

COMMONWEALTH BUREAU OF CENSUS AND STATISTICS,  
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OFFICIAL STATISTICS. COMMONWEALTH OF AUSTRALIA

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MANUFACTURING INDUSTRIES,

1949-50

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NO. 25. BUTTER, CHEESE, AND CONDENSED, CONCENTRATED, ETC. MILK.

Prepared Under Instructions from  
THE RIGHT HONOURABLE THE TREASURER,

by

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MANUFACTURING INDUSTRIES : AUSTRALIA, 1949-50

PREFACE

1. GENERAL: The industries included in the series for 1949-50 are listed on the back of the cover, and are the same as those covered by the 1948-49 series. The 1949-50 summaries published to date are indicated at the top of page 2.
2. CLASSIFICATION OF FACTORIES: For purposes of industry classification, a factory in Australia is classified according to the nature of the product. Where two or more distinct types of industrial activity are carried on in one establishment, a separate return is obtained, wherever practicable, for each activity in order to allow classification on this basis. In cases where this is not practicable, there is no alternative but to classify the factory according to its predominant activity. This difficulty is most acute in the Metal Trades industries, (e.g. Engineering firms also producing Agricultural Implements, Stoves and Ovens, and/or Brass and Copper products), but it is also to be found in factories concerned with the treatment or manufacture of Skins, Leather, Clothing, Wood products and some other articles.

Each of the summaries in the series "Manufacturing Industries", relates as far as possible to the operations of factories classified to the industry specified. Sometimes articles applicable to this industry are also produced, as subsidiary production, in other industries, and, wherever possible, quantity tables have been extended to show details of production separately for the industry under review and the total in all industries.

3. BASIS OF THE STATISTICS: The scope of the factory statistics is fully explained in Part I of the annual Production Bulletin.

Briefly, a "factory" is taken to be a manufacturing establishment in which four or more hands are employed or in which power other than hand is used.

All persons employed in the manufacturing activities of the factory are counted as factory employees. The figures relating to employment, therefore, exclude all those engaged in selling and distribution, such as salesmen, travellers, collectors, carters engaged solely on outward delivery of manufactured goods, and retailing storemen. The figures do include, however, proprietors who work in their own factories as well as "out-workers".

The value of output is the wholesale selling value at the factory of goods made or processed during the year, including by-products. In addition it includes the value of other work done, such as repair work, assembling and making-up for customers.

The value of production is the value of output minus the cost of raw materials, containers, power, fuel, light, lubricants, water, tools replaced, and repairs to plant, and represents the value added in the process of manufacture within the factories. As full details of the cost of production are not collected, the amount of profit resulting from operations cannot be ascertained. The value of production, therefore, is the source from which such items as wages, interest, depreciation, profits, taxation, insurance, advertising and other sundry charges are met.

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# MANUFACTURING INDUSTRIES, AUSTRALIA : 1949-50

**Notes:** Summaries already issued in this Series are:- Nos. 1. Cement and Cement Goods; 2. Bricks, Tiles, Pottery and Earthenware; 3. Chemicals, Drugs and Medicines; 4. White Lead, Paints and Varnish; 5. Chemical Fertilizers; 6. Soap and Candles; 7. Industrial Metals - Ferrous - Parts I to IV; 8. Industrial Metals - Non-Ferrous - Parts I and II; 9. Electrical Machinery and Equipment; 10. Motor Vehicles and Cycles; 11. Agricultural Implements; 12. Wireless Apparatus; 13. Stoves, Ovens and Ranges; 14. Hosiery and Other Knitted Goods; 15. Tanneries; 16. Boots and Shoes; 17. Clothing; 18. Flour and Other Grain Mills; 19. Biscuits; 20. Confectionery; 21. Jam, Fruit and Vegetable Canning; 22. Pickles, Sauces, Condiments, Coffee, Spices, etc.; 23. Tobacco, Cigars and Cigarettes; 24. Sawmilling; 25. Rope and Cordage; 26. Rubber Works; 27. Electric Light and Power works; 28. Gas Works; 29. Cotton Mills; 30. Paper Mills; 31. Wineries and Distilleries; 32. Aerated Waters and Cordials; 33. Meat and Fish Preserving; 34. Wire and Wire Working (including Nails).

