

## CHAPTER 26

### MANUFACTURING INDUSTRY

Further detail on the subjects dealt with in this chapter is contained in the annual printed bulletins *Manufacturing Industry* and *Manufacturing Commodities*, formerly *Secondary Industries*, Parts I and II. Information is also published, as soon as the data can be prepared, in a series of thirty-five annual mimeographed bulletins, *Manufacturing Industries*, each relating to a particular industry or group of industries. Details of the industries covered are contained in Statistical and other official publications of Australia of the Miscellaneous chapter. Advance annual information is published in mimeographed form in *A Summary of Principal Statistics of Factories* and in *Principal Factory Products*. Current information on factory products is available in the *Quarterly Summary of Australian Statistics*, the *Monthly Review of Business Statistics*, the *Digest of Current Economics Statistics*, and the *Monthly Bulletin of Production Statistics*. A preliminary annual statement (*Factory Statistics*) and a monthly statement (*Production Statistics*) are also issued.

In addition to the above-mentioned publications, there is also a series of fifty-two *Monthly Production Summaries*, each relating to the production of a particular commodity or group of commodities (see reference above to Statistical publications).

The annual mimeographed bulletin *Indexes of Factory Production* deals comprehensively with this subject, which is treated only in summarised fashion on pages 1098-9.

#### Introduction

A complete statistical account of the growth of the manufacturing industry in Australia cannot be given, as the necessary statistics were not collected by the several States on a definite and uniform basis prior to 1906. A standard classification of manufacturing industries was formulated at a conference of Australian statisticians in 1902 and adopted by all States in 1906, and figures on this basis were prepared for 1907 and subsequent years.

An historical summary of the development of the manufacturing industry in Australia since 1901 is contained in earlier issues of the *Year Book* (see No. 51, pages 143-4).

#### Decentralisation of manufacturing industries

The decentralisation of secondary industries, and the steps taken by Commonwealth and State Governments towards its development, are referred to in previous issues of the *Year Book* (see No. 51, page 144).

#### Bounties on manufacture

Bounties are paid by the Commonwealth Government to encourage local manufacture of certain products. The statutory provisions usually fix a term of operation of the bounty, provide for payment at a rate varying according to changes in the corresponding customs duty, specify the annual maximum amount of bounty payable, and require the bounty to be withheld or reduced if a manufacturer's net profit in production of the commodity exceeds a certain rate, or if rates of wages and conditions of employment in production of the commodity do not conform to prescribed standards. (See Chapter 19, Public Finance for products on which bounties are paid.)

#### Standardisation

*The Commonwealth Scientific and Industrial Research Organization* has functions concerned with the improvement of efficiency in industrial operations. For further particulars see the chapter Education, Cultural Activities, and Research of this *Year Book*.

*The Standards Association of Australia* is the organisation responsible for industrial standardisation on a national basis. It issues Australian standards for materials and products and standard codes of practice.

Formed as the Australian Commonwealth Engineering Standards Association in 1922, it was reconstituted as the Standards Association of Australia in 1929, and was incorporated by Royal Charter in 1950. It is an independent body having the full recognition and support of the Commonwealth and State Governments and of industry. Half its funds are provided by Commonwealth

Government grant, the remainder coming primarily from membership subscriptions and from sale of publications. Organisations, companies, and individuals are eligible for subscribing membership.

The Association is controlled by a Council comprising representatives from Commonwealth and State Governments and their departments, from associations of manufacturing and commercial interests, and from professional institutions. Standards are prepared by committees composed of expert representatives from the interests associated with the subjects under consideration. This assistance is on a voluntary basis.

Preparation of standards is undertaken in response to requests from industrial associations or firms or from government departments. Standards may relate to one or more of several aspects of industrial practice such as terminology, test methods, dimensions, specifications of performance and quality of products, and safety or design codes. In general, standards derive authority from voluntary adoption based on their intrinsic merit, but in special cases where safety of life or property is involved, they may have compulsory application through statutory reference. The Association is the owner of a registered certification trade mark covering conformity of products to standards.

The Association has international affiliations and is a member, representing Australia, of the International Organization for Standardization (ISO) and of the International Electrotechnical Commission (IEC). Close links are maintained with overseas standards organisations, and the Association acts as Australian agent for the procurement of ISO and IEC publications and the standards of other countries.

The Association has two specialised libraries, one in Sydney and one in Melbourne, containing the national standards of all countries with standards organisations. These libraries provide necessary material for committee work and a free information service to those concerned with standards.

The headquarters office of the Association is in Sydney, and there is a major branch office in Melbourne. Branch offices are located also in other capital cities and at Newcastle, New South Wales.

*The National Association of Testing Authorities* organises testing facilities throughout Australia to serve private and governmental needs.

Membership is open to authorities whose testing laboratories conform to the standards of staffing and operation defined by the Association. Testing authorities may register their laboratories voluntarily. The Association assesses the competence of the laboratories and ensures that their standards of competence are maintained. Certificates of test issued by registered laboratories may be endorsed in the name of the Association. NATA endorsed test certificates are generally accepted by governmental, industrial and commercial interests.

Laboratories are registered for performance of specific tests in the fields of metrology, mechanical testing, electrical testing, optics and photometry, non-destructive testing, heat and temperature measurement, chemical testing, biological testing, and acoustic and vibration measurement. At the end of 1967 there were 630 laboratories registered with the Association, which had a further seventy applications for registration before it.

*The Industrial Design Council of Australia* was established in June 1958 for the purpose of encouraging better design in Australian-made goods and fostering an appreciation of good design throughout the community. It has a membership fully representative of industry, commerce and government, together with designers and educationists, and is financed by donations from industry and by Commonwealth grants. The Council is responsible for the Australian Design Index which provides a detailed, illustrated record of well-designed Australian products. A Record of Designers has been set up to register information about industrial designers and their work. The Council is also concerned, in co-operation with education authorities, with raising the standard of training in industrial design. For further particulars see Year Book No. 51, page 145.

