

Appendix 1. Grain price and tariff data

Grain prices

The British, French, German and US price data are based on the Board of Trade's (1909) Statistical Tables and Charts Relating to British and Foreign Trade and Industry. The publication gives grain prices from 1854 to 1908, all converted to shillings per Imperial Quarter (rye prices are expressed in shillings per cwt.).¹ The British prices are the standard Gazette prices for England and Wales. The other European prices are market averages, whereas US prices are for particular grades of grain in Chicago (for example, wheat prices are for winter wheat). An earlier (1903) report had commented on this problem, and had calculated average Liverpool prices for winter wheat between 1892 and 1901. On average, winter wheat cost 1s.3d. more than than the Gazette average price, and Chicago wheat prices are therefore adjusted downwards by this amount in the paper. However, no attempt is made to adjust other Chicago grain prices. This implies that for grains other than wheat these data may not accurately measure price gap levels. Nevertheless, the data should still be useful in inferring trends in price gaps.

The 1903 report concluded that "Subject to the above observation respecting the New York price, the prices quoted for the various countries are believed to be as nearly comparable as any which could be obtained, though it is possible, that the French prices may be somewhat raised as compared with the English, by differences of average quality and of situation of the market" [Board of Trade (1903), p. 120].

National grain price indices are then spliced onto these series for the remaining years through 1913. The gold standard meant that exchange rate fluctuations were of no concern for these four countries during this period (1908-13). Sources used are as follows:

Britain

The Gazette prices for England in Wales, as reported in Mitchell (1988, pp. 756-57).

France

Annuaire Statistique de la France: Résumé Rétrospectif 1966, Table II, p. 407, Table V, p. 410.

Germany

Hoffmann (1965), Table 135, pp. 552-54.

United States

Wheat prices: Harley (1980), Appendix Table, pp. 246-47 (Chicago No. 2 spring). Other grain prices are taken from Historical Statistics of the United States (1975). Oats prices: series K-513, p. 511, part 1. Barley prices: series K516, p. 511, Part 1. Rye prices: series K-528, p. 513, Part 1.

Danish and Swedish prices are taken from national sources and converted to shillings per Imperial Quarter. The conversion from crowns into sterling was made at the gold standard parity of 18.16 crowns to the pound. Danish and Swedish rye prices had to be converted from volume to weight terms. The conversion factor for rye was derived by comparing the Danish output figures in thousands of tons given in Johansen (1985, Table 2.9, p. 147) with those given in thousands of hectolitres in Mitchell (1981, Table D2, pp. 254, 266). The data for 1875-1910 imply an average conversion factor of 13.6 hectolitres per metric ton.

¹ The report only gives Bavarian prices through 1906; for grains other than wheat, the report only gives French prices through 1907.

Sweden

Swedish grain prices were obtained from Jörberg (1972, pp. 635-36, 640-41).

Denmark

Danish prices (kapiteltakster) before 1900 were obtained from Christensen (1985, pp. 102-03); after 1900, they were taken from the Danish Statistisk Aarboq (various years).

Odessa prices

Odessa prices are taken from Harley (1980), Appendix Table, pp. 246-47, where they are expressed in gold dollars per bushel. Dollars are converted to pounds at \$4.8665 = £1.

Tariff data

French and German tariff data are taken from the Board of Trade (1909), where they are expressed in shillings per cwt. There were no changes in French or German grain tariffs between 1908 and 1913. Swedish tariffs were taken from Kuuse (1971, p. 44, fn. 25), and were also expressed by weight. Barley, oats and wheat weights were converted to volumes by comparing the British output figures for 1885 given in Mitchell (1988, p. 196) in thousands of tons, and those for the same year in Mitchell and Deane (1962, p. 86), given in thousands of bushels. These data implied that there were 36.17 bushels of wheat to the ton, 41.71 bushels of barley, and 56.29 bushels of oats.

