

COMMONWEALTH BUREAU OF CENSUS AND STATISTICS, CANBERRA

AUSTRALIA

MANUFACTURING INDUSTRIES

1962 - 63

---

NO. 25. WINERIES AND DISTILLERIES

---

Prepared Under Instructions from  
THE RIGHT HONORABLE THE TREASURER

by

K. M. Archer

COMMONWEALTH STATISTICIAN

## EXPLANATORY NOTES

GENERAL. The range of bulletins in this series for 1962-63 includes an additional bulletin - No. 35, "Printing and Stationery" which is issued for the first time this year. A complete list of the series is shown inside the back cover.

Where a number of industries are combined in one bulletin, the introductory paragraph on page 3 specifies the industries so included.

CLASSIFICATION OF FACTORIES. For purposes of industry classification, factories are classified according to the nature of their products. 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. 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. However, figures in the tables showing details of articles produced represent total recorded production of the articles listed, and include quantities produced, as subsidiary production, in industries otherwise classified.

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. The figures do not include details relating to small establishments not classified for statistical purposes as factories.

All persons employed in the manufacturing activities of the factory are counted as factory employees. The figures relating to employment, therefore, include working proprietors as well as "out-workers", but 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 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 power, fuel, etc. used includes the cost of light, lubricants and water used.

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, in addition to wages and salaries, such items as interest, depreciation, profits, taxation, advertising and other sundry charges are met. As details of these other costs of production are not collected, the amounts of profit resulting from factory operations cannot be ascertained from the figures contained herein.

MANUFACTURING INDUSTRIES, AUSTRALIA : 1962-63WINERIES AND DISTILLERIES

1. SUMMARY OF STATISTICS: the following table furnishes a summary of the principal statistics of the factories engaged in the making of Wine and the distillation of Spirits in Australia for the years 1958-59 to 1962-63.

TABLE 1. - WINERIES AND DISTILLERIES, AUSTRALIA

| Year    | Factories | Persons Employed | Salaries and Wages Paid | Power, Fuel and Light etc. Used | Value of Materials etc. Used | Value of Production | Value of Output |
|---------|-----------|------------------|-------------------------|---------------------------------|------------------------------|---------------------|-----------------|
|         | (1)       | (a) (2)          | (b) (3)                 | (c) (4)                         | (d) (5)                      | (e) (6)             | (f) (7)         |
|         | Number    | Number           | £'000                   | £'000                           | £'000                        | £'000               | £'000           |
| 1958-59 | 158       | 2,021            | 1,826                   | 395                             | 7,900                        | 3,890               | 12,185          |
| 1959-60 | 165       | 2,058            | 1,890                   | 402                             | 7,987                        | 4,900               | 13,289          |
| 1960-61 | 164       | 2,095            | 2,017                   | 383                             | 9,328                        | 4,427               | 14,138          |
| 1961-62 | 153       | 2,111            | 2,068                   | 405                             | 9,767                        | 4,864               | 15,036          |
| 1962-63 | 161       | 2,084            | 2,050                   | 386                             | 9,135                        | 4,734               | 14,255          |

- (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., tools replaced 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 are given for each State during the year 1962-63.

