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A SHORT HISTORY OF ENGLISH AGRICULTURE

BY

W. H. R. CURTLER

SPECIMEN

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PREFACE

'A husbandman', said Markham, 'is the master of the earth, turning barrenness into fruitfulness, whereby all commonwealths are maintained and upheld. His labour giveth liberty to all vocations, arts, and trades to follow their several functions with peace and industrie. What can we say in this world is profitable where husbandry is wanting, it being the great nerve and sinew which holdeth together all the joints of a monarchy?' And he is confirmed by Young: 'Agriculture is, beyond all doubt, the foundation of every other art, business, and profession, and it has therefore been the ideal policy of every wise and prudent people to encourage it to the utmost.' Yet of this important industry, still the greatest in England, there is no history covering the whole period.

It is to remedy this defect that this book is offered, with much diffidence, and with many thanks to Mr. C. R. L. Fletcher of Magdalen College, Oxford, for his valuable assistance in revising the proof sheets, and to the Rev. A. H. Johnson of All Souls for some very useful information.

As the agriculture of the Middle Ages has often been ably described, I have devoted the greater part of this work to the agricultural history of the subsequent period, especially the seventeenth, eighteenth, and nineteenth centuries.

W. H. R. CURTLER

May 22, 1909.

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LANDMARKS IN ENGLISH AGRIGULTURE

- 1086. Domesday inquest, most cultivated land in tillage. Annual value of land about 2d. an acre.
- 1216-72. Henry III. Assize of Bread and Ale.
- 1272-1307. Edward I. General progress. Walter of Henley.
- 1307. Edward II. Decline.
- 1315. Great famine.
- 1337. Export of woll prohibited.
- 1348-9. Black Death. Heavy blow to manorial system. Many demesne lands let, and much land laid down to grass.
- 1351. Statute of Labourers.
- 1360. Export of corn forbidden.
- 1381. Villeins' revolt.
- 1393. Richard II allows export of corn under certain conditions.
- 1463. Import of wheat under 6s. 8d. prohibited.
- End of fifteenth century. Increase of enclosure.
- 1523. Fitzherbert's Surveying and Husbandry.
- 1540. General rise in prices and rents begins.
- 1549. Kett's rebellion. The last attempt of the English peasant to obtain redress by force.
- 1586. Potatoes introduced.
- 1601. Poor Law Act of Elizabeth.
- 1645. Turnips and clover introduced as field crops.
- 1662. Statute of Parochial Settlement.
- 1664. Importation of cattle, sheep, and swine forbidden.
- 1688. Bounty of 5s. per quarter on export of wheat, and high duty on import.
- 17339 Tull publishes his Horse-hoeing Husbandry.
- 1739. Great sheep-rot.
- 1750. Exports of corn reached their maximum.
- 1760. Bakewell began experimenting.
- 1760 (about). Industrial and agrarian revolution, and great increase of enclosure.
- 1764. Elkington's new drainage system.
- 1773. Wheat allowed to be imported at a nominal duty of 6d. a quarter where over 48s.

viii LANDMARKS IN ENGLISH AGRICULTURE

- 1777. Bath and West of England Society established, the first in England.
- 1789. England definitely becomes a corn-importing country.
- 1793. Board of Agriculture established.
- 1795. Speenhamland Act.
 - About same date swedes first grown.
- 1815. Duty on wheat reached its maximum.
- 1815-35. Agricultural distress.
- 1825. Export of wool allowed.
- 1835. Smith of Deanston, the father of modern drainage.
- 1838. Foundation of Royal Agricultural Society.
- 1846. Repeal of the Corn Laws.
- 1855-75. Great agricultural prosperity.
- 1875. English agriculture feels the full effect of unrestricted competition, with disastrous results.
 - " First Agricultural Holdings Act.
- 1879-80 Excessive rainfall, sheep-rot, and general distress.

APPENDIX I

AVERAGE PRICES FROM 1259 TO 17001

CORN PER QUARTER.

| | WHEAT. | BARLEY. | OATS. | RYE. | BEANS. |
|-----------|--------------------|--------------------------|------------------------|----------|-----------------------|
| 1259-1400 | 5s. 109 <i>d</i> . | 45. 33d. | 2s. 5\d. | 45. 47d. | 45. 3½d. |
| 1401-1540 | 5s. 114d. | 3s. 84d. | 25. 2 d. | 45. 73d. | 3s. 9] d. |
| 1541-82 | 13s. 10₹d. | 8s. 54d. | 5s. 5\(\frac{1}{2}d\). | _ | 95, 13d. 22s. 31d. |
| 1583-1700 | 391. 0} <i>d</i> . | 21 <i>s.</i> 4 <i>d.</i> | 13s. 10d. | _ | 223. 3\d. |