## BUTTER, CHEESE AND CONDENSED, CONCENTRATED, ETC. MILK

**1. SUMMARY OF STATISTICS:** The following table furnishes a summary of the principal statistics of the factories engaged in the manufacture of Butter, Cheese and Condensed, Concentrated, etc. Milk.

TABLE I : BUTTER, CHEESE AND CONDENSED, CONCENTRATED, ETC. MILK : AUSTRALIA

| Year    | Number of Factories | Persons Employed (a) | Salaries and Wages Paid (b) | Power, Fuel and Light, etc. Used (c) | Value of Materials etc. Used (d) | Value of Production (e) | Value of Output (f) |
|---------|---------------------|----------------------|-----------------------------|--------------------------------------|----------------------------------|-------------------------|---------------------|
| (1)     | (2)                 | (3)                  | (4)                         | (5)                                  | (6)                              | (7)                     | (8)                 |
| No.     | No.                 | £'000                | £'000                       | £'000                                | £'000                            | £'000                   | £'000               |
| 1945-46 | 523                 | 6,851                | 1,570                       | 329                                  | 25,162                           | 3,543                   | 33,095              |
| 1946-47 | 452                 | 8,146                | 2,737                       | 754                                  | 34,931                           | 5,024                   | 40,771              |
| 1947-48 | 449                 | 8,142                | 3,578                       | 874                                  | 44,419                           | 7,110                   | 52,403              |
| 1948-49 | 434                 | 10,016               | 4,237                       | 1,070                                | 52,837                           | 7,335                   | 61,240              |
| 1949-50 | 428                 | 10,469               | 4,941                       | 1,340                                | 60,742                           | 8,099                   | 70,201              |

(a) Includes Working Proprietors. (b) excludes amounts drawn by Working Proprietors. (c) includes also value of containers, packing, etc., replacements of tools and repairs to plant. (d) Value of Production equals column (7) less total of columns (4) and (3).

In the following table particulars of the industry are given for each State during the year 1949-50.

TABLE II : BUTTER, CHEESE AND CONDENSED, CONCENTRATED, ETC. MILK : STATES 1949-50

| Particulars                   | N.S.W.     | VIC.       | Q'LD.      | S.A.      | W.A.      | TAS.      | AUSTRALIA  |
|-------------------------------|------------|------------|------------|-----------|-----------|-----------|------------|
| Number of Factories           | 99         | 144        | 95         | 45        | 18        | 27        | 428        |
| Persons Employed (a) -        |            |            |            |           |           |           |            |
| Males                         | 1,956      | 4,221      | 1,435      | 805       | 304       | 278       | 8,999      |
| Females                       | 272        | 699        | 222        | 131       | 63        | 83        | 1,470      |
| Total                         | 2,228      | 4,920      | 1,657      | 936       | 367       | 361       | 10,469     |
| Value of -                    | £.         | £.         | £.         | £.        | £.        | £.        | £.         |
| Salaries and Wages Paid (b)   | 1,048,471  | 2,463,922  | 711,429    | 412,971   | 156,256   | 148,276   | 4,941,325  |
| Power, Fuel & Light etc. Used | 331,574    | 681,966    | 149,399    | 90,573    | 43,210    | 40,330    | 1,340,352  |
| Materials etc. Used           | 11,720,782 | 26,157,960 | 15,314,296 | 3,781,480 | 2,015,185 | 1,742,082 | 60,761,755 |
| Production (c)                | 1,591,938  | 4,081,198  | 1,217,468  | 645,942   | 318,290   | 244,431   | 8,099,267  |
| Output                        | 13,644,594 | 30,954,124 | 16,681,163 | 4,517,995 | 2,376,685 | 2,026,843 | 70,201,404 |
| Land and Buildings            | 1,136,456  | 1,688,358  | 859,067    | 343,434   | 139,550   | 192,833   | 4,561,698  |
| Plant and Machinery           | 1,490,158  | 2,311,347  | 991,255    | 327,878   | 207,146   | 219,442   | 5,547,226  |
| H.P. of eng-ines, etc. in use | 20,025     | 23,455     | 17,276     | 4,267     | 1,621     | 1,695     | 69,809     |

(a) Includes Working Proprietors. (b) excludes amounts drawn by Working Proprietors. (c) See note (d) to Table I.

