

## CHAPTER XVIII.

## FARMYARD, DAIRY, AND BEE PRODUCTS.

## § 1. Introductory.

1. **General.**—The introduction of cattle into Australia, and the early history of the dairying industry are referred to in some detail in earlier issues of this work (see Official Year Book No. 6, p. 430). It may here be noted that the original stock has been crossed with specially imported stud cattle, while further judicious crossing of strains has resulted in an increased and improved milk supply. In Australia, dairy cattle thrive in the open throughout the year, local climatic conditions demanding no protection other than tree plantations for shelter, and rugging in the coldest weather. Indigenous and imported grasses furnish food during the greater part of the year, and winter fodder, when necessary, is given to the cattle in the fields. With the adoption of scientific methods in the treatment of animals and pasturages and in the processes of manufacture, coupled with effective State supervision, the dairying industry has shown rapid expansion.

2. **Official Supervision of Industry.**—Dairy experts, under the supervision of the various State Agricultural Departments, give instruction in approved methods of production, and inspect animals, buildings, and marketable produce. A high standard of cleanliness, both of personnel and *matériel*, prevails. Financial assistance of a temporary nature is also given, advances made being generally repaid with promptitude.

The export trade is regulated by the terms of the Commonwealth Commerce Act 1905 and regulations thereunder. The provisions of this Act are set out in detail in Official Year Book No. 6, pp. 431-2. It will be sufficient to note here that the true trade description, &c., must be marked on all produce intended for export, while official inspection ensures the maintenance of purity and quality. Upon request of the exporter the goods are certificated by the inspector.

3. **Mixed Farming.**—Dairying is not now, as formerly, wholly confined to farmers, since many graziers in a large way of business have lately given it their attention. In non-coastal regions it is generally carried on in conjunction with agriculture and sheep-raising, sufficient fodder being grown to carry the cattle through the winter months. Local wants are thus met, and in many places remote from the metropolis well-equipped factories have been established.

4. **Factory System.**—Cream separation and butter-making are often carried on together under the co-operative system. The creation of large central butter factories, supplied by numerous separating establishments or "creameries," has resulted in a considerable reduction in the cost of manufacture, since improved appliances such as refrigerators may be profitably worked at the larger establishments. The product is also of a more uniform quality. The number of farmers who adhere to hand processes is rapidly diminishing. Formerly the average quantity of milk used per pound of hand-made butter was about 3 gallons, but separator butter requires only  $2\frac{1}{2}$  gallons.

5. **Butter and Cheese Factories.**—The factories in Australia for the manufacture of butter, cheese, and condensed milk numbered 563 in 1927–28. These were distributed in the various States as follows:—New South Wales, 160; Victoria, 179; Queensland, 123; South Australia, 55; Western Australia, 12; and Tasmania, 34.

## § 2. Dairy Cattle and Dairy Products.

1. **Dairy Herds.**—The dairy herds of Australia were severely depleted during the drought of 1914–15, when the number was reduced to 1,684,393. Following that year substantial increases have taken place, and the number recorded in 1927 represents a gain of nearly 520,000 in the past decade. In New South Wales, Victoria, South Australia, and Tasmania the proportion of dairy cattle on all cattle is high. In Queensland, the Northern Territory, and Western Australia there is a greatly preponderating number of other cattle, dairying not being firmly established in the tropical regions of the Continent. In Southern Queensland, however, the industry has developed remarkably during the past decennium, and the progress attained in that area has been largely responsible for the Australian increases since 1916. The returns for 1927 include heifers intended for milking and being within three months of calving. Details were not collected for Victoria and Tasmania, but the total of such heifers in the other States amounted to 133,227.

### CATTLE AND DAIRY CATTLE.—NUMBER, 1923 TO 1927.

| State.                    |               | 1923.      | 1924.      | 1925.      | 1926.      | 1927.      |
|---------------------------|---------------|------------|------------|------------|------------|------------|
| New South Wales           | All Cattle .. | 2,932,437  | 2,871,196  | 2,931,818  | 2,813,144  | 2,848,654  |
|                           | Dairy Cows .. | 784,824    | 834,557    | 840,930    | 885,238    | 894,440    |
| Victoria                  | All Cattle .. | 1,591,367  | 1,605,554  | 1,513,787  | 1,435,761  | 1,327,077  |
|                           | Dairy Cows .. | 738,149    | 760,207    | 727,940    | 673,089    | 626,189    |
| Queensland                | All Cattle .. | 6,396,514  | 6,454,653  | 6,436,645  | 5,464,845  | 5,225,804  |
|                           | Dairy Cows .. | 512,529    | 584,886    | 551,426    | 611,227    | 645,316    |
| South Australia           | All Cattle .. | 413,272    | 400,423    | 373,597    | 340,007    | 316,314    |
|                           | Dairy Cows .. | 136,438    | 133,619    | 127,670    | 127,292    | 117,580    |
| Western Australia         | All Cattle .. | 953,764    | 891,564    | 835,911    | 827,303    | 846,735    |
|                           | Dairy Cows .. | 61,832     | 60,882     | 63,008     | 69,627     | 70,880     |
| Tasmania                  | All Cattle .. | 220,351    | 225,740    | 212,373    | 213,112    | 210,894    |
|                           | Dairy Cows .. | 70,497     | 70,073     | 70,382     | 67,457     | 66,902     |
| Northern Territory        | All Cattle .. | 843,718    | 855,285    | 970,342    | 863,597    | 835,390    |
|                           | Dairy Cows .. | (a)        | (a)        | (a)        | (a)        | (a)        |
| Federal Capital Territory | All Cattle .. | 6,085      | 5,058      | 5,312      | 5,509      | 6,188      |
|                           | Dairy Cows .. | 375        | 413        | 646        | 815        | 1,417      |
| Australia ..              | All Cattle .. | 13,357,508 | 13,309,473 | 13,279,785 | 11,963,278 | 11,617,056 |
|                           | Dairy Cows .. | 2,304,644  | 2,444,637  | 2,382,002  | 2,434,745  | 2,422,674  |

(a) Not available.

2. **Milk.**—The annual quantity of milk produced per dairy cow varies greatly with breed, locality and season, reaching as high as 1,000 gallons, but averaging for the whole of Australia for all dairy cows and for all seasons prior to 1916 considerably under 300 gallons per annum. Of late years an improvement in the grade of dairy cattle has taken place, and the 300 gallon mark has been exceeded on each of the last four seasons, the yield of 363 gallons in 1924 constituting a record. The best yields over a series of years appear to be in Victoria, South Australia and New South Wales, while Queensland and Tasmania in normal years are above Western Australia. In the following table the annual average yields per cow for the last five years are based on the number of dairy cows which were in milk during any part of the year. The average given is considerably below that for cows which were yielding during the greater part of the year. The highest averages were, of course, obtained in those States which have most extensively adopted scientific methods of dairying, such as systematic breeding, culling of herds, milk testing, etc.