LIVE STOCK.

| | OXEN. | cows. | CART HORSES. | | | PIGS (GROWN) | BOARS. |
|-----------|----------------------|---------|--|-----------------------|---------------|----------------------------|---------|
| 1259-1400 | 13s. 1\d. | 9s. 5d. | 16s. 4 <i>d</i> . | 1s. 2d. to 1s. 5d. | 8 <i>d</i> . | 35. | 4s. 7d. |
| 1401-1540 | moderate increase | 145. | unaltered | moderate increase | 9d. | unaltered | • 6s. |
| 1541-82 | 5 S.s. | 325. | great increase | 3s. to 4s. 6d. | 2s. to 3s. | 6s. 8 <i>d</i> . to 8s. | _ |
| 1583-1700 | 100s. | | 1580-1640 £5 to £10 1640-1700 £8 to £15 | | | great in | crease |

POULTRY AND EGGS.

| 1259-1 1401-1 1541-8 1583-1 | \$40 2 | HENS. 1 fd. 2 d. 4 d. 8d.–1s. | DUCK: 2d. 21d. 41d. 91d. | 3§d. 4§d. 10d. | EGGS 41d. pe 61d. 71d. 3s. 3d. | r 120 " |
|--|--------------------------------|-----------------------------------|--------------------------------------|---|---|-----------------------------------|
| | wool. Per lb. | CHE | ESE. | BUTTER. | HAY. Per load. | HOPS. |
| 1259-1400 1401-1540 1541-82 1583-1702 | 3 d. 3 d. 7 d. 9d.–1s | ₹d. po 1d. | er 7 lb. | 47d. per 7 lb. 1d. per lb. 3d. " 51d. " | 3s. 8d. unaltered 9s. 6d. 26s. 4d. | 14s. 0½d. 26s. 8d. 82s. 9d. |

¹ Summarized from Thorold Rogers' prices in his History of Agriculture and Prices, with some alterations.
2 Affri, 13s. 5d., cart-horses, 19s. 4d. A good saddle horse about 1300 was worth £5. By 1580 it was worth £10 to £15, by 1700 £20 to £25.

LABOUR.

| | Reaping wheat | Reaping oats | Mowing | Labourer per day |
|-----------|-------------------|-------------------|-------------------|-----------------------------------|
| • | per acre. | per acre. | per acre. | without food. |
| 1261-1350 | 5 <i>§d</i> . | $4\frac{7}{8}d$. | 5} <i>d</i> . | 2 <i>d</i> . |
| 1351-1400 | $8\frac{1}{2}d$. | 8} <i>d</i> . | . 7d. | 3 <i>d</i> . |
| 1401-1540 | 9 3 d. | 8 { d. | 8 1 d. | 44 |
| 1541-82 | 1 | | | 6 <u>1</u> 7. |
| 1583-1640 | - | | 1s. 7d. | $8\frac{5}{2}d$. |
| 1640-1700 | _ | _ | 1s. 8d. | 10d. |

PRICE OF LAND PER ACRE.

| | To Rent. | | To Buy. |
|-----------|-----------|--------------|--------------------|
| _ | Arable. | Grass. | • |
| 1261-1350 | 4d.–6d. | 1525. | 12 years' purchase |
| 1351-1400 | 6d. | 2 <i>s</i> . | " |
| 1401-1540 | 6d. | 25. | 15-20 years |
| 1541-82 | slight ir | crease | unaltered |
| 1583-1640 | great in | crease | 20 years |
| 1641-1700 | 5s. | 8s. | 1, |
| 1770 | 10 | s. | 30 years |