TABLE 2. - WINERIES AND DISTILLERIES : STATES, 1962-63

| Particulars                          | N.S.W. | Vic.  | Q'ld. | S.A.   | W.A.  | Tas.  | Australia |
|--------------------------------------|--------|-------|-------|--------|-------|-------|-----------|
|                                      | No.    | No.   | No.   | No.    | No.   | No.   | No.       |
| Factories ..                         |        |       |       |        |       |       |           |
| Persons Employed -                   | 28     | 29    | 5     | 68     | 31    | -     | 161       |
| Males ..                             | 214    | 230   | 141   | 1,126  | 66    | -     | 1,777     |
| Females ..                           | 24     | 55    | 7     | 211    | 10    | -     | 307       |
| Total ..                             | 238    | 285   | 148   | 1,337  | 70    | -     | 2,084     |
|                                      | £'000  | £'000 | £'000 | £'000  | £'000 | £'000 | £'000     |
| Salaries and Wages Paid              |        |       |       |        |       |       |           |
| Value of -                           | 289    | 256   | 169   | 1,298  | 38    | -     | 2,050     |
| Power, Fuel and Light etc. used ..   | 122    | 44    | 85    | 132    | 3     | -     | 386       |
| Materials, etc. used                 | 2,794  | 731   | 463   | 4,965  | 182   | -     | 9,135     |
| Production ..                        | 907    | 763   | 448   | 2,483  | 133   | -     | 4,734     |
| Output ..                            | 3,823  | 1,538 | 996   | 7,580  | 318   | -     | 14,255    |
| Land and Building (a)                | 585    | 573   | 190   | 1,859  | 87    | -     | 3,294     |
| Plant and Machinery(a)               | 830    | 615   | 367   | 1,834  | 69    | -     | 3,715     |
|                                      | H.P.   | H.P.  | H.P.  | H.P.   | H.P.  | H.P.  | H.P.      |
| H.P. of Engines ordinarily in use .. | 2,434  | 2,846 | 776   | 11,099 | 446   | -     | 17,601    |

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

See also notes to Table 1.

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 1958-59 to 1962-63.

TABLE 3. - AVERAGE SALARIES AND WAGES PAID, OUTPUT, ETC. PER EMPLOYEE :

WINERIES AND DISTILLERIES : 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 |
|---------|-------------------------------------|----------------------------------------|--------------------------------------------|----------------------------------------------------|
|         | £.                                  | £.                                     | £.                                         | %                                                  |
| 1958-59 | 934                                 | 6,029                                  | 1,925                                      | 46.94                                              |
| 1959-60 | 950                                 | 6,457                                  | 2,381                                      | 38.57                                              |
| 1960-61 | 1,001                               | 6,749                                  | 2,113                                      | 45.56                                              |
| 1961-62 | 1,013                               | 7,123                                  | 2,304                                      | 42.52                                              |
| 1962-63 | 1,024                               | 6,840                                  | 2,272                                      | 43.30                                              |

(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 quantities and values of materials used and articles produced in Winemaking and Distilling for the year 1962-63. Values of articles produced exclude Excise Duty where applicable. In Table 5 comparative details for each of these industries are given for a series of years.

TABLE 4. - WINERIES AND DISTILLERIES : AUSTRALIA, 1962-63

| Particulars                                                                | Unit of Quantity | Quantity   | Value (£) |
|----------------------------------------------------------------------------|------------------|------------|-----------|
| WINE MAKING - MATERIALS USED                                               |                  |            |           |
| Fresh Grapes - From own vineyard ..                                        | ton              | 23,092     | 612,287   |
| Purchased ..                                                               | "                | 144,098    | 3,419,940 |
| Dried Grapes ..                                                            | "                | -          | -         |
| Fortifying Spirits - Own Distillation ..                                   | proof gallon     | 1,630,979  | (a)       |
| Purchased ..                                                               | " "              | 603,462    | 386,377   |
| On Commission ..                                                           | " "              | 278,996    | (a)       |
| Concentrated Grape Must ..                                                 | gallon           | 63,527     | (a)       |
| WINE MAKING - ARTICLES PRODUCED                                            |                  |            |           |
| Beverage Wine - Unfortified ..                                             | gallon           | 6,090,782  | 2,122,035 |
| Fortified (b) ..                                                           | "                | 8,760,664  | 4,261,558 |
| Total Beverage Wine Made                                                   |                  | 14,851,446 | 6,383,593 |
| Distillation Wine - Used to manufacture Spirits for Wine fortifying (c) .. | "                | 8,753,565  | (a)       |
| Used to manufacture Brandy and other spirits ..                            | "                | 4,791,466  | (a)       |
| Estimated quantity obtained from Marks supplied to other firms ..          | "                | 1,372,930  | (a)       |
| Made for sale or addition to Stocks ..                                     | "                | 848,460    | 141,312   |
| Total Distillation Wine Made                                               |                  | 16,564,020 | (a)       |
| Concentrated Grape Must ..                                                 | "                | 21,960     | (a)       |
| Argol ..                                                                   | lb.              | 423,854    | 24,208    |

(a) Quantity only collected.