## MILK PRODUCTION, 1923 TO 1927-28.

| Heading.                | N.S.W.  | Victoria. | Q'land. | S. Aust. | W. Aust. | Tas.   | Fed. Cap. Ter. | Australia. (b) |
|-------------------------|---------|-----------|---------|----------|----------|--------|----------------|----------------|
| <b>1923—</b>            |         |           |         |          |          |        |                |                |
| Dairy Cows (a) . . No.  | 790,890 | 766,524   | 538,106 | 135,944  | 60,110   | 70,244 | 409            | 2,362,227      |
| Production 1,000 gals.  | 225,395 | 260,953   | 104,204 | 47,621   | 13,048   | 21,200 | 111            | 672,532        |
| Aver. per cow . . gals. | 285     | 340       | 194     | 350      | 217      | 302    | 271            | 285            |
| <b>1924—</b>            |         |           |         |          |          |        |                |                |
| Dairy Cows (a) . . No.  | 809,691 | 749,178   | 548,707 | 135,029  | 61,357   | 70,285 | 394            | 2,374,641      |
| Production 1,000 gals.  | 316,810 | 294,765   | 170,074 | 45,426   | 13,363   | 21,840 | 116            | 862,394        |
| Aver. per cow . . gals. | 391     | 393       | 310     | 336      | 218      | 311    | 294            | 368            |
| <b>1925-26—(c)</b>      |         |           |         |          |          |        |                |                |
| Dairy Cows (a) . . No.  | 837,744 | 744,074   | 568,156 | 130,644  | 61,945   | 70,227 | 530            | 2,413,320      |
| Production 1,000 gals.  | 289,861 | 255,120   | 153,386 | 41,386   | 14,823   | 18,684 | 199            | 773,459        |
| Aver. per cow . . gals. | 346     | 343       | 270     | 317      | 239      | 266    | 375            | 320            |
| <b>1926-27 (c)</b>      |         |           |         |          |          |        |                |                |
| Dairy Cows (a) . . No.  | 837,378 | 700,515   | 553,472 | 123,066  | 63,768   | 68,920 | 730            | 2,347,844      |
| Production 1,000 gals.  | 277,917 | 258,437   | 136,416 | 40,434   | 15,553   | 21,009 | 198            | 749,904        |
| Aver. per cow . . gals. | 332     | 369       | 246     | 329      | 244      | 305    | 271            | 319            |
| <b>1927-28 (c)</b>      |         |           |         |          |          |        |                |                |
| Dairy Cows (a) . . No.  | 837,617 | 649,614   | 565,913 | 114,459  | 65,701   | 67,180 | 1,082          | 2,301,566      |
| Production 1,000 gals.  | 283,046 | 260,648   | 180,679 | 37,947   | 17,159   | 22,556 | 220            | 802,255        |
| Aver. per cow . . gals. | 338     | 401       | 319     | 332      | 261      | 336    | 203            | 349            |

(a) Mean for the year. (b) Exclusive of Northern Territory. (c) Year ended 30th June.

3. **Butter and Cheese.**—Although the quantity of dairy production is largely affected by the nature of the season, an important advance in the output of butter has taken place in the past decade. During that period the average annual production increased from 180,000,000 lb. for the quinquennium 1912-1916, to 269,000,000 lb. for the latest five years under review. Queensland was responsible for the largest share of the increased output of butter during recent years, where the development has been very satisfactory. The maximum output of butter in Australia was recorded in 1924, when, as a result of a specially favourable season, 313,952,291 lb. were manufactured.

The manufacture of cheese is also largely dependent upon seasonal conditions. The average for the last decennium is, however, much greater than that for the previous one. The production in 1921 of 32,653,003 lb. is the highest yet recorded, while for 1927-28 the production, amounting to 31,534,875 lb., follows very closely.

The development in dairy production since 1896, and in the exports of butter from 1901 onwards are shown in the graphs on page 658. Particulars for the past five years are as follows :—

## BUTTER AND CHEESE PRODUCTION, 1923 TO 1927-28.

| State.                          | 1923.              | 1924.              | 1925-26.           | 1926-27.           | 1927-28.           |
|---------------------------------|--------------------|--------------------|--------------------|--------------------|--------------------|
| <b>BUTTER.</b>                  |                    |                    |                    |                    |                    |
|                                 | lb.                | lb.                | lb.                | lb.                | lb.                |
| New South Wales .. ..           | a72,666,613        | a117,195,871       | 106,953,339        | 95,832,624         | 100,794,838        |
| Victoria .. ..                  | a86,888,725        | a100,849,382       | 81,747,291         | 81,995,815         | 84,270,812         |
| Queensland .. ..                | 40,659,634         | a70,400,492        | 63,001,073         | 51,402,638         | 72,039,151         |
| South Australia .. ..           | a17,244,389        | a10,066,694        | 13,882,850         | 13,416,904         | 12,136,638         |
| Western Australia .. ..         | 3,005,491          | 2,962,630          | 2,591,818          | 3,829,728          | 4,265,258          |
| Tasmania .. ..                  | a6,183,521         | a6,455,746         | 5,122,992          | 6,032,597          | 6,514,642          |
| Federal Capital Territory .. .. | 17,480             | 15,476             | 14,322             | 20,758             | 16,065             |
| <b>Australia .. ..</b>          | <b>226,605,853</b> | <b>313,952,291</b> | <b>273,313,685</b> | <b>252,531,059</b> | <b>280,037,404</b> |
| <b>CHEESE.</b>                  |                    |                    |                    |                    |                    |
|                                 | lb.                | lb.                | lb.                | lb.                | lb.                |
| New South Wales .. ..           | a5,912,656         | a7,705,596         | 6,462,535          | 6,735,960          | 7,284,822          |
| Victoria .. ..                  | a7,216,936         | a6,193,135         | 5,279,009          | 5,997,648          | 5,621,945          |
| Queensland .. ..                | 7,221,355          | a12,643,863        | 12,580,942         | 9,260,043          | 14,128,420         |
| South Australia .. ..           | a3,679,552         | a3,743,628         | 3,636,278          | 3,708,730          | 3,465,458          |
| Western Australia .. ..         | 4,365              | 4,055              | 3,818              | 5,172              | 5,088              |
| Tasmania .. ..                  | a1,345,661         | a1,152,015         | 836,738            | 971,644            | 1,029,344          |
| <b>Australia .. ..</b>          | <b>23,380,525</b>  | <b>31,442,292</b>  | <b>28,799,320</b>  | <b>26,679,197</b>  | <b>31,534,875</b>  |

(a) For year ended 30th June of year following.

4. **Concentrated Milk.**—"Condensed" or "concentrated" milk represents milk the bulk of which is reduced by evaporation. The industry is of comparatively recent growth, the quantity of milk treated in 1901 being negligible, but production increased annually until in 1911 the output nearly doubled that of the previous year. Thenceforward rapid progress was made, the greatest development taking place in Victoria, where the industry is most largely established. There is still an import of milk, but the exports in each year far outweigh the quantity imported. No condensed or concentrated milk is made in South Australia, Western Australia, or Tasmania. In New South Wales, Victoria, and Queensland the returns for the last five years were as follows:—

**CONDENSED, CONCENTRATED, OR POWDERED MILK MADE, 1923 TO 1927-28.**

| Year.   |       | N.S.W.     | Victoria.   | Queensland. | Australia.  |
|---------|-------|------------|-------------|-------------|-------------|
|         |       | lb.        | lb.         | lb.         | lb.         |
| 1923    | .. .. | a7,158,537 | a49,099,632 | 8,131,648   | 64,389,817  |
| 1924-25 | .. .. | 5,804,191  | 45,693,120  | 10,511,919  | 62,009,230  |
| 1925-26 | .. .. | 5,745,454  | 43,646,852  | 8,831,623   | 58,223,929  |
| 1926-27 | .. .. | b          | 48,186,040  | b           | c59,180,891 |
| 1927-28 | .. .. | b          | 53,876,662  | b           | d53,876,662 |

(a) For year ended 30th June of year following. (b) Not available for publication.  
(c) Including New South Wales and Queensland.  
(d) Victorian total only.

