

COMMONWEALTH BUREAU OF CENSUS AND STATISTICS, CANBERRA  
AUSTRALIA

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MANUFACTURING INDUSTRIES  
1954-55

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NO. 6. SOAP AND CANDLES

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Prepared Under Instructions from  
THE RIGHT HONORABLE THE TREASURER

by

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# MANUFACTURING INDUSTRIES 1954-55

## PREFACE

1. GENERAL: The Bulletins in the series for 1954-55 are listed on the back of the cover of this Bulletin and incorporate the same range of industries as the 1953-54 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, generally, to the operations of factories classified to the industry specified. Figures shown in the quantity tables herein represent total recorded production of the articles listed and include quantities produced, as subsidiary production in industries otherwise classified.

3. BASIS OF THE STATISTICS: The scope of the factory statistics is fully explained in the annual Secondary Industries Bulletin.

Briefly, a "factory" is defined as an establishment in which four or more persons are employed or where power (other than manual) is used in any manufacturing process. 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.

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, however, do include, proprietors who work in their own businesses as well as "out-workers".

The value of materials used includes the value, in the usual sense, of the materials used, stores used, containers, tools replaced and materials used in repairs to plant. In general, it does not include the value of customers' articles or materials repaired, assembled or treated by the factory.

The value of output is the selling value, at the factory, (exclusive of all delivery costs and charges and excise duties, but inclusive of bounty and subsidy payments to the manufacturer of the finished article) of all goods made during the year. 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, 1954-55SOAP AND CANDLES

1. SUMMARY OF STATISTICS: The following table furnishes a summary of the principal statistics of the factories engaged in the manufacture of Soap and Candles for the years 1938-39, 1945-46 and 1952-53 to 1954-55.

TABLE 1 : SOAP AND CANDLES : 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>Pro-<br>duction<br>(e)(6) | Value of<br>Output<br>(f)(7) |
|---------|------------------|-------------------------------|-----------------------------------------|-------------------------------------------------|-----------------------------------------------|---------------------------------------|------------------------------|
|         | Number           | Number                        | £'000                                   | £'000                                           | £'000                                         | £'000                                 | £'000                        |
| 1938-39 | 65               | 2,620                         | 501                                     | 76                                              | 1,568                                         | 1,885                                 | 3,529                        |
| 1945-46 | 73               | 3,020                         | 860                                     | 123                                             | 3,051                                         | 2,628                                 | 5,802                        |
| 1952-53 | 89               | 3,028                         | 2,460                                   | 475                                             | 8,846                                         | 6,324                                 | 15,645                       |
| 1953-54 | 89               | 3,058                         | 2,544                                   | 427                                             | 10,214                                        | 6,732                                 | 17,373                       |
| 1954-55 | 91               | 2,962                         | 2,589                                   | 420                                             | 11,941                                        | 7,425                                 | 19,786                       |

- (a) Average over whole year; includes Working Proprietors.  
 (b) Excludes amounts drawn by Working Proprietors.  
 (c) Includes Water and Lubricating Oil.  
 (d) Includes also 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 1954-55.