(b) Includes 2,513,437 proof gallons of Fortifying Spirits added - see Materials Used above.

(c) Used to make portion of the fortifying spirits included in Fortified Beverage Wine produced.

TABLE 4. - WINERIES AND DISTILLERIES : AUSTRALIA, 1962-63 (Cont'd.)

| Particulars                                    | Unit of Quantity | Quantity   | Value (£) |
|------------------------------------------------|------------------|------------|-----------|
| DISTILLING - MATERIALS USED                    |                  |            |           |
| Distillation Wine used for -                   |                  |            |           |
| Manufacturing of Spirits for Wine Fortifying - |                  |            |           |
| Own Manufacture ..                             | gallon           | 8,753,565  | (a)       |
| Purchased ..                                   | "                | 543,534    | 73,512    |
| Commission distilling ..                       | "                | 2,430,611  | (a)       |
| Manufacture of Brandy and Other Spirits -      |                  |            |           |
| Own Manufacture ..                             | "                | 4,791,466  | (a)       |
| Purchased ..                                   | "                | 586,832    | 92,707    |
| Spirits for Liqueurs ..                        | proof gallon     | 76,990     | 46,964    |
| Malt ..                                        | bushel           | 85,618     | 95,260    |
| Barley ..                                      | "                | 90,280     | 71,216    |
| Wheat ..                                       | "                |            |           |
| Molasses ..                                    | cwt.             | 3,235,247  | 905,045   |
| DISTILLING - ARTICLES PRODUCED                 |                  |            |           |
| Spirits for Wine Fortifying -                  |                  |            |           |
| For own use (b) ..                             | proof gallon     | 1,630,979  | (a)       |
| For sale ..                                    | " "              | 557,066    | 410,580   |
| Distilled on Commission ..                     | " "              | 486,107    | (a)       |
| Brandy ..                                      | " "              | 1,128,997  | 1,086,252 |
| Rum ..                                         | " "              | 604,382    | 213,693   |
| Whisky ..                                      | " "              | 102,109    | 99,006    |
| Gin ..                                         | " "              | 205,289    | 174,588   |
| Methylated Spirits ..                          | " "              | 18,695,950 | 2,486,279 |
| Other Spirits ..                               | " "              | 10,432,005 | 1,098,628 |
| Liqueurs ..                                    | gallon           | 198,867    | 473,585   |

(a) Quantity only collected.

(b) Used in production of Fortified Beverage Wine (see previous page).

(c) Includes production in other works not classified as Wineries or Distilleries.

In the following table particulars of the materials used and articles produced are shown for each of these industries for the years indicated.

TABLE 5. - WINERIES AND DISTILLERIES : MATERIALS USED AND ARTICLES PRODUCED : AUSTRALIA

| Particulars                  | Unit of Quantity | 1959-60   | 1960-61   | 1961-62   | 1962-63   |
|------------------------------|------------------|-----------|-----------|-----------|-----------|
| WINE MAKING - MATERIALS USED |                  |           |           |           |           |
| Fresh Grapes -               |                  |           |           |           |           |
| From own vineyards           | ton              | 16,152    | 20,014    | 24,963    | 23,092    |
| Purchased                    | "                | 133,321   | 164,900   | 205,770   | 144,098   |
| Dried Grapes (a)             | "                | 2,191     | 921       | 1,107     | -         |
| Fortifying Spirits           | proof gallon     | 2,217,862 | 2,285,725 | 2,705,196 | 2,513,437 |
| Concentrated Grape Must      | gallon           | 60,920    | 49,925    | 84,466    | 63,527    |

(a) Since 1956-57 the use of dried grapes for winemaking has been prohibited, by Excise Regulations, in all States except Western Australia.

