

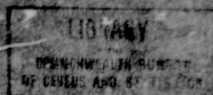
Statistical Bureau of Census and Statistics

CANADA

OFFICIAL STATISTICS, COMMONWEALTH OF AUSTRALIA

# MANUFACTURING INDUSTRIES

1946-47.



## No. 33. GAS WORKS.

PREPARED UNDER DIRECTION OF THE  
STATISTICAL BUREAU OF CENSUS AND STATISTICS

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PREFACE

1. GENERAL: The industries included in this series are listed on the back of the cover page. They include those listed for the same series for 1945-46 together with the following additions to 1946-47, viz., Aerated Waters and Cordials, and Meat and Fish Preserving.

All Manufacturing Industry Summaries for 1946-47 have now been issued with the exception of Nos. 20. Breweries and 37. Aerated Waters and Cordials.

2. CLASSIFICATION OF FACTORIES: The classification of factories in Australia is based on the nature of the product. Where two or more distinct types of industrial activity are carried on in one establishment, factory proprietors are requested to furnish separate returns for each activity. In some instances, however, this is not practicable, and in such cases there is no alternative but to classify the factory according to its predominant activity. This difficulty is most acute in the Metal Trades Industries (e.g. Engineering firms also producing Agricultural Implements, Stoves and Ovens, and/or Brass and Copper products) but it is also to be found in factories concerned with the treatment or manufacture of Skins, Leather, Clothing, Wood products and some other articles. In consequence, and to an extent which will vary with individual industries, the figures may include the subsidiary but extraneous activities of those establishments included in the industry, while they will exclude relevant activities which are subsidiary to the predominant activity of establishments classified to some other industry. This qualification is important in the case of Gas Works, the industry with which this summary is concerned.

Some of the articles produced in gas works are also extensively made in coke, smelting and other works and particulars of these are shown in Table V. All other tables included in this Summary cover the operations of gas works only.

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

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

All persons employed in the manufacturing activities of the factory are counted as factory employees. The figures relating to employment, therefore, exclude all those engaged in selling and distribution, such as salesmen, travellers, collectors, carters engaged solely on outward delivery, and retailing storemen. The output of gas is valued at the point of consumption less costs of generation and distribution. The value of output of other articles produced is the wholesale selling value at the works (excluding all delivery costs and charges) of goods made or processed during the year including by-products.

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

S. R. CARVER

ACTING COMMONWEALTH STATISTICIAN

SUMMARY OF STATISTICS: The following table furnishes a summary of the principal statistics of the factories classified as Gas Works, in Australia for the years 1930-39 and 1943-44 to 1946-47.

TABLE I : GAS WORKS : AUSTRALIA.

| Year    | Number of Factories | Persons Employed (a) | Salaries & Wages Paid (b) | Power, Fuel and Light, etc. Used | Value of Other Materials etc. used (c) | Value of Production | Value of Output |
|---------|---------------------|----------------------|---------------------------|----------------------------------|----------------------------------------|---------------------|-----------------|
|         | No.                 | No.                  | £'000                     | £'000                            | £'000                                  | £'000               | £'000           |
| 1930-39 | 107                 | 2,531                | 705                       | (d) 251                          | 1,872                                  | 2,694               | (d) 4,017       |
| 1943-44 | 107                 | 3,181                | 1,099                     | (d) 401                          | 3,726                                  | 3,320               | (d) 7,455       |
| 1944-45 | 105                 | 3,233                | 1,127                     | (d) 417                          | 3,902                                  | 3,371               | (d) 7,690       |
| 1945-46 | 104                 | 3,502                | 1,194                     | (d) 440                          | 3,965                                  | 3,313               | (d) 7,726       |
| 1946-47 | 104                 | 3,570                | 1,240                     | (d) 432                          | 4,172                                  | 3,261               | (d) 7,915       |

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

(c) Includes value of containers packing, etc., tools replaced and repairs to plant.

(d) Excludes the value of coke produced and used in own works in some States.

In the following table particulars of the Industry are given for each State during the year 1946-47.