TABLE 2 : SOAP AND CANDLES : STATES, 1954-55

| Particulars                          | N.S.W. | VIC.  | Q'LD. | S.A.  | W.A.  | TAS.  | AUST.  |
|--------------------------------------|--------|-------|-------|-------|-------|-------|--------|
|                                      | No.    | No.   | No.   | No.   | No.   | No.   | No.    |
| Factories                            | 43     | 29    | 8     | 5     | 3     | 3     | 91     |
| Persons Employed -                   |        |       |       |       |       |       |        |
| Males                                | 1,290  | 583   | 199   | 107   | (a)   | (a)   | 2,238  |
| Females                              | 478    | 133   | 69    | 25    | (a)   | (a)   | 724    |
| Total:                               | 1,768  | 716   | 268   | 132   | (a)   | (a)   | 2,962  |
| Salaries and Wages Paid              | £'000  | £'000 | £'000 | £'000 | £'000 | £'000 | £'000  |
| Value of -                           | 1,631  | 614   | 186   | 108   | (a)   | (a)   | 2,589  |
| Power, Fuel and Light<br>etc., Used  | 182    | 201   | 18    | 12    | (a)   | (a)   | 420    |
| Materials, etc. Used                 | 6,635  | 4,135 | 589   | 310   | (a)   | (a)   | 11,941 |
| Production                           | 4,743  | 2,019 | 432   | 132   | (a)   | (a)   | 7,425  |
| Output                               | 11,560 | 6,355 | 1,039 | 454   | (a)   | (a)   | 19,786 |
| Land and Buildings (b)               | 543    | 829   | 112   | 76    | (a)   | (a)   | 1,619  |
| Plant and Machinery (b)              | 1,009  | 1,416 | 137   | 58    | (a)   | (a)   | 2,652  |
|                                      | H.P.   | H.P.  | H.P.  | H.P.  | H.P.  | H.P.  | H.P.   |
| H.P. of Engines ordinarily<br>in use | 4,521  | 2,507 | 866   | 537   | (a)   | (a)   | 8,676  |

- (a) Not available for publication; included with total for Australia.  
 (b) 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, 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 1952-53 to 1954-55.

TABLE 3 : SOAP AND CANDLE FACTORIES  
AVERAGE SALARIES AND WAGES PAID, OUTPUT, ETC. PER EMPLOYEE  
AUSTRALIA

| Year    | Salaries<br>and Wages<br>Per Employee<br>(a) | Value of<br>Output per<br>Person<br>Engaged (b) | Value of<br>Production<br>Per Person<br>Engaged (b) | Ratio of Salaries<br>and Wages to<br>Value of<br>Production |
|---------|----------------------------------------------|-------------------------------------------------|-----------------------------------------------------|-------------------------------------------------------------|
|         | £                                            | £                                               | £                                                   | %                                                           |
| 1938-39 | 193                                          | 1,347                                           | 720                                                 | 26.58                                                       |
| 1945-46 | 289                                          | 1,921                                           | 870                                                 | 32.74                                                       |
| 1952-53 | 815                                          | 5,167                                           | 2,088                                               | 38.90                                                       |
| 1953-54 | 846                                          | 5,681                                           | 2,201                                               | 37.80                                                       |
| 1954-55 | 890                                          | 6,680                                           | 2,507                                               | 34.86                                                       |

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

3. MATERIALS USED AND ARTICLES PRODUCED: The two tables which follow show particulars of the total quantity and value of the principal materials used and articles produced during the year 1954-55. In some cases, the figures include relevant production in factories otherwise classified.

TABLE 4 : MATERIALS USED IN SOAP AND CANDLE FACTORIES  
AUSTRALIA, 1954-55

| Particulars                   | Quantity  | Value     |
|-------------------------------|-----------|-----------|
|                               | cwt.      | £.        |
| Tallow .. ..                  | 1,151,146 | 4,723,772 |
| Alkali -                      |           |           |
| Soda Ash - For making Soap .. | 239,486   | 389,166   |
| For Soda Crystals ..          | 18,345    | 31,912    |
| For Other Purposes ..         | 6,168     | 10,818    |
| Other -                       |           |           |
| For making Soap ..            | 181,915   | 528,478   |
| For Other Purposes ..         | 10,989    | 30,764    |
| Waxes .. ..                   | 2,421     | 35,159    |
| Oil - Eucalyptus .. ..        | 2,673     | 55,425    |
| Coconut - Refined .. ..       | 24,738    | 209,993   |
| Unrefined .. ..               | 68,760    | 551,316   |
| Glycerine - Crude .. ..       | (a)       | (a)       |
| Refined .. ..                 | 8,338     | (b)       |
| Stearine (Stearic Acid) .. .. | 8,645     | 55,505    |
| Oleine (Oleic Acid) .. ..     | 17,058    | 131,123   |
| Salt (Common) .. ..           | 89,998    | 61,897    |

- (a) Not available for publication.  
(b) Quantity only available.

