

COMMONWEALTH BUREAU OF CENSUS AND STATISTICS, CANBERRA,  
AUSTRALIA.

**MANUFACTURING INDUSTRIES.**  
**1953-54.**

**No. 23. MEAT AND FISH  
PRESERVING.**

PREPARED UNDER INSTRUCTIONS FROM  
THE RIGHT HONORABLE THE TREASURER,

BY

**S. R. CARVER,**  
ACTING COMMONWEALTH STATISTICIAN.

COMMONWEALTH BUREAU OF CENSUS AND STATISTICS, CANBERRA.

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P R E F A C E

1. GENERAL: The Bulletins in the series for 1953-54 are listed on the back of the cover of this Bulletin and incorporate the same range of industries as the 1952-53 series.

Where a number of industries are combined in one Bulletin the introductory paragraph on Page 3 specifies the industries so included.

2. CLASSIFICATION OF FACTORIES: For purposes of industry classification, factories in Australia are classified according to the nature of their 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, factories are classified according to predominant activity and these cases are encountered most frequently in the Metal Trades, (e.g. General Engineering firms also producing Agricultural Implements or Stoves, etc.), and to a lesser degree in factories concerned with Skins, Leather, Clothing and Wood products.

Each of the summaries in the "Manufacturing Industries" series relates as far as possible to the operations of factories classified to the industry specified. Sometimes articles normally produced in the industry covered by a particular Bulletin 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 the annual Secondary Industries Bulletin.

Briefly, a "factory" is taken to be a manufacturing establishment in which four or more persons 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 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 added to raw materials by the process of manufacture. It is calculated by deducting from the value of factory output the value (at the factory) of the materials used, containers and packing, power, fuel and light used, tools replaced and materials used in repairs to plant (but not depreciation charges). The value of production is the source from which such items as wages, interest, depreciation, profits, taxation, advertising and other sundry charges are met. As full details of costs of production are not collected, the amount of profit resulting from factory operations cannot be ascertained from the figures contained herein.

S. R. CARVER  
ACTING COMMONWEALTH STATISTICIAN

**MANUFACTURING INDUSTRIES - AUSTRALIA - 1953-54****MEAT AND FISH PRESERVING**

1. **SUMMARY OF STATISTICS:** The following table furnishes a summary, for the years 1938-39, 1945-46 and 1951-52 of the principal statistics of the factories engaged in Meat and Fish Preserving. It should be noted that details relating to small establishments not classified for statistical purposes as factories are not included in the figures shown herein.

**TABLE 1 : MEAT AND FISH PRESERVING : AUSTRALIA**

| Year    | Factories<br>(1) | Persons<br>Employed<br>(a)(2) | Salaries<br>and Wages<br>Paid<br>(b)(3) | Power, Fuel<br>and Light,<br>etc. used<br>(c)(4) | Value of<br>Materials,<br>etc. used<br>(d)(5) | Value of<br>Production<br>(e)(6) | Value of<br>Output<br>(f)(7) |
|---------|------------------|-------------------------------|-----------------------------------------|--------------------------------------------------|-----------------------------------------------|----------------------------------|------------------------------|
|         | Number           | Number                        | £'000                                   | £'000                                            | £'000                                         | £'000                            | £'000                        |
| 1938-39 | 32               | 4,093                         | 1,180                                   | 134                                              | 6,351                                         | 1,601                            | 8,086                        |
| 1945-46 | 57               | 6,741                         | 2,297                                   | 257                                              | 11,800                                        | 3,439                            | 15,496                       |
| 1951-52 | 87               | 7,386                         | 5,222                                   | 742                                              | 33,828                                        | 8,751                            | 43,321                       |
| 1952-53 | 98               | 8,711                         | 6,820                                   | 972                                              | 47,637                                        | 12,126                           | 60,735                       |
| 1953-54 | 106              | 9,113                         | 7,395                                   | 1,015                                            | 46,671                                        | 11,374                           | 59,060                       |

(a) Average over whole year; includes Working Proprietors. (b) Excludes amounts drawn by Working Proprietors. (c) Includes Water and Lubricating Oil. (d) Includes value of containers, packing, etc. replacements of tools and repairs to plant. (e) Value of Production equals column (7) less total of columns (4) and (5). (f) Value of goods produced.

In the following table particulars of the Industry are given for each State during the year 1953-54.