TABLE II : GAS WORKS : STATES, 1946-47.

| Particulars                          | N.S.W.      | Vic.       | Q'ld.      | S.A.       | W.A.     | Tas.     | Aust.        |
|--------------------------------------|-------------|------------|------------|------------|----------|----------|--------------|
|                                      | No.         | No.        | No.        | No.        | No.      | No.      | No.          |
| No. of Factories                     | 39          | 39         | 16         | 4          | 4        | 2        | 104          |
| No. Employed (a)                     |             |            |            |            |          |          |              |
| Males                                | 1,351       | 1,223      | 359        | 375        | 104      | 54       | 3,546        |
| Females                              | 18          | 7          | 4          | 3          | -        | -        | 32           |
| Total                                | 1,369       | 1,230      | 363        | 378        | 184      | 54       | 3,578        |
| Value of -                           |             |            |            |            |          |          |              |
| Salaries and Wages Paid (b)          | £. 463,562  | £. 442,718 | £. 126,358 | £. 124,340 | £. (c)   | £. (c)   | £. 1,239,617 |
| Power, Fuel and Light, etc. used (d) | 389,214     | 41,540     | 11,299     | 2,199      | (c)      | (c)      | 482,118      |
| Materials, etc. used                 | 1,681,494   | 1,571,392  | 371,801    | 287,434    | (c)      | (c)      | 4,171,362    |
| Production                           | 1,823,347   | 784,928    | 347,251    | 157,155    | (c)      | (c)      | 3,261,171    |
| Output (e)                           | 3,894,055   | 2,397,860  | 711,351    | 446,788    | (c)      | (c)      | 7,914,651    |
| Land and Buildings                   | 802,099     | 448,943    | 191,227    | 25,276     | (c)      | (c)      | 1,591,902    |
| Plant and Machinery                  | 3,121,112   | 4,084,069  | 663,248    | 1,148,720  | (c)      | (c)      | 9,602,748    |
| H.P. of Engines Ordinarily in use    | H.P. 11,688 | H.P. 7,724 | H.P. 1,091 | H.P. 1,863 | H.P. (c) | H.P. (c) | H.P. 23,695  |

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

(c) Not available for publication. These figures are included in the total for Australia.

(d) Excludes the value of Coke produced and used in own works in some States. (e) Gas is valued at point of consumption less costs of generation and distribution. Other articles produced as included in output are valued at wholesale selling values at works, excluding all delivery costs and charges.

2. AVERAGE SALARIES, OUTPUT AND PRODUCTION: Particulars of the average salary and wage paid together with the average values per employee of output and production and the ratio of salaries and wages to the value of production are shown in the following table for each of the years 1938-39 and 1943-44 to 1946-47.

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

| Year    | Salaries and Wages per Employee (a) | Value of Output per Person Engaged (b) | Value of Production per Person Engaged (b) | Ratio per cent. of Salaries & Wages to Value of Production. |
|---------|-------------------------------------|----------------------------------------|--------------------------------------------|-------------------------------------------------------------|
|         | £.                                  | £.                                     | £.                                         | %.                                                          |
| 1938-39 | 268                                 | 1,644                                  | 919                                        | 29.15                                                       |
| 1943-44 | 346                                 | 2,344                                  | 1,046                                      | 33.03                                                       |
| 1944-45 | 349                                 | 2,379                                  | 1,043                                      | 33.45                                                       |
| 1945-46 | 341                                 | 2,206                                  | 946                                        | 36.03                                                       |
| 1946-47 | 347                                 | 2,212                                  | 911                                        | 38.01                                                       |

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

(b) Includes Working Proprietors.

3. MATERIALS USED AND ARTICLES PRODUCED: In the following table details are given of the quantities and values of materials used and articles produced in Gas Works in Australia for the years 1945-46 and 1946-47.