TABLE 5 : PRINCIPAL ARTICLES PRODUCED IN SOAP AND CANDLE FACTORIES

AUSTRALIA, 1954-55 AND 1955-56

| Particulars                                                                 | 1954-55          |             | 1955-56 (a)      |
|-----------------------------------------------------------------------------|------------------|-------------|------------------|
|                                                                             | Quantity<br>cwt. | Value<br>£. | Quantity<br>cwt. |
| <b>Soap and Detergents:</b>                                                 |                  |             |                  |
| <u>Soap with active constituents of Soap or mixtures of Soap and alkali</u> |                  |             |                  |
| <u>Personal Toilet</u> - Solid (incl. Abrasive)                             | 326,346          | 3,387,806   | 309,475          |
| Liquid (not Shampoo)                                                        | 3,402            | 18,891      | 3,001            |
| Shampoo - Powdered                                                          | 145              | 7,130       |                  |
| Liquid or Paste                                                             | 5,630            | 93,611      | 5,150            |
| Shaving-Solid (Sticks, etc.)                                                |                  |             |                  |
| Paste (Creams)                                                              | 7,218            | 336,427     | 7,689            |
| Total Personal Toilet:                                                      | 342,741          | 3,843,865   | 325,315          |
| <u>Household</u>                                                            |                  |             |                  |
| - Solid (Bar)                                                               | 534,939          | 2,850,699   | 525,722          |
| Sand Soap                                                                   | 24,312           | 70,498      | 28,864           |
| Flakes and Chips                                                            | 54,956           | 589,683     | 54,532           |
| Soft (Potash Types)                                                         | 9,219            | 33,106      | 7,294            |
| Liquid - Disinfectant Type                                                  | 33,261           | 350,674     | 93,938           |
| Non-disinfectant Type                                                       | 55,112           | 194,182     | 53,643           |
| Total Household:                                                            | 771,799          | 4,088,842   | 773,993          |
| <u>Industrial</u>                                                           |                  |             |                  |
| - Flakes and Chips                                                          | 24,996           | 127,286     | 26,166           |
| Soft (Potash Types)                                                         | 16,303           | 59,115      | 16,499           |
| Other - Solid (b)                                                           | 99,578           | 379,430     | 104,944          |
| Paste                                                                       | 4,991            | 9,704       | 5,519            |
| Powder                                                                      | 12,605           | 61,239      | 13,468           |
| Liquid (Disinfectant Type)                                                  | 9,666            | 34,322      | 10,402           |
| " (Non-disinfectant Type)                                                   | 17,464           | 66,618      | 19,704           |
| Total Industrial                                                            | 185,603          | 737,714     | 196,702          |
| Total Personal, Household and Industrial:                                   | 1,300,143        | 8,670,421   | 1,296,010        |
| <u>Extracts and Powders</u> - Household                                     | 926,156          | 5,595,052   | 514,259          |
| Industrial                                                                  | 68,733           | 223,428     | 74,511           |
| <u>Cleansers and/or Scourers</u> -                                          |                  |             |                  |
| Household - Solid                                                           |                  |             |                  |
| Paste                                                                       | 37,912           | 156,907     | 37,482           |
| Powder                                                                      | 31,420           | 173,407     | 25,727           |
| Industrial - Solid                                                          |                  |             |                  |
| Paste                                                                       | 8,602            | 33,073      | 7,867            |
| Powder                                                                      | 13,104           | 56,693      | 11,806           |
| Total Cleansers and/or Scourers:                                            | 91,038           | 420,080     | 82,882           |
| <u>All other, including all Synthetic Detergents,</u>                       |                  |             |                  |
| <u>Wetting Agents and Mixtures of Soap and Synthetic Detergents</u>         |                  |             |                  |
| Personal Toilet                                                             | 7,932            | 370,053     | 6,028            |
| Household - All Types                                                       | 99,225           | 366,441     | 91,260           |
| Industrial - Liquid (Disinfectant Type)                                     | 1,752            | 10,402      | 968              |
| Liquid (Non-disinfectant Type)                                              | 12,729           | 126,866     | 17,451           |
| Other (Incl. Solid, Paste and Powder)                                       | 40,880           | 147,213     | 37,633           |
| Extracts and Powders - Household                                            |                  |             |                  |
| Industrial                                                                  | 8,785            | 80,208      | 37,439           |
| Cleansers and/or Scourers - Household                                       | 23,884           | 105,766     | 36,544           |
| Industrial                                                                  | 19,939           | 146,092     | 28,562           |
| Total Detergents:                                                           | 215,126          | 1,353,021   | 218,252          |
| <u>Other Articles</u> -                                                     |                  |             |                  |
| Candles                                                                     | 10,369           | 123,398     | (c)              |
| Soda Crystals                                                               | 48,449           | 69,370      | (c)              |
| Glycerine - Crude                                                           | 118,319          | (d)         | 118,925          |
| Refined                                                                     | 95,951           | (d)         | 97,478           |
| Stearine (Stearic Acid)                                                     | 43,748           | 308,975     | (c)              |
| Oleins (Oleic Acid)                                                         | 49,147           | 369,138     | (c)              |