Appendix Tables 1.1 to 1.4 give the basic price and tariff data for all four grains. Column headings are as follows:

PB: British price
PF: French price
PP: Prussian price
PBAV: Bavarian price
PUS: US price
PSW: Swedish price
PDK: Danish price
POD: Odessa price
TARF: French tariff
TARG: German tariff
TARS: Swedish tariff

Appendix Table 1.1. Wheat prices and tariffs, 1870-1913

(shillings per Imperial Quarter)

| YEAR | PB | PF | PP | PBAV | PUS | PSW | PDK | POD | TARF | TARG | TARS |
|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------|
| 1870 | 46.92 | 46.60 | 43.67 | 44.92 | 28.67 | 38.64 | 41.90 | 33.25 | 1.04 | 0.00 | 0.00 |
| 1871 | 56.67 | 59.67 | 50.17 | 51.92 | 38.08 | 44.38 | 49.56 | 40.04 | 1.04 | 0.00 | 0.00 |
| 1872 | 57.00 | 53.92 | 51.75 | 56.58 | 39.90 | 48.64 | 48.80 | 40.72 | 1.04 | 0.00 | 0.00 |
| 1873 | 58.67 | 59.58 | 56.50 | 63.33 | 38.40 | 52.52 | 52.40 | 47.50 | 1.04 | 0.00 | 0.00 |
| 1874 | 55.75 | 58.42 | 51.42 | 56.83 | 34.42 | 43.32 | 39.18 | 42.08 | 1.08 | 0.00 | 0.00 |
| 1875 | 45.17 | 45.00 | 41.92 | 46.42 | 30.54 | 41.05 | 41.07 | 39.70 | 1.08 | 0.00 | 0.00 |
| 1876 | 46.17 | 47.92 | 45.00 | 50.33 | 31.67 | 43.26 | 45.00 | 40.38 | 1.08 | 0.00 | 0.00 |
| 1877 | 56.75 | 54.58 | 49.25 | 54.67 | 40.17 | 46.36 | 41.43 | 31.22 | 1.08 | 0.00 | 0.00 |
| 1878 | 46.42 | 49.42 | 43.25 | 49.17 | 33.92 | 38.42 | 36.00 | 33.25 | 1.08 | 0.00 | 0.00 |
| 1879 | 43.83 | 51.50 | 41.92 | 48.33 | 32.75 | 40.66 | 42.45 | 42.08 | 1.08 | 2.17 | 0.00 |
| 1880 | 44.33 | 51.67 | 46.83 | 52.58 | 36.08 | 42.46 | 41.04 | 43.09 | 1.08 | 2.17 | 0.00 |
| 1881 | 45.33 | 51.67 | 47.08 | 53.25 | 37.50 | 45.12 | 42.10 | 43.09 | 1.04 | 2.17 | 0.00 |
| 1882 | 45.08 | 44.92 | 44.58 | 50.17 | 40.83 | 40.31 | 36.62 | 38.34 | 1.04 | 2.17 | 0.00 |
| 1883 | 41.58 | 44.25 | 39.58 | 45.25 | 34.33 | 39.32 | 35.10 | 36.31 | 1.04 | 2.17 | 0.00 |
| 1884 | 35.67 | 41.33 | 37.00 | 42.33 | 30.67 | 33.36 | 29.90 | 29.52 | 1.04 | 2.17 | 0.00 |
| 1885 | 32.83 | 38.25 | 34.67 | 39.92 | 28.17 | 30.18 | 27.27 | 25.11 | 5.17 | 6.54 | 0.00 |
| 1886 | 31.00 | 38.50 | 33.58 | 40.83 | 26.42 | 29.25 | 29.71 | 30.54 | 5.17 | 6.54 | 0.00 |
| 1887 | 32.50 | 41.17 | 35.17 | 40.08 | 25.17 | 26.92 | 28.40 | 27.48 | 8.67 | 6.54 | 0.00 |
| 1888 | 31.83 | 43.75 | 37.25 | 42.25 | 28.75 | 33.96 | 29.64 | 27.48 | 8.67 | 10.88 | 6.19 |