TABLE IV : MATERIALS USED AND ARTICLES PRODUCED IN GAS WORKS : AUSTRALIA

| Particulars                         | Unit of Quantity | 1945-46    |           | 1946-47    |           |
|-------------------------------------|------------------|------------|-----------|------------|-----------|
|                                     |                  | Quantity   | Value     | Quantity   | Value     |
|                                     |                  |            | £.        |            | £.        |
| <b>Materials Used -</b>             |                  |            |           |            |           |
| Coal, carbonized                    | ton              | 1,759,429  | 3,232,837 | 1,837,510  | 3,375,534 |
| Purifying material                  | "                | 8,585      | 39,539    | 9,792      | 44,203    |
| Oil for gas-making                  | gal              | 6,348,457  | 287,124   | 6,081,948  | 256,717   |
| Other                               | "                | (b)        | 91,421    | (b)        | 99,778    |
|                                     |                  |            |           |            | 3,776,232 |
| <b>Articles produced -</b>          |                  |            |           |            |           |
| Gas sold                            | 1000 cu.ft.      | 28,087,865 | 7,415,941 | 29,459,367 | 7,612,744 |
| Gas used in own works               | "                | 175,710    | (a)       | 161,979    | (a)       |
| Gas lost                            | "                | 3,690,563  | (a)       | 3,790,275  | (e)       |
| <b>Total Gas sold, used or lost</b> | "                | 31,954,138 | 7,415,941 | 33,411,621 | 7,612,744 |
| Coke used in own works              | ton              | 424,502    | (a)       | 460,036    | (e)       |
| Coke for sale (c)                   | "                | 602,655    | 1,014,362 | 612,870    | 1,029,454 |
| Coke Breeze                         | "                | 51,845     | 50,531    | 55,546     | 56,918    |
| Tar, used in own works              | gal.             | 4,010,436  | (a)       | 4,213,475  | (a)       |
| Tar, crude for sale                 | "                | 28,170,807 | 348,234   | 32,020,866 | 383,108   |
| Tar, refined for sale               | "                | 7,383,399  | 124,470   | 7,828,302  | 167,141   |
| Tar, Oils, crude                    | "                | 2,472,086  | 66,287    | 2,899,088  | 73,458    |
| Ammoniacal Liquor                   | "                | 16,313,108 | 25,157    | 15,051,715 | 24,834    |
| Sulphate of Ammonia                 | ton              | 2,274      | 35,182    | 1,186      | 18,468    |
| Creosote                            | gal              | 2,710      | 113       | (d)        | (d)       |

(a) Quantity only collected.

(b) Value only available.

(c) Contains some Coke Breeze for sale.

(d) Not available for publication.

# GAS WORKS (CONTINUED)

4.

The details shown in the table above do not include similar materials used and articles produced in works not classified as Gas Works. Particulars of some of the more important articles produced in other works are given in the following table.

TABLE V : ARTICLES PRODUCED IN OTHER WORKS - AUSTRALIA. 1946-47

| Article Produced                   | Industry                  | Unit of Quantity | Production  |           |
|------------------------------------|---------------------------|------------------|-------------|-----------|
|                                    |                           |                  | Quantity    | Value     |
| <u>Gas made in Smelting Works</u>  | ) Smelting, etc.          | '000 cu. ft.     |             | £.        |
| - for heating hot blast stoves     |                           |                  | 22,129,030  | (a)       |
| - consumed at boiler plant         |                           |                  | 73,444,333  | (a)       |
| - lost                             |                           |                  | 31,572,794  | (a)       |
| <u>Total Gas Made</u>              |                           |                  | 127,146,157 | (a)       |
| Gas made for own use in Coke Works | Coke Works                | "                | (b)         | (a)       |
| Coke for sale                      | Coke Works                | ton              | 1,197,636   | 2,270,727 |
| Coke Breeze                        | Coke Works                | "                | 93,403      | 44,111    |
| Sulphate of Ammonia                | Chemical Fertilizer Works | "                | 28,080      | 345,787   |

(c) Quantity only collected.

(b) Not available for publication.

For comparative purposes the next table give particulars of the quantities of coal used and the production of gas and coke in gas works in Australia during the years 1938-39 and 1943-44 to 1946-47.

