Union backs, steers—\$0.349/lb., 655, No. R 1069, 24) times ratio of value added for | o g | 020, 1101 | |
| Converted from short to m. tons and then to m² at 1 m² = 1.48 kg. 516 Asbestos shingles 655, No. R 1069, 38. Individual shingles, composite price, factory. 519 Window glass 609, 1939, II, part 2, 73. 601 Crude alcohol Price at works (\$0.299/gallon, 655, No. R 1069, 39) times ratio for distilled liquors of value added to value of excl. internal revenue tax (0.494, from 609, 1939, II, part 1, 228). Also, 640, 75. 604 Hard leather Avg. price of 3 kinds (sole, oak scoured backs, and Union backs, steers—\$0.349/lb., 655, No. R 1069, 24) times ratio of value added for | | 609, 1939. II. part 1, 644. Building paper. | |
| m² at 1 m² = 1.48 kg. 516 Asbestos shingles 655, No. R 1069, 38. Individual shingles, composite price, factory. 519 Window glass 609, 1939, II, part 2, 73. 601 Crude alcohol Price at works (\$0.299/gallon, 655, No. R 1069, 39) times ratio for distilled liquors of value added to value of excl. internal revenue tax (0.494, from 609, 1939, II, part 1, 228). Also, 640, 75. 604 Hard leather Avg. price of 3 kinds (sole, oak scoured backs, and Union backs, steers—\$0.349/lb., 655, No. R 1069, 24) times ratio of value added for | 3.00 | | |
| 516 Asbestos shingles 655, No. R 1069, 38. Individual shingles, composite price, factory. 609, 1939, II, part 2, 73. 601 Crude alcohol Price at works (\$0.299/gallon, 655, No. R 1069, 39) times ratio for distilled liquors of value added to value of excl. internal revenue tax (0.494, from 609, 1939, II, part 1, 228). Also, 640, 75. 604 Hard leather Avg. price of 3 kinds (sole, oak scoured backs, and Union backs, steers—\$0.349/lb., 655, No. R 1069, 24) times ratio of value added for | | | |
| posite price, factory. 609, 1939, II, part 2, 73. 601 Crude alcohol Price at works (\$0.299/gallon, 655, No. R 1069, 39) times ratio for distilled liquors of value added to value of excl. internal revenue tax (0.494, from 609, 1939, II, part 1, 228). Also, 640, 75. 604 Hard leather Avg. price of 3 kinds (sole, oak scoured backs, and Union backs, steers—\$0.349/lb., 655, No. R 1069, 24) times ratio of value added for | 516 Asbestos shingles | | |
| 519 Window glass 609, 1939, II, part 2, 73. 601 Crude alcohol Price at works (\$0.299/gallon, 655, No. R 1069, 39) times ratio for distilled liquors of value added to value of excl. internal revenue tax (0.494, from 609, 1939, II, part 1, 228). Also, 640, 75. 604 Hard leather Avg. price of 3 kinds (sole, oak scoured backs, and Union backs, steers—\$0.349/lb., 655, No. R 1069, 24) times ratio of value added for | | | |
| 601 Crude alcohol Price at works (\$0.299/gallon, 655, No. R 1069, 39) times ratio for distilled liquors of value added to value of excl. internal revenue tax (0.494, from 609, 1939, II, part 1, 228). Also, 640, 75. 604 Hard leather Avg. price of 3 kinds (sole, oak scoured backs, and Union backs, steers—\$0.349/lb., 655, No. R 1069, 24) times ratio of value added for | 519 Window glass | | |
| 39) times ratio for distilled liquors of value added to value of excl. internal revenue tax (0.494, from 609, 1939, II, part 1, 228). Also, 640, 75. 604 Hard leather Avg. price of 3 kinds (sole, oak scoured backs, and Union backs, steers—\$0.349/lb., 655, No. R 1069, 24) times ratio of value added for | | Price at works (\$0.299/gallon, 655, No. R 1069, | |
| 604 Hard leather Avg. price of 3 kinds (sole, oak scoured backs, and Union backs, steers—\$0.349/lb., 655, No. R 1069, 24) times ratio of value added for | | 39) times ratio for distilled liquors of value added to value of excl. internal revenue tax (0.494, from 609, 1939, II, part 1, 228). Also, | |
| | 604 Hard leather | Avg. price of 3 kinds (sole, oak scoured backs, and Union backs, steers—\$0.349/lb., 655, No. R 1069, 24) times ratio of value added for | |

| | | computed value of leather (0.498, from 640, 75). |
|------|-----------------------|---|
| 605 | Soft leather | Avg. price of 2 kinds (chrome calf, grade B, and side back, chrome, tanned, grade B, in Boston —\$0.306/sq. ft., 655, No. R 1069, 24) times ratio described above in series 604. Converted at 1 sq. ft. ² = 9.29 dcm ² . |
| 1501 | Flour | Value added of flour and other grain mill products 609, 1939, II, part 1, 134) and output (640, 69). Converted from barrels (1 barrel = 196 lbs.) into m. tons. |
| 1503 | Butter | Avg. price of creamery butter (609, 1939, II, part 1, 83) times ratio for creamery butter of value added to value (0.1493, from 609, 1939, |
| 1504 | Vegetable oil | II, part 1, 80). Value added of crude cottonseed oil and output (609, 1939, II, part 1, 28 G5, 28 G1). |
| 1506 | Meat slaughtering | Avg. unit value of fresh meat (value and output in 609, 1939, II, part 1, 57) times ratio for meat packing of value added to value (0.1593, from |
| 1507 | Fish catch | 609, 1939, II, part 1, 54). Avg. price of 3 kinds (pickled or cured cod, in Gloucester, Mass.; pickled herring, in N.Y.; and salted mackerel, in N.Y.—in 655, No. R 1069, 23). |
| 1509 | Salt | 626, 148. |
| 1510 | Raw sugar consumption | Value added and output of beet sugar including molasses (609, 1939, II, part 1, 178). |
| 1511 | Starch and syrup | Avg. price of 42° unmixed glucose and corn starch in N.Y. (\$0.0375/lb. from 655, No. R 1069, 22 f) times ratio for corn syrup, corn sugar, corn oil and starch of value added to value (0.4396, from 609, 1939, II, part 1, 243). |
| 1513 | Canned food | Value added of canned fish, crustacea and mollusks, and canned and dried fruits and vegetables, incl. canned soups (609, 1939, II, part 1, 105, 111) and output of canned food excl. meat and milk products. Converted from lbs. into 400-gm. cans. |
| 1514 | Beer | Value added of malt liquors excl. internal revenue tax (609, 1939, II, part 1, 216) and output (608, 132). Converted from barrels into hectoliters at 1 barrel = 1.1735 hectoliters. |
| 1515 | Cigarettes | Value added excl. internal revenue tax for cigarettes (609, 1939, II, part 1, 271) and output (626, 186). |
| 1516 | Low-grade tobacco | Value added and output of chewing and smoking tobacco (609, 1939, II, part 1, 274). Converted from lbs. into 20-kg. crates. |
| 1604 | Cotton fabrics | Avg. unit value of woven goods over 12" wide (609, 1939, II, part 1, 291) times ratio for cotton industry of value added to value (0.5042, from 609, 1939, II, part 1, 287). Adjusted for width as in col 4. |
| 1607 | Linen fabrics | 1937 avg. unit value (609, 1939, II, part 1, 392) times 1939 ratio for linen goods of value added to value (0.468, from 609, 1939, II, part 1, 389). No width adjustment (see col. 4). |