5. **Oversea Trade in Butter, Cheese, and Milk.**—The following tables give the imports, exports, and net exports of butter, cheese, and milk. In each of the five years dealt with the exports of butter, cheese, and condensed milk exceeded the imports.

**BUTTER, CHEESE, AND MILK, IMPORTS AND EXPORTS.—AUSTRALIA, 1923-24 TO 1927-28.**

| Products.                          | 1923-24.       | 1924-25.    | 1925-26.   | 1926-27.   | 1927-28.   |
|------------------------------------|----------------|-------------|------------|------------|------------|
| <b>IMPORTS.</b>                    |                |             |            |            |            |
| Butter .. ..                       | lb. 2,368,102  | 19,717      | 2,991,243  | 7,160,864  | 6,975,370  |
| " .. ..                            | £ 191,828      | 1,340       | 240,703    | 519,672    | 549,548    |
| Cheese .. ..                       | lb. 1,422,148  | 356,717     | 1,487,023  | 1,789,766  | 2,084,486  |
| " .. ..                            | £ 71,379       | 37,448      | 111,827    | 133,600    | 116,200    |
| Milk—concentrated and preserved(a) | lb. 373,866    | 367,073     | 348,178    | 647,122    | 931,344    |
| " .. ..                            | £ 26,652       | 32,359      | 20,398     | 34,115     | 36,837     |
| <b>EXPORTS.</b>                    |                |             |            |            |            |
| Butter .. ..                       | lb. 65,984,020 | 145,281,326 | 97,899,824 | 76,767,844 | 99,164,946 |
| " .. ..                            | £ 4,919,664    | 10,006,081  | 7,006,830  | 5,465,347  | 6,905,933  |
| Cheese .. ..                       | lb. 3,831,269  | 10,397,392  | 6,884,347  | 3,663,175  | 6,933,857  |
| " .. ..                            | £ 142,820      | 365,764     | 271,973    | 133,266    | 260,879    |
| Milk—concentrated and preserved(a) | lb. 17,765,480 | 29,172,996  | 25,908,328 | 17,759,929 | 20,640,224 |
| " .. ..                            | £ 1,080,088    | 1,694,634   | 1,476,422  | 1,081,256  | 1,188,903  |
| <b>NET EXPORTS.(b)</b>             |                |             |            |            |            |
| Butter .. ..                       | lb. 63,615,918 | 145,261,609 | 94,908,581 | 69,606,980 | 92,189,576 |
| " .. ..                            | £ 4,727,836    | 10,004,741  | 6,760,127  | 4,945,675  | 6,356,385  |
| Cheese .. ..                       | lb. 2,409,121  | 10,040,675  | 5,397,324  | 1,873,409  | 4,849,371  |
| " .. ..                            | £ 71,441       | 328,316     | 160,146    | —334       | 144,679    |
| Milk—concentrated and preserved(a) | lb. 17,391,614 | 28,805,923  | 25,560,150 | 17,112,807 | 19,708,880 |
| " .. ..                            | £ 1,053,436    | 1,662,275   | 1,456,024  | 1,047,141  | 1,152,066  |

NOTE.—The minus sign (—) indicates net imports.

(a) See definition above.

(b) Excess of exports over imports.

6. **Local Consumption of Butter and Cheese.**—The total production of butter and cheese, with the subtraction or addition of the net export or import for the corresponding period gives approximately the quantity available for consumption in Australia. The figures for the past five years are as follows :—

**BUTTER AND CHEESE.—LOCAL CONSUMPTION, 1923 TO 1927–28.**

| Products.                      | 1923.       | 1924.       | 1925–26.    | 1926–27.    | 1927–28.    |
|--------------------------------|-------------|-------------|-------------|-------------|-------------|
|                                | lb.         | lb.         | lb.         | lb.         | lb.         |
| Butter .. Total ..             | 163,049,935 | 168,690,682 | 178,405,104 | 182,924,079 | 187,847,828 |
| „ .. Per head of population .. | 28, 36      | 28, 72      | 29, 77      | 29, 94      | 30, 13      |
| Cheese .. Total ..             | 22,971,404  | 21,401,617  | 23,401,966  | 24,805,788  | 26,685,504  |
| „ .. Per head of population .. | 4, 00       | 3, 64       | 3, 91       | 4, 06       | 4, 28       |

The quantity available for consumption in 1927–28 averaged 30 lb. of butter and 4 lb. of cheese, or a total of 34 lb. per head of population, an amount probably unsurpassed anywhere. The consumption of butter and cheese in the United Kingdom in normal times is given at about 22½ lb. per head per annum.

**§ 3. Pigs and Pig Products.**

1. **Pigs.**—The number of pigs in Australia from 1923 to 1927 is shown below :—

**PIGS.—NUMBER, 1923 TO 1927.**

| State.                     | 1923.          | 1924.          | 1925.            | 1926.          | 1927.          |
|----------------------------|----------------|----------------|------------------|----------------|----------------|
| New South Wales (a) ..     | 322,762        | 339,378        | 382,331          | 332,827        | 301,819        |
| Victoria ..                | 259,795        | 288,509        | 339,601          | 284,271        | 212,785        |
| Queensland ..              | 132,243        | 156,163        | 199,598          | 183,662        | 191,947        |
| South Australia ..         | (a) 73,414     | 80,988         | 90,794           | 79,108         | 69,733         |
| Western Australia ..       | 61,478         | 66,375         | 74,316           | 69,798         | 59,810         |
| Tasmania ..                | 47,101         | 47,305         | 41,009           | 38,906         | 41,752         |
| Northern Territory ..      | 647            | 1,000          | 382              | 343            | 292            |
| Federal Cap. Territory (a) | 434            | 291            | 343              | 94             | 69             |
| <b>Australia ..</b>        | <b>897,874</b> | <b>980,009</b> | <b>1,128,374</b> | <b>989,009</b> | <b>878,207</b> |

(a) As on 30th June of year following.

For many years the number of pigs in Australia has fluctuated considerably. There was a heavy falling off in 1915, followed by substantial increases during the next two years, the number in 1917, viz., 1,169,365, being the highest recorded in Australia. From 1917 onwards the numbers have remained fairly constant but, compared with 1925, a decline is noticed for the two subsequent years. The number of pigs per head of population and the number per square mile, will be found in the tables of live stock, page 640.

2. **Bacon and Ham.**—(i) *Production.* The production of bacon and ham is increasing fairly rapidly, the averages for the past three quinquennia being 53,000,000, 59,000,000, and 72,000,000 lb. respectively. No increase in the volume of exports has taken place, the extra production being needed to supply the local demand, which is expanding with the population and the increasing consumption per head.