APPENDIX II

TABLE SHOWING EXPORTS AND IMPORTS OF WHEAT AND FLOUR FROM AND INTO ENGLAND, UNIMPORTANT YEARS OMITTED

| | Exports. | Imports. | 1 | Exports. | Imports. |
|--------------|-----------|-----------|-------|---------------|----------------|
| | Quarters. | Quarters. | I | Quarters. | Quarters |
| Engla | ınd. | | 1776 | 210,664 | 20,578 |
| 1697 | 14,699 | 400 | 1780 | 224,059 | 3,915 |
| 1703 | 166,615 | 50 | 1786 | 205,466 | 51,463 |
| 1717 | 22,954 | none | 1787 | 120,536 | 59,339 |
| 1728 | 3,817 | 74,574 | 1789 | 140,014 | 112,656 |
| 1733 | 427,199 | 7 | 1791 | 70,626 | 469,056 |
| 1750 | 947,602 | 279 | 1796 | 24,679 | 879,200 |
| | | | 1801 | 28,406 | 1,424,765 |
| Great | Britain. | | 1808 | 98, ∞5 | 84, 889 |
| 1757 | 11,545 | 141,562 | 1810 | 75,785 | 1,567,126 |
| 1758 • | 9,234 | 20,353 | 1815 | 227,947 | 384,475 |
| 1761 | 441,956 | none | 1€25 | 38,796 | 787,606 |
| 17 67 | 5,071 | 497,905 | 1837 | 308,420 | 1,109,492 |
| 1770 | 75,449 | 34 | •1839 | 42,512 | 3,110,729 |
| 1775 | 91,037 | 560,988 | 1842 | 68,047 | 3,111,290 |

¹ A decided increase, but prices fluctuate so much that it is hard to strike an average.

The above figures are taken from McCulloch's Commercial Dictionary, 1847, p. 438, and agree roughly with those given by McPherson, Annals of Commerce, iii. 674, and iv. 216 and 532.

• After 1842, exports played a very small part, and imports combined to increase; in 1847, 4,612,110 quarters of wheat and flour came in; and the following figures show their growth in recent times:—

AVERAGE OF ANNUAL IMPORTS OF WHEAT AND FLOUR IN CWTS.

| 1861-5 | ••• | ••• | ••• | 34,651,549 |
|-----------|-----|-----|-----|-------------|
| 1866-70 | ••• | ••• | ••• | 37,273,678 |
| 1871-5 | ••• | ••• | ••• | 50,495,127 |
| 1876-80 | | ••• | ••• | 63,309,874 |
| 1881-5 | ••• | ••• | ••• | 77,285,881 |
| 1886-90 | ••• | ••• | ••• | 77,794,380 |
| 1891-5 | ••• | ••• | ••• | 96,582,863 |
| 1896-1900 | ••• | ••• | ••• | 95,926,376 |
| 1901-5 | ••• | ••• | ••• | 111,638,817 |

With regard to the exports and imports of all kinds of corn, large quantities were exported in the first half of the eighteenth century. In 1733, 800,000 quarters were sent to France, Portugal, Spain, and Italy, and exports reached their maximum in 1750 with 1,667,778 quarters, but by 1760 had decreased to 600,000, and after that fell considerably; in 1771, for instance, the first year of the corn register, they only amounted to 81,665 quarters, whereas imports were 203,122. The figures of the imports were swollen by the large quantities of oats which came into England at this time. The following years are typical of the fluctuations in the trade:—

| | Exports. | Imports. |
|--------|----------------------|----------|
| 1774 | 47,961 | 803,844 |
| 1776 | 376,249 | 444,121 |
| 1780 | 400,408 | 219,093 |
| 1782 | 278,955 | 133,663 |
| 1783 | 104,274 | 852,389 |
| 1784-8 | large excess of impo | |
| 1789 | 652,764 | 478,426 |

the last year when exports of all kinds of corn exceeded imports.

To sum up, according to these figures, England's exports of wheateregularly exceeded her imports from 1697 until 1757, with the exception of the years 1728-9; then they fluctuated till 1789, the last year in which exports of wheat exceeded imports, and as the same year is the last time when our exports of all kinds of corn exceeded our imports, England at that date ceased tested an exporting country.

1 Ibid. iii. 674; iv. 216, 532.

¹ MoPherson, Annals of Commerce, iii. 198.

The excess of exports of wheat in 1808 was accidentally due to the requirements of the army in Spain.

APPENDIX III

AVERAGE PRICES PER IMPERIAL QUARTER OF BRITISH CORN IN ENGLAND AND WALES, IN EACH YEAR FROM 1771 TO 1907 INCLUSIVE, ACCORDING TO THE RETURNS OF THE BOARD OF AGRICULTURE