**TABLE 2 : MEAT AND FISH PRESERVING : STATES : 1953-54**

| Particulars                       | N.S.W. | VIC.  | Q'ld.  | S.A.  | W.A.  | Tas.  | Aust.  |
|-----------------------------------|--------|-------|--------|-------|-------|-------|--------|
| Number of Factories               | 14     | 16    | 26     | 21    | 25    | 4     | 106    |
| Number Employed                   |        |       |        |       |       |       |        |
| Males                             | 515    | 650   | 5,724  | 214   | 477   | 34    | 7,614  |
| Females                           | 334    | 414   | 527    | 126   | 86    | 12    | 1,499  |
| Total                             | 849    | 1,064 | 6,251  | 340   | 563   | 46    | 9,113  |
| Salaries and Wages Paid           | £'000  | £'000 | £'000  | £'000 | £'000 | £'000 | £'000  |
| Paid                              | 586    | 845   | 5,217  | 203   | 510   | 34    | 7,395  |
| Value of -                        |        |       |        |       |       |       |        |
| Power, Light and Fuel, etc. Used  | 101    | 106   | 709    | 20    | 74    | 5     | 1,015  |
| Materials, etc. Used              | 3,138  | 5,155 | 33,640 | 1,136 | 3,536 | 66    | 46,671 |
| Production                        | 1,161  | 1,265 | 7,525  | 374   | 1,001 | 48    | 11,374 |
| Output                            | 4,400  | 6,526 | 41,874 | 1,530 | 4,611 | 119   | 59,060 |
| Land and Buildings (a)            | 393    | 630   | 2,494  | 169   | 762   | 52    | 4,500  |
| Plant and Machinery (a)           | 385    | 477   | 1,291  | 148   | 496   | 29    | 2,826  |
| H.P. of Engines ordinarily in use | H.P.   | H.P.  | H.P.   | H.P.  | H.P.  | H.P.  | H.P.   |
| ordinarily in use                 | 3,057  | 2,931 | 20,356 | 1,011 | 4,114 | 341   | 31,810 |

(a) Depreciated or book values at end of year.

See also notes to Table 1. above.

2. **AVERAGE SALARIES, OUTPUT AND PRODUCTION:** Particulars of the average salary and wage paid in Meat and Fish Preserving Works, together with the average values of output and production per person engaged and the ratio of salaries and wages to value of production are shown in the following table for the years 1938-39, 1945-46 and 1951-52 to 1953-54.

**TABLE 3 : MEAT AND FISH PRESERVING FACTORIES : 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 of Salaries and Wages to Value of Production |
|---------|-------------------------------------|----------------------------------------|--------------------------------------------|----------------------------------------------------|
|         | £                                   | £                                      | £                                          | %                                                  |
| 1938-39 | 289                                 | 1,975                                  | 391                                        | 73.72                                              |
| 1945-46 | 342                                 | 2,299                                  | 510                                        | 66.81                                              |
| 1951-52 | 709                                 | 5,865                                  | 1,185                                      | 59.67                                              |
| 1952-53 | 780                                 | 6,925                                  | 1,383                                      | 56.24                                              |
| 1953-54 | 814                                 | 6,481                                  | 1,248                                      | 65.02                                              |

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

3. ARTICLES PRODUCED: The two tables following show particulars of the quantity and value of the principal articles produced in Meat and Fish Preserving Works during the year 1953-54. A number of the articles produced in establishments classified for statistical purposes as Meat and Fish Preserving Works are, however, also produced in other establishments and the amounts so produced have been included in the figures shown in both tables.