| 1609 Silk and rayon fabrics | Avg. unit value of rayon, silk, and silk mixtures, broad woven goods, over 12" wide (609, 1939, II, part 1, 314) times ratio for rayon manufactures and silk manufactures of value added to value (0.3883, from 609, 1939, II, part 1, 309). Adjusted for width as in col. 4. |
|-----------------------------------|---|
| 1611 Woolen and worsted fabrics | Avg. unit value of woven woolen goods (609, 1939, II, part 1, 325) times ratio for woolen and worsted manufactures of value added to value (0.3866, from 609, 1939, II, part 1, 322). Adjusted for width as in col. 4. |
| 1614 Felt footwear | Avg. value of 4 lbs. (see col. 4) of boots, shoes, and slipper felt and linings (609, 1939, II, part 1, 376) times ratio for felt goods of value added to cost of materials (0.8067, from 609, 1939, II, part 1, 375). |
| Derivation of | of 1954 U.S. Weights (col. 7) |
| 103 Steel ingots and castings | 609, 1954, II, part 2, 33A-14, 33A-19 ff. Avg. unit value of carbon, alloy, and stainless steel shipped for sale and interplant transfer weighted by total production of each. |
| 202 Copper | 649, 1957, 724. |
| 203 Lead | <i>649</i> , 1957, 724. |
| 204 Zinc | <i>649</i> , 1957, 724. |
| 301.1 Hydroelectric power | <i>649</i> , 1957, 533. |
| 302 Anthracite | 649, 1957, 730. |
| 303 Bituminous coal | 649, 1957, 730. |
| 304 Lignite | 610, 12A-4. Total value of shipments. |
| 305 Crude petroleum | 649, 1957, 736. |
| 306 Natural gas | 649, 1957, 734. Value at wells. |
| 401 Soda ash 404 Sulfuric acid | 601, 4. Code 06-11-65. 601, 4. Code 06-11-09. |
| 405.1 Phosphoric fertilizer | 601, 4. Code 06-62-21. |
| 405.2 Ammonium sulfate | 601, 4. Code 06-61-16. |
| 405.3 Potash fertilizer | 601, 4. Code 06-63-11-0.1. |
| 406 Ground natural phosphate | 649, 1957, 723. |
| 410 Red lead | 1939 price (see col. 6) times white lead price |
| | ratio of 1954 to 1939 (1.37, from 601, 4, code |
| | 06-22-16, and 655, No. R 1069, 37). |
| 416 Paper | 609, 1954, II, part 1, 26 A-10-14. Avg. unit value |
| | of all kinds excl. construction paper and |
| | paperboard. |
| 417 Paperboard | 609, 1954, II, part 1, 26 A-14-16. Avg. unit value. |
| 418 Motor vehicle tires | 609, 1954, II, part 2, 30 A-12. Avg. unit value of pneumatic tires (casings) of passenger cars, trucks, and buses, incl. off-the-road. |
| 501 Red bricks | 608, 181. Wholesale price of common brick |
| 505 Sand-lime, silica, and slag | f.o.b. plant. Also, 601, 9. 609, 1954, II, part 2, 32 E-15. Avg. value per |
| bricks | sand-lime brick. |
| 506 Cement | 649, 1957. 722. Converted from barrels at 1 barrel = 170.55 kg. |
| 507 Construction gypsum | 649, 1957, 722. |
| 508 Construction lime | 649, 1957, 722. |
| 510 Lumber | 1947 avg. mill unit value (\$55/1,000 bd. ft. in |
| | 649, 1957, 703) divided by price ratio, 1955 to |