#### **Definitions in factory statistics**

The statistics relating to factories have been compiled from tabulations made by the Deputy Commonwealth Statisticians in the several States from returns supplied to them annually by manufacturers in accordance with the statistical Acts of the States and the Commonwealth. A return must be supplied in respect of every *factory*, which is defined for this purpose as an establishment where four or more persons are employed or where power (other than manual) is used in any manufacturing process. This definition includes factories in educational and charitable institutions, reformatories, and other public institutions (except penitentiaries), but does not cover smallgoods makers, laundries, photography studios, florists and seedsmen, or most abattoirs. Details relating to small establishments not classified for statistical purposes as factories are not included in the figures contained in this chapter.

If a manufacturing business is conducted in conjunction with any other activity, particulars relating to the manufacturing section only are included in the statistics. Where two or more industries are conducted in the same establishment, a separate return is obtained for each industry wherever practicable.

Manufacturers are requested to state in their returns particulars of the number, age, etc. of their employees, salaries and wages paid, the value of premises and equipment, the horse-power of machinery, the value of raw materials (including containers), tools replaced, etc., the values and in most cases the quantities of fuel used, and quantities and values of principal materials used and articles produced. The returns obtained from manufacturers are not intended to show a complete record of the income and expenditure of factories nor to show the profits or losses of factories collectively or individually.

*Persons employed* in the manufacturing activities of the factory only 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 *average number of persons* employed is quoted on two different bases, the average during the period of operation and the average over the whole year. Of these, the former is simply the aggregate of the average number of persons employed in each factory during its period of operation (whether the whole or only part of the year). This average is used only in respect of details relating to classification according to the number of persons employed. The latter, which is used in all other instances, is calculated by reducing the average number working in the factories (irrespective of period of operation) to the equivalent number working for a full year.

*Working proprietors* are included in all employment figures other than those relating to monthly employment and age dissections, but salaries and wages paid in all cases exclude drawings by working proprietors.

*Value of materials used* includes also the value of stores used, containers, tools replaced, and materials used in repairs to plant.

*Value of fuel, etc., used* includes also the cost of power and light used, lubricants and water.

The *value of factory output* is the value of the goods manufactured or their value after passing through the particular process of manufacture concerned, and includes the amount received for repair work, work done on commission and receipts for other factory work. The basis of valuation of the output is the selling value of the goods 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. In the special case of government factories and workshops, the value of output is, in most cases, estimated by adding ten per cent to the value of materials and fuel used and other factory costs, including salaries and wages paid.

The *value of production* is the value added to 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). In the process of manufacture many goods are treated in several industries, the output of one becoming the material of another, so that such commodities are counted more than once in the aggregate value of output and of raw materials. Examples are raw sugar passing from the mills to the refinery, metals from the smelters which become materials in establishments concerned in the production of metal goods, timber from the sawmills used in furniture factories and in joinery, and synthetic resins from chemical works used to make plastic products. On the other hand, the aggregate value of production is assessed without duplication, the value added by each industry being taken into account once only. For this reason, the value of production, and not the value of output, is used as a measure of activity in the manufacturing industries as a whole.

The *rated horse-power of engines used* for factories other than central electric stations relates to the rated horse-power of engines ordinarily in use.

Statistics relating to factory activity in the Australian Capital Territory and Northern Territory are included in the figures contained in this chapter as from 1 July 1964, unless otherwise indicated.

A standard classification of manufacturing industries is used in compiling statistical data relating to factories in Australia. It is designed in accordance with decisions of the 1945 Conference of Statisticians, and represents a revision and extension of a classification which was introduced in 1930-31, replacing the revised versions of the original classification formulated in 1902.

Owing to limitations of space, details published in general tables in this chapter are confined either to the sixteen classes of industry or to total factory activity. Some particulars of certain of the sub-classes shown below are published in the latter portion of this chapter, and full details for all sub-classes may be found in the bulletin *Manufacturing Industry* (previously entitled *Secondary Industries, Part I—Factory and Building Operations*).

The classes and sub-classes in the current classification of factories are as follows.

### CLASSIFICATION OF FACTORIES

#### CLASS 1. TREATMENT OF NON-METALLIFEROUS MINE AND QUARRY PRODUCTS

1. Coke works
2. Briquetting and pulverised coal
3. Carbide
4. Lime, plaster of paris, asphalt
5. Fibrous plaster and products
6. Marble, slate, etc.
7. Cement, portland
8. Asbestos cement sheets and mouldings
9. Other cement goods
10. Other

#### CLASS 2. BRICKS, POTTERY, GLASS, ETC.

1. Bricks and tiles
2. Earthenware, china, porcelain, and terracotta
3. Glass (other than bottles)
4. Glass bottles
5. Other

#### CLASS 3. CHEMICALS, DYES, EXPLOSIVES, PAINTS, OILS, GREASE

1. Industrial and heavy chemicals and acids
2. Pharmaceutical and toilet preparations
3. Explosives (including fireworks)
4. White lead, paints and varnish
5. Oils, vegetable
6. Oils, mineral
7. Oils, animal
8. Boiling-down, tallow refining
9. Soap and candles
10. Chemical fertilisers
11. Inks, polishes, etc.
12. Matches
13. Other

#### CLASS 4. INDUSTRIAL METALS, MACHINES, CON- VEYANCES

1. Smelting, converting, refining, rolling of iron and steel
2. Foundries (ferrous)
3. Plant, equipment and machinery, including machine tools
4. Other engineering
5. Extracting and refining of other metals; alloys
6. Electrical machinery, cables and apparatus
- 7-16. Construction and repair of vehicles (10 groups)
- 17, 18. Ship and boat building and repairing, marine engineering (government and other)
19. Cutlery and small hand tools
20. Agricultural machines and implements
- Non-ferrous metals—
21. Rolling and extrusion
22. Founding, casting, etc.
24. Sheet metal working, pressing and stamping
25. Pipes, tubes and fittings—Ferrous
26. Wire and wire working (including nails)
27. Stoves, ovens and ranges
28. Gas fittings and meters
29. Lead mills
30. Sewing machines
31. Arms, ammunition (excluding explosives)
32. Wireless and amplifying apparatus
33. Other metal works