TABLE VI : GAS WORKS : AUSTRALIA.

| Year    | Coal Carbonized | Gas Made    |           | Coke Produced |           |
|---------|-----------------|-------------|-----------|---------------|-----------|
|         | tons            | '000 cu.ft. | Value (a) | Tons          | Value (b) |
|         |                 |             | £.        |               | £.        |
| 1938-39 | 1,176,629       | 21,472,303  | 4,878,825 | 757,046       | 640,851   |
| 1943-44 | 1,665,212       | 29,957,772  | 7,051,220 | 992,898       | 986,800   |
| 1944-45 | 1,732,703       | 31,402,289  | 7,264,320 | 1,032,950     | 1,053,258 |
| 1945-46 | 1,759,429       | 31,954,138  | 7,415,941 | 1,027,157     | 1,014,362 |
| 1946-47 | 1,837,510       | 33,411,621  | 7,612,744 | 1,072,906     | 1,029,454 |

(a) Value of Gas sold, excluding distribution costs. Valued at point of consumption.

(b) Value of Coke sold.

4. EMPLOYMENT: The numbers of persons employed as shown in Tables I, II, VIII and IX represent the average numbers employed over the whole year. In the following table, the factories have been classified for the years 1938-39 and 1943-44 to 1946-47 according to the average number employed during the actual period worked. During those years, all factories operated for the full twelve months.

TABLE VII : FACTORIES : CLASSIFIED ACCORDING TO HANDS EMPLOYED : AUSTRALIA

| No. of persons employed in each Factory | 1938-39          |              | 1943-44          |              | 1944-45          |              | 1945-46          |              | 1946-47          |              |
|-----------------------------------------|------------------|--------------|------------------|--------------|------------------|--------------|------------------|--------------|------------------|--------------|
|                                         | 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                                 | 45               | 106          | 28               | 70           | 26               | 64           | 17               | 41           | 17               | 46           |
| 4 to 10                                 | 10               | 40           | 12               | 48           | 11               | 44           | 13               | 52           | 12               | 48           |
| 11 to 20                                | 17               | 117          | 27               | 181          | 28               | 188          | 33               | 220          | 33               | 232          |
| 21 to 50                                | 17               | 233          | 15               | 222          | 11               | 165          | 13               | 192          | 14               | 209          |
| 51 to 100                               | 10               | 329          | 13               | 405          | 18               | 549          | 17               | 584          | 17               | 566          |
| 101 to 200                              | 2                | 162          | 5                | 326          | 4                | 280          | 3                | 196          | 3                | 203          |
| 201 & Over                              | 6                | 1,944        | 7                | 1,929        | 7                | 1,943        | 4                | 592          | 4                | 593          |
|                                         |                  |              |                  |              |                  |              | 4                | 1,625        | 4                | 1,681        |
| Total                                   | 107              | 2,931        | 107              | 3,161        | 105              | 3,233        | 104              | 3,502        | 104              | 3,578        |
| Average No. employed per factory        | 27               |              | 30               |              | 31               |              | 34               |              | 34               |              |

Further details of employment in the industrial group - Gas Works - are furnished in the next five tables. In Table VIII, the numbers of persons employed are shown according to the nature of their employment in Gas Works for the year 1946-47.

TABLE VIII : PERSONS EMPLOYED ACCORDING TO GRADE OF OCCUPATION : AUSTRALIA, 1946-47

| Grade of Occupation                                                            | Gas Works - |                 |       |       |
|--------------------------------------------------------------------------------|-------------|-----------------|-------|-------|
|                                                                                | Government  | Local Authority | Other | Total |
|                                                                                | No.         | No.             | No.   | No.   |
| Working Proprietors                                                            | -           | -               | 1     | 1     |
| Managerial and Clerical Staff incl. Salaries                                   |             |                 |       |       |
| Managers and Working Directors                                                 | 4           | 39              | 220   | 263   |
| Chemists and Draftsmen and other Laboratory and Research Staff                 | -           | 7               | 107   | 114   |
| Foremen and Overseers                                                          | -           | 21              | 150   | 171   |
| Workers in Factory (Skilled and Unskilled)                                     | 25          | 333             | 2,520 | 2,878 |
| Carters (excl. Delivery only) Messengers and Persons working regularly at Home | -           | 12              | 139   | 151   |
| Total                                                                          | 29          | 412             | 3,137 | 3,578 |

In Table IX, the numbers of males employed are shown for the years 1938-39, and 1943-44 to 1946-47 according to the nature of their employment but because of the change in classification, which operated from 1945-46, comparison between 1945-46 and 1946-47 and earlier years is not wholly effective.