(a) Preliminary, subject to revision. (b) Includes Soap produced by Woolscouring establishments, for own use. (c) Not yet available. (d) Quantity only available.

In the following table, particulars of the quantities of the principal materials used and relevant articles produced are shown for the years 1938-39, 1945-46 and 1952-53 to 1954-55.

**TABLE 6 : PRINCIPAL MATERIALS USED AND ARTICLES PRODUCED IN SOAP AND CANDLE FACTORIES : AUSTRALIA**  
(Cwt.)

| Particulars               | 1938-39 | 1945-46   | 1952-53       | 1953-54       | 1954-55             |
|---------------------------|---------|-----------|---------------|---------------|---------------------|
| <b>MATERIALS USED:</b>    |         |           |               |               |                     |
| Tallow                    | 535,511 | 834,057   | 1,024,772     | 1,120,828     | 1,151,146           |
| Alkali -                  |         |           |               |               |                     |
| Soda Ash - for Soap       |         | 124,080   | 222,191       | 201,187       | 239,486             |
| for Soda                  |         |           |               |               |                     |
| Crystals                  |         | 18,980    | 21,580        | 19,464        | 18,345              |
| for Other                 |         |           |               |               |                     |
| Purposes                  | 230,481 | (a)       | (a)           | 10,395        | 6,168               |
| Other - for Soap          |         | 155,572   | 163,985       | 176,264       | 181,915             |
| for Soda Crystals         |         |           |               |               |                     |
| etc.                      |         | 4,732     | 6,581         | 11,764        | 10,989              |
| Waxes                     | 7,061   | 838       | 3,911         | 3,367         | 2,421               |
| Oil - Eucalyptus          | 210     | 415       | 1,471         | 1,535         | 2,673               |
| Coconut - Refined         | 22,307  | 20,250    | 20,699        | 25,645        | 24,738              |
| Unrefined                 | 116,647 | 66,326    | 75,126        | 60,931        | 68,760              |
| Glycerine - Crude         |         | 32,199    | 84,047        | 115,798       | (a)                 |
| Refined                   | 7,707   | 3,088     | (a)           | (a)           | 8,338               |
| Stearine (Stearic Acid)   | 5,796   | 5,855     | 3,742         | 7,717         | 8,645               |
| Oleine (Oleic Acid)       | 3,306   | 3,899     | 7,543         | 8,333         | 17,058              |
| Salt (Common)             | 32,567  | 45,087    | 89,902        | 81,360        | 89,998              |
| <b>ARTICLES PRODUCED:</b> |         |           |               |               |                     |
| Soap                      | 998,113 | 1,062,562 | (b) 1,208,853 | (b) 1,247,228 | (b)(c)(d) 1,300,143 |
| Soap Extracts and Powders | 191,232 | 469,865   | 885,158       | 890,241       | (c)(d) 994,889      |
| Candles                   | 28,649  | 23,844    | 14,256        | 8,611         | 10,369              |
| Soda Crystals             | 117,575 | 76,782    | 53,104        | 51,264        | 48,449              |
| Cleansing and Scouring    |         |           |               |               |                     |
| Powders and Pastes        | 34,386  | 62,392    | 94,447        | 99,187        | (c)(d) 91,038       |
| Glycerine, Crude          | 12,058  | 48,129    | 123,910       | 131,694       | 118,319             |
| Glycerine, refined        | 44,365  | 58,999    | 74,068        | 83,457        | (c) 95,951          |
| Stearine (Stearic Acid)   |         |           | 59,643        | 66,627        | 43,748              |
| Oleine (Oleic Acid)       | (a)     | (a)       | 49,550        | 52,642        | 49,147              |