| | | 1947 (1.241, from 608, 29). Converted from bd. ft. at 1 bd. ft. = 0.00236 m ³ . |
|------------|---|---|
| 512 513 | Magnesite metallurgical powder Roll roofing | |
| 516 | Asbestos shingles | m ² at 1 m ² = 1.48 kg. 609, 1954, II, part 2, 32 E-14. Avg. value per 100 ft. ² of asbestos-cement shingles, clapboard, |
| 519 | Window glass | siding, and roofing shingles. 609, 1954, II, part 2, 32 A-9. Avg. value per 1 |
| 601 | Crude alcohol | ft. ² of flat window glass, single strength. Price of ethyl alcohol (\$0.55/gallon, 601, 4) times ratio for distilled liquors of value added |
| 604 | Trust leader | to value (0.5015, from 609 , 1954, II, part 1, 20 G-3). |
| 604 | Hard leather | Avg. wholesale price of 3 kinds of sole leather (light bends, heavy bends, and bellies—\$0.465/1b., 601, 3 ff) times 1939 ratio for leather of |
| 605 | Soft leather | value added to value (0.498, 640, 75). Avg. price of 3 kinds (upper, smooth side; upper, kip side; and upper, chrome tanned—\$0.613/ |
| | | sq. ft., 601, 3 ff) times 1939 ratio for leather of value added to value (0.498, 640, 75). |
| 1501 | Flour | Avg. unit value of wheat flour, excl. blended or prepared (\$5.98/cwt., 609, 1954, II, part 1, 20 D-12) times ratio of value added to value |
| 1503 | Butter | (0.1695, from 609, 1954, II, part 1, 20 D-3). Value added and total shipments (609, 1954, II, part 1, 20 B-1, 20 B-16). |
| 1504 | Vegetable oil | Value added and output of crude cottonseed oil (609, 1954, II, part 1, 28 G-5, 28 G-1). |
| 1506 | Meat slaughtering | Value added and live weight of slaughtered cattle, calves, hogs, sheep, and lambs (609, 1954, II, |
| 1507 | Fish catch | part 1, 20 H-4, 20 A-3). Value and output of cured, dried, pickled, salted, smoked, and kippered fish (594, 585). |
| 1509 | Salt | 649, 1957, 723. |
| 1510 | Raw sugar consumption | Value added and output of refined raw sugar and beet syrup and molasses (609, 1954, II, part 1, 20 F-3, 20 F-104). |
| 1511 | Starch and syrup | Unit value of corn syrup, corn starch, other starch incl. reprocessed, starch reprocessed from purchased stock, and dextrin (\$0.06717/1b. from 609, 1954, II, part 1, 20 H-15-16) |
| | | times ratio for corn wet milling of value added to value (0.3854, from 609, 1954, II, part 1, 20 H-4). |
| 1513 | Canned food | Avg. unit value of canned tomatoes, all kinds (\$0.1419/lb., 609, 1954, II, part 1, 20 C-19) times ratio for canned fruits and vegetables of value added to value (0.3725, from 609, 1954, II, part 1, 20 C-4). |
| 1514 | Beer | Value added of beer and ale (609, 1954, II, part 1, 20 G-2) and output (649, 1957, 805). Converted from barrels into hectoliters at 1 barrel |
| 1515 | Cigarettes | = 1.1735 hectoliters. Value added and output (609, 1954, II, part 1, 21 A-3). Also 649, 1957, 786, 807. |
| | | |

| 1516 | Low-grade tobacco | Value added and output of chewing and smoking tobacco (609, 1954, II, part 1, 21 A-3). |
|------|----------------------------|---|
| 1604 | Cotton fabrics | Avg. unit value of cotton broad-woven fabrics, gray goods (609, 1954, II, part 1, 22 B-15 ff, code 2233) times ratio of value added to (0.4042, from 609 1954, II, part 1, 22 B-5). Converted from yds to m²; then adjusted for width as in col. 4. |
| 1607 | Linen fabrics | Avg. unit value of flax or hemp woven goods and towels (609, 1954, II, part 1, 22 F-14) times ratio for linen goods of value added to value (0.4450, from 609, 1954, II, part 1, 22 F-14). No adjustment for width (see col. 4). |
| 1609 | Silk and rayon fabrics | Avg. unit value of rayon and related broad woven fabrics, gray goods (609, 1954, II, part 1, 22 B-19) times ratio for synthetic broad woven fabrics of value added to value (0.37, from 609, 1954, II, part 1, 22 B-5). For conversion and adjustment, see col. 4. |
| 1611 | Woolen and worsted fabrics | Avg. unit value of woolen and worsted apparel and nonapparel fabrics, excl. woven felt (609, 1954, II, part 1, 22 A-9) times ratio for woolen and worsted fabrics of value added to value (0.3546, from 609, 1954, II, part 1, 22 A-3). Converted from yds to m²; then adjusted for width as in col. 4. |
| 1614 | Felt footwear | Avg. value of 4 lbs. (see col. 4) of industrial felt (609, 1954, II, part 1, 22 F-12) times ratio for felt goods of value added to cost of materials (0.8122, from 609, 1954, II, part 1, 22 F-3). |

TABLE D-9

Value-Added and Employment Weights Used in Indexes for All Civilian
Industrial Products

| Code | | Value Added, 1927/28 (mill. rubles) (1) | Value per Unit, 1927/28 (rubles) (2) | Employment, 1955 (per cent) (3) | Value per Unit, 1955 (rubles) (4) |
|------------|--------------------------------|--|---|--|--|
| | mining and metals | , | | _ | 916 |
| 101 102 | Pig iron Rolled steel | 286.8 | 52.5 47.7 | } | 316 198 |
| 102 | Steel ingots and castings |) 200.0 | 70.9 | ſ | 246 |
| 704 | Iron ore | 27.6 | . 0.0 | | 2.0 |
| 706 | Manganese ore | 6.8 | | } | |
| | C | | | 5.7 | |
| | | 321.2 | | 3.7 | |
| Nonferro | ous mining and metals | 18.2 | | | |
| 202 | Copper | | 995 | | 5,950 |
| 203 | Lead | | 675 | j | 7,150 |
| 204 | Zinc | | 700 | J | 3,150 |
| Fuel and | electricity | | | | |
| 301 | Electric power | 274.4 | | 1.5 | |
| 302 | Anthracite |) | 10.8 | | 98 |
| 303 | Bituminous coal | 333.5 | 9.8 | | 77 70 |
| 303.1 | Coke | | 7.6 | • | 76 |
| 304 | Lignite |) | 6.9 28.7 | 7.7 | 57 52 |
| 305 306 | Crude petroleum Natural gas | 287.3 | 0.058 | ĺ | 0.105 |
| 307 | Oil shale | , n.i. | 0.030 | | 39.7 |
| 308 | Peat | 31.1 | | | 34 |
| 300 | Teat | | |] | 31 |
| | | 926.3 | | 9.2 | |
| Chemica | ils (incl. rubber and paper) | | | 5.5 | |
| 401 | Soda ash |) | 73 | | 275 |
| 402 | Caustic soda | | 195 | | 1,100 |
| 404.1 | Sulfuric acid | | 101.9 | | 183 |
| 405.1 | Phosphoric fertilizer | 25.5 | 39.9 | | 135 |
| 405.2 | Ammonium sulfate | 1 | 100 | | 340 |
| 405.3 | Potash fertilizer | | 62.4 | | 210 |
| 406 | Ground natural phos- phate | | 12 | | 42 |
| 410 | Red lead | 1.7 | 14 | | 7,300 |
| 412 | Synthetic dyes | 10.7 | | n.i. | 7,500 |
| 416 | Paper |) | 444 | | 1,900 |
| 417 | Paperboard | 63.9 | 275 | | 1,780 |
| 418 | Motor vehicle tires |) 66.7 | 83 | | 430 |
| 1602 | Rubber footwear | 66.7 | 3.1 | | 33 |
| | | 168.5 | | | |