TABLE 5. - WINERIES AND DISTILLERIES : MATERIALS USED AND ARTICLES

PRODUCED : AUSTRALIA (Cont'd.)

| Particulars                                                    | Unit of Quantity | 1959-60    | 1960-61    | 1961-62    | 1962-63    |
|----------------------------------------------------------------|------------------|------------|------------|------------|------------|
| WINE MAKING - ARTICLES PRODUCED                                |                  |            |            |            |            |
| Beverage Wine -                                                |                  |            |            |            |            |
| Unfortified                                                    | gallon           | 4,826,568  | 5,757,751  | 6,903,169  | 6,090,782  |
| Fortified (b)                                                  | "                | 9,341,606  | 9,864,500  | 11,076,598 | 8,760,664  |
| Total Beverage Wine                                            |                  | 14,168,174 | 15,622,341 | 17,979,767 | 14,851,446 |
| Distillation Wine -                                            |                  |            |            |            |            |
| Used to manufacture spirits for wine fortifying (c)            | "                | 9,127,583  | 11,721,624 | 15,291,316 | 9,551,164  |
| Used to manufacture brandy and other spirits                   | "                | 4,153,820  | 5,386,226  | 5,595,171  | 4,791,466  |
| Estimated quantity obtained from Marcs supplied to other firms | "                | 1,306,527  | 1,408,825  | 1,850,675  | 1,372,930  |
| Made for sale or addition to stock                             | "                | 896,335    | 885,226    | 1,518,065  | 848,460    |
| Total Distillation Wine                                        |                  | 15,484,265 | 19,401,901 | 24,255,227 | 16,564,020 |
| Concentrated Grape Must                                        | "                | 61,741     | 44,760     | 57,600     | 21,960     |
| Argol                                                          | "                | 475,938    | 533,936    | 672,438    | 423,854    |

## DISTILLING - MATERIALS USED

|                                             |              |            |               |            |            |
|---------------------------------------------|--------------|------------|---------------|------------|------------|
| Distillation Wine used for manufacture of - |              |            |               |            |            |
| Spirits for Wine fortifying (d)             | gallon       | 12,315,938 | 14,921,626    | 19,497,672 | 11,727,710 |
| Brandy and other spirits                    | "            | 5,021,260  | (e) 5,386,226 | 6,078,136  | 5,378,298  |
| Spirits for liqueurs                        | proof gallon | 74,622     | 69,961        | 69,543     | 76,990     |
| Malt                                        | bushel       | 226,473    | 164,377       | 123,249    | 85,613     |
| Barley                                      | "            | 175,064    | 272,549       | 124,054    | 90,280     |
| Wheat                                       | "            | 3,393,784  | 3,160,410     | 2,969,992  | 3,235,247  |
| Molasses                                    | cwt.         |            |               |            |            |

## DISTILLING - ARTICLES PRODUCED

|                                 |              |            |            |            |            |
|---------------------------------|--------------|------------|------------|------------|------------|
| Spirits for Wine fortifying (d) | proof gallon | 2,586,152  | 2,884,306  | 3,334,992  | 2,674,152  |
| Brandy                          | " "          | 1,036,754  | 1,166,978  | 1,177,943  | 1,128,997  |
| Rum                             | " "          | 565,627    | 787,726    | 660,013    | 604,382    |
| Whisky                          | " "          | 641,360    | 347,653    | 150,806    | 102,109    |
| Gin                             | " "          | 386,053    | 454,177    | 363,664    | 205,289    |
| Methylated Spirits              | " "          | 22,736,245 | 21,015,820 | 17,509,830 | 18,695,950 |
| Other Spirits (f) -             |              |            |            |            |            |
| Non-potable and Potable         | " "          | 9,349,247  | 8,841,982  | 7,636,965  | 10,432,005 |
| Liqueurs                        | gallon       | 124,456    | 130,947    | 154,631    | 198,867    |

(b) Including fortifying spirit added.

(c) Used to make portion of the Fortifying Spirits included in Fortified Beverage Wine Produced.