(a) Not available for publication.

(b) Includes Soap produced for own use by Woolacouring establishments.

(c) Comparable figures for 1955-56 (subject to revision) are as follows:-

Soap 1,296,010 cwt.

Soap: Extracts and Powders 888,770 cwt.

Cleansing and Scouring Powders and Pastes 82,882 cwt.

Refined Glycerine 97,478 cwt.

(d) Excludes all non-soap based items details of which are shown in Table No. 5 and were not available separately prior to 1954-55.

(e) Not available.

4. **EMPLOYMENT:** The number of persons employed, shown in Tables 1, 2 and 8, 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 according to the average number employed during the actual period worked.

**TABLE 7 : SOAP AND CANDLE FACTORIES CLASSIFIED ACCORDING TO PERSONS EMPLOYED**

**AUSTRALIA**

| No. of Persons<br>Employed in<br>each Factory | 1938-39                  |                      | 1945-46                  |                      | 1952-53                  |                      | 1953-54                  |                      | 1954-55                  |                      |
|-----------------------------------------------|--------------------------|----------------------|--------------------------|----------------------|--------------------------|----------------------|--------------------------|----------------------|--------------------------|----------------------|
|                                               | No. of<br>Fac-<br>tories | No.<br>Em-<br>ployed | No. of<br>Fac-<br>tories | No.<br>Em-<br>ployed | No. of<br>Fac-<br>tories | No.<br>Em-<br>ployed | No. of<br>Fac-<br>tories | No.<br>Em-<br>ployed | No. of<br>Fac-<br>tories | No.<br>Em-<br>ployed |
| Under 4                                       | 17                       | 41                   | 20                       | 47                   | 36                       | 73                   | 37                       | 79                   | 37                       | 81                   |
| 4                                             | 8                        | 32                   | 10                       | 40                   | 12                       | 48                   | 11                       | 44                   | 13                       | 52                   |
| 5 to 10                                       | 15                       | 106                  | 12                       | 120                  | 15                       | 105                  | 18                       | 134                  | 17                       | 124                  |
| 11 to 20                                      | 7                        | 112                  | 6                        | 81                   | 13                       | 180                  | 9                        | 115                  | 8                        | 105                  |
| 21 to 50                                      | 7                        | 219                  | 9                        | 231                  | 4                        | 133                  | 4                        | 131                  | 8                        | 283                  |
| 51 to 100                                     | 5                        | 304                  | 2                        | 147                  | 3                        | 247                  | 5                        | 387                  | 4                        | 338                  |
| 101 to 200                                    | 6                        | 1,808                | 5                        | 658                  | 3                        | 345                  | 5                        | 2,186                | 4                        | 1,987                |
| 201 to 400                                    |                          |                      | -                        | -                    | -                        | -                    |                          |                      |                          |                      |
| 401 and over                                  |                          |                      | 3                        | 1,714                | 3                        | 1,916                |                          |                      |                          |                      |
| <b>TOTAL:</b>                                 | 65                       | 2,622                | 73                       | 3,038                | 89                       | 3,047                | 89                       | 3,076                | 91                       | 2,970                |
| Average Number<br>Employed per<br>Factory     | 40                       |                      | 42                       |                      | 34                       |                      | 35                       |                      | 33                       |                      |