#### CLASS 5. PRECIOUS METALS, JEWELLERY, PLATE

1. Jewellery
2. Watches and clocks (including repairs)
3. Electroplating (gold, silver, chromium, etc.)

#### CLASS 6. TEXTILES AND TEXTILE GOODS (NOT DRESS)

1. Cotton ginning
2. Cotton spinning and weaving
3. Wool—carding, spinning, weaving
4. Hosiery and other knitted goods
5. Silk, natural
6. Rayon, acrylics and other synthetic fibres
7. Flax mills
8. Rope and cordage
9. Canvas goods, tents, tarpaulins, etc.
10. Bags and sacks
11. Textile dyeing, printing and finishing
12. Other

#### CLASS 7. SKINS AND LEATHER (NOT CLOTHING OR FOOTWEAR)

1. Furriers and fur-dressing
2. Woolscouring and fellmongery
3. Tanning, currying and leather-dressing
4. Saddlery, harness and whips
5. Machine belting (leather or other)
6. Bags, trunks and other goods of leather and leather substitutes

#### CLASS 8. CLOTHING (EXCEPT KNITTED)

1. Tailoring and ready-made clothing
2. Waterproof and oilskin clothing
3. Dressmaking, hemstitching
4. Millinery
5. Shirts, collars, underclothing
6. Foundation garments
7. Handkerchiefs, ties and scarves
8. Hats and caps
9. Gloves
10. Boots and shoes (not rubber)
11. Boot and shoe repairing
12. Boot and shoe accessories
13. Umbrellas and walking sticks
14. Dyeworks and cleaning (including renovating and repairing)
15. Other

#### CLASS 9. FOOD, DRINK AND TOBACCO

1. Flour-milling
2. Cereal foods and starch
3. Animal and bird foods
4. Chaffcutting and corncrushing
5. Bakeries (including cakes and pastry)
6. Biscuits
7. Sugar mills
8. Sugar refining
9. Confectionery (including chocolate and icing sugar)
10. Jam, fruit and vegetable canning
11. Pickles, sauces, vinegar
12. Bacon curing
13. Butter factories
14. Cheese factories
15. Condensed and dried milk factories
16. Margarine

CLASS 9. FOOD, DRINK AND TOBACCO—*continued*

17. Meat and fish preserving
18. Condiments, coffee, spices
19. Ice and refrigerating
20. Salt
21. Aerated waters, cordials, etc.
22. Breweries
23. Distilleries
24. Winemaking
25. Cider and perry
26. Malting
27. Bottling
28. Tobacco, cigars, cigarettes, snuff
29. Dehydrated fruit and vegetables
30. Ice cream
31. Sausage casings
32. Arrowroot
33. Other

## CLASS 10. SAWMILLS, JOINERY, BOXES, ETC., WOOD TURNING AND CARVING

1. Sawmills
2. Plywood mills (including veneers)
3. Bark mills
4. Joinery
5. Cooperage
6. Boxes and cases
7. Woodturning, woodcarving, etc.
8. Basketware and wickerware (including seagrass and bamboo furniture)
9. Perambulators (including pushers and strollers)
10. Wall and ceiling boards (not plaster or cement)
11. Other

## CLASS 11. FURNITURE OF WOOD, BEDDING, ETC.

1. Cabinet and furniture making (including billiard tables and upholstery)
2. Bedding and mattresses (not wire)
3. Furnishing drapery
4. Picture frames
5. Blinds

## CLASS 12. PAPER, STATIONERY, PRINTING, BOOK-BINDING, ETC.

1. Newspapers and periodicals  
Printing—
2. Government
3. General, including bookbinding
4. Manufactured stationery
5. Stereotyping, electrotyping
6. Process and photo engraving
7. Cardboard boxes, cartons and containers
8. Paper bags
9. Paper making
10. Pencils, penholders, chalks, crayons
11. Other

## CLASS 13. RUBBER

1. Rubber goods (including tyres made)
2. Tyre retreading and repairing

## CLASS 14. MUSICAL INSTRUMENTS

1. Gramophones and gramophone records
2. Pianos, piano-players, organs
3. Other

## CLASS 15. MISCELLANEOUS PRODUCTS

1. Linoleum, leather-cloth, oil-cloth, etc.
2. Bone, horn, ivory, and shell
3. Plastic moulding and products
4. Brooms and brushes
5. Optical instruments and appliances
6. Surgical and other scientific instruments and appliances
7. Photographic material (including developing and printing)
8. Toys, games and sports requisites
9. Artificial flowers
10. Other

## CLASS 16. HEAT, LIGHT, AND POWER

- 1-3. Electric light and power
- 4-6. Gas works

## Factory development since 1901, Australia

## FACTORIES: AUSTRALIA(a), 1901 TO 1966-67

Year	Factories	Employment (b)	Salaries and wages paid (c)		Value of—				
			'000	'000	Materials and fuel used	Output	Production (d)	Land and buildings	Plant and machinery
	No.		'000	'000	'000	'000	'000	'000	'000
1901	11,143	198	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
1911	14,455	312	55,056	163,526	266,044	102,518	65,402	63,032	
1920-21	17,113	367	125,864	427,118	647,986	220,868	121,662	137,310	
1930-31	21,751	339	124,910	344,978	581,598	236,620	224,422	248,996	
1940-41	27,300	650	275,838	773,762	1,289,590	515,828	288,188	322,712	
1950-51	43,147	969	983,436	2,613,926	4,301,670	1,687,744	605,570	673,230	
1960-61	57,782	1,145	2,289,230	6,115,930	10,465,765	4,349,835	2,389,140	2,785,565	
1962-63	59,147	1,168	2,446,694	6,679,436	11,474,678	4,795,241	3,006,820	3,286,533	
1963-64	59,375	1,210	2,651,620	7,372,682	12,642,686	5,270,003	3,204,685	3,480,673	
1964-65	61,042	1,269	2,993,709	8,140,600	14,037,355	5,896,754	3,505,859	3,766,253	
1965-66	61,686	1,294	3,162,769	8,437,958	14,689,819	6,251,861	3,776,590	4,154,652	
1966-67	62,500	1,309	3,407,683	9,025,108	15,912,413	6,887,305	4,064,193	4,708,843	