TABLE D-9 (continued)

| | | TABLE D-9 (c | ontinued) | | |
|-------------|----------------------------|--|---|--|--|
| Code | | Value Added, 1927/28 (mill. rubles) (1) | Value per Unit, 1927/28 (rubles) (2) | Employment, 1955 (per cent) (3) | Value per Unit, 1955 (rubles) (4) |
| Constru | ction materials | | | 18.1 | |
| 501 | Red bricks |) | 38 | | 205 |
| 50 5 | Sand-lime, silica, and | | | | |
| | slag bricks | 1 | 38 | | 160 |
| 507 | Construction gypsum | 88.8 | 11 | | 100 |
| 508 | Construction lime | 60.0 | 15.4 | | 100 |
| 512 | Magnesite metall. powder | | 286.7 | | 122 |
| 513 | Roll roofing | Ì | 0.355 | | 1.035 |
| 516 | Asbestos shingles | J | 147 | | 377 |
| 506 | Cement | 33.9 | | | 116 |
| 509 | Industrial timber hauled | 577.0 | | | 78 |
| 510 | Lumber | 144.9 | 28.6 | | 77 |
| 511 | Plywood | 144.9 | 131.9 | | 822 |
| 514 | Roofing iron | 28.1 | | | 7 4 8 |
| 518 | Rails | 4.4 | | | 72 |
| 519 | Window glass | 58.7 | | | 6.0 |
| 502 | Fire-clay bricks | n.i. | | | 179 |
| 503 | Magnesite bricks | n.i. | | | 355 |
| 504 | Quartzite bricks | n.i. | | | 227 |
| | | | | | |
| | | 935.8 | | | |
| Transpo | ortation equipment | 60.8 | | 11.3 | |
| 901 | Automobiles | | 10,800 | | 12,100 |
| 902 | Trucks and buses | | 11,258 | | 14,150 |
| 903 | Diesel and electric | | • | | • |
| | locomotives | | 235,000 | | 1,040,000 |
| 904 | Steam locomotives | | 100,100 | | 890,000 |
| 905 | RR freight cars | | 5,450 | | 36,500 |
| 906 | RR passenger cars | | 16,400 | | 245,700 |
| 907 | Narrow-gauge RR cars | n.i. | • | | 10,500 |
| 908 | Street and subway cars | n.i. | | | 146,900 |
| Agricul | tural machinery | 83.6 | | 6.9 | |
| 1001 | Tractors | | 5,352 | | 16,000 |
| 1002 | Plows, tractor-drawn | | 135 | | 2,225 |
| 1003 | Paring plows, tractor- | | | | • |
| | drawn | | 190 | | 3,075 |
| 1004 | Plows, horse-drawn | | 21.5 | | 350 |
| 1005 | Harrows, tractor-drawn | | 92.7 | | 2,300 |
| 1006 | Harrows, horse-drawn | | 20.9 | | 350 |
| 1007 | Cultivators, tractor-drawn | | 105 | | 1,700 |
| 1008 | Cultivators, horse-drawn | n.i. | - | | 170 |
| 1009 | Drills, tractor-drawn | | 243.3 | | 2,000 |
| 1010 | Drills, horse-drawn | | 150 | | 1,000 |
| 1013 | Potato planters, tractor- | | | | -, |
| | drawn | n.i. | | | 4,400 |
| | | | | | ., |

TABLE D-9 (continued)

| Code | | Value Added, 1927/28 (mill. rubles) (1) | Value per Unit, 1927/28 (rubles) (2) | Employment, 1955 (per cent) (3) | Value per Unit, 1955 (rubles) (4) |
|--------------|---|--|---|--|--|
| 1014 | Machines for planting seedlings | n.i. | | | 7,350 |
| 1016 | Grain combines | n.i. | | | 20,500 |
| 1017 | All other combines | n.i. | | | 14,400 |
| 1018 | Windrowers | n.i. | | | 4,200 |
| 1019 | Reapers, horse-drawn | | 163.3 | | 840 |
| 1020 | Cotton pickers | n.i. | | | 22,700 |
| 1021 | Haymowers, tractor-drawn | | 166 | | 5,050 |
| 1022 | Haymowers, horse-drawn | | 127.5 | | 530 |
| 1023 | Rakers, tractor-drawn | n.i. | | | 2,680 |
| 1024 | Rakers, horse-drawn | | 74 | | 695 |
| 1025 | Threshers, tractor-driven | | 2,272 | | 6,055 |
| 1026 | Threshers, horse-driven | | 245 | | 650 |
| 1027 | Grain-cleaning machines | n.i. | | | 4,925 |
| 1028 | Winnowers, horse-drawn | | 245 | | 700 |
| 1029 | Horse drivings | | 130 | | 950 |
| 1030 | Chaff and silo cutters | n.i. | | | 1,455 |
| Miscella | neous machinery | 45.4 | | 9.7 | |
| 1101 | Steam boilers (capacity) | | 103.4 | | 181.4 |
| 1102 | Water turbines (capacity) | | 46.9 | | 120 |
| 1103 | Steam and gas turbines | | | | |
| | (capacity) | | 34.3 | | 87 |
| 1104 | Locomobiles (capacity) | | 151.1 | | 680 |
| 1105 | Diesel engines (capacity) | | 192.5 | | 357 |
| 1106 | Other internal combustion | | 176 4 | | 045 |
| 1107 | engines | | 176.4 24.3 | | 245 40 |
| 1107 | Turbogenerators (capacity) Hydroelectric generators | | 66 | | 108 |
| 1100 | Electric motors, A.C. | | 101.3 | | 109 |
| 1110 | Power transformers | | 18.8 | | 11.2 |
| 1201 | Coal-mining combines | n.i. | 10.0 | | 56,200 |
| 1202 | Coal-cutting machines | n.i. | | | 32,100 |
| 1203 | Electric mining locomotives | n.i. | | | 22,500 |
| 1204 | Ore-loading machines | n.i. | | | 59,700 |
| 1205 | Deep-shaft pumps | n.i. | | | 465 |
| 1206 | Turbodrills | n.i. | | | 13,000 |
| 1210 | Machine tools | | 2,549 | | 17,600 |
| 1211 | Electric furnaces | n.i. | | | 10,300 |
| 1212 | Spinning machines | | 12,000 | | 35,600 |
| 1213 | Winding machines | n.i. | | | 26,800 |
| 1214 | Looms | | 900 | | 7,400 |
| 1215 | Cotton-carding machines | | 5,900 | | 11,400 |
| 1216 | Knitting machines | | 1,100 | | 5,800 |
| 1217 | Leather-spreading machines | | | | 15,900 |
| 1218 1219 | Leather-dressing machines Typesetting machines, | n.i. | | | 16,200 |
| | linotype | | 10,700 | | 31,000 |
| 1220 | Flat-bed printing press | | 8,500 | | 70,000 |