Further details of employment are furnished in the two following tables. In Table 8, the numbers of males and females employed are shown for the years 1938-39, 1953-54 and 1954-55 according to the nature of their employment, but because of the change in classification of occupational status adopted in 1945-46, group comparison between 1938-39 and the later years shown is not possible.

**TABLE 8 : SOAP AND CANDLE FACTORIES  
PERSONS EMPLOYED CLASSIFIED ACCORDING TO OCCUPATIONAL STATUS**

**AUSTRALIA**

| Occupational Status                                                                | Males   |         |         | Females |         |         |
|------------------------------------------------------------------------------------|---------|---------|---------|---------|---------|---------|
|                                                                                    | 1938-39 | 1953-54 | 1954-55 | 1938-39 | 1953-54 | 1954-55 |
| Working Proprietors                                                                | 28      | 47      | 45      | -       | 5       | 7       |
| Managerial and Clerical Staff,<br>incl. Salaried Managers and<br>Working Directors | 1,652   | 326     | 272     | 853     | 234     | 223     |
| Chemists, Draftsmen and Other<br>Laboratory and Research Staff                     |         | 103     | 96      |         | 9       | 9       |
| Foremen and Overseers                                                              |         | 130     | 140     |         | 17      | 18      |
| Workers in Factory (Skilled and<br>Unskilled)                                      |         | 1,639   | 1,607   |         | 462     | 467     |
| Other (incl. Carters and<br>Messengers)                                            | 81      | 86      | 78      | 6       | -       | -       |
| <b>TOTAL:</b>                                                                      | 1,761   | 2,331   | 2,238   | 859     | 727     | 724     |

In the following table, the numbers of persons employed in June for the years 1939, 1946 and 1953 to 1955 are shown according to age and sex distribution.

**TABLE 9 : SOAP AND CANDLE 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)        | 62                   | (b)         | (b)         | (b)         | (b)         | (b)         | 404                        | 1,251                   | 1,717                |
| 1946(a)        | 24                   | 33          | 33          | 26          | 23          | 31          | 146                        | 1,952                   | 2,122                |
| 1953(c)        | 13                   | 17          | 16          | 18          | 22          | 30          | 103                        | 2,116                   | 2,232                |
| 1954(c)        | 7                    | 13          | 14          | 18          | 18          | 19          | 82                         | 2,199                   | 2,288                |
| 1955(c)        | 11                   | 16          | 18          | 21          | 26          | 24          | 105                        | 2,123                   | 2,239                |
| <b>FEMALES</b> |                      |             |             |             |             |             |                            |                         |                      |
| 1939(a)        | 57                   | (b)         | (b)         | (b)         | (b)         | (b)         | 390                        | 375                     | 822                  |
| 1946(a)        | 30                   | 38          | 49          | 47          | 57          | 48          | 239                        | 730                     | 999                  |
| 1953(c)        | 16                   | 15          | 20          | 23          | 25          | 20          | 103                        | 561                     | 680                  |
| 1954(c)        | 15                   | 19          | 21          | 19          | 23          | 20          | 102                        | 610                     | 727                  |
| 1955(c)        | 9                    | 16          | 18          | 16          | 14          | 19          | 83                         | 596                     | 688                  |

(a) Payday nearest 15th June.

(b) Details not collected.