TABLE 4 : PRINCIPAL ARTICLES PRODUCED IN MEAT AND FISH PRESERVING WORKS AUSTRALIA : 1953-54

| Particulars                                    | Unit of Qty. | Total Production incl. that Produced in establishments not classified as Meat and Fish Preserving |            |
|------------------------------------------------|--------------|---------------------------------------------------------------------------------------------------|------------|
|                                                |              | Quantity                                                                                          | Value (£)  |
| Canned Meat - Beef and Veal                    | lb.          | 95,841,933                                                                                        | 13,774,206 |
| Mutton                                         | "            | 20,039,876                                                                                        | 2,292,658  |
| Tongues                                        | "            | 2,940,387                                                                                         | 803,419    |
| Sausages                                       | "            | 790,232                                                                                           | 93,499     |
| Bacon and Ham                                  | "            | 8,939,920                                                                                         | 2,555,373  |
| Meat & Vegetables (other than Pork & Beans)    | "            | 16,216,522                                                                                        | 1,674,076  |
| Rabbits                                        | "            | -                                                                                                 | -          |
| Poultry                                        | "            | 1,922                                                                                             | 784        |
| Other                                          | "            | 15,496,775                                                                                        | 1,653,127  |
| Total Canned Meat                              | "            | 160,267,567                                                                                       | 22,847,142 |
| Margarine (a) - Table                          | "            | 21,865,760                                                                                        | 2,180,904  |
| Other                                          | "            | 49,939,456                                                                                        | 3,122,990  |
| Fats Edible -                                  |              |                                                                                                   |            |
| Vegetable - consumed in own works              | cwt.         | 73,089                                                                                            | (b)        |
| for sale or addition to stocks                 | "            | 191,178                                                                                           | 1,944,629  |
| Animal - Dripping                              | "            | 357,802                                                                                           | 1,404,269  |
| Lard                                           | "            | 40,973                                                                                            | 342,203    |
| Tallow edible n.e.i.                           | "            | 388,222                                                                                           | 1,545,643  |
| Fats - Inedible- Oleo - Stearine               | "            | 36,891                                                                                            | 134,828    |
| Tallow - Inedible                              | "            | 1,101,114                                                                                         | 3,490,716  |
| Meat-Extracts and Essences                     | lb.          | 1,836,500                                                                                         | 1,023,201  |
| Pastes                                         | "            | 495,839                                                                                           | 123,385    |
| Stock & Poultry Foods -                        |              |                                                                                                   |            |
| Blood Meal                                     | cwt.         | 80,773                                                                                            | 125,560    |
| Liver Meal                                     | "            | 27,236                                                                                            | 61,768     |
| Other Meat and Bone Meal                       | "            | 1,669,776                                                                                         | 1,968,521  |
| Sausage Casings - Beef                         | cwt.         | 24,498                                                                                            | 223,011    |
| Mutton & Lamb                                  | "            | 33,747                                                                                            | 1,689,041  |
| Pig                                            | "            | 4,579                                                                                             | 177,549    |
| Fish, Canned incl. Fish Loaf, Fish Cakes, etc. | lb.          | 6,604,587                                                                                         | 838,179    |
| Fish Paste                                     | "            | 1,128,402                                                                                         | 419,932    |
| Fish, Smoked                                   | "            | 26,901,436                                                                                        | 4,525,447  |
| Fish Meal                                      | cwt.         | (c)                                                                                               | (c)        |
| Fish Liver Oil                                 | gal.         | (c)                                                                                               | (c)        |

(a) Preliminary figures for 1954-55, Table Margarine 194,883 cwt. Other Margarine 443,892 cwt. (b) Quantity only available. (c) Not available for publication.

In the following table comparative details of the output of preserved meat and fish products in all factories in Australia are given for the years 1938-39, 1945-46 and 1951-52 to 1953-54. Preliminary details of the output of canned meat, canned fish and fish paste during 1954-55 are also shown.

TABLE 5 : MEAT AND FISH PRODUCTS : OUTPUT IN ALL FACTORIES : AUSTRALIA ('000 lb.)

| Year        | Canned Meat (All Kinds) | Meat Extracts and Pastes | Fish Canned (a) | Fish Pastes |
|-------------|-------------------------|--------------------------|-----------------|-------------|
| 1938-39     | 32,161                  | 737                      | 603             | 102         |
| 1945-46     | 120,795                 | 2,338                    | 1,684           | 1,204       |
| 1951-52     | 144,724                 | 1,795                    | 7,295           | 854         |
| 1952-53     | 209,376                 | 2,094                    | 7,705           | 844         |
| 1953-54     | 160,268                 | 2,332                    | 6,605           | 1,128       |
| 1954-55 (b) | 172,440                 | (c)                      | 6,680           | 1,063       |

(a) Excludes Shell-fish; includes Fish Loaf. (b) Subject to revision.  
(c) Not yet available.

4. **EMPLOYMENT:** The number of persons employed in Meat and Fish Preserving Works, as shown in Tables 1, 2 and 7 have 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 according to the average number employed during the actual period worked.