| YEARS. | | WHEAT. | | BARLEY. | | OATS. |
|---------------|-------|---------------|-------|----------------|-----|-------|
| | | s. d. | | s. d. | | s. d. |
| 1771 | ••• | 48 7 | | 26 5 | | 17 2 |
| 1772 | ••• | 52 3 | | 26 I | | 16 8 |
| 1773 | | 52 7 | | 29 2 | | 17 8 |
| 1774 | ••• | 54 3 | | 29 4 | | 18 4 |
| 1775 | ••• | 49 10 | ••• | 26 9 | ••• | 17 0 |
| | ••• | 49 10 | ••• | • | ••• | • |
| 1776 | ••• | 39 4 | ••• | 20 9 | | 15 5 |
| 1 7 77 | ••• | 46 11 | | 2I I | •• | 16 I |
| 1778 | ••• | 43 3 34 8 | ••• | 23 4 | ••• | 15 7 |
| 1779 | ••• | 34 8 | | 20 I | | 14 5 |
| 1780 | | 36 g | | 17 6 | | 13 2 |
| - | | | | | | - |
| 1781 | ••• | 46 o | ••• | 17 8 | ••• | 14 1 |
| 1782 | ••• | 49 3 | ••• | 23 2 | ••• | 15 7 |
| 1783 | ••• | 54 3 | ••• | 31 3 28 8 | ••• | 20 5 |
| 1784 | • • • | 50 4 | ••• | | ••• | 18 10 |
| 1785 | ••• | 43 I | ••• | 24 9 | ••• | 178 |
| 1786 | | 40 0 | | 25 I | | 18 6 |
| 1787 | ••• | 42 5 | ••• | 23 4 | ••• | 17 2 |
| 1788 | ••• | 46 4 | ••• | 22 8 | ••• | 16 1 |
| 1789 | ••• | | ••• | 23 6 | ••• | 16 6 |
| | ••• | 52 9 | ••• | - 3 - | ••• | 19 \$ |
| 1790 | ••• | 54 9 | ••• | • | ••• | - |
| 1791 | | 48 7 | | 26 IO | | 18 1 |
| 1792 | ••• | 43 0 | | 27 7 | ••• | 16 9 |
| 1793 | ••• | 49 3 | ••• | 31 1 | ••• | 20.6 |
| 1794 | ••• | 52 3 | ••• | 31 9 | | 21 3 |
| 1795 | ••• | 75 ž | ••• | 37 Š | | 24 5 |
| | | | • • • | -· - | | |
| 1796 | ••• | 78 7 | ••• | 35 4 | ••• | 21 10 |
| 1797 | *** | 53 9 | ••• | 27 2 | ••• | 16 3 |
| 1998 | ••• | <u>5</u> 1 10 | ••• | 29 O | ••• | 19 5 |
| 1799 | ••• | 69 o | ••• | 36 2 | ••• | 27 6 |
| 1800 | ••• | 113 10 | ••• | 59 10 | ••• | 39 4 |
| 1801 | | 119 6 | | 68 6 | | 37 0 |
| 1802 | ••• | 69 10 | ••• | 33 4 | ••• | 20 4 |
| 1803 | ••• | 58 10 | ••• | | ••• | 21 6 |
| 1803 | ••• | | ••• | | ••• | 24 3 |
| 1804 | ••• | 62 3 89 9 | ••• | 31 0 44 ℃ ● | ••• | 28 4 |
| 1005 | *** | 09 9 | *** | 44 0 | | T |