TABLE D-9 (continued)

| Code | | Value Added, 1927/28 (mill. rubles) (1) | Value per Unit, 1927/28 (rubles) (2) | Employment, 1955 (per cent) (3) | Value per Unit, 1955 (rubles) (4) |
|----------|-----------------------------|--|---|--|--|
| 1221 | Industrial sewing machines | | 132 | - | 890 |
| 1222.1 | Presses | | 400 | | 3,100 |
| 1301 | Excavators | | 129,400 | | 97,500 |
| 1302 | Trench excavators | | 18,200 | | 12,000 |
| 1303 | Stone crushers | | 20,600 | | 24,000 |
| 1304 | Road graders | | 5,900 | | 8,000 |
| 1305 | Self-propelled road graders | n.i. | | | 60,000 |
| 1306 | Concrete mixers | | 3,500 | | 3,400 |
| 1307 | Scrapers, tractor-driven | n.i. | | | 27,300 |
| 1308 | Bulldozers | n.i. | | | 6,000 |
| 1309 | RR cranes, steam | n.i. | | | 126,000 |
| 1310 | Self-propelled cranes | n.i. | | | 48,000 |
| 1311 | Overhead traveling cranes | n.i. | | | 95,100 |
| 1312 | Tower cranes | n.i. | | | 55,000 |
| 1313 | Electric elevators | n.i. | | | 5,300 |
| 1401 | Telephones | | 34 | | 107.5 |
| 1402 | Switchboards, hand-operate | :d | 29 | | 69 |
| 1403 | Switchboards, automatic | | 35 | | 195 |
| 1405 | Calculating machines | | 400 | | 1,400 |
| 1406 | Typewriters | | 500 | n.i. | |
| Food and | d allied products | | | 9.3 | |
| 1501 | Flour | 511.5 | | | 178 |
| 1502 | Macaroni |) | 256 | | 1,800 |
| 1503 | Butter | 214.7 | 429 | | 1,950 |
| 1506 | Meat | 1 | 103 | | 420 |
| 1513 | Canned food |) | 0.0564 | | 0.50 |
| 1504 | Vegetable oil | 71.9 | 120 | n.i. | |
| 1504.1 | Oleomargarine | , , , , , | 909 | 11.1. | 2,600 |
| 1504.2 | Vegetable oil minus | | | | |
| | oleomargarine | n.i. | | | 1,600 |
| 1507 | Fish catch | 194.2 | | | 6,300 |
| 1508 | Soap | 44.8 | | | 1,282 |
| 1509 | Salt | 11.7 | | | 34.2 |
| 1510 | Raw sugar consumption | 210.8 | | n.i. | 2 22 7 |
| 1510.1 | Refined sugar | n.i. | | | 2,025 |
| 1510.2 | Raw sugar minus refined su | | | | 00- |
| | and sugar in candy | n.i. | | | 825 |
| 1511 | Starch and syrup | 9.2 | | | 627 |
| 1514 | Beer | 52.2 | 1.0 | | 76 |
| 1515 | Cigarettes | 75.5 | 1.3 | | 11 |
| 1516 | Low-grade tobacco | , | 3.5 | | 43 |
| 1517 | Matches | 20.6 | 1.4 | | 27 |
| 1518 | Vodka | 108.9 | 14 | | 250 |
| 601 | Crude alcohol |) | 15 . | | 110 |
| 1519 | Candy | 54.7 ——— | 15.1 | | 2,386 |
| | | 1,580.7 | | | |

TABLE D-9 (concluded)

| Code | | Value Added, 1927/28 (mill. rubles) (1) | Value per Unit, 1927/28 (rubles) (2) | Employment, 1955 (per cent) (3) | Value per Unit, 1955 (rubles) (4) |
|------------|------------------------------|--|---|--|--|
| Textiles | and allied products | | | 17.0 | |
| 602 | Ginned cotton | 20.9 | | n.i. | |
| 604 605 | Hard leather Soft leather | } 153.0 | 750 27 | | 8,900 300 |
| 1601 | Boots and shoes | 248.0 | | | 10.7 |
| 1604 | Cotton fabrics | 909.5 | | | 0.82 |
| 1607 | Linen fabrics | 102.3 | | | 1.0 |
| 1609 | Silk and rayon fabrics | 42.9 | | | 2.3 |
| 1611 | Woolen and worsted fabrics | 217.1 | | | 6.8 |
| 1612 | Knitted goods | n.i. | | | 4.6 |
| 1613 | Hosiery | n.i. | | | 1.2 |
| 1614 | Felt footwear | 81.2 | | | 63 |
| | | 1,774.9 | | | |
| Consum | er durables | 8.6 | | 3.1 | |
| 1701 | Bicycles | | 162.5 | | 580 |
| 1702 | Cameras | | 45 | | 720 |
| 1703 | Electric light bulbs | | 0.45 | | 1.25 |
| 1704 | Phonographs | | 247 | | 340 |
| 1705 | Radios | | 122 | | 300 |
| 1707 | Household sewing machines | | 30.3 | | 680 |
| 1708 | Clocks and watches | n.i. | | | 171.6 |
| 1709 | Motorcycles | | 1,600 | | 4,000 |
| Total: | | 5,924.0 | | 95.8 | |

n.i.: not included.