TABLE IX : MALES EMPLOYED CLASSIFIED ACCORDING TO GRADE OF OCCUPATION : AUSTRALIA

| Grade of Occupation                                     | 1938-39 | 1943-44 | 1944-45 | 1945-46 | 1946-47 |
|---------------------------------------------------------|---------|---------|---------|---------|---------|
| <b>MALES -</b>                                          | No.     | No.     | No.     | No.     | No.     |
| Working Proprietors                                     | -       | 1       | 1       | 1       | 1       |
| Managerial & Clerical Staff, incl. Salaried             |         |         |         |         |         |
| Managers and Working Directors                          | -       |         |         | 223     | 235     |
| Chemists, Draftsmen & Other Laboratory & Research Staff | 2,522   | 3,099   | 3,133   | 103     | 111     |
| Foremen and Overseers                                   |         |         |         | 167     | 171     |
| Workers in Factory (Skilled & Unskilled)                |         |         |         | 2,924   | 2,877   |
| Other (Carters & Messengers, etc.)                      | 354     | 42      | 60      | 52      | 151     |
| Total Males                                             | 2,876   | 3,142   | 3,194   | 3,470   | 3,546   |
| Total Females (a)                                       | 55      | 39      | 39      | 32      | 32      |
| Total Persons                                           | 2,931   | 3,181   | 3,233   | 3,502   | 3,578   |

(a) Mainly Clerical Staff.

GAS WORKS (CONTINUED)

6.

The next table shows the actual number of persons employed (excluding Working Proprietors) on the pay day nearest to the 15th of each month for the years 1945-46 and 1946-47.

TABLE X : NUMBER OF PERSONS EMPLOYED IN AUSTRALIA ON PAY-DAY  
NEAREST TO THE 15TH OF EACH MONTH (WORKING PROPRIETORS EXCLUDED.)

| Month     | 1945-46 |         |       | 1946-47 |         |       |
|-----------|---------|---------|-------|---------|---------|-------|
|           | Males   | Females | Total | Males   | Females | Total |
|           | No.     | No.     | No.   | No.     | No.     | No.   |
| July      | 3,329   | 32      | 3,361 | 3,626   | 30      | 3,656 |
| August    | 3,346   | 32      | 3,378 | 3,627   | 32      | 3,659 |
| September | 3,337   | 32      | 3,369 | 3,506   | 32      | 3,538 |
| October   | 3,413   | 32      | 3,445 | 3,505   | 32      | 3,537 |
| November  | 3,412   | 32      | 3,444 | 3,501   | 32      | 3,533 |
| December  | 3,402   | 32      | 3,434 | 3,476   | 32      | 3,508 |
| January   | 3,443   | 32      | 3,475 | 2,857   | 32      | 2,889 |
| February  | 3,490   | 33      | 3,523 | 3,536   | 32      | 3,568 |
| March     | 3,515   | 32      | 3,547 | 3,554   | 32      | 3,586 |
| April     | 3,531   | 32      | 3,563 | 3,593   | 32      | 3,625 |
| May       | 3,500   | 32      | 3,532 | 3,672   | 32      | 3,704 |
| June      | 3,646   | 32      | 3,678 | 3,691   | 32      | 3,723 |

The numbers of persons employed on or about the 15th June, 1947 are distributed according to age and sex in Table XI. Owing to the change in classification which operated from 1945-46, it is not possible to give a comparison in single year groups viz., 16-20 years, for previous years, but the comparison on the old basis has been retained in Table XII.