(d) Includes work done on commission.

(e) Excludes purchased brandy and other spirits, details of which are not available for publication.

(f) Includes production in other works not classified as Wineries or Distilleries.

4. CONSUMPTION OF WINE: The following table gives details of the production and utilization of wine in Australia during the years 1958-59 to 1962-63.

TABLE 6. - WINE PRODUCTION AND UTILIZATION : AUSTRALIA

('000 Gallons)

| Particulars                     | 1958-59 | 1959-60   | 1960-61 | 1961-62   | 1962-63   |
|---------------------------------|---------|-----------|---------|-----------|-----------|
| Net Change in Stocks (a)        | (+) 567 | (-) 1,378 | (-) 823 | (+) 3,349 | (-) 1,220 |
| Production of Beverage Wine (b) | 15,068  | 14,163    | 15,617  | 17,974    | 14,852    |
| Imports                         | 52      | 60        | 98      | 82        | 91        |
| Total Supplies                  | 14,553  | 15,601    | 16,543  | 14,707    | 16,163    |
| Exports (incl. Ships' Stores)   | 1,783   | 1,798     | 1,897   | 1,663     | 1,614     |
| Miscellaneous uses (c)          | 1,377   | 2,056     | 2,988   | 1,092     | 1,995     |
| Apparent Consumption            | 11,393  | 11,747    | 11,658  | 11,952    | 12,554    |

(a) Movements in wholesalers' stocks.

(b) Includes fortifying spirit added.

(c) Balance figure; includes waste and allowance for change in unrecorded stocks.

5. CONSUMPTION OF WINE, SPIRITS AND BEER: In the following table details are given of the apparent consumption of wine, spirits and beer per head for the years indicated.

TABLE 7. - APPARENT CONSUMPTION OF WINE, SPIRITS AND BEER

PER HEAD OF POPULATION : AUSTRALIA

| Item       | Unit of Quantity | 1958-59 | 1959-60 | 1960-61 | 1961-62 | 1962-63 |
|------------|------------------|---------|---------|---------|---------|---------|
| Wine ..    | gallon           | 1.1     | 1.2     | 1.1     | 1.1     | 1.2     |
| Spirits .. | proof gallon     | 0.3     | 0.3     | 0.3     | 0.3     | 0.3     |
| Beer ..    | gallon           | 22.2    | 22.6    | 22.6    | 22.5    | 22.7    |

6. EMPLOYMENT: The number of employees shown in Tables 1, 2 and 9 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 1958-59 to 1962-63 according to the average number employed during the actual period worked.

TABLE 8. - WINERIES AND DISTILLERIES CLASSIFIED ACCORDING TO PERSONS EMPLOYED :

AUSTRALIA

| Number of Persons Employed in each Factory | 1958-59           |               | 1959-60           |               | 1960-61           |               | 1961-62           |               | 1962-63           |               |
|--------------------------------------------|-------------------|---------------|-------------------|---------------|-------------------|---------------|-------------------|---------------|-------------------|---------------|
|                                            | No. of Fac-tories | No. Em-ployed | No. of Fac-tories | No. Em-ployed | No. of Fac-tories | No. Em-ployed | No. of Fac-tories | No. Em-ployed | No. of Fac-tories | No. Em-ployed |
| Under 4                                    | 60                | 113           | 61                | 116           | 61                | 127           | 58                | 116           | 68                | 130           |
| 4                                          | 11                | 44            | 14                | 56            | 15                | 60            | 12                | 48            | 9                 | 36            |
| 5 to 10                                    | 37                | 247           | 38                | 235           | 34                | 221           | 35                | 243           | 37                | 256           |
| 11 to 20                                   | 22                | 332           | 24                | 368           | 26                | 388           | 20                | 287           | 18                | 268           |
| 21 to 50                                   | 18                | 580           | 20                | 687           | 18                | 591           | 16                | 523           | 16                | 501           |
| 51 to 100                                  | 9                 | 614           | 7                 | 525           | 8                 | 547           | 9                 | 595           | 10                | 589           |
| Over 100                                   | 1                 | 114           | 1                 | 112           | 2                 | 210           | 3                 | 318           | 3                 | 320           |
| Total                                      | 158               | 2,044         | 165               | 2,099         | 164               | 2,144         | 153               | 2,130         | 161               | 2,100         |
| Average Number employed per Factory        | 13                |               | 13                |               | 13                |               | 14                |               | 13                |               |

Further details of employment are furnished in the next two tables.