## BACON AND HAM.—PRODUCTION, 1923 TO 1927-28.

| State.                 | 1923.       | 1924.       | 1925-26.   | 1926-27.   | 1927-28.   |
|------------------------|-------------|-------------|------------|------------|------------|
|                        | lb.         | lb.         | lb.        | lb.        | lb.        |
| New South Wales ..     | a19,044,294 | a21,068,976 | 22,949,531 | 24,600,275 | 25,479,208 |
| Victoria ..            | a22,540,973 | a21,993,869 | 21,213,925 | 20,952,310 | 20,605,148 |
| Queensland ..          | 16,219,969  | a15,640,561 | 18,326,728 | 18,288,690 | 18,264,855 |
| South Australia ..     | a5,095,970  | a5,374,457  | 5,600,760  | 5,165,670  | 5,111,465  |
| Western Australia (b)  | 2,420,585   | 2,797,151   | 2,960,139  | 2,678,830  | 2,760,694  |
| Tasmania ..            | a2,271,141  | a2,428,966  | 2,314,756  | 1,946,323  | 2,780,304  |
| Federal Cap. Territory | a7,815      | a7,820      | 8,840      | 2,790      | ..         |
| Total ..               | 67,600,747  | 69,311,800  | 73,374,679 | 73,634,888 | 75,001,674 |

(a) For year ended 30th June of year following.

(b) A portion only from pigs slaughtered in the State; balance imported and subsequently cured.

(ii) *Local Consumption.* From about 1904 onwards the production of bacon and ham has been sufficient to meet the local demand and provide a small surplus for export. The total home consumption and the average per head of population for the last five years are given hereunder:—

## BACON AND HAM.—LOCAL CONSUMPTION, 1923 TO 1927-28.

| Particulars.              | 1923.      | 1924.      | 1925-26.   | 1926-27.   | 1927-28.   |
|---------------------------|------------|------------|------------|------------|------------|
|                           | lb.        | lb.        | lb.        | lb.        | lb.        |
| Total ..                  | 66,372,107 | 67,969,350 | 72,205,137 | 72,175,870 | 73,823,995 |
| Per head of population .. | 11.54      | 11.57      | 12.05      | 11.81      | 11.84      |

3. *Oversea Trade in Pig Products.*—The oversea trade in pigs and pig products for the last five years is shown in the following table:—

## PIG PRODUCTS.—AUSTRALIAN TRADE, 1923-24 TO 1927-28.

| Particulars.   | 1923-24. | 1924-25. | 1925-26. | 1926-27. | 1927-28. |
|----------------|----------|----------|----------|----------|----------|
| Pigs.          |          |          |          |          |          |
| Imports ..     | No. 13   | 10       | 6        | 8        | ..       |
| ..             | £ 376    | 150      | 250      | 223      | ..       |
| Exports ..     | No. 38   | 65       | 320      | 418      | 328      |
| ..             | £ 288    | 676      | 1,951    | 2,506    | 1,294    |
| Net Exports .. | No. 25   | 55       | 314      | 410      | 328      |
| ..             | £ -88    | 526      | 1,701    | 2,283    | 1,294    |

## BACON AND HAM.

|                |               |           |           |           |           |
|----------------|---------------|-----------|-----------|-----------|-----------|
| Imports ..     | lb. 320,030   | 322,106   | 509,101   | 374,814   | 356,288   |
| ..             | £ 19,005      | 18,492    | 33,773    | 23,101    | 21,108    |
| Exports ..     | lb. 1,548,670 | 1,664,556 | 1,678,643 | 1,833,832 | 1,533,967 |
| ..             | £ 132,581     | 124,891   | 139,864   | 147,886   | 129,073   |
| Net Exports .. | lb. 1,228,640 | 1,342,450 | 1,169,542 | 1,459,018 | 1,177,679 |
| ..             | £ 113,576     | 106,399   | 106,091   | 124,785   | 107,965   |

NOTE.—The minus sign (–) signifies net imports.

PIG PRODUCTS.—AUSTRALIAN TRADE, 1923-24 TO 1927-28—*continued.*

| Particulars.       | 1923-24. | 1924-25.  | 1925-26.  | 1926-27.  | 1927-28.  |
|--------------------|----------|-----------|-----------|-----------|-----------|
| <b>LARD.</b>       |          |           |           |           |           |
| Imports .. .. lb.  | 574,733  | 112,084   | 244,517   | 575,293   | 712,307   |
| " .. .. £          | 17,181   | 4,080     | 8,787     | 17,169    | 20,092    |
| Exports .. .. lb.  | 651,530  | 1,523,530 | 1,953,796 | 1,334,421 | 1,380,960 |
| " .. .. £          | 24,027   | 42,744    | 56,630    | 38,839    | 38,209    |
| Net Exports .. lb. | 76,797   | 1,411,446 | 1,709,279 | 759,128   | 668,653   |
| " .. .. £          | 6,846    | 38,664    | 47,843    | 21,670    | 18,117    |

|                     |            |          |          |          |            |
|---------------------|------------|----------|----------|----------|------------|
| <b>FROZEN PORK.</b> |            |          |          |          |            |
| Imports .. .. lb.   | 1,679,278  | 962,639  | 466,425  | 733,179  | 2,112,595  |
| " .. .. £           | 63,908     | 35,695   | 20,066   | 31,657   | 67,876     |
| Exports .. .. lb.   | 53,142     | 61,393   | 90,106   | 481,330  | 159,494    |
| " .. .. £           | 2,099      | 2,749    | 3,647    | 16,608   | 6,183      |
| Net Exports .. lb.  | -1,626,136 | -901,246 | -376,319 | -251,849 | -1,953,101 |
| " .. .. £           | -61,809    | -32,946  | -16,419  | -15,049  | -61,693    |

NOTE.—The minus sign (—) signifies net imports.

The output of pig products in Australia is usually sufficient to meet local requirements and provide a small surplus for export. During the last five years the value of the average annual net export amounted to £101,951, the bulk of the shipments consisting of bacon, ham and lard.

**§ 4. Total Dairy Production.**

The total dairy production of Australia in 1927-28 is shown below :—

**TOTAL DAIRY PRODUCTION.—AUSTRALIA, 1927-28.**

| Particulars.                             | N.S.W.      | Victoria.   | Q'land.     | S. Aust.   | W. Aust.   | Tasmania.  | Fed. Cap. Ter. | Total.      |
|--|-------------|-------------|-------------|------------|------------|------------|----------------|-------------|
| <b>MILK.</b>                             |             |             |             |            |            |            |                |             |
| Used for—                                | gallons.    | gallons.    | gallons.    | gallons.   | gallons.   | gallons.   | gallons.       | gallons.    |
| Butter ..                                | 214,747,560 | 190,968,920 | 151,712,733 | 26,291,473 | 99,106,513 | 15,419,856 | 47,770         | 608,294,825 |
| Cheese ..                                |             | 5,534,560   |             | 3,261,741  | (b)        | 1,023,489  | ..             |             |
| Condensing and concentrating ..          | 10,718,063  |             | 16,018,076  |            |            |            |                | 52,142,209  |
| Other purposes ..                        | 57,580,377  | 15,586,280  |             |            |            |            |                |             |
|  | 57,580,377  | 48,557,740  | 12,948,655  | 8,394,106  | 8,052,410  | 6,112,655  | 172,069        | 141,818,012 |
| Total ..                                 | 283,046,000 | 260,647,500 | 180,679,464 | 37,947,320 | 17,158,923 | 22,556,000 | 219,839        | 802,255,046 |
| <b>BUTTER.</b>                           |             |             |             |            |            |            |                |             |
| In Factories On Dairy and other Farms .. | lb.         | lb.         | lb.         | lb.        | lb.        | lb.        | lb.            | lb.         |
|  | 95,906,322  | 80,678,548  | 69,464,415  | 8,742,291  | 2,847,929  | 4,455,310  | ..             | 262,094,815 |
|  | 4,888,516   | 3,592,264   | 2,574,736   | 3,394,347  | 1,417,329  | 2,059,332  | 16,065         | 17,942,589  |
| Total ..                                 | 100,794,838 | 84,270,812  | 72,039,151  | 12,136,638 | 4,265,258  | 6,514,642  | 16,065         | 280,037,404 |

(a) Including milk used for making cheese. (b) Not available for publication.