(a) Before 1 July 1964, excludes Northern Territory and Australian Capital Territory. (b) 1901 and 1911—average employment during period of operation. Later years relate to average employment over whole year. Working proprietors are included in all years. (c) Excludes amounts drawn by working proprietors. (d) Value added in process of manufacture (i.e. value of output less value of materials and fuel, etc. used).

## Number of factories

## Number in each State and Territory

## FACTORIES: NUMBER, STATES AND TERRITORIES, 1962-63 TO 1966-67

Year	N.S.W.	Vic.	Qld	S.A.	W.A.	Tas.	N.T.	A.C.T.	Aust. (a)
1962-63 . . .	23,729	17,501	5,895	5,766	4,492	1,764	n.a.	n.a.	59,147
1963-64 . . .	23,642	17,597	5,955	5,826	4,609	1,746	n.a.	n.a.	59,375
1964-65 . . .	24,368	17,925	5,962	5,887	4,734	1,805	174	187	61,042
1965-66 . . .	24,531	17,980	6,010	6,065	4,906	1,792	185	217	61,686
1966-67 . . .	24,849	18,053	6,013	6,222	5,167	1,771	187	238	62,500

(a) Before 1 July 1964, excludes Northern Territory and Australian Capital Territory.

## Number by class of industry

The next tables show the number of factories in Australia classified to the industrial classes agreed upon by the Conference of Statisticians in 1930.