| 1889 | 29.75 | 42.08 | 39.17 | 43.50 | 30.17 | 34.03 | 28.88 | 26.47 | 8.67 | 10.88 | 6.19 |
| 1890 | 31.92 | 44.08 | 41.17 | 46.50 | 28.08 | 34.48 | 28.86 | 28.84 | 8.67 | 10.88 | 6.19 |
| 1891 | 37.00 | 47.83 | 47.50 | 50.33 | 31.92 | 38.87 | 36.00 | 30.88 | 5.17 | 10.88 | 6.19 |
| 1892 | 30.25 | 41.50 | 40.50 | 43.75 | 25.83 | 32.65 | 27.04 | 30.54 | 8.67 | 7.63 | 3.09 |
| 1893 | 26.33 | 37.75 | 32.50 | 35.75 | 22.00 | 29.93 | 25.27 | 26.13 | 8.67 | 7.63 | 3.09 |
| 1894 | 22.83 | 34.50 | 28.92 | 30.42 | 18.00 | 25.02 | 20.43 | 19.68 | 12.17 | 7.63 | 3.09 |
| 1895 | 23.08 | 32.75 | 30.00 | 32.33 | 19.42 | 27.08 | 22.64 | 18.66 | 12.17 | 7.63 | 9.16 |
| 1896 | 26.17 | 33.33 | 32.75 | 35.75 | 20.83 | 31.14 | 27.25 | 20.70 | 12.17 | 7.63 | 9.16 |
| 1897 | 30.17 | 43.75 | 35.42 | 40.42 | 26.08 | 36.62 | 30.19 | 24.77 | 12.17 | 7.63 | 9.16 |
| 1898 | 34.00 | 45.67 | 39.83 | 42.50 | 29.17 | 36.27 | 27.82 | 31.56 | 12.17 | 7.63 | 9.16 |
| 1899 | 25.67 | 34.92 | 33.17 | 36.42 | 23.17 | 35.18 | 24.94 | 26.81 | 12.17 | 7.63 | 9.16 |
| 1900 | 26.92 | 33.67 | 32.08 | 35.58 | 22.92 | 34.54 | 24.14 | 26.13 | 12.17 | 7.63 | 9.16 |
| 1901 | 26.75 | 35.25 | 34.67 | 37.67 | 23.50 | 34.22 | 27.45 | 25.45 | 12.17 | 7.63 | 9.16 |
| 1902 | 28.08 | 37.75 | 35.17 | 37.08 | 24.25 | 32.55 | 24.62 | 25.11 | 12.17 | 7.63 | 9.16 |
| 1903 | 26.75 | 39.67 | 33.17 | 35.83 | 25.92 | 33.29 | 25.45 | 25.11 | 12.17 | 7.63 | 9.16 |
| 1904 | 28.33 | 37.92 | 36.17 | 38.67 | 34.50 | 34.48 | 29.92 | 26.47 | 12.17 | 7.63 | 9.16 |
| 1905 | 29.67 | 40.83 | 36.58 | 39.50 | 33.50 | 34.99 | 29.27 | 28.50 | 12.17 | 7.63 | 9.16 |
| 1906 | 28.25 | 41.00 | 37.25 | 40.58 | 26.00 | 34.96 | 26.35 | 28.50 | 12.17 | 11.83 | 9.16 |
| 1907 | 30.58 | 40.58 | 43.08 | 46.45 | 29.92 | 38.32 | 34.71 | | 12.17 | 11.83 | 9.16 |
| 1908 | 32.00 | 38.42 | 43.67 | 47.35 | 32.75 | 38.07 | 31.32 | | 12.17 | 11.83 | 9.16 |
| 1909 | 36.92 | 40.12 | 48.03 | 52.08 | 37.40 | 38.96 | 31.85 | | 12.17 | 11.83 | 9.16 |
| 1910 | 31.67 | 43.11 | 42.42 | 45.99 | 37.76 | 37.20 | 29.80 | | 12.17 | 11.83 | 9.16 |
| 1911 | 31.67 | 43.97 | 42.42 | 45.99 | 32.39 | 38.87 | 32.61 | | 12.17 | 11.83 | 9.16 |
| 1912 | 34.75 | 47.81 | 45.12 | 48.93 | 33.82 | 38.16 | 30.84 | | 12.17 | 11.83 | 9.16 |
| 1913 | 31.67 | 46.53 | 41.17 | 44.64 | 31.32 | 35.92 | 28.97 | | 12.17 | 11.83 | 9.16 |