**TABLE 6 : MEAT AND FISH PRESERVING FACTORIES CLASSIFIED ACCORDING TO PERSONS EMPLOYED :**  
**AUSTRALIA**

| Number of Persons Employed in each Factory | 1938-39          |              | 1945-46          |              | 1951-52          |              | 1952-53          |              | 1953-54          |              |
|--------------------------------------------|------------------|--------------|------------------|--------------|------------------|--------------|------------------|--------------|------------------|--------------|
|                                            | 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                                    | 1                | 3            | 2                | 5            | 9                | 17           | 12               | 20           | 17               | 32           |
| 4                                          | 2                | 8            | 1                | 4            | 1                | 4            | 4                | 16           | 3                | 12           |
| 5 to 10                                    | 7                | 47           | 8                | 46           | 19               | 149          | 18               | 136          | 17               | 128          |
| 11 to 20                                   | 5                | 76           | 10               | 148          | 13               | 194          | 18               | 262          | 22               | 329          |
| 21 to 50                                   | 5                | 148          | 11               | 287          | 14               | 496          | 12               | 389          | 18               | 585          |
| 51 to 100                                  | 3                | 249          | 4                | 266          | 12               | 822          | 15               | 1,073        | 11               | 818          |
| 101 to 200                                 | 9                | 3,593        | 11               | 1,675        | 9                | 1,271        | 9                | 1,415        | 8                | 1,320        |
| 201 to 300                                 |                  |              | 5                | 1,328        | 6                | 1,423        | 5                | 1,177        | 4                | 942          |
| 301 and over                               |                  |              | 5                | 3,693        | 4                | 3,546        | 5                | 4,330        | 6                | 5,058        |
| Total:                                     | 32               | 4,124        | 57               | 7,452        | 87               | 7,922        | 98               | 8,818        | 106              | 9,224        |
| Average Number Employed per Factory        | 129              |              | 131              |              | 91               |              | 90               |              | 87               |              |

Further details of employment are furnished in the following two tables. In Table 7 the numbers employed are shown for the years 1938-39, 1945-46 and 1951-52 to 1953-54 according to the nature of their employment but because of the change in classification of occupational status adopted in 1945-46, comparison between 1938-39 and the later years shown is not possible.

**TABLE 7 : MEAT AND FISH PRESERVING FACTORIES : PERSONS EMPLOYED :**  
**MALES CLASSIFIED ACCORDING TO OCCUPATIONAL STATUS :**

**AUSTRALIA**

| Occupational Status                                                          | 1938-39 | 1945-46 | 1951-52 | 1952-53 | 1953-54 |
|------------------------------------------------------------------------------|---------|---------|---------|---------|---------|
| <b>Males</b>                                                                 |         |         |         |         |         |
| Working Proprietors                                                          | 10      | 23      | 14      | 20      | 20      |
| Managerial and Clerical Staff, incl. Salaried Managers and Working Directors | 3,775   | 429     | 529     | 595     | 580     |
| Chemists, Draftsmen and other Laboratory and Research Staff                  |         | 15      | 24      | 28      | 29      |
| Foremen and Overseers                                                        |         | 236     | 323     | 360     | 394     |
| Workers in Factory (Skilled and Unskilled)                                   | 9       | 4,697   | 5,074   | 6,212   | 6,558   |
| Others (Carters and Messengers)                                              |         | 14      | 26      | 31      | 33      |
| <b>TOTAL MALES</b>                                                           | 3,794   | 5,414   | 5,390   | 7,246   | 7,614   |
| <b>TOTAL FEMALES (a)</b>                                                     | 299     | 1,327   | 1,396   | 1,525   | 1,499   |
| <b>TOTAL PERSONS:</b>                                                        | 4,093   | 6,741   | 7,386   | 8,771   | 9,113   |

(a) Mainly Workers in Factory (Skilled and Unskilled).

In the following table the numbers of persons employed in Meat and Fish Preserving Works, in June in the years 1939, 1946 and 1952 to 1954 are shown according to age and sex distribution.