2. AVERAGE SALARIES, OUTPUT AND PRODUCTION: Particulars of the average salary and wage paid, together with the average value of output and production per person engaged and the ratio of salaries and wages to the value of production are shown in the following table for the years 1938-39, 1945-46 and 1947-48 to 1949-50.

TABLE III : AVERAGE SALARIES AND WAGES PAID, OUTPUT ETC. PER EMPLOYEE : AUSTRALIA.

| Year    | Salaries and Wages per Employee (a) | Value of Output per Person Engaged (b) | Value of Production per Person Engaged (b) | Ratio per cent of Salaries and Wages to Value of Production |
|---------|-------------------------------------|----------------------------------------|--------------------------------------------|-------------------------------------------------------------|
|         | £                                   | £                                      | £                                          | %                                                           |
| 1938-39 | 231                                 | 4,831                                  | 517                                        | 44.29                                                       |
| 1945-46 | 309                                 | 4,583                                  | 565                                        | 54.48                                                       |
| 1947-48 | 373                                 | 5,435                                  | 737                                        | 50.33                                                       |
| 1948-49 | 425                                 | 6,114                                  | 732                                        | 57.77                                                       |
| 1949-50 | 473                                 | 6,706                                  | 774                                        | 61.01                                                       |

(a) Excludes Working Proprietors and amounts drawn by them.

(b) Includes Working Proprietors.

3. MATERIALS USED AND ARTICLES PRODUCED: In the following table details are given of the quantity and value of milk processed and the principal articles produced therefrom in Butter, Cheese and Condensed, Concentrated, etc. Milk Factories for the year 1949-50.

In the case of a few articles there is some production in establishments other than those classified for statistical purposes as Butter, Cheese etc., and where this occurs, it is indicated by footnote.

TABLE IV : PRINCIPAL MATERIALS USED AND ARTICLES PRODUCED : AUSTRALIA, 1949-50

| Particulars                                                        | Unit of Quantity | Quantity       | Value (£)     |
|--------------------------------------------------------------------|------------------|----------------|---------------|
| <u>Materials Used:</u>                                             |                  |                |               |
| Whole Milk used in Manufacture of -                                |                  |                |               |
| Butter (a) ..                                                      | gal.             | 789,213,587    | 37,402,204    |
| Cheese ..                                                          | "                | 96,712,280     | 5,454,641     |
| Condensed Dried and Other Milk Products (Incl. Ice Cream) (a) ..   | "                | 97,200,749     | 6,743,446     |
| Total Whole Milk Used ..                                           | "                | 983,126,616    | 49,600,341    |
| Skim Milk purchased ..                                             | "                | 34,663,245     | 210,560       |
| Butter Milk Purchased ..                                           | "                | (c)            | (c)           |
| Salt ..                                                            | cwt.             | 38,340         | 24,462        |
| Sugar ..                                                           | ton              | 20,576         | 641,827       |
| Cheddar Cheese Processed - Cheese Factories                        | lb.              | 7,953,526      | 459,185       |
| <u>Articles Produced:</u>                                          |                  |                |               |
| Butter ..                                                          | ton              | 168,074        | 42,377,199    |
| Cheese (Green Weight) ..                                           | "                | 41,777         | 6,667,358     |
| Cheese - Processed ..                                              | "                | 13,641         | 2,657,837     |
| Condensed Milk (Sweetened and Unsweetened) ..                      | "                | 49,767         | 5,128,178     |
| Concentrated Whole Milk ..                                         | "                | 17,270         | 655,599       |
| Powdered Milk -                                                    |                  |                |               |
| Full Cream - Spray ..                                              | "                | 14,785         | 3,092,565     |
| Roller ..                                                          | "                | 7,754          | 1,241,358     |
| Skim - Spray ..                                                    | "                | 3,098          | 254,251       |
| Roller ..                                                          | "                | (b) 6,181      | (b) 476,659   |
| Butter Milk and Whey ..                                            | "                | 3,103          | 144,170       |
| Infants' and Invalids' Foods (incl. Malted Milk and Milk Sugar) .. | "                | 10,282         | 2,052,900     |
| Casein ..                                                          | "                | 3,566          | 320,765       |
| Other Products -                                                   |                  |                |               |
| Butter Fat ..                                                      | "                | 1,156          | 340,706       |
| Ice Cream ..                                                       | gal.             | (b) 15,737,950 | (b) 4,638,841 |
| Ice Cream Mixture ..                                               | lb.              | (b) 15,330,655 | (b) 443,355   |
| Ice Made or Sold ..                                                | ton              | (b) 1,060,942  | (b) 2,302,355 |