Appendix Table 1.2. Barley prices and tariffs, 1870-1913

(shillings per Imperial Quarter)

| YEAR | PB | PF | PP | PBAV | PUS | PSW | PDK | TARF | TARG | TARS |
|------|-------|-------|-------|-------|-------|-------|-------|------|------|------|
| 1870 | 34.58 | 29.08 | 25.33 | 26.25 | 22.33 | 23.23 | 23.52 | 0.00 | 0.00 | 0.00 |
| 1871 | 36.17 | 31.83 | 27.08 | 28.25 | 22.58 | 24.42 | 25.86 | 0.00 | 0.00 | 0.00 |
| 1872 | 37.33 | 25.25 | 27.08 | 30.42 | 18.00 | 26.85 | 27.25 | 0.40 | 0.00 | 0.00 |
| 1873 | 40.42 | 32.08 | 32.42 | 39.17 | 24.67 | 30.73 | 30.86 | 0.00 | 0.00 | 0.00 |
| 1874 | 44.92 | 34.25 | 35.75 | 35.08 | 39.25 | 32.68 | 30.40 | 0.00 | 0.00 | 0.00 |
| 1875 | 38.42 | 27.75 | 30.00 | 32.17 | 34.50 | 28.23 | 29.04 | 0.00 | 0.00 | 0.00 |
| 1876 | 35.17 | 28.67 | 30.00 | 32.92 | 21.33 | 29.03 | 30.72 | 0.00 | 0.00 | 0.00 |
| 1877 | 39.67 | 30.42 | 30.17 | 34.17 | 19.92 | 29.06 | 27.73 | 0.00 | 0.00 | 0.00 |
| 1878 | 40.17 | 30.83 | 28.00 | 30.17 | 22.25 | 25.89 | 24.11 | 0.00 | 0.00 | 0.00 |
| 1879 | 34.00 | 29.83 | 26.42 | 30.42 | 26.50 | 24.67 | 26.37 | 0.00 | 0.96 | 0.00 |
| 1880 | 33.08 | 30.08 | 30.00 | 29.83 | 26.83 | 27.43 | 27.87 | 0.00 | 0.96 | 0.00 |
| 1881 | 31.92 | 28.25 | 29.67 | 32.08 | 36.83 | 27.36 | 26.23 | 0.00 | 0.96 | 0.00 |
| 1882 | 31.17 | 28.25 | 27.42 | 27.17 | 32.00 | 24.19 | 23.84 | 0.00 | 0.96 | 0.00 |
| 1883 | 31.83 | 26.75 | 26.08 | 27.67 | 22.50 | 23.62 | 25.22 | 0.00 | 0.96 | 0.00 |
| 1884 | 30.67 | 26.50 | 26.67 | 28.92 | 21.33 | 22.91 | 24.53 | 0.00 | 0.96 | 0.00 |
| 1885 | 30.08 | 25.58 | 25.50 | 27.58 | 23.00 | 21.50 | 21.74 | 2.32 | 2.88 | 0.00 |
| 1886 | 26.58 | 23.83 | 24.08 | 27.00 | 23.58 | 20.73 | 21.19 | 2.32 | 2.88 | 0.00 |
| 1887 | 25.33 | 22.92 | 22.83 | 28.50 | 20.92 | 17.62 | 20.52 | 2.32 | 2.88 | 0.00 |
| 1888 | 27.83 | 25.00 | 24.08 | 27.33 | 27.25 | 20.96 | 21.65 | 2.32 | 4.32 | 5.37 |
| 1889 | 25.83 | 25.00 | 27.00 | 29.17 | 22.92 | 21.88 | 24.30 | 2.32 | 4.32 | 5.37 |
| 1890 | 28.67 | 26.17 | 29.42 | 31.25 | 18.58 | 22.11 | 22.43 | 2.32 | 4.32 | 5.37 |