In Table 9 the numbers of males and females employed are shown for the years 1960-61 to 1962-63 according to the nature of their employment.

**TABLE 9. - WINERIES AND DISTILLERIES : PERSONS EMPLOYED CLASSIFIED ACCORDING TO OCCUPATIONAL STATUS : AUSTRALIA**

| Occupational Status                                                             | Males      |            |            | Females  |          |          |
|---------------------------------------------------------------------------------|------------|------------|------------|----------|----------|----------|
|                                                                                 | 1960-61    | 1961-62    | 1962-63    | 1960-61  | 1961-62  | 1962-63  |
| Working Proprietors                                                             | 69         | 61         | 74         | 10       | 9        | 9        |
| Managerial and Clerical Staff including Salaried Managers and Working Directors | 212        | 214        | 213        | 126      | 121      | 123      |
| Chemists, Draftsmen and Other Laboratory and Research Staff                     | 76         | 92         | 90         | 7        | 8        | 9        |
| Foremen and Overseers                                                           | } 1,442(a) | } 1,449(a) | } 1,400(a) | } 153(a) | } 157(a) | } 166(a) |
| Workers in Factory (Skilled and Unskilled)                                      |            |            |            |          |          |          |
| Other (Carters, Messengers, etc.)                                               |            |            |            |          |          |          |
| Total                                                                           | 1,799      | 1,816      | 1,777      | 296      | 295      | 307      |

(a) Separate details no longer collected.

In the following table the number of persons employed in June for the years 1959 to 1963 are shown according to age and sex distribution.

**TABLE 10. - WINERIES AND DISTILLERIES : DISTRIBUTION OF EMPLOYEES ACCORDING TO AGE AND SEX : AUSTRALIA**

(Excluding Working Proprietors)

| Last pay day in June | Under 16 years | Total 16 to 20 years | 21 years and over | Total all ages |
|----------------------|----------------|----------------------|-------------------|----------------|
| MALES                |                |                      |                   |                |
| 1959                 | 7              | 80                   | 1,584             | 1,671          |
| 1960                 | 9              | 82                   | 1,567             | 1,658          |
| 1961                 | 9              | 96                   | 1,606             | 1,711          |
| 1962                 | 11             | 99                   | 1,605             | 1,715          |
| 1963                 | 7              | 131                  | 1,504             | 1,642          |
| FEMALES              |                |                      |                   |                |
| 1959                 | 5              | 54                   | 184               | 243            |
| 1960                 | 3              | 55                   | 207               | 265            |
| 1961                 | 3              | 59                   | 211               | 273            |
| 1962                 | 2              | 72                   | 211               | 285            |
| 1963                 | 5              | 61                   | 237               | 303            |

(a) Separate details no longer collected.

7. **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 1960-61 to 1962-63.