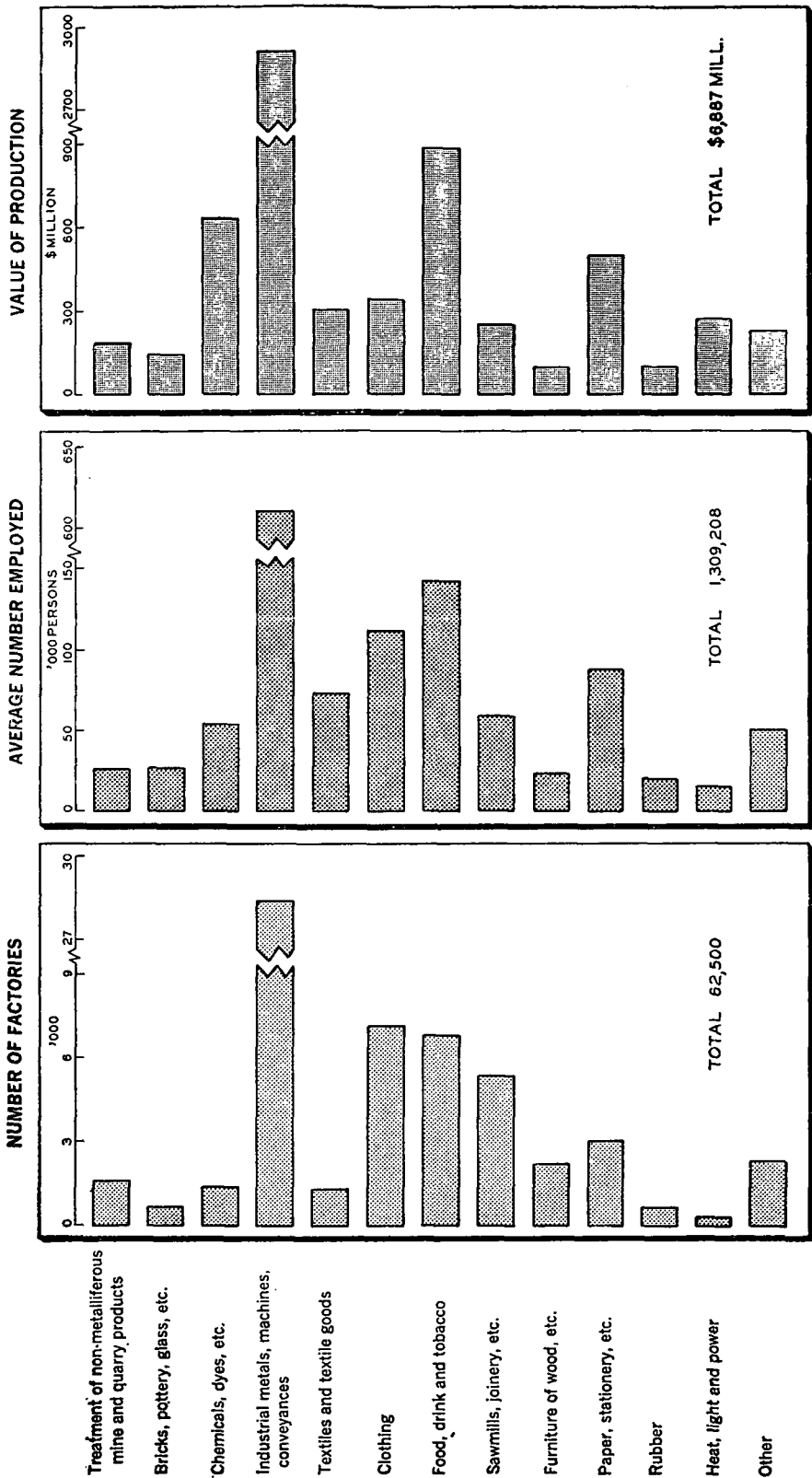
## FACTORIES: NUMBER, BY CLASS OF INDUSTRY, AUSTRALIA(a), 1962-63 TO 1966-67

Class of industry	1962-63	1963-64	1964-65	1965-66	1966-67
1. Treatment of non-metalliferous mine and quarry products . . . . .	1,494	1,517	1,557	1,611	1,615
2. Bricks, pottery, glass, etc. . . . .	692	692	689	678	676
3. Chemicals, dyes, explosives, paints, oils, grease . . . . .	1,288	1,303	1,325	1,354	1,379
4. Industrial metals, machines, conveyances . . . . .	24,914	25,415	26,665	27,549	28,424
5. Precious metals, jewellery, plate . . . . .	918	927	980	970	975
6. Textiles and textile goods (not dress) . . . . .	1,368	1,358	1,373	1,360	1,329
7. Skins and leather (not clothing or footwear) . . . . .	656	645	639	631	616
8. Clothing (except knitted) . . . . .	7,614	7,447	7,450	7,271	7,141
9. Food, drink and tobacco . . . . .	7,161	7,034	7,060	6,938	6,834
10. Sawmills, joinery, boxes, etc., wood turning and carving . . . . .	5,521	5,422	5,454	5,402	5,414
11. Furniture of wood, bedding, etc. . . . .	2,154	2,181	2,210	2,200	2,260
12. Paper, stationery, printing, bookbinding, etc. . . . .	2,774	2,828	2,937	2,971	3,052
13. Rubber . . . . .	659	674	705	711	685
14. Musical instruments . . . . .	86	82	76	73	69
15. Miscellaneous products . . . . .	1,486	1,494	1,575	1,627	1,701
<i>Total, classes 1 to 15</i> . . . . .	<i>58,785</i>	<i>59,019</i>	<i>60,695</i>	<i>61,346</i>	<i>62,170</i>
16. Heat, light and power . . . . .	362	356	347	340	330
<b>Total, all classes</b> . . . . .	<b>59,147</b>	<b>59,375</b>	<b>61,042</b>	<b>61,686</b>	<b>62,500</b>

(a) Before 1 July 1964, excludes Northern Territory and Australian Capital Territory.

# FACTORIES, BY INDUSTRY

AUSTRALIA, 1966-67



## FACTORIES: NUMBER, BY CLASS OF INDUSTRY, STATES AND TERRITORIES, 1966-67

<i>Class of industry</i>	<i>N.S.W.</i>	<i>Vic.</i>	<i>Qld</i>	<i>S.A.</i>	<i>W.A.</i>	<i>Tas.</i>	<i>N.T.</i>	<i>A.C.T.</i>	<i>Aust.</i>
1. Treatment of non-metalliferous mine and quarry products . . . . .	533	485	145	208	157	57	16	14	1,615
2. Bricks, pottery, glass, etc. . . . .	298	178	52	71	47	23	1	6	676
3. Chemicals, dyes, explosives, paints, oils, grease . . . . .	643	402	100	110	89	29	5	1	1,379
4. Industrial metals, machines, conveyances . . . . .	11,438	7,582	2,655	3,190	2,653	679	103	124	28,424
5. Precious metals, jewellery, plate . . . . .	389	253	40	177	91	19	..	6	975
6. Textiles and textile goods (not dress) . . . . .	434	741	31	65	35	23	..	..	1,329
7. Skins and leather (not clothing or footwear) . . . . .	284	222	42	40	23	5	..	..	616
8. Clothing (except knitted) . . . . .	3,261	2,384	539	519	333	81	8	16	7,141
9. Food, drink and tobacco . . . . .	2,378	1,864	904	739	633	275	22	19	6,834
10. Sawmills, joinery, boxes, etc., wood turning and carving . . . . .	1,932	1,394	713	452	469	411	15	28	5,414
11. Furniture of wood, bedding, etc. . . . .	843	641	290	216	196	65	2	7	2,260
12. Paper, stationery, printing, book-binding, etc. . . . .	1,284	1,106	233	195	170	48	4	12	3,052
13. Rubber . . . . .	248	176	118	56	56	20	6	5	685
14. Musical instruments . . . . .	31	16	6	10	6	..	..	..	69
15. Miscellaneous products . . . . .	769	562	88	140	123	19	..	..	1,701
<i>Total, classes 1 to 15</i> . . . . .	<i>24,765</i>	<i>18,006</i>	<i>5,956</i>	<i>6,188</i>	<i>5,081</i>	<i>1,754</i>	<i>182</i>	<i>238</i>	<i>62,170</i>
16. Heat, light and power . . . . .	84	47	57	34	86	17	5	..	330
<i>Total, all classes</i> . . . . .	<i>24,849</i>	<i>18,053</i>	<i>6,013</i>	<i>6,222</i>	<i>5,167</i>	<i>1,771</i>	<i>187</i>	<i>238</i>	<i>62,500</i>

## Classification of factories by number of persons employed

The classification of factories by size in the following tables on pages 1080-1 is based on the average weekly number of *persons employed during the period of operation* (including working proprietors).