| 1891 | 28.17 | 26.50 | 30.50 | 30.42 | 21.00 | 25.67 | 25.98 | 2.32 | 4.32 | 5.37 |
| 1892 | 26.17 | 23.17 | 27.83 | 28.92 | 17.50 | 22.91 | 21.35 | 4.72 | 3.84 | 2.68 |
| 1893 | 25.58 | 24.67 | 25.50 | 29.00 | 16.08 | 22.24 | 21.42 | 4.72 | 3.84 | 2.68 |
| 1894 | 24.50 | 23.83 | 23.50 | 23.75 | 17.67 | 19.48 | 19.25 | 4.72 | 3.84 | 2.68 |
| 1895 | 21.92 | 21.17 | 22.25 | 27.75 | 14.75 | 20.60 | 19.14 | 4.72 | 3.84 | 7.94 |
| 1896 | 22.92 | 22.00 | 23.17 | 27.92 | 10.25 | 22.08 | 20.61 | 4.72 | 3.84 | 7.94 |
| 1897 | 23.50 | 24.08 | 24.08 | 31.42 | 11.08 | 24.77 | 21.12 | 4.72 | 3.84 | 7.94 |
| 1898 | 27.17 | 25.92 | 26.67 | 30.75 | 14.92 | 24.22 | 21.97 | 4.72 | 3.84 | 7.94 |
| 1899 | 25.58 | 24.67 | 25.75 | 29.75 | 15.25 | 25.15 | 23.31 | 4.72 | 3.84 | 7.94 |
| 1900 | 24.92 | 24.67 | 25.50 | 28.33 | 16.58 | 24.86 | 21.37 | 4.72 | 3.84 | 7.94 |
| 1901 | 25.17 | 24.67 | 25.92 | 28.33 | 20.25 | 25.15 | 21.95 | 4.72 | 3.84 | 7.94 |
| 1902 | 25.67 | 24.83 | 25.33 | 26.42 | 21.75 | 24.64 | 21.65 | 4.72 | 3.84 | 7.94 |
| 1903 | 22.67 | 24.67 | 24.67 | 25.92 | 18.92 | 24.45 | 21.65 | 4.72 | 3.84 | 7.94 |
| 1904 | 22.33 | 23.75 | 24.83 | 28.67 | 18.25 | 24.61 | 23.29 | 4.72 | 3.84 | 7.94 |
| 1905 | 24.33 | 25.75 | 26.58 | 30.75 | 16.67 | 24.90 | 24.28 | 4.72 | 3.84 | 7.94 |
| 1906 | 24.17 | 26.25 | 27.50 | 31.92 | 17.58 | 25.51 | 23.72 | 4.72 | 7.67 | 7.94 |
| 1907 | 25.08 | 27.00 | 30.33 | 34.27 | 26.33 | 27.36 | 26.69 | 4.72 | 7.67 | 7.94 |
| 1908 | 25.83 | 28.10 | 30.00 | 35.05 | 25.25 | 27.59 | 26.16 | 4.72 | 7.67 | 7.94 |
| 1909 | 26.83 | 28.55 | 28.66 | 33.48 | 24.81 | 26.27 | 23.72 | 4.72 | 7.67 | 7.94 |
| 1910 | 23.08 | 24.77 | 26.31 | 30.74 | 27.02 | 25.63 | 23.63 | 4.72 | 7.67 | 7.94 |
| 1911 | 27.25 | 27.30 | 32.01 | 37.40 | 36.77 | 27.52 | 30.08 | 4.72 | 7.67 | 7.94 |
| 1912 | 30.67 | 29.11 | 34.19 | 39.94 | 22.59 | 27.94 | 28.97 | 4.72 | 7.67 | 7.94 |
| 1913 | 27.25 | 26.83 | 27.15 | 31.72 | 23.48 | 26.56 | 25.73 | 4.72 | 7.67 | 7.94 |