**TABLE 8 : MEAT AND FISH PRESERVING FACTORIES :  
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 years<br>and<br>over | Total<br>All<br>Ages |
|--------------|----------------------|-------------|-------------|-------------|-------------|-------------|----------------------------|-------------------------|----------------------|
| <b>MALES</b> |                      |             |             |             |             |             |                            |                         |                      |
| 1939 (a)     | 140                  | (b)         | (b)         | (b)         | (b)         | (b)         | 449                        | 4,396                   | 4,985                |
| 1946(a)(c)   | 14                   | 50          | 74          | 36          | 41          | 47          | 248                        | 2,647                   | 2,909                |
| 1952(d)      | 123                  | 112         | 133         | 96          | 93          | 79          | 513                        | 7,094                   | 7,730                |
| 1953(d)      | 96                   | 138         | 174         | 154         | 138         | 146         | 750                        | 7,695                   | 8,541                |
| 1954(d)      | 136                  | 115         | 122         | 158         | 85          | 119         | 599                        | 8,521                   | 9,256                |

**FEMALES**

|            |    |     |     |     |     |     |     |       |       |
|------------|----|-----|-----|-----|-----|-----|-----|-------|-------|
| 1939(a)    | 13 | (b) | (b) | (b) | (b) | (b) | 161 | 192   | 366   |
| 1946(a)(c) | 16 | 24  | 45  | 43  | 37  | 42  | 191 | 864   | 1,071 |
| 1952(d)    | 30 | 56  | 74  | 63  | 43  | 37  | 273 | 1,235 | 1,538 |
| 1953(d)    | 14 | 31  | 42  | 51  | 42  | 33  | 199 | 1,168 | 1,381 |
| 1954(d)    | 8  | 22  | 68  | 55  | 58  | 51  | 254 | 1,448 | 1,710 |

(a) Pay day nearest 15th June. (b) Details not collected. (c) Decrease in employment due to Queensland industrial disputes. (d) Last pay day in June.

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

**TABLE 9 : MEAT AND FISH PRESERVING FACTORIES :  
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                      | 1952-53       | 1953-54       | 1938-39            | 1952-53      | 1953-54      |
| Steam - Reciprocating          | 4,555                        | 5,783         | 6,436         | 607                | 810          | 810          |
| Turbine                        | 2,280                        | -             | 3,625         | -                  | -            | 1,275        |
| Internal Combustion -          |                              |               |               |                    |              |              |
| Gas                            | 145                          | 136           | 136           | -                  | -            | -            |
| Petrol or other Light Oils     | 100                          | 660           | 770           | -                  | 139          | 84           |
| Heavy Oils                     | 1,676                        | 3,393         | 3,391         | 210                | 488          | 753          |
| Water                          | -                            | -             | -             | -                  | -            | -            |
| <b>Total Prime Movers</b>      | <b>8,756</b>                 | <b>9,972</b>  | <b>14,358</b> | <b>817</b>         | <b>1,437</b> | <b>2,922</b> |
| Motors driven by electricity - |                              |               |               |                    |              |              |
| Purchased                      | 4,629                        | 17,761        | 17,452        | 49                 | 1,641        | 1,412        |
| Own Generation                 | (a) 4,581                    | (a) 3,454     | (a) 8,501     | 40                 | 322          | 392          |
| <b>Total Electricity</b>       | <b>9,210</b>                 | <b>21,215</b> | <b>25,953</b> | <b>89</b>          | <b>1,963</b> | <b>1,804</b> |
| <b>TOTAL POWER EMPLOYED:</b>   | <b>13,385</b>                | <b>27,733</b> | <b>31,810</b> | <b>906</b>         | <b>3,400</b> | <b>4,726</b> |

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

6. **POWER, FUEL AND LIGHT USED:** Details of the quantities and values of the various items of power, fuel and light etc. used in Meat and Fish Preserving factories during the years 1938-39, 1952-53 and 1953-54 are shown in the following table.