(a) Includes Whole Milk equivalent of cream and butter fat purchased as such.

(b) Includes production in other works.

(c) Not available for publication.

The following table sets out particulars of the quantities and values of Butter and Cheese made in Australia during the years 1938-39, 1945-46 and 1947-48 to 1950-51.

**TABLE V : BUTTER AND CHEESE MADE : AUSTRALIA**

| Year       | Butter   |            | Cheese (a) |           |
|------------|----------|------------|------------|-----------|
|            | Quantity | Value      | Quantity   | Value     |
|            | tons     | £          | tons       | £         |
| 1938-39    | 194,783  | 27,030,555 | 28,976     | 2,085,106 |
| 1945-46    | 145,571  | 24,229,661 | 40,964     | 4,211,259 |
| 1947-48    | 157,587  | 32,558,547 | 41,441     | 5,026,318 |
| 1948-49    | 161,090  | 38,633,479 | 43,160     | 6,003,436 |
| 1949-50    | 166,074  | 42,577,199 | 44,777     | 6,667,358 |
| 1950-51(b) | 159,865  | (c)        | 44,557     | (c)       |

(a) Cheddar cheese, including that used for the manufacture of processed cheese.

(b) Subject to revision. (c) Not yet available.

The output of Condensed, Powdered etc. Milk products during the years 1938-39, 1945-46 and 1947-48 to 1950-51 is shown in the following table:-

**TABLE VI : PRODUCTION OF CONDENSED, CONCENTRATED ETC. MILK : AUSTRALIA**  
(Tons)

| (Tons)  |                                                |                         |               |        |       |        |                    |                                                             |
|---------|------------------------------------------------|-------------------------|---------------|--------|-------|--------|--------------------|-------------------------------------------------------------|
| Year    | Condensed Milk<br>(Sweetened and Un-sweetened) | Concentrated Whole Milk | Powdered Milk |        |       |        | Butter Milk & Whey | Infants' & Invalids' Foods (Incl. Malted Milk & Milk Sugar) |
|         |                                                |                         | Full Cream    |        | Skim  |        |                    |                                                             |
|         |                                                |                         | Spray         | Roller | Spray | Roller |                    |                                                             |
| 1938-39 | 15,519                                         | (a) 1,659               | 10,712        | (b)    | (b)   | (b)    | (a) 556            | (a) 1,259                                                   |
| 1945-46 | 42,897                                         | 9,138                   | 11,839        | 2,663  | 1,440 | 703    | 1,636              | 8,851                                                       |
| 1947-48 | 45,595                                         | 13,444                  | 12,376        | 3,639  | 1,940 | 2,439  | 3,411              | 9,452                                                       |
| 1948-49 | 47,773                                         | 13,177                  | 12,246        | 5,522  | 2,353 | 3,763  | 3,019              | 10,312                                                      |
| 1949-50 | 49,767                                         | 17,270                  | 14,785        | 7,754  | 3,098 | 6,181  | 3,103              | 10,282                                                      |
| 1950-51 | 48,463                                         | 18,142                  | 13,899        | 4,602  | (d)   | 5,903  | 2,955              | 10,457                                                      |
| (c)     |                                                |                         |               |        |       |        |                    |                                                             |

(a) Incomplete.