(c) Last payday 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 given include the rated horsepower of engines ordinarily in use, together with those in reserve or idle.

**TABLE 10 : SOAP AND CANDLE FACTORIES : TYPES AND RATED HORSEPOWER OF ENGINES**

**AUSTRALIA**

| Class of Engine                | Rated Horsepower of Engines |              |              |                    |              |              |
|--------------------------------|-----------------------------|--------------|--------------|--------------------|--------------|--------------|
|                                | Ordinarily in Use           |              |              | In Reserve or Idle |              |              |
|                                | 1938-49                     | 1953-54      | 1954-55      | 1938-39            | 1953-54      | 1954-55      |
| Steam - Reciprocating          | 1,641                       | 306          | 272          | 198                | 905          | 525          |
| Turbine                        | 35                          | 15           | -            | 4                  | -            | -            |
| Internal Combustion -          |                             |              |              |                    |              |              |
| Gas                            | -                           | -            | -            | -                  | -            | -            |
| Petrol or Other Light Oils     | 16                          | 9            | 9            | 20                 | 358          | 339          |
| Heavy Oils                     | -                           | 100          | 150          | -                  | -            | -            |
| Water                          | -                           | -            | -            | -                  | -            | -            |
| <b>Total, Prime Movers:</b>    | <b>1,692</b>                | <b>430</b>   | <b>431</b>   | <b>222</b>         | <b>1,263</b> | <b>864</b>   |
| Motors driven by Electricity - |                             |              |              |                    |              |              |
| Purchased                      | 3,575                       | 8,365        | 8,245        | 89                 | 1,271        | 1,082        |
| Own Generation                 | (a) 1,165                   | (a) 184      | -            | 169                | 25           | -            |
| <b>Total Electricity:</b>      | <b>4,740</b>                | <b>8,549</b> | <b>8,245</b> | <b>258</b>         | <b>1,296</b> | <b>1,082</b> |
| <b>TOTAL POWER EMPLOYED:</b>   | <b>5,267</b>                | <b>8,795</b> | <b>8,676</b> | <b>480</b>         | <b>2,559</b> | <b>1,946</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, ETC., USED: Details of the quantities and values of the various items of power, fuel and light, etc., used are shown in the following table for the years 1938-39, 1953-54 and 1954-55.

TABLE 11 : SOAP AND CANDLE FACTORIES

POWER, FUEL AND LIGHT, ETC., USED

| Particulars                    | Unit of Qty. | Quantity |           |         | Value   |         |         |
|--------------------------------|--------------|----------|-----------|---------|---------|---------|---------|
|                                |              | 1938-39  | 1953-54   | 1954-55 | 1938-39 | 1953-54 | 1954-55 |
| Power, Fuel and Light -        |              |          |           |         |         |         |         |
| Coal - Black                   | ton          | 31,490   | 23,263    | 21,511  | 41,097  | 126,560 | 114,305 |
| Brown                          | "            | 2,913    | 14,504    | 29,679  | 3,585   | 37,714  | 72,350  |
| Brown Coal Briquettes          | "            | (a)      | 9,712     | 5,553   | (a)     | 51,592  | 28,353  |
| Coke                           | "            | 2,994    | 3,685     | 3,380   | 2,106   | 7,389   | 6,642   |
| Wood                           | "            | 2,983    | 2,834     | 2,323   | 2,404   | 7,034   | 6,000   |
| Fuel Oil                       | gal.         | 14,148   | 1,213,058 | 764,420 | 348     | 69,193  | 42,035  |
| Tar (Fuel)                     | "            | (b)      | -         | -       | -       | -       | -       |
| Electricity                    | -            | (c)      | (c)       | (c)     | 16,681  | 96,769  | 115,762 |
| Gas                            | -            | (c)      | (c)       | (c)     | 317     | 1,642   | 2,197   |
| Other (Charcoal, etc.)         | -            | (c)      | (c)       | (c)     | -       | 963     | 912     |
| Water and Lubricating Oil used | -            | (c)      | (c)       | (c)     | 9,745   | 28,745  | 31,403  |
| <b>TOTAL:</b>                  |              | (c)      | (c)       | (c)     | 76,283  | 427,601 | 419,959 |

(a) Included with Brown Coal.