| YEARS. | WH | EAT. | BARLEY. | | OATS. |
|--------|----------|--------------|--------------|-------|----------------------------------|
| | s. | d. | s. d. | | s. d. |
| 1806 | 79 | 1 | 38 8 | | 27 7 |
| 1807 | 75 | 4 | 39 4 | ••• | 28 4 |
| 1808 | 81 | 4 | 43 5 | | 33 4 |
| 1809 | 97 | 4 | 47 0 | | |
| 1810 | 106 | 5 | 48 I | ••• | 31 5 28 7 |
| | | - | | ••• | |
| 1811 | 95 | 3 6 | 42 3 | ••• | 27 7 44 6 38 6 |
| 1812 | 126 | 6 | 66 g | ••• | 44 6 |
| 1813 | 109 | 9 | | *** | 386 |
| 1814 | , 74 | 4 | 37 4 | ••• | 25 8 |
| 1815 | 65 | <i>i</i> | 30 3 | ••• | 23 7 |
| 1816 | • | | | | |
| | 78 | 6 | 33 11 | ••• | 27, 2 |
| 1817 | 96 | 11 | 49 4 | *** | 32 5 |
| 1818 | 86 | 3 6 | 53 10 | ••• | 3 ² 5 32 5 28 2 |
| 1819 | 74 | 6 | د 9 45 | ••• | 28 2 |
| 1820 | 67 | 10 | 33 10 | ••• | 24 2 |
| 1821 | 56 | ı | 26 o | | 19 6 |
| 1822 | | _ | 21 10 | ••• | 18 1 |
| 1823 | | | | *** | 22 11 |
| 1824 | 53 63 | .4 | | ••• | |
| 1024 | | 6 | 36 4 | ••• | 24 10 |
| 1825 | | 0 | 40 0 | ••• | 23 8 |
| 1826 | 58 | 8 | 34 4 | | 26 8 |
| 1827 | 58 | 6 | 37 7 | ••• | 28 2 |
| 1828 | 60 | 5 | 32 10 | *** | 22 6 |
| 1829 | 66 | 3 | 32 6 | ••• | |
| 1830 | 64 | 3 ··· | 32 7 | ••• | 22 9 24 5 |
| | - | | | ••• | |
| 1831 | 66 | 4 | 38 o | ••• | 25 4 |
| 1832 | 58 | 8 | 33 1 | ••• | 20 5 |
| 1833 | 52 | II | 27 6 | ••• | 18 5 |
| 1834 | 46 | 2 | 29 O | ••• | 20 5 18 5 20 11 |
| 1835 | 39 | 4 | 29 11 | ••• | 22 O |
| 1836 | 48 | 6 | 32 10 | | 23 I |
| 1837 | 40 | • - | | ••• | 23 1 |
| 1838 | 55 | | | ••• | |
| 1030 | 04 | 7 ··· | 31 5 39 6 | ••• | |
| 1839 | 70 | 8 | 39 6 | ••• , | 25 11 25 8 |
| 1840 | 66 | 4 | 36 5 |) | 25 8 s |
| 1841 | 64 | 4 | 32 10 | ••• | 22 5 |
| 1842 | 57 | <u></u> | 27 6 | ••• | 22 5 19 3 18 4 |
| 1843 | 50 | ĭ | 29 6 | ••• | 1Ŕ Ã |
| 1844 | 51 | 3 | 33 8 | ••• | 20 7 |
| 1845 | 50 | 3, 3 | 31 8 | ••• | 20 7 22 6, |
| | - | | • | | |
| 1846 | 54 | U - 111 | 32 8 | ••• | |
| 1847 | 69 | 9 6 | 44 2 | ••• | 28 8 |
| 1848 | 50 | o | 3i 6 | ••• | 20 6 |
| 1849 | 44 | 3 | 27 9 | *** | 17 6 |
| 1850 | 40 | 3 | 23 5 | • | 16 5 |

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| YEARS. | | WHEAT. | | BARLEY. | | OATS. |
|--------------|-----|---------------|-----|----------------|--------------|--------------|
| | 4 | s. d. | | s. d. | | s. d. |
| 1851 | ••• | 38 6 | | 24 9 | . 5 . | 18 7 |
| 1852 | ••• | 40 9 | ••• | 24 9 28 6 | ••• | 19 1 |
| 1853 | ••• | 53 3 | | 33 2 | ••• | 21 0 |
| 1854 | ••• | 72 5 | | 36 o | | 27 11 |
| 1855 | ••• | 72 5 74 8 | | 34 9 | ••• | 27 5 |
| | | | | | | - • |
| 1856 | ••• | 69 2 | ••• | 41 1 | •• | |
| 1857 | ••• | 56 4 | ••• | 42 I | | 25 O 24 6 |
| 1858 1859 | • | 44 2 | • | 34 8 33 6 • | • • | • |
| 1860 | • • | 43 9 | ••• | 0.0 | ••• | 23 2 |
| | ••• | 53 3 | | 36 7 | • | 24 5 |
| 1861 | ••• | 55 4 | | 36 I | ••• | 23 9 |
| 1862 | | 55 5 | ••• | 35 I | | 22 7 |
| 1863 | ••• | 44 9 | ••• | 33 11 | | 21 2 |
| 1864 | ••• | 40 2 | | 29 11 | | 20 I |
| 1865 | ••• | 41 10 | ••• | 29 9 | ••• | 21 10 |
| 1866 | | 40.17 | | | | 24 7 |
| 1867 | •• | 49 11 | ••• | 37 5 | ••• | 26 0 |
| 1868 | • • | 64 5 63 9 | ••• | 40 O 43 O | ••• | 28 I |
| 1869 | ••• | | ••• | | •• | 26 o |
| 1870 | ••• | 48 2 46 11 | • • | 39 5 | •• | 22 10 |
| | ••• | | ••• | 34 7 | •• | 22 10 |
| 1871 | ••• | 568 | ••• | 36 2 | ••• | 25 2 |
| 1872 | | 57 0 | ••• | 37 4 | | 23 2 |
| 1873 | ••• | 58 8 | | 40 5 | ••• | 25 5 |
| 1874 | ••• | 55 9 | ••• | 44 11 | ••• | 28 10 |
| 1875 | ••• | 45 2 | | 38 5 | | 28 8 |
| 1876 | | 46 2 | | 35 2 | | 26 3 |
| 1877 | ••• | 56 9 | | 39 8 | ••• | 25 11 |
| 1878 | ••• | 46 5 | | 40 2 | ••• | 24 4 |
| 1879 | ••• | 43 10 | | 34 0 | ••• | 21 9 |
| 1880 | ••• | 44 4 | ••• | 33 1 | | 23 1 |
| | ••• | | ••• | <i>JJ</i> - | | _ |
| 1881 | • | 45 4 | ••• | 31 11 | ••• | 21 9 |
| 1882 | ••• | 45 I | ••• | 31 2 | •• | 21 10 |
| 1883 | • • | 41 7 | ••• | 31 10 | ••• | 21 5 |
| 1884 | ••• | 35 8 | ••• | 30 8 | •• | 20 3 |
| 1885 | •• | 32 10 | ••• | 30 1 | ••• | 20 7 |
| 1886 | ••• | 31 O | ••• | 26 7 | ••• | 19 0 |
| 1887 | ••• | 32 6 | | 25 4 | ••• | 16 3 |
| 1888 | •• | 31 10 | ••• | 27 10 | ••• | 16 9 |
| 1889 | ••• | 29 9 | ••• | 025 10 | ••• | |
| ' 189ó | ••• | 31 11 | | 28 8 | ••• | 17 9 18 7 |
| 1891 | | 37 O | | 28 2 | | 20 0 |
| 1891 | ••• | 30 3 | • | 26 2 | ••• | 19 10 |
| 1893 | ••• | 30 3 26 4 | ••• | | ••• | 18 9 |
| 1894 | ••• | 20 4 22 10 | ••• | 25 7 24 6 | | 17 1 |
| 1895 | • | 22 IO 23 I | ••• | 21 11 | ••• | 14 6 |
| 1095 | ••• | ۱ رم | •• | ~ 1 11 | | |