(b) Included with Powdered Milk, Full Cream, Spray

(c) Subject to revision.

(d) Included with Powdered Milk, Skim, Roller.

4. **EMPLOYMENT:** The number of employees shown in Tables I, II and VIII has been adjusted to represent the average employment over the whole year in those cases where short time was worked. In the following Table the factories have been classified for the years 1938-39, 1945-46 and 1947-48 to 1949-50 according to the average number employed during the actual period worked.

**TABLE VII : FACTORIES CLASSIFIED ACCORDING TO PERSONS EMPLOYED : AUSTRALIA**

| Number of Persons Employed in each Factory | 1938-39          |              | 1945-46          |              | 1947-48          |              | 1948-49          |              | 1949-50          |              |
|--------------------------------------------|------------------|--------------|------------------|--------------|------------------|--------------|------------------|--------------|------------------|--------------|
|                                            | No. of Factories | No. Employed | No. of Factories | No. Employed | No. of Factories | No. Employed | No. of Factories | No. Employed | No. of Factories | No. Employed |
|                                            |                  |              |                  |              |                  |              |                  |              |                  |              |
| Under 4                                    | 108              | 241          | 64               | 139          | 64               | 141          | 66               | 155          | 58               | 129          |
| 4                                          | 42               | 168          | 30               | 120          | 23               | 92           | 20               | 80           | 28               | 128          |
| 5 to 10                                    | 181              | 1,288        | 141              | 1,023        | 130              | 949          | 116              | 864          | 121              | 1,070        |
| 11 to 20                                   | 116              | 1,648        | 138              | 2,013        | 126              | 1,868        | 122              | 1,817        | 124              | 2,201        |
| 21 to 50                                   | 62               | 1,902        | 60               | 1,843        | 73               | 2,210        | 76               | 2,350        | 60               | 1,920        |
| 51 to 100                                  | 10               | 697          | 18               | 1,289        | 20               | 1,404        | 19               | 1,333        | 25               | 1,692        |
| 101 to 200                                 |                  |              | 7                | 963          | 9                | 1,259        | 11               | 1,644        | 7                | 1,104        |
| 201 & Over                                 | 4                | 945          | 4                | 1,551        | 4                | 1,792        | 4                | 1,799        | 5                | 2,067        |
| <b>TOTAL:</b>                              | 523              | 6,889        | 462              | 8,941        | 449              | 9,715        | 434              | 10,042       | 428              | 10,511       |
| <b>Average No. Employed per Factory</b>    | 13               |              | 19               |              | 22               |              | 23               |              | 25               |              |

Further details of employment in the industrial group - Butter, Cheese and Condensed, Concentrated, etc. Milk - are furnished in the two tables following.

In Table VIII the number of males and females employed in the industrial group - Butter, Cheese and Condensed etc. Milk - are shown for the years 1938-39, 1948-49 and 1949-50 according to the nature of their employment but, because of the change in classification which operated from 1945-46, comparison between 1938-39 and later years shown is not wholly effective.

**TABLE VIII : PERSONS EMPLOYED CLASSIFIED ACCORDING TO OCCUPATIONAL STATUS :**

| Occupational Status                                                           | Males   |         |         | Females |         |         |
|-------------------------------------------------------------------------------|---------|---------|---------|---------|---------|---------|
|                                                                               | 1938-39 | 1948-49 | 1949-50 | 1938-39 | 1948-49 | 1949-50 |
| Working Proprietors                                                           | 66      | 34      | 30      | 2       | 2       | 2       |
| Managerial and Clerical Staff, incl.<br>Salaried Managers & Working Directors | ( )     | 921     | 921     | ( )     | 695     | 713     |
| Chemists, Draftsmen and other<br>Laboratory and Research Staff                | 5,496   | 132     | 127     | 841     | 65      | 68      |
| Foremen and Overseers                                                         | ( )     | 348     | 384     | ( )     | 5       | 7       |
| Workers in Factory (Skilled and<br>Unskilled)                                 | ( )     | 6,525   | 6,914   | ( )     | 723     | 680     |
| Other (incl. Carters, Messengers, etc.)                                       | 445     | 565     | 623     | 1       | 1       | -       |
| <b>TOTAL:</b>                                                                 | 6,007   | 8,525   | 8,999   | 844     | 1,491   | 1,470   |

The numbers of persons employed on or about the 15th June for the years 1939, 1946 and 1948 to 1950, are distributed according to age and sex in Table IX.