Appendix Table 1.3. Oats prices and tariffs, 1870-1913

(shillings per Imperial Quarter)

| YEAR | PB | PF | PG | PBAV | PUS | PSW | PDK | TARF | TARG | TARS |
|------|-------|-------|-------|-------|-------|-------|-------|------|------|------|
| 1870 | 22.83 | 24.58 | 19.75 | 20.42 | 11.75 | 15.09 | 15.98 | 0.00 | 0.00 | 0.00 |
| 1871 | 25.17 | 27.17 | 20.33 | 20.50 | 12.83 | 14.68 | 16.65 | 0.00 | 0.00 | 0.00 |
| 1872 | 23.17 | 20.17 | 19.17 | 17.17 | 8.83 | 15.92 | 16.56 | 0.30 | 0.00 | 0.00 |
| 1873 | 25.42 | 23.08 | 22.25 | 20.83 | 8.25 | 17.91 | 19.67 | 0.00 | 0.00 | 0.00 |
| 1874 | 28.83 | 27.58 | 26.75 | 25.67 | 13.42 | 20.25 | 21.19 | 0.00 | 0.00 | 0.00 |
| 1875 | 28.67 | 25.75 | 25.08 | 22.75 | 15.00 | 17.85 | 20.82 | 0.00 | 0.00 | 0.00 |
| 1876 | 26.25 | 26.58 | 24.67 | 24.08 | 9.67 | 19.00 | 22.16 | 0.00 | 0.00 | 0.00 |
| 1877 | 25.92 | 24.92 | 22.25 | 22.17 | 9.92 | 19.13 | 18.73 | 0.00 | 0.00 | 0.00 |
| 1878 | 24.33 | 24.00 | 19.33 | 18.42 | 7.75 | 14.58 | 15.52 | 0.00 | 0.00 | 0.00 |
| 1879 | 21.75 | 22.75 | 18.67 | 17.92 | 8.58 | 14.29 | 16.05 | 0.00 | 1.42 | 0.00 |
| 1880 | 23.08 | 23.42 | 21.17 | 18.75 | 9.92 | 15.92 | 17.94 | 0.00 | 1.42 | 0.00 |
| 1881 | 21.75 | 22.50 | 22.08 | 20.42 | 12.50 | 16.41 | 18.43 | 0.00 | 1.42 | 0.00 |
| 1882 | 21.83 | 22.75 | 20.33 | 19.33 | 14.92 | 14.39 | 16.19 | 0.00 | 1.42 | 0.00 |
| 1883 | 21.42 | 21.33 | 19.08 | 16.75 | 11.92 | 14.23 | 17.78 | 0.00 | 1.42 | 0.00 |
| 1884 | 20.25 | 20.92 | 20.08 | 18.67 | 10.00 | 14.39 | 18.13 | 0.00 | 1.42 | 0.00 |
| 1885 | 20.58 | 21.50 | 19.92 | 19.17 | 9.83 | 13.87 | 16.12 | 1.72 | 2.13 | 0.00 |
| 1886 | 19.00 | 20.42 | 18.50 | 17.33 | 9.42 | 13.20 | 15.62 | 1.72 | 2.13 | 0.00 |
| 1887 | 16.25 | 19.25 | 15.75 | 16.67 | 8.83 | 10.86 | 14.30 | 3.49 | 2.13 | 0.00 |
| 1888 | 16.75 | 21.17 | 18.08 | 19.92 | 9.92 | 11.86 | 15.32 | 3.49 | 5.68 | 1.59 |
| 1889 | 17.75 | 21.33 | 21.08 | 19.50 | 8.00 | 12.62 | 18.01 | 3.49 | 5.68 | 1.59 |
| 1890 | 18.58 | 22.08 | 22.25 | 23.08 | 9.42 | 12.75 | 16.01 | 3.49 | 5.68 | 1.59 |