**TABLE 11. - WINERIES AND DISTILLERIES : POWER, FUEL AND LIGHT, ETC. USED :**

**AUSTRALIA**

| Particulars                    | Unit of Quantity | Quantity |           |           | Value (£) |         |         |
|--------------------------------|------------------|----------|-----------|-----------|-----------|---------|---------|
|                                |                  | 1960-61  | 1961-62   | 1962-63   | 1960-61   | 1961-62 | 1962-63 |
| Power, Fuel and Light -        |                  |          |           |           |           |         |         |
| Black Coal                     | ton              | 3,554    | 10,548    | 12,421    | 54,881    | 59,653  | 72,991  |
| Brown Coal                     |                  |          |           |           |           |         |         |
| Briquettes                     | "                | 11       | 22        | 22        | 60        | 160     | 150     |
| Coke                           | "                | 6        | ..        | ..        | 49        | ..      | ..      |
| Wood                           | "                | 18,586   | 18,701    | 14,341    | 42,522    | 43,098  | 33,505  |
| Fuel Oil                       | gallon           | 997,273  | 1,102,752 | 1,038,319 | 70,052    | 79,555  | 65,703  |
| Tar (Fuel)                     | ton              | 1,940    | 1,783     | 996       | 22,152    | 20,562  | 10,716  |
| Electricity                    | ..               | (a)      | (a)       | (a)       | 72,652    | 86,171  | 82,529  |
| Gas                            | ..               | (a)      | (a)       | (a)       | 730       | 671     | 818     |
| Other (Charcoal, etc.)         | ..               | (a)      | (a)       | (a)       | 87,692    | 79,536  | 82,139  |
| Water and Lubricating Oil used | ..               | (a)      | (a)       | (a)       | 32,004    | 35,593  | 37,376  |
| Total                          |                  | (a)      | (a)       | (a)       | 382,794   | 404,999 | 385,927 |

(a) Value only available.

8. **POWER EQUIPMENT:** Statistics of the power equipment installed are given in the next table. The details include the rated horsepower of engines ordinarily in use together with those in reserve or idle.

**TABLE 12. - WINERIES AND DISTILLERIES : TYPES AND RATED HORSEPOWER OF ENGINES :**

**AUSTRALIA**

| Class of Engine                | Rated Horsepower of Engines |         |         |                    |         |         |
|--------------------------------|-----------------------------|---------|---------|--------------------|---------|---------|
|                                | Ordinarily in Use           |         |         | In Reserve or Idle |         |         |
|                                | 1960-61                     | 1961-62 | 1962-63 | 1960-61            | 1961-62 | 1962-63 |
| Steam - Reciprocating ..       | 965                         | 925     | 873     | 538                | 538     | 534     |
| Internal Combustion -          |                             |         |         |                    |         |         |
| Petrol or other Light Oils     | 295                         | 194     | 458     | 539                | 533     | 1,021   |
| Heavy Oils ..                  | 143                         | 158     | 26      | 81                 | 150     | 6       |
| Water ..                       | 10                          | 10      | 10      | ..                 | ..      | ..      |
| Total, Prime Movers            | 1,413                       | 1,287   | 1,367   | 1,158              | 1,221   | 1,561   |
| Motors driven by electricity - |                             |         |         |                    |         |         |
| Purchased ..                   | 15,037                      | 15,389  | 16,234  | 696                | 992     | 992     |
| Own Generation ..              | (a)443                      | (a)443  | (a)443  | 255                | 255     | 255     |
| Total, Electricity             | 15,480                      | 15,832  | 16,677  | 951                | 1,247   | 1,247   |
| TOTAL POWER EMPLOYED           | 16,450                      | 16,676  | 17,601  | 2,109              | 2,468   | 2,808   |

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

9. VALUE OF LAND AND BUILDINGS, PLANT AND MACHINERY: Particulars of the book values of premises occupied and plant installed at the 30th June for the years 1959 to 1963 are shown in the next table. Details of the values of additions and replacements made and depreciation allowed during the respective years 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 13. - WINERIES AND DISTILLERIES : VALUE OF LAND AND BUILDINGS,  
PLANT AND MACHINERY, ETC. : AUSTRALIA

(£)

| Year    | Book Value as at<br>30th June (a) |                        | Additions and Replacements<br>made during year |                        | Depreciation allowed<br>during year |                        |
|---------|-----------------------------------|------------------------|------------------------------------------------|------------------------|-------------------------------------|------------------------|
|         | Land and<br>Buildings             | Plant and<br>Machinery | Land and<br>Buildings                          | Plant and<br>Machinery | Land and<br>Buildings               | Plant and<br>Machinery |
| 1958-59 | 2,588,908                         | 2,573,641              | 114,711                                        | 479,130                | 26,043                              | 243,950                |
| 1959-60 | 2,758,759                         | 2,807,673              | 163,168                                        | 465,609                | 27,182                              | 241,542                |
| 1960-61 | 3,081,380                         | 3,014,785              | 124,831                                        | 430,467                | 27,668                              | 288,230                |
| 1961-62 | 3,040,721                         | 3,329,889              | 119,108                                        | 661,376                | 28,435                              | 278,783                |
| 1962-63 | 3,294,094                         | 3,714,699              | 191,293                                        | 577,448                | 42,612                              | 305,922                |