TOTAL DAIRY PRODUCTION.—AUSTRALIA, 1927-28—*continued*.

| Particulars.                                      | N.S.W.            | Victoria.         | Q'land.           | S. Aust.         | W. Aust.          | Tasmania.        | Fed. Cap. Ter. | Total.            |
|---|-------------------|-------------------|-------------------|------------------|-------------------|------------------|----------------|-------------------|
| <b>CHEESE.</b>                                    |                   |                   |                   |                  |                   |                  |                |                   |
| In Factories On Dairy and other Farms ..          | lb.<br>7,080,992  | lb.<br>5,404,450  | lb.<br>14,120,829 | lb.<br>3,465,456 | lb.<br>(b)        | lb.<br>721,664   | lb.<br>..      | lb.<br>30,793,391 |
|   | 203,630           | 217,495           | 7,591             | ..               | 5,088             | 307,680          | ..             | 741,484           |
| Total ..  | 7,284,622         | 5,621,945         | 14,128,420        | 3,465,456        | 5,088             | 1,029,344        | ..             | 31,534,875        |
| <b>CONDENSED, CONCENTRATED, OR POWDERED MILK.</b> |                   |                   |                   |                  |                   |                  |                |                   |
| In Factories                                      | lb.<br>(b)        | lb.<br>53,876,662 | lb.<br>(b)        | lb.<br>..        | lb.<br>..         | lb.<br>..        | lb.<br>..      | lb.<br>53,876,662 |
| <b>BACON AND HAM.</b>                             |                   |                   |                   |                  |                   |                  |                |                   |
| In Factories On Dairy and other Farms ..          | lb.<br>24,523,873 | lb.<br>19,628,277 | lb.<br>17,986,523 | lb.<br>4,656,943 | lb.<br>a2,591,975 | lb.<br>1,329,563 | lb.<br>..      | lb.<br>70,717,154 |
|   | 955,335           | 976,871           | 278,332           | 454,522          | 168,719           | 1,450,741        | ..             | 4,284,520         |
| Total ..  | 25,479,208        | 20,605,148        | 18,264,855        | 5,111,465        | 2,760,694         | 2,780,304        | ..             | 75,001,674        |

(a) A portion only from pigs slaughtered in the State, the balance being imported and subsequently cured. (b) Figures not available for publication.

Particulars in regard to the production of other milk products are not available for all the States, but the following articles were made in Victoria during 1927-28 :—Casein, 2,619,855 lb. ; and milk sugar, 213,119 lb.

### § 5. Poultry Farming.

1. **General.**—Poultry stocks are largely maintained by farmers, and production therefrom furnishes a considerable addition to the annual agricultural or dairying returns. During recent years, however, poultry-keeping has assumed an independent position among rural industries, while it is also carried on in conjunction with pig-farming. Special poultry farms have been instituted for scientific breeding, poultry experts give lectures and instruction, and egg-laying competitions are conducted. Poultry for consumption is extensively reared, and the egg-producing qualities of the birds have been greatly improved by careful breeding. Co-operative egg-collecting circles have been formed in some districts ; eggs are also delivered with the milk and cream to the local butter factories, and thence forwarded to market.

2. **Poultry Products.**—There is some difficulty in obtaining complete figures for the yield of poultry products. The following values relate to poultry and eggs :—

#### POULTRY AND EGGS.—VALUE OF PRODUCTION, 1923-24 TO 1927-28.

| Year.      | N.S.W.    | Victoria. | Q'land. | S. Aust.  | W. Aust. | Tasmania.<br>(a) | Australia.  |
|------------|-----------|-----------|---------|-----------|----------|------------------|-------------|
|            | £         | £         | £       | £         | £        | £                | £           |
| 1923-24 .. | 2,443,160 | 4,587,560 | 364,681 | 1,088,105 | 252,527  | 300,000          | 9,036,033   |
| 1924-25 .. | 2,727,000 | 4,326,295 | 530,782 | 1,148,322 | 286,350  | 300,000          | 9,318,749   |
| 1925-26 .. | 3,446,000 | 4,515,400 | 621,876 | 1,094,205 | 305,888  | 300,000          | 10,283,369  |
| 1926-27 .. | 3,807,500 | 4,819,500 | 500,237 | 1,046,056 | 330,903  | 300,000          | 10,804,196  |
| 1927-28 .. | 3,924,350 | 4,760,000 | 598,467 | 1,234,532 | 426,422  | 300,000          | 611,247,869 |

(a) Estimated.

(b) Includes £4,098, Federal Capital Territory.



3. **Oversea Trade in Poultry Products.**—The Australian oversea trade in poultry products is confined to eggs, which are mainly consigned to the United Kingdom. New South Wales, Victoria, and Queensland are participating in this trade, which, during 1927–28, amounted to £85,844. This represents a considerable reduction when compared with the previous year, when the value of the shipments totalled £233,672. The exports of frozen poultry expanded during the three years ended 1922–23, but since that year the shipments have not been maintained. The oversea trade during the past five years was as follows :—