| YEARS. | | WHEAT. | | BARLEY. | | OATS. |
|--------|-----|--------------|-----|--------------|-------|-------|
| | | s. d. | | s. d. | | s. d. |
| 1896 | | 26 2 | ••• | 22 II | ••• | 14 9 |
| 1897 | } | 30 2 | ••• | 23 6 | | 16 11 |
| 1898 | ••• | 34 0 | ••• | 27 2 | | 18 5 |
| 1899 | ••• | 25 8 | ••• | 25 7 | ••• | 17 O |
| 1900 | •• | 26 11 | ••• | 24 11 | ••• | 17 7 |
| 1901 | ••• | 26 9 | ••• | 25 2 | | 185 |
| 1902 | ••• | 28 I | ••• | 25 8 22 8 | | 20 2 |
| 1903 | ••• | 2 6 9 | ••• | 22 8 | ••• | 17 2 |
| 1904 | ••• | . 28 4 | ••• | 22 4 | | 16 4 |
| 1905 | ••• | 29 8 | ••• | 24 4 | ••• | 17 4 |
| 1906 | ••• | 28 3 | ••• | 24 2 | | 18, 4 |
| 1907 | ••• | 30 7 | ••• | 25 I | • • • | 16 10 |

APPENDIX IV

MISCELLANEOUS INFORMATION

GREGORY KING, at the end of the seventeenth century, estimated the acreage of England and Wales at 39,000,000—not at all a bad estimate, the area, excluding water, according to the Board of Agriculture Returns of 1907, being 37,130,344. The different estimates by Grew, Templeman, Petty, Young, Halley, Middleton, and others varied between 31,648,000 and 46,916,000 acres. The last, that of Arthur Young, was actually adopted by Pitt for his estimate of the income-tax.

Caird in 1850 9 estimated the cultivated lands of England at 27,000,000 acres (in 1907 they were 24,585,455 acres), cultivated thus:—

| Permanent grass | ••• | ••• | ••• | 13,333 | |
|--------------------------------|---------|------|-----|--------|------|
| Arable | ••• | ••• | ••• | 13,667 | ,000 |
| the latter being divided as fo | llows : | • | | | |
| • | Δ. | CYAC | R | nchele | D |

| • | | | | Acres. | Bushels, per acre. | • Produce, |
|-------------|-------|-------|-----|--------------------|-----------------------|------------|
| Wheat | ••• | ••• | ••• | 3,416,750 | 27 | 11,531,531 |
| Barley | ••• | ••• | ••• | 1,416,750 | 38 | 6,729,562 |
| Oats and ry | e | ••• | ••• | 2,000,000 | 44 | 11,000,000 |
| Clover and | seeds | ••• | | 2,277,750 | | • |
| Beans and p | eas | ••• | ••• | 1,139,000 | 30 | 4,271,250 |
| Turnips, | mange | olds, | and | | | |
| potatoes | ••• | ••• | ••• | • 2,116,750 | | |
| Rape and fa | llow | ••• | ••• | 1,300,000 | | |
| | | | | | | |

¹ C. Wren Hoskyns, Pamphlet on Agricultural Statistics, p. 19.