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

10. EXTERNAL TRADE: The quantities and values of imports and exports of Wine and Spirituous Liquors are shown in the following table for the years 1959-60 to 1962-63.

TABLE 14. - IMPORTS AND EXPORTS OF WINE AND SPIRITUOUS LIQUORS : AUSTRALIA

| Particulars                  | 1959-60          |               | 1960-61          |               | 1961-62          |               | 1962-63          |               |
|------------------------------|------------------|---------------|------------------|---------------|------------------|---------------|------------------|---------------|
|                              | Proof<br>Gallons | Value<br>(£A) | Proof<br>Gallons | Value<br>(£A) | Proof<br>Gallons | Value<br>(£A) | Proof<br>Gallons | Value<br>(£A) |
| IMPORTS                      |                  |               |                  |               |                  |               |                  |               |
| Wine (a)                     | 60,029           | 130,265       | 98,004           | 205,286       | 82,153           | 176,013       | 90,598           | 189,968       |
| Whisky                       | 1,136,792        | 3,153,338     | 1,157,204        | 3,114,498     | 1,311,905        | 3,784,455     | 1,049,153        | 3,030,410     |
| Brandy                       | 28,237           | 99,408        | 42,837           | 138,664       | 45,800           | 134,038       | 49,523           | 144,703       |
| Rum                          | 18,116           | 19,429        | 27,609           | 28,563        | 21,865           | 24,426        | 24,469           | 29,126        |
| Gin                          | 91,079           | 107,351       | 120,596          | 155,161       | 111,528          | 151,087       | 96,708           | 131,429       |
| Liqueurs                     | 37,905           | 195,175       | 36,872           | 193,627       | 36,781           | 212,300       | 40,786           | 223,605       |
| Bitters and<br>other Spirits | 4,821            | 10,037        | 4,190            | 11,880        | 3,227            | 12,546        | 2,573            | 9,335         |
| EXPORTS                      |                  |               |                  |               |                  |               |                  |               |
| Wine (a)                     | 1,745,347        | 1,265,653     | 1,897,337        | 1,304,671     | 1,670,306        | 1,392,760     | 1,614,301        | 1,375,650     |
| Whisky                       | 8,748            | 18,269        | 2,750            | 8,583         | 3,209            | 10,755        | 4,578            | 12,753        |
| Brandy                       | 100,625          | 158,246       | 83,850           | 142,275       | 111,148          | 198,678       | 113,244          | 195,369       |
| Rum                          | 51,360           | 65,380        | 69,300           | 76,911        | 64,835           | 79,583        | 60,592           | 87,133        |
| Gin                          | 21,813           | 19,678        | 26,657           | 20,276        | 16,662           | 16,344        | 10,562           | 17,504        |
| Liqueurs                     | 4,559            | 17,991        | 6,778            | 25,852        | 3,425            | 9,242         | 25,122           | 18,115        |
| Bitters and<br>other Spirits | 21,962           | 5,079         | 47,059           | 8,162         | 9,098            | 1,814         | 9,236            | 2,107         |

(a) Quantity in liquid gallons.

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

COMMONWEALTH BUREAU OF CENSUS AND STATISTICS  
CANBERRA, A.C.T. 23RD OCTOBER, 1964

K.M. ARCHER  
COMMONWEALTH STATISTICIAN

NOTE: - Inquiries concerning these statistics may be made in Canberra by telephoning 41971 Extension 52 or, in each State Capital, by telephoning the office of the Bureau of Census and Statistics.