TABLE XI : DISTRIBUTION OF EMPLOYEES ACCORDING TO AGE AND SEX :  
(EXCLUDES WORKING PROPRIETORS). AUSTRALIA. 1946-47

| Persons              | Under<br>16 yrs. | 16<br>years | 17<br>years | 18<br>years | 19<br>years | 20<br>years | 21 yrs.<br>& over | Total |
|----------------------|------------------|-------------|-------------|-------------|-------------|-------------|-------------------|-------|
| <u>GAS WORKS</u>     |                  |             |             |             |             |             |                   |       |
| Government           | -                | -           | -           | -           | -           | -           | 20                | 20    |
| Local Authority      | 2                | -           | 2           | 3           | 1           | -           | 413               | 421   |
| Other                | 4                | 12          | 12          | 20          | 23          | 19          | 3,152             | 3,242 |
| Total - Males        | 6                | 12          | 14          | 23          | 24          | 19          | 3,593             | 3,691 |
| - Females            | -                | -           | 2           | 1           | 2           | 1           | 26                | 32    |
| <u>Total Persons</u> | 6                | 12          | 16          | 24          | 26          | 20          | 3,619             | 3,723 |

TABLE XII : DISTRIBUTION OF EMPLOYEES ACCORDING TO AGE AND SEX : AUSTRALIA

| June | Males               |                          |        |       | Females              |                          |        |       | Persons              |                          |        |       |
|------|---------------------|--------------------------|--------|-------|----------------------|--------------------------|--------|-------|----------------------|--------------------------|--------|-------|
|      | Under<br>16<br>yrs. | 16 &<br>under<br>21 yrs. | Adults | Total | Under<br>16<br>years | 16 &<br>under<br>21 yrs. | Adults | Total | Under<br>16<br>years | 16 &<br>under<br>21 yrs. | Adults | Total |
| 1939 | 0                   | 110                      | 2,705  | 2,911 | -                    | 12                       | 44     | 56    | 0                    | 130                      | 2,829  | 2,967 |
| 1944 | 21                  | 95                       | 3,100  | 3,216 | -                    | 7                        | 32     | 39    | 21                   | 102                      | 3,132  | 3,255 |
| 1945 | 10                  | 09                       | 3,176  | 3,275 | -                    | 0                        | 32     | 40    | 10                   | 97                       | 3,200  | 3,315 |
| 1946 | 11                  | 97                       | 3,530  | 3,646 | -                    | 6                        | 26     | 32    | 11                   | 103                      | 3,564  | 3,678 |
| 1947 | 6                   | 92                       | 3,593  | 3,691 | -                    | 6                        | 26     | 32    | 6                    | 90                       | 3,619  | 3,723 |

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

TABLE XIII : TYPES AND RATED HORSE POWER OF ENGINES : AUSTRALIA

| Class of Engine                | Rated H.P. of Engines |         |         |                    |         |         |      |
|--------------------------------|-----------------------|---------|---------|--------------------|---------|---------|------|
|                                | Ordinarily in Use     |         |         | In Reserve or Idle |         |         |      |
|                                | 1932-39               | 1945-46 | 1946-47 | 1932-39            | 1945-46 | 1946-47 |      |
|                                | H.P.                  | H.P.    | H.P.    | H.P.               | H.P.    | H.P.    | H.P. |
| Steam - Reciprocating          | 5,365                 | 7,447   | 7,395   | 1,147              | 1,607   | 1,069   |      |
| Turbine                        | 6,390                 | 6,725   | 6,543   | 1,394              | 1,507   | 1,421   |      |
| Internal Combustion            |                       |         |         |                    |         |         |      |
| Gas                            | 3,707                 | 3,467   | 2,566   | 1,023              | 570     | 603     |      |
| Petrol or other Light Oils     | 30                    | 58      | 37      | 3                  | 13      | 63      |      |
| Heavy Oils                     | -                     | -       | -       | 4                  | -       | 4       |      |
| Water                          | -                     | -       | -       | -                  | -       | -       |      |
| <u>Total Prime Movers</u>      | 15,572                | 17,697  | 16,541  | 3,571              | 3,705   | 3,960   |      |
| Motors driven by electricity - |                       |         |         |                    |         |         |      |
| Purchased                      | 2,333                 | 6,356   | 7,154   | 931                | 1,235   | 1,994   |      |
| Own Generation                 | 6,942                 | 7,714   | 8,062   | 962                | 1,170   | 1,747   |      |
| <u>Total Electricity</u>       | 9,281                 | 14,070  | 15,216  | 1,893              | 3,013   | 3,741   |      |
| <u>Total Power Used (a)</u>    | 17,905                | 24,053  | 23,695  | 5,464              | 6,718   | 7,701   |      |

(a) Without duplication.