**TABLE IX : DISTRIBUTION OF EMPLOYEES ACCORDING TO AGE AND SEX : AUSTRALIA**  
(Excluding Working Proprietors)

| June                 | Under<br>16<br>years | 16<br>years | 17<br>years | 18<br>years | 19<br>years | 20<br>years | Total<br>16 to 20<br>years | 21<br>years &<br>Over | Total<br>All<br>Ages |
|----------------------|----------------------|-------------|-------------|-------------|-------------|-------------|----------------------------|-----------------------|----------------------|
| <b>M A L E S</b>     |                      |             |             |             |             |             |                            |                       |                      |
| 1939                 | 119                  | (a)         | (a)         | (a)         | (a)         | (a)         | 826                        | 4,658                 | 5,603                |
| 1946                 | 91                   | 121         | 163         | 169         | 172         | 148         | 772                        | 6,387                 | 7,250                |
| 1948                 | 107                  | 127         | 121         | 155         | 152         | 171         | 726                        | 6,890                 | 7,723                |
| 1949                 | 123                  | 106         | 142         | 135         | 155         | 140         | 678                        | 7,415                 | 8,216                |
| 1950                 | 96                   | 121         | 133         | 135         | 154         | 176         | 719                        | 7,526                 | 8,341                |
| <b>F E M A L E S</b> |                      |             |             |             |             |             |                            |                       |                      |
| 1939                 | 38                   | (a)         | (a)         | (a)         | (a)         | (a)         | 335                        | 415                   | 788                  |
| 1946                 | 52                   | 100         | 116         | 119         | 141         | 111         | 587                        | 743                   | 1,382                |
| 1948                 | 68                   | 73          | 94          | 138         | 129         | 129         | 563                        | 827                   | 1,458                |
| 1949                 | 63                   | 84          | 92          | 99          | 134         | 118         | 527                        | 852                   | 1,442                |
| 1950                 | 57                   | 80          | 97          | 97          | 106         | 108         | 488                        | 862                   | 1,407                |

(a) Details not collected.

**5. POWER EQUIPMENT:** Statistics of the power equipment of the factories included in this group are given in the next table. The details given include the rated horse-power of engines ordinarily in use, together with those in reserve or idle.

**TABLE X : TYPES AND RATED HORSE-POWER OF ENGINES : AUSTRALIA**

| Class of Engine                | Rated Horse-Power of Engines |           |           |                    |                 |
|--------------------------------|------------------------------|-----------|-----------|--------------------|-----------------|
|                                | Ordinarily in Use            |           |           | In reserve or idle |                 |
|                                | 1938-39                      | 1948-49   | 1949-50   | 1938-39            | 1948-49 1949-50 |
| Steam - Reciprocating          | 6,638                        | 5,945     | 5,653     | 2,972              | 2,283 1,705     |
| Turbine                        | 1,080                        | 697       | 687       | 66                 | 34 4            |
| Internal Combustion -          |                              |           |           |                    |                 |
| Gas                            | 3,832                        | 2,851     | 2,963     | 801                | 146 178         |
| Petrol or Other Light Oils     | 1,096                        | 1,449     | 978       | 206                | 44 162          |
| Heavy Oils                     | 16,238                       | 11,978    | 11,248    | 1,521              | 4,163 3,795     |
| Water                          | 40                           | 2         | 37        | -                  | - -             |
| <b>Total Prime Movers:</b>     | 28,924                       | 22,922    | 21,566    | 5,566              | 6,670 5,844     |
| Motors driven by electricity - |                              |           |           |                    |                 |
| Purchased                      | 16,135                       | 43,288    | 48,243    | 1,220              | 3,010 3,576     |
| Own Generation                 | (a) 8,382                    | (a) 9,255 | (a) 9,771 | 540                | 1,679 1,527     |
| <b>Total Electricity:</b>      | 24,517                       | 52,543    | 58,014    | 1,760              | 4,689 5,103     |
| <b>TOTAL POWER USED:</b>       | 45,059                       | 66,210    | 69,809    | 7,326              | 11,359 10,947   |

(a) These motors are driven by electricity generated by Prime Movers shown above, and are excluded from statistics of total power used to avoid duplication.