**POULTRY PRODUCTS, TRADE.—AUSTRALIA, 1923–24 TO 1927–28.**

| Particulars.           | 1923–24. | 1924–25. | 1925–26.  | 1926–27.  | 1927–28.  |
|------------------------|----------|----------|-----------|-----------|-----------|
| <b>LIVE POULTRY.</b>   |          |          |           |           |           |
| Imports .. .. No.      | 881      | 459      | 384       | 281       | 264       |
| „ .. .. £              | 3,981    | 1,084    | 1,475     | 1,604     | 1,002     |
| Exports .. .. No.      | 2,234    | 2,057    | 3,418     | 1,847     | 2,569     |
| „ .. .. £              | 1,707    | 1,527    | 2,311     | 1,311     | 1,837     |
| Net Exports .. No.     | 1,353    | 1,598    | 3,034     | 1,566     | 2,305     |
| „ .. .. £              | –2,274   | 443      | 836       | –293      | 835       |
| <b>FROZEN POULTRY.</b> |          |          |           |           |           |
| Imports .. .. lb.      | 5,438    | 11,591   | 12,367    | 12,340    | 66,677    |
| „ .. .. £              | 269      | 752      | 741       | 749       | 4,766     |
| Exports .. .. pair     | 10,882   | 10,898   | 22,381    | 19,880    | 9,570     |
| „ .. .. £              | 11,270   | 14,141   | 25,242    | 30,259    | 8,930     |
| Net Exports .. .. (a)  | (a)      | (a)      | (a)       | (a)       | (a)       |
| „ .. .. £              | 11,001   | 13,389   | 24,501    | 29,510    | 4,164     |
| <b>EGGS.</b>           |          |          |           |           |           |
| Imports .. .. doz.     | 28,123   | 30,051   | 29,652    | 24,182    | 25,752    |
| „ .. .. £              | 1,707    | 1,796    | 2,003     | 1,507     | 1,579     |
| Exports .. .. doz.     | 655,620  | 692,015  | 1,531,744 | 3,151,990 | 1,104,005 |
| „ .. .. £              | 52,743   | 53,538   | 116,681   | 233,672   | 85,844    |
| Net Exports .. .. doz. | 627,497  | 661,964  | 1,502,092 | 3,127,808 | 1,078,253 |
| „ .. .. £              | 51,036   | 51,742   | 114,678   | 232,165   | 84,265    |
| <b>EGG-CONTENTS.</b>   |          |          |           |           |           |
| Imports .. .. lb.      | 34,418   | 32,105   | 21,495    | 39,675    | 38,858    |
| „ .. .. £              | 7,845    | 7,190    | 4,313     | 6,382     | 6,531     |
| Exports .. .. lb.      | (a)      | (a)      | (a)       | (a)       | (a)       |
| „ .. .. £              | 212      | 144      | 95        | 97        | 17        |
| Net Exports .. .. lb.  | (a)      | (a)      | (a)       | (a)       | (a)       |
| „ .. .. £              | –7,633   | –7,046   | –4,218    | –6,285    | –6,514    |

NOTE.—The minus – signifies net imports. (a) Quantity not available.

**§ 6. Bee Farming.**

1. **General.**—As is the case with poultry-farming, bee-farming is frequently carried on in conjunction with agriculture or dairying. The returns of honey from productive hives during 1927–28 gave an average of 58 lb. per hive, while the average quantity of wax was 0.77 lb. per hive.

2. Production of Honey and Beeswax.—The number of hives and the production of honey and beeswax during the year 1927–28 are given in the following table :—

## BEE-HIVES, HONEY, AND BEESWAX, 1927–28.

| State.                 | Bee Hives.       |                    |         | Honey Produced. |         | Beeswax Produced. |        |
|------------------------|------------------|--------------------|---------|-----------------|---------|-------------------|--------|
|                        | Pro-<br>ductive. | Unpro-<br>ductive. | Total.  | Quantity.       | Value.  | Quantity.         | Value. |
|                        | No.              | No.                | No.     | lb.             | £       | lb.               | £      |
| New South Wales ..     | 24,929           | 11,096             | 36,025  | 1,154,201       | 24,350  | 17,139            | 1,510  |
| Victoria ..            | 37,771           | 14,977             | 52,748  | 2,992,860       | 62,350  | 34,358            | 3,293  |
| Queensland ..          | 10,227           | 5,530              | 15,757  | 394,960         | 7,057   | 7,504             | 506    |
| South Australia ..     | 16,709           | 7,228              | 23,937  | 931,711         | 13,587  | 13,069            | 980    |
| Western Australia ..   | 9,002            | 1,894              | 10,896  | 366,286         | 6,561   | 5,501             | 406    |
| Tasmania ..            | 3,997            | 1,422              | 5,419   | 88,419          | 2,211   | 1,337             | 50     |
| Fed. Cap. Territory .. | 14               | 103                | 117     | ..              | ..      | ..                | ..     |
| Australia ..           | 102,649          | 42,250             | 144,899 | 5,928,437       | 116,116 | 78,908            | 6,745  |

The table hereunder gives the production of honey and beeswax for the latest available five years :—

## HONEY AND BEESWAX PRODUCTION, 1923–24 TO 1927–28.

| Season.         | N.S.W.    | Victoria. | Q'land. | S. Aust.  | W. Aust. | Tasmania. | Fed.<br>Cap.<br>Ter. | Australia. |
|-----------------|-----------|-----------|---------|-----------|----------|-----------|----------------------|------------|
| <b>HONEY.</b>   |           |           |         |           |          |           |                      |            |
|                 | lb.       | lb.       | lb.     | lb.       | lb.      | lb.       | lb.                  | lb.        |
| 1923–24         | 590,800   | 2,110,713 | 505,346 | 721,640   | 395,047  | 133,330   | 180                  | 4,457,056  |
| 1924–25         | 3,088,550 | 4,054,975 | 691,136 | 2,764,389 | 378,889  | 95,476    | 1,600                | 11,075,015 |
| 1925–26         | 2,234,495 | 2,114,807 | 801,587 | 1,360,916 | 311,492  | 116,392   | 600                  | 6,940,289  |
| 1926–27         | 1,510,420 | 2,370,310 | 461,009 | 1,918,195 | 553,238  | 75,876    | 12,120               | 6,901,168  |
| 1927–28         | 1,154,201 | 2,992,860 | 394,960 | 931,711   | 366,286  | 88,419    | ..                   | 5,928,437  |
| <b>BEESWAX.</b> |           |           |         |           |          |           |                      |            |
|                 | lb.       | lb.       | lb.     | lb.       | lb.      | lb.       | lb.                  | lb.        |
| 1923–24         | 12,701    | 25,371    | 7,405   | 11,216    | 5,637    | 1,596     | 2                    | 63,928     |
| 1924–25         | 40,043    | 47,117    | 9,883   | 27,837    | 6,844    | 1,666     | 65                   | 133,455    |
| 1925–26         | 38,171    | 28,812    | 11,888  | 11,772    | 3,737    | 1,566     | 100                  | 96,046     |
| 1926–27         | 22,532    | 33,238    | 8,785   | 22,368    | 5,190    | 1,224     | 104                  | 93,441     |
| 1927–28         | 17,139    | 34,358    | 7,504   | 13,069    | 5,501    | 1,337     | ..                   | 78,908     |

The quantity of honey and beeswax produced naturally varies from year to year according to the condition of the seasons. During the last five years New South Wales has produced 8,578,466 lb. of honey and 130,586 lb. of beeswax, while the Victorian figures amounted to 13,643,665 lb. and 168,896 lb. respectively for honey and beeswax. These two States together accounted for 62.95 per cent. of the total production of honey, and 64.30 per cent. of the beeswax. Next in order of importance were South Australia, Queensland, and Western Australia.

3. Oversea Trade in Bee Products.—In normal years the local production of honey exceeds Australian requirements, and a small quantity is available for export. During the past five years the value of the exports amounted to only £25,363, or an annual average of £5,073, owing to the decrease in production. The more general use of frame hives has affected the production of wax, and as a result the quantity imported has exceeded that exported during each of the past five years.