## FACTORIES: NUMBER OF FACTORIES AND PERSONS EMPLOYED, BY SIZE OF FACTORY STATES AND TERRITORIES, 1966-67

<i>Persons employed</i>	<i>N.S.W.</i>	<i>Vic.</i>	<i>Qld</i>	<i>S.A.</i>	<i>W.A.</i>	<i>Tas.</i>	<i>N.T.</i>	<i>A.C.T.</i>	<i>Aust.</i>
<b>NUMBER OF FACTORIES</b>									
Under 4 . . . . .	10,363	5,920	2,036	3,013	2,503	730	69	70	24,704
4 . . . . .	2,010	1,523	589	477	432	149	21	28	5,229
5 to 10 . . . . .	5,568	4,371	1,571	1,215	1,073	427	73	64	14,362
11 to 20 . . . . .	3,120	2,604	810	687	525	218	9	45	8,018
21 to 50 . . . . .	2,153	2,011	578	476	411	150	13	22	5,814
51 to 100 . . . . .	830	808	219	189	134	48	2	3	2,233
101 to 200 . . . . .	425	456	113	94	53	26	..	3	1,170
201 to 300 . . . . .	146	145	53	20	22	10	..	2	398
301 to 400 . . . . .	67	74	10	14	6	2	..	..	173
401 to 500 . . . . .	47	44	12	12	3	3	..	..	121
501 to 750 . . . . .	51	54	12	9	2	1	..	1	130
751 to 1,000 . . . . .	25	17	7	4	1	3	..	..	57
Over 1,000 . . . . .	44	26	3	12	2	4	..	..	91
<i>Total</i> . . . . .	<i>24,849</i>	<i>18,053</i>	<i>6,013</i>	<i>6,222</i>	<i>5,167</i>	<i>1,771</i>	<i>187</i>	<i>238</i>	<i>62,500</i>

## NUMBER EMPLOYED DURING PERIOD OF OPERATION

Under 4 . . . . .	19,022	11,705	4,169	5,377	4,643	1,398	142	149	46,605
4 . . . . .	8,040	6,092	2,356	1,908	1,728	596	84	112	20,916
5 to 10 . . . . .	38,635	30,431	10,942	8,369	7,398	3,003	511	448	99,737
11 to 20 . . . . .	45,443	38,076	11,896	10,060	7,659	3,198	114	676	117,122
21 to 50 . . . . .	68,102	63,176	18,252	15,138	13,002	4,734	437	641	183,482
51 to 100 . . . . .	57,501	56,970	15,296	13,530	9,325	3,430	158	197	156,407
101 to 200 . . . . .	59,777	63,647	16,098	13,687	6,719	3,670	..	412	164,010
201 to 300 . . . . .	35,409	35,300	12,944	4,930	5,253	2,212	..	443	96,491
301 to 400 . . . . .	23,598	25,733	3,364	4,770	2,182	720	..	..	60,367
401 to 500 . . . . .	20,967	19,648	5,244	5,374	1,347	1,373	..	..	53,953
501 to 750 . . . . .	31,123	33,119	7,137	5,646	1,065	553	..	664	79,307
751 to 1,000 . . . . .	21,468	14,317	6,037	3,450	815	2,610	..	..	48,697
Over 1,000 . . . . .	98,081	49,741	5,151	26,580	3,779	7,634	..	..	190,966
<i>Total</i> . . . . .	<i>527,166</i>	<i>447,955</i>	<i>118,886</i>	<i>118,819</i>	<i>64,915</i>	<i>35,131</i>	<i>1,446</i>	<i>3,742</i>	<i>1,318,060</i>
<i>Average per factory</i>	<i>21.21</i>	<i>24.81</i>	<i>19.77</i>	<i>19.10</i>	<i>12.56</i>	<i>19.84</i>	<i>7.73</i>	<i>15.12</i>	<i>21.09</i>



**FACTORIES: NUMBER OF FACTORIES AND PERSONS EMPLOYED, BY SIZE OF FACTORY  
AUSTRALIA(a), 1962-63 TO 1966-67**

Year	Factories employing on the average—							
	20 and under		21 to 100		101 and upwards		Total	
	Factories	Persons employed	Factories	Persons employed	Factories	Persons employed	Factories	Persons employed
1962-63—								
Number . . . . .	50,056	265,388	7,218	304,764	1,873	604,981	59,147	1,175,133
Average per factory . . . . .	..	5.30	..	42.22	..	323.00	..	19.87
1963-64—								
Number . . . . .	49,952	266,153	7,477	315,655	1,946	635,712	59,375	1,217,520
Average per factory . . . . .	..	5.33	..	42.22	..	326.68	..	20.51
1964-65—								
Number . . . . .	51,202	273,427	7,784	327,643	2,056	676,649	61,042	1,277,719
Average per factory . . . . .	..	5.34	..	42.09	..	329.11	..	20.93
1965-66—								
Number . . . . .	51,603	279,440	7,978	337,171	2,105	685,812	61,686	1,302,423
Average per factory . . . . .	..	5.42	..	42.26	..	325.80	..	21.11
1966-67—								
Number . . . . .	52,313	284,380	8,047	339,889	2,140	693,791	62,500	1,318,060
Average per factory . . . . .	..	5.44	..	42.24	..	324.20	..	21.09

(a) Before 1 July 1964, excludes Northern Territory and Australian Capital Territory.

**Classes of industry**
**FACTORIES: NUMBER OF FACTORIES AND PERSONS EMPLOYED, BY SIZE OF FACTORY  
AND CLASS OF INDUSTRY, AUSTRALIA, 1966-67**