6. **MACHINE EQUIPMENT:** The available particulars of the number of machines used in Butter and Cheese factories are given in the next table, for the years 1948-49 and 1949-50.

**TABLE XI : MACHINERY EQUIPMENT : STATES, 1948-49 AND 1949-50**

| State  | Separators |         | Churns  |         | Butter Workers |         | Combined Churns & Butter Workers |         | Cheese Presses |         |
|--------|------------|---------|---------|---------|----------------|---------|----------------------------------|---------|----------------|---------|
|        | 1948-49    | 1949-50 | 1948-49 | 1949-50 | 1948-49        | 1949-50 | 1948-49                          | 1949-50 | 1948-49        | 1949-50 |
| N.S.W. | 24         | 28      | 31      | 36      | 17             | 16      | 126                              | 120     | 78             | 76      |
| Vic.   | (a)        | (a)     | (a)     | (a)     | (a)            | (a)     | (a)                              | (a)     | (a)            | (a)     |
| Qld.   | 1          | 1       | 4       | 2       | 4              | 2       | 134                              | 130     | 217            | 213     |
| S.A.   | 13         | 12      | 10      | 8       | 2              | 1       | 29                               | 31      | 204            | 200     |
| W.A.   | -          | -       | 2       | 4       | -              | 2       | 16                               | 18      | 27             | 29      |
| Tas.   | -          | -       | 15      | 13      | 5              | 3       | 17                               | 20      | 14             | 15      |

(a) Complete figures are not available.

7. **POWER, FUEL AND LIGHT, ETC. USED:** Details of the quantities and values of the various items of power, fuel and light, etc. used in Butter, Cheese and Condensed, Concentrated, etc. Milk Factories are shown in the following table:-

**TABLE XII : POWER, FUEL AND LIGHT, ETC. USED : AUSTRALIA**

| Particulars                    | Unit of Qty. | Quantity  |           |           | Value £ |           |           |
|--------------------------------|--------------|-----------|-----------|-----------|---------|-----------|-----------|
|                                |              | 1938-39   | 1948-49   | 1949-50   | 1938-39 | 1948-49   | 1949-50   |
| Power, Fuel and Light-         |              |           |           |           |         |           |           |
| Coal - Black                   | ton          | 35,416    | 84,864    | 105,676   | 41,893  | 225,792   | 312,325   |
| Brown                          | "            | 29,224    | 37,473    | 72,740    | 35,890  | 40,010    | 95,899    |
| Brown Coal Briquettes          | "            | (a)       | 42,974    | 30,338    | (a)     | 84,352    | 71,507    |
| Coke                           | "            | 1,342     | 1,464     | 2,363     | 2,017   | 3,633     | 5,982     |
| Wood                           | "            | 249,388   | 267,982   | 262,872   | 118,786 | 266,770   | 303,464   |
| Fuel Oil                       | gal.         | 1,114,582 | 1,891,784 | 2,382,893 | 51,098  | 114,051   | 163,870   |
| Tar Fuel                       | "            | (b)       | 26,716    | 32,160    | (c)     | 1,414     | 1,340     |
| Electricity                    | (d)          | (d)       | (d)       | (d)       | 88,304  | 247,573   | 291,222   |
| Gas                            | (d)          | (d)       | (d)       | (d)       | 1,359   | 623       | 656       |
| Other (Charcoal, etc.)         | (d)          | (d)       | (d)       | (d)       | 6,689   | 16,123    | 13,918    |
| Water and Lubricating Oil used | (d)          | (d)       | (d)       | (d)       | 43,465  | 69,733    | 80,169    |
| <b>TOTAL:</b>                  |              | (a)       | (d)       | (d)       | 389,501 | 1,070,074 | 1,340,352 |

(a) Included with Brown Coal.