| 1891 | 20.00 | 21.83 | 22.50 | 21.17 | 13.33 | 15.51 | 20.08 | 3.49 | 5.68 | 1.59 |
| 1892 | 19.83 | 20.00 | 20.75 | 18.92 | 10.50 | 13.62 | 16.19 | 3.49 | 3.97 | 1.59 |
| 1893 | 18.75 | 23.25 | 22.00 | 22.42 | 9.75 | 15.00 | 17.46 | 3.49 | 3.97 | 0.00 |
| 1894 | 17.08 | 22.75 | 19.33 | 18.83 | 10.67 | 11.79 | 14.19 | 3.49 | 3.97 | 0.00 |
| 1895 | 14.50 | 19.25 | 16.92 | 17.83 | 8.17 | 11.50 | 13.96 | 3.49 | 3.97 | 0.00 |
| 1896 | 14.75 | 18.83 | 17.50 | 20.75 | 6.17 | 12.50 | 15.48 | 3.49 | 3.97 | 0.00 |
| 1897 | 16.92 | 20.67 | 18.67 | 21.25 | 6.25 | 13.78 | 16.35 | 3.49 | 3.97 | 0.00 |
| 1898 | 18.42 | 21.83 | 20.58 | 21.50 | 8.50 | 14.00 | 16.01 | 3.49 | 3.97 | 0.00 |
| 1899 | 17.00 | 20.67 | 19.08 | 20.42 | 8.42 | 15.09 | 16.15 | 3.49 | 3.97 | 0.00 |
| 1900 | 17.58 | 20.67 | 19.08 | 19.50 | 7.83 | 14.58 | 15.75 | 3.49 | 3.97 | 0.00 |
| 1901 | 18.42 | 22.25 | 19.92 | 21.08 | 10.92 | 15.41 | 16.54 | 3.49 | 3.97 | 0.00 |
| 1902 | 20.17 | 22.58 | 21.50 | 22.17 | 13.58 | 15.57 | 16.70 | 3.49 | 3.97 | 0.00 |
| 1903 | 17.17 | 19.92 | 18.75 | 18.92 | 12.17 | 14.80 | 15.78 | 3.49 | 3.97 | 0.00 |
| 1904 | 16.33 | 18.67 | 18.67 | 18.83 | 12.58 | 17.08 | 17.07 | 3.49 | 3.97 | 0.00 |
| 1905 | 17.33 | 21.75 | 20.33 | 22.17 | 10.25 | 15.96 | 17.90 | 3.49 | 3.97 | 0.00 |
| 1906 | 18.33 | 23.92 | 22.42 | 23.83 | 11.25 | 16.34 | 16.79 | 3.49 | 7.11 | 0.00 |
| 1907 | 18.83 | 22.83 | 24.92 | 31.96 | 15.50 | 17.40 | 18.29 | 3.49 | 7.11 | 0.00 |
| 1908 | 17.83 | 21.27 | 22.42 | 29.02 | 17.50 | 16.15 | 16.95 | 3.49 | 7.11 | 0.00 |
| 1909 | 18.92 | 23.77 | 23.41 | 30.30 | 15.36 | 15.89 | 16.84 | 3.49 | 7.11 | 0.00 |
| 1910 | 17.33 | 22.61 | 20.71 | 26.81 | 12.86 | 15.54 | 16.56 | 3.49 | 7.11 | 0.00 |
| 1911 | 18.83 | 24.33 | 23.55 | 30.49 | 16.07 | 17.82 | 20.34 | 3.49 | 7.11 | 0.00 |
| 1912 | 21.50 | 25.89 | 26.11 | 33.79 | 12.14 | 17.82 | 19.09 | 3.49 | 7.11 | 0.00 |
| 1913 | 19.08 | 24.74 | 21.57 | 27.92 | 13.93 | 16.89 | 17.30 | 3.49 | 7.11 | 0.00 |