Sources and Derivation of Table D-9

Value Added, 1927/28 (col. 1)

In general, the value-added weights are taken from Table C-2. Value added for the following industrial categories was not used because no corresponding output series were available: petroleum refining; artificial gas; shipbuilding; metal products; extraction of minerals for the chemical, construction, and glass and china industries; pharmaceutical chemicals; china; extraction of all other minerals; miscellaneous wood products; primary processing of mixed fibers; hemp and jute products; knitted goods; garment industry; fur industry; printing, publishing, and stationery; "all others"; and district railroad repair shops. When the 1927/28 value of output as computed from outputs in Table B-2 and unit values in Table D-8 was within 10% of the value of output for that industry as given in Table C-2, the entire value added was used as a weight. When the computed value was not within this range, value added was multiplied by the ratio of computed to given (Table C-2) value of output. The following tabulation gives these ratios rounded to three decimal places:

| Nonferrous mining and metallurgy | 0.347 |
|-------------------------------------|-------|
| Electric power stations | 2.241 |
| Basic chemicals | 0.591 |
| Paints and varnishes | 0.074 |
| All other chemicals | 0.228 |
| Pulp and paper | 0.723 |
| Rubber | 0.650 |
| Glass | 0.748 |
| Electrical and industrial machinery | 0.179 |
| All other food | 0.721 |
| Grease, tallow, soap, and perfume | 0.610 |
| Beer and malt | 0.857 |
| Wine, yeast, and vodka | 0.661 |
| Confectionery | 0.749 |
| Felt products | 0.837 |
| Consumer durables | 0.179 |

Value added for roofing iron and rails was computed as output (Table B-2) times unit value added (Table D-8).

Value added for tractors (derived as 3.1 mill. rubles from value of output times 0.45, the ratio for land transportation equipment of value added to value of output) was transferred from land transportation equipment to agricultural machinery.

Value added of electrical and industrial machinery was apportioned to miscellaneous machinery and consumer durables on the basis of computed value of output.

Value per Unit, 1927/28 (col. 2)

From Table D-8.

Employment, 1955 (col. 3)

Percentage breakdown of production workers (180, 24). The percentage for timber haulage, wood industry, and paper industry (14.7%) was apportioned as follows on the basis of computed value of output: (1) to the paper industry (2.3%), included under chemicals; (2) to timber, lumber, and plywood (12.2%), included under construction materials; and (3) to matches (0.2%), included under food and allied products. The percentage for machine building and metal products (31.0%) was apportioned as follows on the basis of computed value of output: (1) to transportation equipment (11.3%); (2) to agricultural machinery (6.9%); (3) to miscellaneous machinery (9.7%); and (4) to consumer durables (3.1%).

Value per Unit, 1955 (col. 4)

From Table D-8.

TABLE D-10 LIST OF SOVIET OUTPUT SERIES INCLUDED IN INDEXES OF INDUSTRIAL PRODUCTION, 1913–1955 (entry indicates indexes in which series is included^a)

| | | | r Industrial erials | Indexes for Finished | Indexes for All Industrial Products |
|------------|------------------------------|-------------------|------------------------|----------------------------|--|
| Code | | Soviet Weights | U.S. Weights | Industrial Products | |
| Interme | ediate industrial products | | | | |
| 101 | Ferrous metals | | | | |
| 101 | Pig iron | | | | Both |
| 102 | Rolled steel | | | | Both |
| 103 | Steel ingots and castings | All | All | | Both |
| 704 | Iron ore | | | | Both |
| 706 | Manganese ore | | | | Both |
| | Nonferrous metals | | | | |
| 202 | Copper | All | All | | Both |
| 203 | Lead | All | All | | Both |
| 204 | Zinc | All | All | | Both |
| | Fuel and electricity | | | | |
| 301 | Electric power | | | | Both |
| 301.1 | Hydroelectric power | B,C | All | | |
| 302 | Anthracite | All | All | | Both |
| 303 | Bituminous coal | All | All | | Both |
| 303.1 | Coke | | | | Both |
| 304 | Lignite | All | All | | Both |
| 305 | Crude petroleum | All | All | | Both |
| 306 | Natural gas | B,C | All | | Both |
| 307 | Oil shale | в,с | | | \mathbf{C} |
| 308 | Peat | All | | | Both |
| 309 | Firewood, consumption | All | | | |
| 401 | Chemicals | A 11 | A 11 | | T |
| 401 402 | Soda ash Caustic soda | All | All | | Both Both |
| 404 404 | Sulfuric acid | All | All | | ьотп |
| 404.1 | Sulfuric acid not used in | All | All | | |
| | phosphoric fertilizer | | | | Both |
| 405.1 | Phosphoric fertilizer | All | All | | Both |
| 405.2 | Ammonium sulfate | All | All | | Both |
| 405.3 | Potash fertilizer | All | All | | Both |
| 406 | Ground natural phosphate | All | All | | Both |
| 410 | Red lead | All | All | | Both |
| 412 | Synthetic dyes | A 11 | A 11 | | В |
| 416 | Paper | All | All | | Both |
| 417 | Paperboard | All | All | | Both |
| 418 | Motor vehicle tires | All | All | D - 4l- | Both |
| 1602 | Rubber footwear ^b | | | Both | Both |
| | Construction materials | | | | . . |
| 501 | Red bricks | All | All | Both | Both |