(b) Not available.

(c) Included with other (Charcoal, etc.)

(d) Value only available.

8. **VALUE OF LAND AND BUILDINGS, PLANT AND MACHINERY:** Particulars of the book value of premises occupied and plant used for Butter, Cheese and Condensed, Concentrated etc. Milk Factories at the 30th June for the years 1938-39, 1945-46 and 1947-48 to 1949-50 are shown in the next table. Details of the values of additions and replacements made and depreciation allowed during the same period are also shown. It should be noted that the amounts are those recorded by factories which were operating during each year and that changes in their number, as well as other factors affect comparison from year to year.

**TABLE XIII : VALUE OF LAND AND BUILDINGS, PLANT AND MACHINERY, ETC. : AUSTRALIA**  
(i)

| Year    | Book Values at 30th June (a) |                     | Additions & Replacements made during year |                     | Depreciation allowed during year |                     |
|---------|------------------------------|---------------------|-------------------------------------------|---------------------|----------------------------------|---------------------|
|         | Land and Buildings           | Plant and Machinery | Land and Buildings                        | Plant and Machinery | Land and Buildings               | Plant and Machinery |
| 1938-39 | 2,880,323                    | 3,066,840           | 144,195                                   | 363,710             | 78,298                           | 299,382             |
| 1945-46 | 3,506,020                    | 3,507,366           | 128,602                                   | 560,885             | 93,845                           | 438,299             |
| 1947-48 | 4,072,933                    | 4,156,415           | 367,097                                   | 820,975             | 101,862                          | 442,705             |
| 1948-49 | 4,235,559                    | 4,678,802           | 383,802                                   | 1,163,637           | 112,075                          | 579,433             |
| 1949-50 | 4,561,898                    | 5,547,226           | 448,309                                   | 1,467,445           | 144,734                          | 746,156             |

(a) Includes estimated value of rented premises and machinery.

9. EXTERNAL TRADE: Details of the exports of Butter, Cheese and Condensed, Concentrated, etc. Milk are given in the following table for the years 1938-39, 1945-46 and 1947-48 to 1949-50.

TABLE XIV : EXPORTS OF BUTTER, CHEESE AND CONDENSED, CONCENTRATED, ETC. MILK (a) :

AUSTRALIA

| Articles                                                | Unit    | 1938-39    | 1945-46    | 1947-48    | 1948-49    | 1949-50    |
|---------------------------------------------------------|---------|------------|------------|------------|------------|------------|
| *Butter (b)                                             | ton     | 102,481    | 61,992     | 83,503     | 82,784     | 81,074     |
|                                                         | EA fob. | 12,891,837 | 12,403,116 | 20,904,131 | 24,145,013 | 25,410,543 |
| • Cheese                                                | ton     | 16,038     | 14,629     | 22,775     | 26,021     | 22,948     |
|                                                         | EA fob. | 1,074,008  | 1,689,124  | 3,262,634  | 4,100,641  | 4,145,462  |
| • Milk (Preserved, Condensed, concentrated) - Sweetened | ton     | 5,613      | 17,804     | 29,750     | 29,464     | 31,471     |
| Unsweetened                                             | "       | 337        | 4,307      | 1,492      | 1,481      | 831        |
| Milk (Dried or in powdered form) - Full Cream           | "       | 1,340      | 2,655      | 6,270      | 6,317      | 10,654     |
| Skim                                                    | "       | 257        | 487        | 2,520      | 4,542      | 8,514      |
| Malted                                                  | "       | 252        | 917        | 1,611      | 1,887      | 1,222      |
| Infants' & Invalids' Foods - Essentially of Milk        | "       | 731        | 1,236      | 1,525      | 2,790      | 3,126      |
| Other n.e.i.                                            | "       | -          | 403        | 1,802      | 2,319      | 2,434      |

(a) Excludes Ships' Stores. (b) Includes Dry Butter Fat, Ghee and Tropical Spread expressed as Butter.

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