6. POWER, FUEL AND LIGHT, ETC., USED: Details of the quantities and values of the various items of power, fuel and light, used in Gas Works, are shown in the following table for the years 1932-39, 1945-46 and 1946-47.

TABLE XIV : POWER, FUEL AND LIGHT, ETC., USED - AUSTRALIA

| Particulars                  | Unit of Qty. | Quantity  |           |           | Value   |         |         |
|------------------------------|--------------|-----------|-----------|-----------|---------|---------|---------|
|                              |              | 1932-39   | 1945-46   | 1946-47   | 1932-39 | 1945-46 | 1946-47 |
| Power, fuel & Light -        |              |           |           |           | £.      | £.      | £.      |
| Coal - Black                 | Ton          | 1,590     | 530       | 513       | 1,503   | 683     | 806     |
| --Brown                      | "            | -         | -         | -         | -       | -       | -       |
| Brown Coal                   | "            | -         | -         | -         | -       | -       | -       |
| Briquettes                   | "            | -         | 72        | 17        | -       | 114     | 17      |
| Coke                         | "            | 136,797   | 224,104   | 243,554   | 145,352 | 297,482 | 315,946 |
| Wood                         | "            | 4,289     | 987       | 933       | 2,379   | 784     | 828     |
| Fuel Oil                     | Gallon       | 3,115,191 | 177       | 613       | 45,455  | 19      | 50      |
| Tar (Fuel)                   | "            | (a)       | 6,322,296 | 7,174,701 | (b)     | 53,133  | 59,707  |
| Electricity                  | -            | (c)       | (c)       | (c)       | 17,507  | 32,094  | 35,055  |
| Gas                          | -            | (c)       | (c)       | (c)       | -       | 1,530   | -       |
| Other(Charcoal, etc.)        | -            | (c)       | (c)       | (c)       | 3,575   | 933     | 2,470   |
| Water & Lubricating Oil used | -            | (c)       | (c)       | (c)       | 34,935  | 61,712  | 67,231  |
| <u>Total</u>                 |              | (c)       | (c)       | (c)       | 250,786 | 448,474 | 482,118 |

(a) Not available. (b) Included with Other(Charcoal, etc.). (c) Value only available.

7. VALUE OF LAND & BUILDINGS, PLANT & MACHINERY: Particulars of the book values of premises occupied and plant used in Gas Works at the 30th June for each of the years 1932-39 and 1943-44 to 1946-47 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 XV : VALUE OF LAND AND BUILDINGS, PLANT AND MACHINERY : 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 |
|         | £.                              | £.                  | £.                                        | £.                  | £.                               | £.                  |
| 1932-39 | 1,462,772                       | 7,498,428           | 30,102                                    | 394,321             | 31,300                           | 228,511             |
| 1943-44 | 1,564,025                       | 8,534,015           | 20,942                                    | 340,849             | 20,697                           | 258,327             |
| 1944-45 | 1,542,972                       | 9,004,881           | 42,319                                    | 529,304             | 55,024                           | 242,404             |
| 1945-46 | 1,571,427                       | 9,475,328           | 39,207                                    | 701,304             | 22,214                           | 239,595             |
| 1946-47 | 1,591,902                       | 9,602,748           | 41,642                                    | 653,393             | 17,757                           | 240,726             |

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

8. Minimum Weekly Rates of Wage: The following table shows, in respect of Gas Works, the weekly minimum rates of wage in operation at 30th June, 1947. These have been prescribed by Commonwealth and State Industrial Tribunals. Where no rate is shown it indicates that the particular occupation is not specifically provided for. In all cases the number of hours constituting a full week's work was 44.