(b) Not available.

(c) Value only available.

7. VALUE OF LAND, BUILDINGS, PLANT AND MACHINERY: Particulars of the book values of premises occupied and plant installed for factory purposes at the 30th June, for the years 1938-39, 1945-46 and 1952-53 to 1954-55 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 12 : SOAP AND CANDLE FACTORIES

VALUE OF LAND AND BUILDINGS, PLANT AND MACHINERY, ETC.

AUSTRALIA

(£)

| Year    | Book Values as at 30th June (a) |                     | Additions and 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 | 665,546                         | 576,732             | 27,116                                      | 71,462              | 15,063                           | 51,868              |
| 1945-46 | 676,405                         | 372,940             | 6,417                                       | 35,369              | 20,081                           | 42,260              |
| 1952-53 | 1,487,433                       | 1,985,231           | 235,348                                     | 581,068             | 46,787                           | 276,745             |
| 1953-54 | 1,565,269                       | 2,243,993           | 193,902                                     | 530,153             | 28,065                           | 260,272             |
| 1954-55 | 1,619,011                       | 2,652,554           | 108,996                                     | 664,445             | 45,385                           | 237,363             |

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

8. EXTERNAL TRADE: The following table furnishes particulars of the Imports and Exports of Soap for the years 1938-39, 1945-46 and 1952-53 to 1954-55.

TABLE 13 : IMPORTS AND EXPORTS OF SOAP

AUSTRALIA

| Year           | Shaving Soap<br>and Shaving<br>Cream | Toilet, Fancy<br>or<br>Medicated |         | Soap, Other |         | Soap Substitutes<br>and Compoundeds<br>Detergents |         |
|----------------|--------------------------------------|----------------------------------|---------|-------------|---------|---------------------------------------------------|---------|
|                | £A.                                  | cwt.                             | £A.     | cwt.        | £A.     | cwt.                                              | £A.     |
| <u>IMPORTS</u> |                                      |                                  |         |             |         |                                                   |         |
| 1938-39        | (a)                                  | 1,462                            | 17,621  | 3,513       | 8,593   | 6,365                                             | 30,312  |
| 1945-46        | 26                                   | 143                              | 4,482   | 1,347       | 7,419   | 1,158                                             | 5,648   |
| 1952-53        | 43                                   | 236                              | 5,817   | 192         | 1,660   | 14,631                                            | 76,170  |
| 1953-54        | 396                                  | 1,420                            | 44,149  | 552         | 3,671   | 53,519                                            | 337,080 |
| 1954-55        | 15,822                               | 1,563                            | 41,141  | 734         | 4,477   | 73,167                                            | 484,012 |
| <u>EXPORTS</u> |                                      |                                  |         |             |         |                                                   |         |
| 1938-39        | (a)                                  | 1,864                            | 8,877   | 42,691      | 65,847  | (b)                                               | (b)     |
| 1945-46        | 26,730                               | 30,933                           | 151,154 | 132,615     | 328,497 | 12,640                                            | 35,140  |
| 1952-53        | 1,297                                | 6,315                            | 62,741  | 45,179      | 204,980 | 2,170                                             | 16,526  |
| 1953-54        | 1,213                                | 9,889                            | 82,289  | 40,794      | 183,484 | 1,995                                             | 14,527  |
| 1954-55        | 1,598                                | 6,429                            | 68,930  | 30,381      | 161,390 | 3,103                                             | 25,680  |

(a) Not recorded separately.

(b) Included in Soap, Other.

NOTE:- Values are expressed in £A. f.o.b. port of shipment.

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