**TABLE 10 : MEAT AND FISH PRESERVING FACTORIES : POWER, FUEL AND LIGHT ETC. USED : AUSTRALIA**

| Particulars                        | Unit of Quantity | Quantity |         |         | Value (£) |         |           |
|------------------------------------|------------------|----------|---------|---------|-----------|---------|-----------|
|                                    |                  | 1938-39  | 1952-53 | 1953-54 | 1938-39   | 1952-53 | 1953-54   |
| Power, Fuel and Light-Coal - Black | ton              | 58,847   | 120,544 | 132,337 | 85,945    | 524,335 | 571,933   |
| Brown                              | "                | 204      | 8,575   | 3,166   | 304       | 19,327  | 8,776     |
| Brown Coal Briquettes              | "                | (a)      | 341     | 5,077   | (a)       | 1,708   | 25,557    |
| Coke                               | "                | 95       | 11      | 27      | 186       | 151     | 152       |
| Wood                               | "                | 1,328    | 7,085   | 6,609   | 731       | 15,953  | 15,604    |
| Fuel Oil                           | gallon           | 41,544   | 688,402 | 698,338 | 5,450     | 64,250  | 68,345    |
| Tar (Fuel)                         | "                | (b)      | 164,008 | 227,332 | (a)       | 8,925   | 11,452    |
| Electricity                        | -                | }        | (d)     | (d)     | 24,477    | 204,323 | 196,658   |
| Gas                                | -                |          |         |         | 343       | 1,975   | 2,328     |
| Other (Charcoal etc.)              | -                |          |         |         | 2,754     | 55,832  | 29,325    |
| Water and Lubricating Oil used     | -                | }        |         |         | 14,028    | 75,379  | 84,949    |
| TOTAL:                             |                  | (d)      | (d)     | (d)     | 134,218   | 972,158 | 1,015,079 |

(a) Included with Brown Coal. (b) Not collected. (c) Value included with other (charcoal, etc.) (d) Value only available.

7. **VALUE OF LAND AND BUILDINGS, PLANT AND MACHINERY:** Particulars of the value of premises occupied and plant installed in Meat and Fish Preserving Factories as at 30th June, for the years 1938-39, 1945-46 and 1951-52 to 1953-54 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 shown 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 11 : MEAT AND FISH PRESERVING FACTORIES : VALUE OF LAND AND BUILDINGS, PLANT AND MACHINERY, ETC. : AUSTRALIA**

| Year    | Book Values as 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 | 1,965,666                       | 1,324,575           | 85,153                                    | 156,742             | 35,058                           | 65,242              |
| 1945-46 | 2,412,458                       | 1,540,643           | 54,046                                    | 74,671              | 56,687                           | 119,509             |
| 1951-52 | 3,989,592                       | 2,622,799           | 545,789                                   | 415,871             | 64,542                           | 166,762             |
| 1952-53 | 4,562,478                       | 2,785,927           | 208,425                                   | 439,190             | 76,340                           | 183,233             |
| 1953-54 | 4,500,464                       | 2,826,137           | 355,872                                   | 440,705             | 64,649                           | 209,881             |

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

8. **EXTERNAL TRADE:** The quantities and values of imports and exports of a number of items included in the group - Meat and Fish preserving - are given in the following tables for the years 1938-39, 1945-46 and 1951-52 to 1953-54.

**TABLE 12 : IMPORTS OF SPECIFIED ITEMS OF MEAT AND FISH : AUSTRALIA**

| Particulars                    | Unit | 1938-39    | 1945-46   | 1951-52    | 1952-53   | 1953-54       |
|--------------------------------|------|------------|-----------|------------|-----------|---------------|
|                                |      | Quantity   |           |            |           |               |
| <b>Meats -</b>                 |      |            |           |            |           |               |
| Preserved in tins              | lb.  | 117,277    | 199,114   | 219,434    | 25,473    | (a) 4,327,377 |
| Potted or Concentrated         | "    | 162,009    | 296,716   | 91,228     | 8,928     | 21,442        |
| Sausage Casings (b)            | cwt. | 14,426     | 5,438     | 20,946     | 13,349    | (c) 11,915    |
| <b>Fish -</b>                  |      |            |           |            |           |               |
| Preserved in Tins ..           | lb.  | 27,920,498 | 5,880,566 | 22,216,882 | 5,560,056 | 14,982,207    |
| Potted or Concentrated         | "    | 1,056,698  | 12,511    | 197,809    | 65,348    | 152,191       |
| Smoked or Dried ..             | "    | 909,711    | 44,830    | 6,298,345  | 6,264,053 | 5,632,556     |
| Other including Salted         | cwt. | 92,015     | 27,147    | 162,883    | 93,275    | 151,547       |
| <b>Crustaceans and Shell</b>   |      |            |           |            |           |               |
| Fish in Tins ..                | lb.  | 982,003    | 74,520    | 417,805    | 266,289   | 494,291       |
| <b>Lard and Refined Animal</b> |      |            |           |            |           |               |
| Fats ..                        | lb.  | 106,821    | 168       | 59         | -         | 1,610         |

See next page for notes.