TABLE XV. MINIMUM WEEKLY RATES OF WAGE AS AT 30TH JUNE, 1947.

| Occupation                           | N.S.W.                  | Vic.                    | Q'ld.                  | S.A.                    | W.A.        | Tas.                    |
|--------------------------------------|-------------------------|-------------------------|------------------------|-------------------------|-------------|-------------------------|
|                                      | C.(a)<br>s. d.          | C.(b)<br>s. d.          | S.(d)<br>s. d.         | C.(e)<br>s. d.          | S.<br>s. d. | C.(f)<br>s. d.          |
| Coal crusher attendant               | 136. 0                  | 127. 0<br>and<br>130. 0 | -                      | -                       | 113. 1      | 121. 0<br>and<br>124. 0 |
| Purifier man                         | 129. 0<br>to<br>151. 0  | 123. 0<br>and<br>143. 0 | -                      | 119. 0<br>and<br>140. 0 | 116. 1      | 117. 0<br>and<br>137. 0 |
| Conveyor attendant                   | 133. 0                  | 127. 0<br>and<br>130. 0 | -                      | 126. 0<br>to<br>138. 0  | 119. 1      | 121. 0<br>and<br>124. 0 |
| Valve or pressureman                 | 133. 0<br>and<br>139. 0 | 133. 0<br>to<br>145. 0  | -                      | 129. 0<br>to<br>138. 0  | -           | 127. 0                  |
| Oiler and greaser (retort)           | 145. 0                  | 139. 0                  | -                      | -                       | -           | 133. 0                  |
| Fireman (retort)                     | 148. 0                  | 142. 0                  | -                      | 138. 0                  | -           | 136. 0                  |
| Stoker                               | -                       | 136. 0<br>to<br>145. 0  | 141. 0                 | 135. 0<br>and<br>138. 0 | -           | 130. 0<br>to<br>139. 0  |
| Retort operator                      | 148. 0                  | 142. 0                  | -                      | -                       | 126. 10     | 136. 0                  |
| Syphon pumper                        | 129. 0                  | 123. 0                  | 119. 6                 | 126. 0                  | -           | 117. 0                  |
| Oxide breakerman                     | 136. 0                  | 130. 0                  | -                      | -                       | 116. 1      | 124. 0                  |
| Valve room attendant                 | 139. 0                  | 127. 0                  | -                      | -                       | -           | 121. 0                  |
| Tar tank cleaner                     | -                       | 127. 0                  | -                      | 123. 0                  | 116. 1      | 121. 0                  |
| Boilerman                            | 148. 0                  | 148. 0                  | -                      | -                       | -           | 142. 0                  |
| Lagger (skilled)                     | 139. 0                  | -                       | -                      | -                       | -           | -                       |
| Flue cleaner, scurfer<br>and patcher | 151. 0                  | 145. 0                  | 139. 0                 | 141. 0                  | -           | 139. 0                  |
| Sulphate plant man                   | 148. 0                  | 139. 0                  | -                      | 126. 0                  | -           | 133. 0                  |
| Tar separator man                    | -                       | -                       | -                      | -                       | 119. 1      | -                       |
| Caustic soda tank man                | 133. 0                  | 127. 0                  | -                      | 123. 0                  | -           | 121. 0                  |
| Engine drivers                       | 130. 0<br>to<br>142. 0  | 127. 0<br>to<br>139. 0  | 125. 0<br>to<br>141. 0 | 123. 0<br>to<br>135. 0  | -           | 124. 0<br>to<br>136. 0  |

C. denotes Commonwealth Court Award.

S. denotes State Award.

(a) Sydney.

(b) Melbourne, Geelong and Warrnambool. Other districts 3/- per week less.

(c) No. 1 District (Brisbane).

(d) Adelaide (Commonwealth Court Agreement). A Commonwealth Court Award prescribes wages and working conditions at Mt. Gambier.

(f) Hobart, Launceston 3/- per week less.

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