³ English Agriculture in 1850-1, p. 521. Cf. above, p. 331.

Davenant, at the end of the seventeenth century, made the following . estimate showing the importance of wool in English trade 1:-

| Annual income of England | ••• | £43,000,000 |
|----------------------------|-----|-------------|
| Yearly rent of land | ••• | 10,000,000 |
| Value of wool shorn yearly | ••• | 2,000,000 |
| " woollen manufactures | ••• | 10,000,000 |

Thus the rents of land formed nearly one-fourth the total income of the country, and wool paid one-fifth of the rents.9

In the eighteenth century a great quantity of wool was smuggled out of England in defiance of the law; in the space of four months in 1754, 4,000 tods was 'run' into Boulogne.

FOREIGN AND COLONIAL WOOL IMPORTED INTO ENGLAND.4

| • | | lb. | | | lb. |
|-------|-----|------------|------|---------|-------------|
| 1766 | ••• | 1,926,000 | 1820 | | 9,775,000 |
| 1771 | ••• | 1,829,000 | 1830 | ••• | 32,305,000 |
| 1780 | ••• | 323,000 | 1840 | ••• | 49,436,000 |
| 1790 | ••• | 2,582,000 | 1850 | • • • • | 74,326,000 |
| €1800 | ••• | 8,609,000 | 1855 | ••• | 99,300,000 |
| 1810 | ••• | 10,914,000 | 1857 | | 127,390,000 |

PRICES OF LABOUR IN SURREY IN 1780.5

| | | •• | a. |
|---|---------|------|----|
| Day labourer, per day, in winter | ••• | 1 | 4 |
| Reaping wheat, per acre | ••• | I | 6 |
| Reaping wheat, per acre | ••• | 7 | 0 |
| | ••• | 12 | 0 |
| Mowing barley, per acre | • • • | 2 | 6 |
| " oats, " | is. 6d. | to 2 | 0 |
| " grass " | ••• | 2 | 6 |
| Hand-hoeing turnips, per acre, first time | ••• | 6 | 0 |
| ,, second time | ••• | 4 | 0 |
| Thatching hayricks, per square of 100 ft | | 1 | 0 |
| Washing and shearing sheep, per score | ••• | 3 | 0 |
| Ploughing light land, per acre | ••• | 5 | 0 |
| ,, stiff ,, ,, | 75. to | 10 | 0 |
| Common hurdles, each | ••• | | 5 |

¹ Smith, Memoirs of Wool, i. 157. ² In 1908 the rental of agricultural land was 3½ per cent. of the total income of the country. See The Times, May 13, 1909.

³ Ibid. ii. 264.

Cunningham, Industry and Commerce, ii. 693. Cf. above, p. 328.
Trusler, Practical Husbandry, p. 153.

OCCUPIERS OF LAND.

In 1816 there were said to be 589,374 occupiers of land in Great

| With incomes | | ••• | ••• | ••• | • | 114,778 |
|---------------|----------|-----|-----|-----|-----|---------|
| Between £50 a | .nd £150 | ••• | ••• | •• | •• | 432,534 |
| Over £150 | ••• | ••• | ••• | ••• | ••• | 42,062 |
| | | | | | | 580.374 |

In 1907 there were 510,954 occupiers of one acre and more.

MULHALL'S CALCULATION OF AVERAGE ANNUAL WAGES IN ENGLAND.

| | Bailiff. | Shepherd. | Labourer. | Woman. | Boy. | |
|------|----------|-------------------------------|-----------|--------|------|--|
| 1800 | £20 | £16 | £12 | £8 | £6 | |
| 1850 | 40 | 25 | 20 | 10 | 8_ | |
| 1880 | 52 | 36 | 30 | 15 | 10 | |

The average annual cost of living of an agricultural family of five was in 1823 £31, in 1883 £37.