Appendix Table 1.4. Rye prices and tariffs, 1870-1913

(shillings per cwt.)

| YEAR | PF | PP | PBAV | PUS | PSW | PDK | TARF | TARG | FARS |
|------|------|-------|-------|------|------|------|------|------|------|
| 1870 | 7.92 | 7.75 | 7.33 | 4.83 | 6.65 | 6.75 | 0.00 | 0.00 | 0.00 |
| 1871 | 9.08 | 8.58 | 8.33 | 5.83 | 7.06 | 7.48 | 0.00 | 0.00 | 0.00 |
| 1872 | 7.67 | 8.33 | 9.17 | 4.50 | 7.50 | 7.18 | 0.10 | 0.00 | 0.00 |
| 1873 | 9.00 | 9.58 | 10.83 | 4.50 | 8.51 | 9.18 | 0.00 | 0.00 | 0.00 |
| 1874 | 9.75 | 9.92 | 11.17 | 6.08 | 8.42 | 7.85 | 0.00 | 0.00 | 0.00 |
| 1875 | 7.58 | 9.25 | 8.42 | 6.42 | 7.65 | 7.44 | 0.00 | 0.00 | 0.00 |
| 1876 | 7.83 | 8.67 | 8.75 | 4.67 | 7.68 | 8.06 | 0.00 | 0.00 | 0.00 |
| 1877 | 8.58 | 8.83 | 9.33 | 4.75 | 7.58 | 6.71 | 0.00 | 0.00 | 0.00 |
| 1878 | 8.33 | 7.17 | 8.00 | 4.08 | 6.66 | 5.91 | 0.00 | 0.00 | 0.00 |
| 1879 | 8.67 | 7.25 | 7.92 | 4.00 | 6.57 | 6.65 | 0.00 | 0.50 | 0.00 |
| 1880 | 9.08 | 9.67 | 10.00 | 6.17 | 8.10 | 8.79 | 0.00 | 0.50 | 0.00 |
| 1881 | 8.42 | 10.08 | 10.25 | 7.83 | 8.51 | 8.08 | 0.00 | 0.50 | 0.00 |
| 1882 | 7.92 | 8.00 | 8.92 | 6.25 | 6.84 | 6.34 | 0.00 | 0.50 | 0.00 |
| 1883 | 7.33 | 7.33 | 7.58 | 4.58 | 6.75 | 6.55 | 0.00 | 0.50 | 0.00 |
| 1884 | 7.08 | 7.33 | 8.00 | 4.67 | 6.20 | 6.28 | 0.00 | 0.50 | 0.00 |
| 1885 | 6.75 | 7.17 | 7.75 | 4.67 | 5.45 | 5.17 | 0.60 | 1.50 | 0.00 |
| 1886 | 6.42 | 6.75 | 7.25 | 4.58 | 5.15 | 5.19 | 0.60 | 1.50 | 0.00 |
| 1887 | 6.75 | 6.25 | 7.08 | 4.17 | 4.40 | 4.67 | 0.60 | 1.50 | 0.00 |
| 1888 | 6.75 | 6.75 | 7.67 | 4.58 | 5.67 | 5.39 | 0.60 | 2.50 | 1.40 |
| 1889 | 6.67 | 7.75 | 7.92 | 3.58 | 6.07 | 5.94 | 0.60 | 2.50 | 1.40 |
| 1890 | 7.58 | 8.50 | 8.67 | 3.92 | 6.17 | 5.85 | 0.60 | 2.50 | 1.40 |
| 1891 | 7.67 | 10.42 | 10.17 | 6.25 | 8.26 | 7.77 | 0.60 | 2.50 | 1.40 |
| 1892 | 7.00 | 8.92 | 8.58 | 5.42 | 6.38 | 5.61 | 1.23 | 1.75 | 0.70 |
| 1893 | 6.50 | 6.75 | 7.00 | 3.92 | 5.69 | 5.29 | 1.23 | 1.75 | 0.70 |
| 1894 | 6.00 | 5.92 | 6.08 | 3.75 | 4.88 | 4.44 | 1.23 | 1.75 | 0.70 |
| 1895 | 5.25 | 6.08 | 6.50 | 3.08 | 5.33 | 4.52 | 1.23 | 1.75 | 2.07 |
| 1896 | 5.33 | 6.08 | 7.33 | 2.83 | 5.66 | 4.78 | 1.23 | 1.75 | 2.07 |
| 1897 | 6.83 | 6.33 | 7.50 | 3.17 | 6.16 | 5.40 | 1.23 | 1.75 | 2.07 |
| 1898 | 7.33 | 7.25 | 8.33 | 4.00 | 6.40 | 5.68 | 1.23 | 1.75 | 2.07 |
| 1899 | 6.25 | 7.17 | 7.75 | 4.42 | 7.08 | 5.87 | 1.23 | 1.75 | 2.07 |
| 1900 | 6.00 | 7.17 | 7.67 | 4.17 | 6.79 | 5.40 | 1.23 | 1.75 | 2.07 |
| 1901 | 6.25 | 7.08 | 7.42 | 4.25 | 6.61 | 5.51 | 1.23 | 1.75 | 2.07 |
| 1902 | 6.58 | 7.17 | 7.33 | 4.33 | 6.41 | 5.40 | 1.23 | 1.75 | 2.07 |
| 1903 | 6.58 | 6.58 | 7.33 | 4.17 | 6.39 | 5.29 | 1.23 | 1.75 | 2.07 |
| 1904 | 6.33 | 6.67 | 6.67 | 5.67 | 6.69 | 5.67 | 1.23 | 1.75 | 2.07 |
| 1905 | 6.67 | 7.33 | 7.33 | 5.67 | 6.86 | 6.24 | 1.23 | 1.75 | 2.07 |
| 1906 | 6.75 | 7.83 | 8.67 | 4.92 | 6.89 | 5.75 | 1.23 | 2.50 | 2.07 |
| 1907 | 7.17 | 9.33 | 10.19 | 6.17 | 7.52 | 7.27 | 1.23 | 2.50 | 2.07 |
| 1908 | 6.66 | 9.00 | 9.76 | 6.25 | 7.36 | 6.32 | 1.23 | 2.50 | 2.07 |
| 1909 | 6.53 | 8.60 | 9.32 | 6.27 | 7.26 | 5.93 | 1.23 | 2.50 | 2.07 |
| 1910 | 6.56 | 7.49 | 8.12 | 6.26 | 6.74 | 5.51 | 1.23 | 2.50 | 2.07 |
| 1911 | 7.42 | 8.40 | 9.10 | 6.93 | 7.46 | 6.88 | 1.23 | 2.50 | 2.07 |
| 1912 | 8.43 | 9.30 | 10.08 | 5.59 | 7.58 | 6.56 | 1.23 | 2.50 | 2.07 |
| 1913 | 7.48 | 8.15 | 8.83 | 5.24 | 7.33 | 6.01 | 1.23 | 2.50 | 2.07 |