**BEE PRODUCTS.—IMPORTS, EXPORTS, ETC., AUSTRALIA, 1923-24 TO 1927-28.**

| Particulars.       | 1923-24. | 1924-25. | 1925-26. | 1926-27. | 1927-28. |
|--------------------|----------|----------|----------|----------|----------|
| <b>HONEY.</b>      |          |          |          |          |          |
| Imports .. .. lb.  | 772      | 1,008    | 4,684    | 657      | 922      |
| " .. .. £          | 22       | 33       | 211      | 20       | 43       |
| Exports .. .. lb.  | 41,584   | 137,116  | 113,401  | 402,745  | 281,090  |
| " .. .. £          | 2,060    | 3,807    | 3,756    | 9,157    | 6,912    |
| Net Exports .. lb. | 40,812   | 136,108  | 108,717  | 402,088  | 280,168  |
| " .. .. £          | 2,038    | 3,774    | 3,545    | 9,137    | 6,869    |
| <b>BEESWAX.</b>    |          |          |          |          |          |
| Imports .. .. lb.  | 76,478   | 109,816  | 22,937   | 75,104   | 96,101   |
| " .. .. £          | 4,759    | 8,288    | 2,195    | 6,951    | 8,413    |
| Exports .. .. lb.  | 2,046    | 1,956    | 1,577    | 326      | 3,506    |
| " .. .. £          | 149      | 187      | 131      | 29       | 346      |
| Net Exports .. lb. | -74,432  | -107,860 | -21,360  | -74,778  | -92,505  |
| " .. .. £          | -4,610   | -8,101   | -2,064   | -6,922   | -8,067   |

NOTE.—The minus sign (-) signifies net imports.

**§ 7. Value of Farmyard, Dairy, and Bee Products.**

The value of the farmyard, dairy and bee products raised in Australia in 1927-28 was as follows:—

**FARMYARD, DAIRY, AND BEE PRODUCTS.—VALUE, 1927-28.**

| Products.                           | N.S.W.            | Victoria.         | Q'land.          | S. Aust.         | W. Aust.         | Tas.             | N.T.       | Fed. Cap. Ter. | Australia.        |
|-------------------------------------|-------------------|-------------------|------------------|------------------|------------------|------------------|------------|----------------|-------------------|
|                                     | £                 | £                 | £                | £                | £                | £                | £          | £              | £                 |
| Milk, consumed as such .. ..        | 3,118,899         | 2,630,179         | 701,376          | 454,675          | 436,167          | 331,098          | ..         | 9,320          | 7,681,714         |
| Butter .. ..                        | 7,580,685         | 6,675,734         | 5,652,554        | 1,096,020        | 358,129          | 492,831          | ..         | 1,208          | 21,852,177        |
| Cheese .. ..                        | 312,352           | 244,147           | 637,499          | 127,259          | ..               | 38,974           | ..         | ..             | 1,365,215         |
| Condensed & concentrated milk .. .. | 1,565,388         | 61,906,715        | 1,092,407        | 344,743          | 182,048          | 145,546          | ..         | ..             | 6,430,470         |
| Bacon and ham .. ..                 | 435,416           | 1,193,623         | 208,103          | 146,227          | 124,041          | 96,299           | 607        | 1,758          | 1,438,570         |
| Pork .. ..                          | 20,773            | 426,119           | 29,005           | 12,659           | 4,591            | 7,139            | ..         | ..             | 113,303           |
| Lard .. ..                          | ..                | 39,136            | 6,214            | ..               | ..               | 2,135            | ..         | ..             | 8,349             |
| Live Stock .. ..                    | 3,924,350         | 4,760,000         | 598,467          | 1,234,532        | 426,422          | 300,000          | ..         | 4,098          | 11,247,869        |
| Poultry and eggs .. ..              | 25,860            | 65,643            | 7,563            | 14,567           | 6,907            | 2,261            | ..         | ..             | 122,861           |
| Honey and wax .. ..                 | ..                | ..                | ..               | ..               | ..               | ..               | ..         | ..             | ..                |
| <b>Total .. ..</b>                  | <b>16,983,723</b> | <b>17,941,296</b> | <b>8,933,188</b> | <b>3,430,682</b> | <b>1,538,365</b> | <b>1,416,283</b> | <b>607</b> | <b>16,384</b>  | <b>50,260,528</b> |

(a) Includes other Milk Products made. (b) Includes casein £65,322, and milk sugar £9,166.

### § 8. Exports of Australian Farmyard, Dairy, and Bee Products.

The quantities and values of Australian farmyard, dairy, and bee products exported during each of the last five years are shown below:—

#### AUSTRALIAN FARMYARD, DAIRY AND BEE PRODUCTS.—EXPORTS, 1923-24 TO 1927-28.

| Particulars.                             | 1923-24.   | 1924-25.    | 1925-26.   | 1926-27.   | 1927-28.   |
|--|------------|-------------|------------|------------|------------|
| QUANTITY.                                |            |             |            |            |            |
| Beeswax .. .. . lb.                      | 1,902      | 782         | 1,577      | 326        | 3,596      |
| Butter .. .. . "                         | 65,440,852 | 145,281,326 | 97,899,824 | 76,516,497 | 99,164,946 |
| Cheese .. .. . "                         | 3,787,714  | 10,353,950  | 6,872,761  | 3,643,832  | 6,926,691  |
| Egg albumen and yolk .. .. . (a)         | (a)        | (a)         | (a)        | (a)        | (a)        |
| Eggs .. .. . doz.                        | 655,215    | 691,740     | 1,531,744  | 3,151,965  | 1,104,005  |
| Feathers, undressed .. .. . (a)          | (a)        | (a)         | (a)        | (a)        | (a)        |
| Honey .. .. . lb.                        | 41,584     | 137,116     | 113,401    | 402,745    | 281,090    |
| Lard .. .. . "                           | 645,930    | 1,523,530   | 1,953,796  | 1,315,831  | 1,359,746  |
| Meats—                                   |            |             |            |            |            |
| Bacon and Ham .. .. . "                  | 1,548,670  | 1,664,556   | 1,678,643  | 1,833,468  | 1,533,967  |
| Frozen Poultry .. .. . pair              | 10,882     | 10,898      | 22,381     | 19,980     | 9,570      |
| Frozen Pork .. .. . lb.                  | 53,142     | 61,393      | 88,058     | 481,330    | 158,327    |
| Milk, concentrated and preserved .. .. . | 17,762,106 | 29,165,694  | 23,626,795 | 17,752,506 | 20,622,779 |
| Pigs, living .. .. . No.                 | 38         | 65          | 320        | 418        | 328        |
| Poultry, living .. .. . "                | 2,174      | 2,057       | 3,418      | 1,833      | 2,569      |

#### VALUE.

|  | £         | £          | £         | £         | £         |
|--|-----------|------------|-----------|-----------|-----------|
| Beeswax .. .. .                          | 137       | 69         | 131       | 29        | 346       |
| Butter .. .. .                           | 4,874,921 | 10,006,081 | 7,006,830 | 5,447,224 | 6,905,933 |
| Cheese .. .. .                           | 140,715   | 363,757    | 270,712   | 131,168   | 260,235   |
| Egg albumen and yolk .. .. .             | 210       | ..         | 95        | 56        | 13        |
| Eggs .. .. .                             | 52,715    | 53,518     | 116,681   | 233,670   | 85,844    |
| Feathers, undressed .. .. .              | 303       | 1,112      | 1,089     | 774       | 457       |
| Honey .. .. .                            | 2,060     | 3,807      | 3,756     | 9,157     | 6,912     |
| Lard .. .. .                             | 23,809    | 42,744     | 56,630    | 37,995    | 37,318    |
| Meats—                                   |           |            |           |           |           |
| Bacon and Ham .. .. .                    | 132,581   | 124,891    | 139,864   | 147,861   | 129,073   |
| Frozen Poultry .. .. .                   | 11,270    | 14,141     | 25,242    | 30,259    | 8,930     |
| Frozen Pork .. .. .                      | 2,099     | 2,749      | 3,579     | 16,608    | 6,152     |
| Milk, concentrated and preserved .. .. . | 1,079,943 | 1,694,230  | 1,261,417 | 1,080,963 | 1,188,504 |
| Pigs, living .. .. .                     | 238       | 676        | 1,951     | 2,506     | 1,294     |
| Poultry, living .. .. .                  | 1,649     | 1,527      | 2,311     | 1,281     | 1,817     |
| Total .. .. .                            | 6,322,700 | 12,309,302 | 8,890,288 | 7,139,551 | 8,632,828 |

(a) Quantity not available.