Class of industry	Factories employing on the average—							
	20 and under		21 to 100		101 and upwards		Total	
	Factories	Persons employed	Factories	Persons employed	Factories	Persons employed	Factories	Persons employed
1. Treatment of non-metal-liferous mine and quarry products . . . . .	1,403	7,389	166	6,862	46	12,000	1,615	26,251
2. Bricks, pottery, glass, etc. . . . .	418	3,310	204	9,323	54	14,427	676	27,060
3. Chemicals, dyes, explosives, paints, oils, grease . . . . .	960	6,210	287	13,361	132	35,217	1,379	54,788
4. Industrial metals, machines, conveyances . . . . .	24,579	125,704	2,961	123,872	884	365,177	28,424	614,753
5. Precious metals, jewellery, plate . . . . .	922	3,755	50	1,748	3	527	975	6,030
6. Textiles and textile goods (not dress) . . . . .	787	5,901	365	16,632	177	50,893	1,329	73,426
7. Skins and leather (not clothing or footwear) . . . . .	481	3,058	117	5,065	18	3,317	616	11,440
8. Clothing (except knitted) . . . . .	5,864	30,401	1,092	45,512	185	36,950	7,141	112,863
9. Food, drink and tobacco . . . . .	5,650	30,481	905	40,118	279	74,618	6,834	145,217
10. Sawmills, joinery, boxes, etc., wood turning and carving . . . . .	4,748	28,048	607	23,195	59	9,751	5,414	60,994
11. Furniture of wood, bedding, etc. . . . .	1,960	10,138	278	10,764	22	3,665	2,260	24,567
12. Paper, stationery, printing, bookbinding, etc. . . . .	2,255	16,496	646	27,267	151	45,874	3,052	89,637
13. Rubber . . . . .	594	3,038	56	2,314	35	15,005	685	20,357
14. Musical instruments . . . . .	58	262	10	448	1	115	69	825
15. Miscellaneous products . . . . .	1,395	8,855	253	11,097	53	13,705	1,701	33,657
<i>Total, classes 1 to 15</i> . . . . .	<i>52,074</i>	<i>283,046</i>	<i>7,997</i>	<i>337,578</i>	<i>2,099</i>	<i>681,241</i>	<i>62,170</i>	<i>1,301,865</i>
16. Heat, light and power . . . . .	239	1,334	50	2,311	41	12,550	330	16,195
<b>Total, all classes</b> . . . . .	<b>52,313</b>	<b>284,380</b>	<b>8,047</b>	<b>339,889</b>	<b>2,140</b>	<b>693,791</b>	<b>62,500</b>	<b>1,318,060</b>

**Employment in factories****Number employed**

All persons employed in the manufacturing activities of a 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 delivery of manufactured goods, and retailing storemen. The figures, however, do include proprietors who work in their own business, as well as 'out-workers' (see page 1084). From 1960-61 the occupational groupings collected have been—(i) working proprietors; (ii) managerial and clerical staff including salaried managers and

working directors; (iii) chemists, draughtsmen and other laboratory and research staff; and (iv) foremen and overseers, workers in factory and others, in which were amalgamated the three former groups—(iv) foremen and overseers; (v) skilled and unskilled workers; (vi) carters (excluding delivery only), messengers, and persons working regularly at home.

Statistics of factory employment represent the equivalent average number employed over a full year of fifty-two weeks except for the classification of factories according to size (see pages 1080-1), which is based on the average number employed during the period of operation.

Particulars of the numbers employed in Australia, the increase in employment, and the rate per cent of such increase are given in the table below.

#### FACTORIES: EMPLOYMENT, AUSTRALIA(a), 1962-63 TO 1966-67

Year	Males			Females			Persons		
	Number employed	Increase on preceding year		Number employed	Increase on preceding year		Number employed	Increase on preceding year	
		Number	Per cent		Number	Per cent		Number	Per cent
1962-63	888,721	30,750	3.58	278,832	15,533	5.90	1,167,553	46,283	4.13
1963-64	918,130	29,409	3.31	291,790	12,958	4.65	1,209,920	42,367	3.63
1964-65	957,261	39,131	4.26	311,674	19,884	6.81	1,268,935	59,015	4.88
1965-66	973,411	16,150	1.69	320,412	8,738	2.80	1,293,823	24,888	1.96
1966-67	982,907	9,496	0.98	326,301	5,889	1.84	1,309,208	15,385	1.19

(a) Before 1 July 1964, excludes Northern Territory and Australian Capital Territory.

The following table shows the average number of persons employed in manufacturing industries; the percentage for each State and Territory of the total number employed in factories in Australia; and the number so employed per thousand of mean population in each State and Australia.

#### FACTORIES: EMPLOYMENT, STATES AND TERRITORIES, 1962-63 TO 1966-67

Year	N.S.W.	Vic.	Qld	S.A.	W.A.	Tas.	N.T.	A.C.T.	Aust.(a)
Average number employed during full year (fifty-two weeks)—									
1962-63	475,249	397,851	104,998	105,265	53,435	30,755	n.a.	n.a.	1,167,553
1963-64	487,753	413,120	110,696	110,813	55,705	31,833	n.a.	n.a.	1,209,920
1964-65	508,979	432,413	116,246	116,183	58,097	32,580	1,210	3,227	1,268,935
1965-66	519,364	439,149	117,581	118,343	60,282	34,315	1,294	3,495	1,293,823
1966-67	524,054	445,307	117,937	118,220	63,757	34,879	1,423	3,631	1,309,208
Percentage of Australian total—									
1962-63	40.70	34.08	8.99	9.02	4.58	2.63	n.a.	n.a.	100
1963-64	40.31	34.14	9.15	9.16	4.60	2.63	n.a.	n.a.	100
1964-65	40.11	34.08	9.16	9.15	4.58	2.57	0.10	0.25	100
1965-66	40.14	33.94	9.09	9.15	4.66	2.65	0.10	0.27	100
1966-67	40.03	34.01	9.01	9.03	4.87	2.66	0.11	0.28	100
Per 1,000 of population—									
1962-63	118	132	67	105	69	86	n.a.	n.a.	109
1963-64	120	134	69	108	70	88	n.a.	n.a.	111
1964-65	123	138	71	110	71	89	23	38	113
1965-66	123	137	71	109	72	93	23	38	113
1966-67	123	137	70	107	74	93	25	36	112

(a) Before 1 July 1964, excludes Northern Territory and Australian Capital Territory.

#### Rates of increase in employment

The percentage increase on the average number of persons employed in the preceding year is shown below for each State and Territory.