TABLE D-10 (continued)

| | | Indexes for Industrial Materials | | Indexes for | Indexes |
|--------|--|-------------------------------------|-----------------|------------------------------------|-----------------------------------|
| Code | | Soviet Weights | U.S. Weights | Finished Industrial Products | for All Industrial Products |
| 502 | Fire-clay bricks | | | С | С |
| 503 | Magnesite bricks | | | \mathbf{C} | \mathbf{C} |
| 504 | Quartzite bricks | | | \mathbf{C} | \mathbf{C} |
| 505 | Sand-lime, silica, and | | | \mathbf{C} | \mathbf{C} |
| | slag bricks | All | All | Both | Both |
| 506 | Cement | All | All | Both | Both |
| 507 | Construction gypsum | All | All | Both | Both |
| 508 | Construction lime | All | All | Both | Both |
| 509 | Industrial timber hauled | | | | Both |
| 510 | Lumber | All | All | Both | Both |
| 511 | Plywood | All | | Both | Both |
| 512 | Magnesite metallurgical | D. C | 4.11 | ъ. | |
| -10 | powder | B,C | All | Both | Both |
| 513 | Roll roofing | All | All | Both | Both |
| 514 | Roofing iron | D.C | A 11 | Both | Both |
| 516 | Asbestos shingles | $_{\rm B,C}$ | All | Both | Both |
| 518 | Rails | A 11 | A 11 | Both | Both |
| 519 | Window glass | All | All | Both | Both |
| Machin | nery and equipment (excl. mi Transportation equipment | scellaneous | machinery) | | |
| 901 | Automobiles | | | Both | Both |
| 902 | Trucks and buses | | | Both | Both |
| 903 | Diesel and electric locomotives | | | Both | Both |
| 904 | Steam locomotives, | | | Both | both |
| 304 | main-line | | | Both | Both |
| 905 | Railroad freight cars | | | Both | Both |
| 906 | Railroad passenger cars | | | Both | Both |
| 907 | Railroad cars, | | | | |
| 000 | narrow-gauge ^c | | | Both | C |
| 908 | Street and subway carse | | | Both | С |
| 1001 | Agricultural machinery | | | | ъ., |
| 1001 | Tractors | | | Both | Both |
| 1002 | Tractor-drawn plows | | | Both | Both |
| 1003 | Tractor-drawn paring plows | | | Both | Both |
| 1004 | Horse-drawn plows | | | Both | Both |
| 1005 | Tractor-drawn harrows | | | Both | Both |
| 1006 | Horse-drawn harrows | | | Both | Both |
| 1007 | Tractor-drawn cultivators | | | Both | Both |
| 1008 | Horse-drawn cultivatorse | | | Both | \mathbf{C} |
| 1009 | Tractor-drawn drills | | | Both | Both |
| 1010 | Horse-drawn drills | | | Both | Both |
| 1011 | Combined plows and drillso | : | | В | |
| | | | | | |
| 1013 | Tractor-drawn potato planters | | | C | C |

TABLE D-10 (continued)

| | | Indexes for Industrial Materials Soviet U.S. Weights Weights | | Indexes for Finished | Indexes for All |
|--------------|---|---|--|----------------------------|------------------------|
| Code | | | | Industrial Products | Industrial Products |
| 1014 | Machines for planting seedlings | | | С | С |
| 1016 | Grain combines | | | C | C |
| 1017 | Other combines | | | C | C |
| 1018 | Windrowers | | | C | C |
| 1019 | Horse-drawn reapers | | | Both | Both |
| 1020 | Cotton pickers | | | C | C |
| 1021 | Tractor-drawn haymowers | | | Both | Both |
| 1022 | Horse-drawn haymowers | | | Both | Both |
| 1023 | Tractor-drawn rakers | | | C | C |
| 1024 | Horse-drawn rakers | | | Both | Both |
| 1025 | Tractor-drawn threshers | | | Both | Both |
| 1026 | Horse-drawn threshers | | | Both | \mathbf{Both} |
| 1027 | Grain-cleaning machines | | | C | \mathbf{C} |
| 1028 | Horse-drawn winnowers | | | Both | Both |
| 1029 | Horse drivings | | | Both | Both |
| 1030 | Chaff and silo cutters | | | C | C |
| Miscell | aneous machineryd | | | | |
| | Prime movers and electrical r | nachinery | | | |
| 1101 | Steam boilers | | | Both | Both |
| 1102 | Water turbines | | | Both | Both |
| 1103 | Steam and gas turbines | | | Both | Both |
| 1104 | Locomobiles | | | Both | Both |
| 1105 | Diesel engines | | | Both | Both |
| 1106 | Other internal combus- | | | D 41 | 7 01 |
| 1105 | tion enginese | | | Both | Both |
| 1107 | Turbogenerators ^c | | | Both | Both |
| 1108 1109 | Hydroelectric generators | | | Both Both | Both Both |
| 1110 | Electric motors, A.C. Power transformers | | | Both | Both |
| 1110 | Tower transformers | | | Dotti | Dotti |
| | Mining and industrial machin | nery | | | |
| 1201 | Coal-mining combines | • | | \mathbf{C} | \mathbf{C} |
| 1202 | Coal-cutting machines | | | C | C |
| 1203 | Electric mining locomotives | | | C | C |
| 1204 | Ore-loading machinese | | | C | C |
| 1205 | Deep-shaft pumpse | | | C | C |
| 1206 | Turbodrills | | | C | C |
| 1210 | Machine tools | | | Both | Both |
| 1211 | Electric furnaces | | | C _. | C |
| 1212 | Spinning machinese | | | Both | Both |
| 1213 | Winding machines | | | ČC. | C. |
| 1214 | Looms | | | Both | Both |
| 1215 | Cotton-carding machinese | | | Both | Both |
| 1216 | Knitting machinese | | | Both | Both |