### § 9. British Imports of Dairy Products.

1. Quantities and Values.—The following table gives the quantities and values of the principal dairy products imported into the United Kingdom during the years 1923 to 1927:—

#### DAIRY PRODUCTS.—IMPORTS, UNITED KINGDOM, 1923 TO 1927.

| Products.                                     | 1923.      | 1924.      | 1925.      | 1926.      | 1927.      |
|---|------------|------------|------------|------------|------------|
| Butter .. .. . cwt.                           | 5,095,511  | 5,287,244  | 5,853,245  | 5,818,840  | 5,818,611  |
| " .. .. . £                                   | 44,234,534 | 49,647,492 | 53,204,417 | 48,283,312 | 48,204,721 |
| Cheese .. .. . cwt.                           | 2,838,546  | 2,887,413  | 3,098,702  | 3,014,055  | 2,949,082  |
| " .. .. . £                                   | 15,260,707 | 13,552,406 | 15,696,800 | 13,940,648 | 13,493,668 |
| Milk, concentrated and preserved .. .. . cwt. | 2,366,532  | 2,333,701  | 2,413,350  | 2,556,890  | 2,684,019  |
| " .. .. . £                                   | 6,716,648  | 6,183,530  | 5,756,372  | 5,420,167  | 5,561,726  |
| Bacon and ham .. .. . cwt.                    | 9,540,241  | 9,509,399  | 9,002,912  | 8,666,467  | 9,370,696  |
| " .. .. . £                                   | 46,536,807 | 45,050,619 | 50,774,719 | 50,146,958 | 43,333,082 |
| Pork (a) .. .. . cwt.                         | 475,963    | 238,206    | 262,998    | 303,234    | 234,248    |
| " .. .. . £                                   | 1,898,233  | 952,057    | 1,133,648  | 1,396,714  | 912,271    |

(a) Frozen, chilled, and salted.

2. **Butter.**—(i) *Imports.* Australia has for many years supplied a large proportion of the butter imported into the United Kingdom. The quantity shipped in 1927 amounted to 488,721 cwt., or nearly 13 per cent. of the total importation. The Australian contribution was valued at £3,836,345, and was exceeded only by that shipped from Denmark, New Zealand, and Irish Free State.

**BUTTER IMPORTS.—UNITED KINGDOM, 1927.**

| Country from which Imported.  | Quantity.      | Value.           | Country from which Imported.   | Quantity. | Value.     |
|-------------------------------|----------------|------------------|--------------------------------|-----------|------------|
|                               | Cwt.           | £                |                                | Cwt.      | £          |
| Denmark ..                    | 1,994,764      | 17,646,132       | United States of America ..    | 672       | 5,818      |
| New Zealand ..                | 1,252,475      | 10,320,248       | Canada ..                      | 423       | 3,613      |
| Irish Free State ..           | 586,485        | 4,560,157        | Norway ..                      | 190       | 1,809      |
| <b>Australia ..</b>           | <b>488,721</b> | <b>3,836,345</b> | Union of South Africa ..       | ..        | 4          |
| Argentine Republic ..         | 420,058        | 3,301,769        | British Possessions, n.e.i. .. | 1,015     | 5,700      |
| Soviet Republics ..           | 350,422        | 2,595,180        | Foreign Countries, n.e.i. ..   | 2,975     | 22,217     |
| Finland ..                    | 205,177        | 1,687,345        |                                |           |            |
| Netherlands ..                | 170,235        | 1,407,246        |                                |           |            |
| Sweden ..                     | 165,951        | 1,415,620        |                                |           |            |
| France ..                     | 65,994         | 515,121          |                                |           |            |
| Estonia ..                    | 60,310         | 474,227          |                                |           |            |
| Latvia ..                     | 37,410         | 290,188          |                                |           |            |
| Poland (including Dantzig) .. | 15,334         | 115,982          | Total ..                       | 5,818,611 | 48,204,721 |

(ii) *London Prices.* The average price of the best quality Australian butter in London during the past ten years is shown in the following table:—

**AUSTRALIAN BUTTER.—LONDON PRICES, 1917 TO 1928.**

| Year. | Average Top Price per cwt. | Year. | Average Top Price per cwt. |
|-------|----------------------------|-------|----------------------------|
|       | <i>s.</i> <i>d.</i>        |       | <i>s.</i> <i>d.</i>        |
| 1917  | (a) 206 0                  | 1923  | 184 6                      |
| 1918  | (b) 252 0                  | 1924  | 189 6                      |
| 1919  | (b) 252 0                  | 1925  | 184 0                      |
| 1920  | (b) 299 9                  | 1926  | 169 6                      |
| 1921  | 234 0                      | 1927  | 169 6                      |
| 1922  | 183 0                      | 1928  | 171 0                      |

(a) Proclaimed price. (b) Flat rate for all imported butter.

Under contract the British Government purchased the surplus output of Australian butter during the period from 1st July, 1918, to 31st July, 1920. The price paid was 175s. per cwt. for butter scoring 90 points, a shilling per cwt. being added or deducted as the grading score exceeded or fell below that standard. On the 1st August, 1920, the contract was extended for a further period, the price of butter having been increased to 240s. per cwt., subsequently raised to 272s., and the grading price being likewise increased to 1s. 6d. per cwt. This contract terminated on the 31st March, 1921, butter thenceforward being sold in open market.

3. **Cheese.**—The value of cheese imported into the United Kingdom in 1927 was £13,493,668, of which £7,173,947 was received from New Zealand, and £4,007,275 from Canada. Small experimental shipments from Australia were made in 1908 and following years, fair prices being realized. The value of the imports from Australia during 1927 amounted to £155,850.

4. **Bacon and Ham.**—Of a total import of bacon and ham valued in 1927 at £43,333,082, the United Kingdom received imports to the value of £23,368,461 from Denmark, £6,548,087 from the United States, and £2,954,291 from Canada. The import from Australia was small, experimental shipments only having been made during recent years.

5. **Pork.**—The value of the United Kingdom imports of pork (frozen and salted only) was £912,271 in 1927. There was only a small importation from Australia, the bulk of the supplies being forwarded from the United States, New Zealand, Canada, China, Argentine Republic, and Denmark.

6. **Other Products.**—There was practically no shipment to the United Kingdom from Australia of beeswax, poultry, game, lard, or honey, but frozen rabbits to the value of £419,798, and eggs to the value of £107,049 were received from Australia in 1927.