**TABLE 12 : IMPORTS OF SPECIFIED ITEMS OF MEAT AND FISH :**  
**AUSTRALIA (Contd.)**

| Particulars                               | 1938-39   | 1945-46 | 1951-52   | 1952-53 | 1953-54    |
|-------------------------------------------|-----------|---------|-----------|---------|------------|
| <b>Value (£A.f.o.b. port of shipment)</b> |           |         |           |         |            |
| <b>Meats -</b>                            |           |         |           |         |            |
| Preserved in Tins                         | 7,902     | 13,112  | 24,500    | 3,114   | (a)585,601 |
| Potted or Concentrated                    | 46,151    | 54,302  | 26,935    | 4,269   | 12,348     |
| Sausage Casings (b)                       | 239,465   | 122,638 | 950,235   | 628,752 | (c)558,493 |
| <b>Fish -</b>                             |           |         |           |         |            |
| Preserved in Tins                         | 1,002,005 | 392,247 | 3,197,903 | 883,391 | 1,675,412  |
| Potted or Concentrated                    | 111,270   | 6,194   | 37,341    | 15,725  | 40,695     |
| Smoked or Dried                           | 21,483    | 1,613   | 373,503   | 345,202 | 345,916    |
| Other includes Salted                     | 314,342   | 176,438 | 1,251,578 | 797,416 | 1,274,824  |
| <b>Crustaceans and Shell</b>              |           |         |           |         |            |
| Fish in Tins                              | 76,749    | 8,657   | 122,487   | 71,514  | 140,180    |
| <b>Lard and Refined Animal</b>            |           |         |           |         |            |
| Fats                                      | 2,790     | 9       | 2         | -       | 444        |

(a) Includes re-imports, quantity 4,289,114 lbs., value £574,723.

(b) Includes Synthetic Casings.

(c) Excludes Synthetic Casings.

**TABLE 13 : EXPORTS OF SPECIFIED ITEMS OF MEAT AND FISH :**  
**AUSTRALIA**

| Particulars            | Unit | 1938-39    | 1945-46       | 1951-52    | 1952-53    | 1953-54     |
|------------------------|------|------------|---------------|------------|------------|-------------|
| <b>Quantity</b>        |      |            |               |            |            |             |
| <b>Meats in Tins -</b> |      |            |               |            |            |             |
| Beef                   | lb.  | ( )        | 36,277,467    | 55,218,343 | 75,815,547 | 105,725,051 |
| Mutton                 | "    | ( )        | 11,220,849    | 2,312,544  | 7,085,811  | 16,216,503  |
| Bacon                  | "    | ( )        | 7,142,901     | 123,584    | 255,322    | 14,335      |
| Veal and Ham           | "    | 14,896,173 | 5,920         | 9,305,441  | 13,926,131 | 7,339,860   |
| Sheep's tongues        | "    | ( )        | 790,451       | 509,055    | 1,869,437  | 827,573     |
| Sausages               | "    | ( )        | 11,984,430    | 3,202,140  | 1,550,313  | 991,715     |
| Meat and Vegetables    | "    | ( )        | 18,618,502    | 36,196,233 | 81,706,990 | 5,108,311   |
| Other, incl. Soup      | "    | ( )        | 16,721,903    | 17,875,029 | 50,001,632 | 10,103,793  |
| <b>Meats Potted or</b> |      |            |               |            |            |             |
| Concentrated           | "    | (a)        | 1,364,586     | 1,124,440  | 1,857,337  | 1,509,208   |
| Sausage Casings (c)    | owt. | 23,099     | 11,337        | 15,726     | 29,061     | (d)28,808   |
| <b>Fish -</b>          |      |            |               |            |            |             |
| Smoked or Dried        | lb.  | 38,482     | 121,240       | 23,446     | 18,550     | 10,159      |
| In Tins                | "    | 594,883    | (b)11,132,555 | (b)897,852 | (b)789,166 | (b)646,387  |
| Potted or Concentrated | "    | (a)        | 47,629        | 34,153     | 29,704     | 7,524       |
| Shell fish in tins     | "    | (a)        | 37,369        | 151,321    | 22,461     | 60,619      |
| <b>Edible Fats -</b>   |      |            |               |            |            |             |
| Lard                   | "    | ( )        | 680,922       | 169,458    | 182,812    | 500,689     |
| Dripping               | "    | 5,490,959  | 782,575       | 831,272    | 3,535,937  | 3,519,357   |
| Tallow                 | "    | ( )        | 517,620       | 2,062,066  | 8,715,448  | 13,773,994  |
| Other                  | "    | ( )        | 2,161,055     | 2,514,013  | 1,137,756  | 1,824,747   |
| <b>Inedible Fats</b>   | owt. | (a)        | 141,832       | 126,618    | 430,227    | 823,816     |
| Bones                  | "    | 22,034     | 522           | 26,768     | 20,246     | 25,125      |
| Hoofs                  | "    | 13,807     | 811           | 10,095     | 11,484     | 10,417      |
| Horns                  | "    | (a)        | 7,002         | 7,232      | 10,182     | 8,510       |