TABLE D-10 (continued)

| | | Indexes for Industrial Materials Soviet U.S. Weights Weights | | Indexes for | Indexes |
|--------|--|--|-------|------------------------------------|-----------------------------------|
| Code | | | | Finished Industrial Products | for All Industrial Products |
| 1217 | Leather-spreading machines | | | С | С |
| 1218 | Leather-dressing machines | | | С | С |
| 1219 | Typesetting machines, linotype | | | Both | Both |
| 1220 | Flat-bed printing presses | | | Both | Both |
| 1221 | Industrial sewing machines | | | Both | Both |
| 1222.1 | Presses | | | Both | Both |
| 1001 | Construction machinery | | | DI | D. al. |
| 1301 | Excavators | | | Both | Both |
| 1302 | Trench excavatorse | | | Both | Both |
| 1303 | Stone crusherse | | | Both | Both |
| 1304 | Road graders, not self-propelled ^c | | | Both | Both |
| 1305 | Self-propelled road graders | | | С | C |
| 1306 | Concrete mixers ^c | | | Both | Both |
| 1307 | Tractor-driven scrapers | | | C | \mathbf{C} |
| 1308 | Bulldozers | | | С | C |
| 1309 | Railroad cranes, steam-operated | | | С | С |
| 1310 | Self-propelled cranes, not railroad cranes | | | С | C |
| 1311 | Overhead traveling cranes ^c | | | С | С |
| 1312 | Tower cranes | | | č | č |
| 1313 | Electric elevatorse | | | Ğ | č |
| | Machinery, n.e.c. | | | | |
| 1401 | Telephonese | | | Both | Both |
| 1402 | Switchboards, hand-operated ^e | | | Both | Both |
| 1403 | Switchboards, automatice | | | Both | Both |
| 1405 | Calculating machinese | | | Both | Both |
| 1406 | Typewriters ^c | | | В | В |
| Consum | ner goods Food and allied products | | | | |
| 1501 | Flour | All | All | Both | Both |
| 1502 | Macaroni | 7 811 | 1 111 | Both | Both |
| 1502 | Butter | All | Ali | Both | Both |
| 1504 | Vegetable oil | All | All | Dom | B |
| 1504.1 | Oleomargarine | | - *** | Both | Both |
| 1504.1 | Vegetable oil minus oleomargarine | | | 2011 | C |

TABLE D-10 (concluded)

| | | | Industrial terials | Indexes for Finished | Indexes for All |
|--------|--|-------------------|-----------------------|----------------------------|------------------------|
| Code | | Soviet Weights | U.S. Weights | Industrial Products | Industrial Products |
| 1506 | Meat slaughtering | All | All | Both | Both |
| 1507 | Fish catch | All | All | Both | Both |
| 1508 | Soap | | | Both | Both |
| 1509 | Salt | All | All | Both | Both |
| 1510 | Raw sugar consumption | All | All | | В |
| 1510.1 | Refined sugar | | | Both | С |
| 1510.2 | Raw sugar minus refined sugar and | | | | |
| | sugar in candy | | | Both | \mathbf{C} |
| 1511 | Starch and syrup | All | All | Both | Both |
| 1513 | Canned food | All | All | Both | Both |
| 1514 | Beer | All | D,F,G | Both | Both |
| 1515 | Cigarettes | All | All | Both | Both |
| 1516 | Low-grade tobacco | All | All | Both | Both |
| 1517 | Matches | | | Both | Both |
| 1518 | Vodka | | | Both | Both |
| 1519 | Candy | All | All | Both | Both |
| 601 | Crude alcohol Textiles and allied produc Boots and shoes | | • | Both | Both Both |
| 602 | Ginned cotton | | | восп | В |
| 1604 | Cotton fabrics | All | All | Both | Both |
| 1607 | Linen fabrics | All | All | Both | Both |
| 1609 | Silk and rayon fabrics | All | All | Both | Both |
| 1611 | Woolen and worsted | All | All | Dotti | Dour |
| 1011 | fabrics | All | All | Both | Both |
| 1612 | Knitted goodsc | | | C | C |
| 1613 | Hosiery ^c | | | č | č |
| 1614 | Felt footwear | All | All | Both | Both |
| 604 | Hard leather | Ail | All | | Both |
| 605 | Soft leather | All | All | | Both |
| | Consumer durables | | | | |
| 1701 | Bicycles | | | Both | Both |
| 1702 | Cameras | | | Both | Both |
| 1703 | Electric light bulbs | | | Both | Both |
| 1704 | Phonographs | | | Both | Both |
| 1705 | Radios | | | Both | Both |
| 1707 | Household sewing | | | | |
| | machines | | | Both | Both |
| 1708 | Clocks and watches | | | C | C |
| 1709 | Motorcycles | | | Both | Both |

^a When series is included in all variants of the specified index, the word "all" or "both" is entered. Otherwise, variant in which series is included is indicated as follows: A, 1913 Soviet weights; B, 1928 Soviet weights; C, 1955 Soviet weights; D, 1914 U.S. weights; E, 1929 U.S. weights; F, 1939 U.S. weights; and G, 1954 U.S. weights.

^b Rubber footwear was included in textiles in the index for finished industrial products.

^c Output data missing for one or more benchmark years.

d These items are included in illustrative indexes only, not in the basic indexes.

TABLE D-11
LIST OF RUSSIAN OUTPUT SERIES INCLUDED IN PRODUCTION
INDEX FOR INDUSTRIAL MATERIALS, 1860–1913

| Code | | Period Covered |
|-------|---------------------------|-----------------|
| 103 | Steel ingots and castings | 1860–1913 |
| 202 | Copper | 1860-1913 |
| 203 | Lead | 1860-1913 |
| 204 | Zinc | 1860-1913 |
| 305 | Crude petroleum | 1860-1913 |
| 310 | Coal | 1860-1913 |
| 401 | Soda ash | 1860-1913 |
| 404 | Sulfuric acid | 1860-1913 |
| 405.1 | Phosphoric fertilizer | 1860-1913 |
| 411 | Zinc oxide | 1860-1913a |
| 420 | White lead | 1860-1913a |
| 501 | Red bricks | 1890-1913a |
| 506 | Cement | 1893-1913a |
| 518 | Rails | 1878-1913a |
| 519 | Window glass | 1900-1912a |
| 601 | Crude alcohol | 1859/60-1912/13 |
| 602.1 | Ginned cotton consumption | ı 1860–1913 |
| 1501 | Flour | 1888-1912a |
| 1504 | Vegetable oil | 1888-1913a |
| 1509 | Salt | 1860-1913 |
| 1510 | Raw sugar | 1859/60-1912/13 |
| 1511 | Starch and syrup | 1888-1913a |
| 1514 | Beer | 1896-1913a |
| 1515 | Cigarettes | 1860-1913 |
| 1516 | Low-grade tobacco | 1881-1913a |
| 1610 | Woolen yarn | 1893-1913a |
| | | |

^a Output data missing for one or more benchmark . years.