COMPARATIVE STATEMENT BY A. YOUNG OF PRICES AND WAGES IN ENGLAND FROM 1200 TO 1810 ON THE PRINCIPLE OF REPRESENTING FACTS IN 1810 BY THE NUMBER 20, AND THE FACTS OF THE PRECEDING PERIODS BY THE PROPORTION BORNE BY THEM TO THAT NUMBER.

| Periods. | Wheat. | Meat. | Wool. | Labourers' wages. | Horses. |
|-----------|----------------|-----------------|-----------------------|-------------------|---------|
| 1200-99 | 5 1 | ••• | ••• | 31 | ••• |
| 1300-99 | 61 | ••• | ••• | 47 | ••• |
| 1400-99 | 3 | ••• | ••• | 5 } | ••• |
| 1500-99 | 6_ | ••• | ••• | <u>5</u> | ••• |
| 1600-99 | 91 | *** | ••• | 8 | ••• |
| 1700-66 | 7 1 | 7₹ | 12 | 10 | 157 |
| 1767-89 | 11 | 111 | 15 3 16 | 12} | 17} |
| 1790-1803 | 13 | 16 1 | 16 } | 164 | 19} |
| 1804-10 | 20 | 20 | 20 | 20 | 20 |

Thus wheat in 1804-10 had risen 233 per cent. since the sixteenth century.

THE LABOURER'S WAGES.

The following table, published by Mr. Barton in 1817, shows the depreciation of the labourer's wages in purchasing power between 1742 and 1808:—

| | Weekly | Price of | Wages in |
|---------|-----------------------|--------------|--------------------|
| Period. | pay. | wheat. s. d. | pints of bread. |
| 1742-52 | 6 0 | 30 0 | 102 |
| 1761-70 | ~ 7 ° 6 | 42 6 | 90 |
| 1780-90 | `8 o | 51 2 | 80 |
| 1795-9 | 9 9 0 | 70 8 | 65 |
| 1800-8 | 11 0 | 8 6 8 | 60 |

Farmer's Magazine (1817), p. 6. Statistics at this date, however, must be taken with caution. They were usually estimates. Cf. above, p. 334, for holdings in England.

Parliamentary Reports, Commissioners (1881), xvi. 305.

In answer to inquiries sent by the Poor Law Commissioners in 1834 to 900 parishes in England the average weekly wages of labourers werein summer.

| • | | | | | | s. d. | | | |
|------------|---------------|--------------|----------|-------|-----|-------|----|----|----|
| | in 254 pa | rishes, with | | | | 10 47 | | | |
| ın winter, | 522 | " with | out beer | or ci | der | 10 5 | | | |
| m winter, | in 200 544 | | beer or | | | 9 21 | | | |
| | | inclusive | | | | ourer | £ | s. | d. |
| | nself were | | ••• | | | ••• | 27 | 17 | 10 |
| and o | of his wife | and children | n., | ••• | ••• | ••• | 13 | 19 | 10 |
| | | | | | | | 41 | 17 | 8 |

It will thus be seen that the wife and children provided a third of the income. The majority of the parishes said the labourer could maintain his family on these wages.

Here is the weekly budget of a labourer with an average family in

1880 1:---

| 1000 | | Cr. | s. | đ. | | Dr. | | s. | d. |
|----------------|-----|-----|-------|----|-------------|-------|-----|----|--------|
| Wages | | ••• | 15 | 0 | Rent | | | 1 | 71 |
| Garde z | ••• | | Ī | 6 | Bread | •• | | 6 | o T |
| Extras | ••• | | I | 0 | Bacon | | ٠. | 2 | 6 |
| | | | | | Tea and sug | ar | | 1 | 3 6 |
| | | | | | Cheese | ••• | ••• | 1 | |
| | | | | | Butter | | | I | 6 |
| | | | | | Fuel | | | 1 | 3 |
| | | | | | Candles and | soap | | 0 | |
| | | | | | Clothes | ••• | ••• | 1 | 6 |
| | | | | | Schooling | • • • | ••• | 0 | 3 |
| | | | | | Sundries | ••• | ••• | 0 | 6 |
| | | | 17 | 6 | | | | 18 | 41 |
| | | | | | | | | | |

There is no fresh meat, and it is hard to say where any economy could be practised.

CONTRACT PRICES OF BUTCHER'S MEAT PER CWT. AT GREENWICH HOSPITAL, 1730-1842.2

| | | | • | | |
|-------|------|--------|-----------------|------|---------|
| • | £ s. | d. | £ s. d. | | L s. d. |
| 1,730 | īş | 8 1790 | | 1825 | 2 19 6 |
| 1740 | 1 8 | 0 1800 | 3 4 4 | 1830 | 2 3 6 |
| 1750 | 16 | 6 1810 | 3 4 4 3 12 0 | 1835 | 2 0 7 |
| 1760 | 1 11 | 6 1815 | 3 & 0 | 1840 | 2 14 0 |
| 1770 | 18 | 6 1820 | 3 10 4 | 1842 | 2 12 8 |
| 1780 | 1 12 | 6 | - | • | |

¹ Parliamentary Reports, Commissioners (1881), xvi. 310.
² McCulloch, Commercial Dictionary (1852), \$\overline{\rho}\$. 271.

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