See next page for notes.

**TABLE 13 : EXPORTS OF SPECIFIED ITEMS OF MEAT AND FISH :**  
**AUSTRALIA : (Continued)**

| Particulars                               | 1938-39 | 1945-46     | 1951-52     | 1952-53     | 1953-54       |
|-------------------------------------------|---------|-------------|-------------|-------------|---------------|
| <b>Value (£A.f.o.b. port of shipment)</b> |         |             |             |             |               |
| <b>Meat in Tins -</b>                     |         |             |             |             |               |
| Beef                                      |         | 2,085,345   | 6,360,691   | 11,682,474  | 14,944,676    |
| Mutton                                    |         | 679,761     | 260,028     | 980,122     | 2,126,458     |
| Bacon                                     |         | 661,118     | 33,573      | 54,237      | 3,588         |
| Veal and Ham                              | 501,391 | 675         | 2,802,250   | 4,307,178   | 2,253,013     |
| Sheep's Tongues                           |         | 73,758      | 123,603     | 545,900     | 207,233       |
| Sausages                                  |         | 710,862     | 456,438     | 247,402     | 151,922       |
| Meat and Vegetables                       |         | 731,600     | 3,724,785   | 9,614,169   | 543,598       |
| Other, incl. Soup                         |         | 947,614     | 2,363,277   | 5,654,971   | 2,160,159     |
| <b>Meats Potted and</b>                   |         |             |             |             |               |
| Concentrated                              | 18,125  | 209,350     | 312,884     | 925,045     | 858,078       |
| Sausage Casings (c)                       | 448,745 | 248,958     | 1,483,436   | 1,772,686   | (d) 1,419,875 |
| <b>Fish -</b>                             |         |             |             |             |               |
| Smoked or Dried                           | 1,306   | 3,888       | 4,017       | 3,354       | 1,316         |
| In Tins                                   | 24,472  | (b) 728,736 | (b) 136,466 | (b) 141,265 | (b) 137,432   |
| Potted or Concentrated                    | 825     | 7,848       | 14,050      | 9,056       | 2,101         |
| Shell Fish in Tins                        | (a)     | 3,936       | 34,337      | 8,107       | 22,238        |
| <b>Edible Fats -</b>                      |         |             |             |             |               |
| Lard                                      |         | 24,870      | 15,563      | 20,334      | 23,632        |
| Dripping                                  | 67,744  | 29,013      | 54,316      | 160,557     | 148,800       |
| Tallow                                    |         | 13,237      | 160,210     | 340,443     | 481,120       |
| Other                                     |         | 73,216      | 112,790     | 47,385      | 60,950        |
| Inedible Fats                             | (a)     | 303,489     | 729,322     | 1,417,700   | 2,161,245     |
| Bones                                     | 10,909  | 530         | 59,974      | 41,804      | 51,086        |
| Hoofs                                     | 8,027   | 577         | 24,363      | 19,950      | 14,910        |
| Horns                                     | 18,825  | 14,186      | 48,006      | 60,582      | 62,591        |

(a) Not available.

(b) During these years the exports of other than Australian produce included in these totals, amounted to: 1945-46, 9,706,765 lb., £612,273; 1951-52 310,997 lb., £41,866; 1952-53, 342,165 lb., £42,882; and 1953-54, 216,687 lb., £43,242.

(c) Includes Synthetic Casings.

(d) Excludes Synthetic Casings.

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**CANBERRA. A.C.T. 26TH SEPTEMBER, 1955**