#### FACTORIES: ANNUAL PERCENTAGE INCREASE OF PERSONS EMPLOYED STATES AND TERRITORIES, 1962-63 TO 1966-67

Year	N.S.W.	Vic.	Qld	S.A.	W.A.	Tas.	N.T.	A.C.T.	Aust.(a)
1962-63	3.07	5.15	3.31	6.23	4.71	2.28	n.a.	n.a.	4.13
1963-64	2.63	3.84	5.43	5.27	4.25	3.51	n.a.	n.a.	3.63
1964-65	4.35	4.67	5.01	4.85	4.29	2.35	n.a.	n.a.	4.88
1965-66	2.04	1.56	1.15	1.86	3.76	5.33	6.94	8.30	1.96
1966-67	0.90	1.40	0.30	-0.10	5.76	1.64	9.97	3.89	1.19

(a) Before 1 July 1965, excludes Northern Territory and Australian Capital Territory.

## Persons employed, by class of industry

## FACTORIES: AVERAGE NUMBER OF PERSONS EMPLOYED, BY CLASS OF INDUSTRY, AUSTRALIA(a), 1962-63 TO 1966-67

<i>Class of industry</i>	1962-63	1963-64	1964-65	1965-66	1966-67
1. Treatment of non-metalliferous mine and quarry products . . . . .	23,913	24,704	25,683	26,011	26,104
2. Bricks, pottery, glass, etc. . . . .	25,152	25,656	27,002	27,177	26,974
3. Chemicals, dyes, explosives, paints, oils, grease . . . . .	47,535	49,023	51,498	53,111	54,629
4. Industrial metals, machines, conveyances . . . . .	525,312	552,795	588,022	601,637	611,614
5. Precious metals, jewellery, plate . . . . .	5,308	5,543	5,900	5,926	5,990
6. Textiles and textile goods (not dress) . . . . .	72,022	73,076	75,281	74,708	73,036
7. Skins and leather (not clothing or footwear) . . . . .	12,264	12,209	12,026	11,807	11,355
8. Clothing (except knitted) . . . . .	107,932	108,909	110,613	111,793	111,909
9. Food, drink and tobacco . . . . .	131,301	134,487	138,768	142,153	143,510
10. Sawmills, joinery, boxes, etc., wood turning and carving . . . . .	57,114	57,650	59,815	60,642	59,976
11. Furniture of wood, bedding, etc. . . . .	21,815	22,545	23,251	23,740	24,390
12. Paper, stationery, printing, bookbinding, etc. . . . .	76,263	79,250	83,692	87,129	89,192
13. Rubber . . . . .	18,916	20,261	20,813	20,416	20,198
14. Musical instruments . . . . .	749	779	785	764	824
15. Miscellaneous products . . . . .	26,124	27,422	30,057	31,154	33,431
<i>Total, classes 1 to 15</i> . . . . .	<i>1,151,720</i>	<i>1,194,309</i>	<i>1,253,206</i>	<i>1,278,168</i>	<i>1,293,132</i>
16. Heat, light and power . . . . .	15,833	15,611	15,729	15,655	16,076
<b>Total all classes</b> . . . . .	<b>1,167,553</b>	<b>1,209,920</b>	<b>1,268,935</b>	<b>1,293,823</b>	<b>1,309,208</b>

(a) Before 1 July 1964, excludes Northern Territory and Australian Capital Territory.

## FACTORIES: AVERAGE NUMBER OF PERSONS EMPLOYED, BY CLASS OF INDUSTRY, STATES AND TERRITORIES, 1966-67

<i>Class of industry(a)</i>	<i>N.S.W.</i>	<i>Vic.</i>	<i>Qld</i>	<i>S.A.</i>	<i>W.A.</i>	<i>Tas.</i>	<i>N.T.</i>	<i>A.C.T.</i>	<i>Aust.</i>
1. Treatment non-metal mine, etc. products . . . . .	10,118	7,641	2,832	2,305	2,023	835	107	243	26,104
2. Bricks, etc. . . . .	13,101	7,773	1,868	2,117	1,593	354	(b)	(b)	26,974
3. Chemicals, etc. . . . .	26,756	18,154	2,393	3,298	3,003	995	(b)	(b)	54,629
4. Industrial metals, machines, etc. . . . .	263,795	189,176	45,878	69,321	29,593	11,908	822	1,121	611,614
5. Jewellery, etc. . . . .	2,355	2,180	349	569	275	47	..	215	5,990
6. Textiles, etc. . . . .	20,269	43,066	2,098	2,775	824	4,004	..	..	73,036
7. Skins, leather, etc. . . . .	4,977	3,740	1,041	995	555	47	..	..	11,355
8. Clothing, etc. . . . .	45,654	48,636	8,179	5,351	3,162	729	17	181	111,909
9. Food, drink, etc. . . . .	43,958	44,130	28,438	12,288	8,919	5,376	183	218	143,510
10. Sawmills, etc. . . . .	19,353	15,430	9,181	5,789	5,814	4,066	80	263	59,976
11. Furniture, etc. . . . .	9,554	7,094	3,166	2,245	1,654	614	(b)	(b)	24,390
12. Paper, stationery, etc. . . . .	35,926	30,354	7,236	5,654	3,657	5,168	55	1,142	89,192
13. Rubber . . . . .	7,823	8,092	1,957	1,621	499	151	22	33	20,198
14. Musical instruments . . . . .	531	211	25	31	26	..	..	..	824
15. Miscellaneous . . . . .	14,784	14,353	1,143	2,081	912	158	..	..	33,431
<i>Total, classes 1 to 15</i> . . . . .	<i>518,954</i>	<i>440,030</i>	<i>115,784</i>	<i>116,440</i>	<i>62,509</i>	<i>34,452</i>	<i>1,332</i>	<i>3,631</i>	<i>1,293,132</i>
16. Heat, light and power . . . . .	5,100	5,277	2,153	1,780	1,248	427	91	..	16,076
<b>Total all classes</b> . . . . .	<b>524,054</b>	<b>445,307</b>	<b>117,937</b>	<b>118,220</b>	<b>63,757</b>	<b>34,879</b>	<b>1,423</b>	<b>3,631</b>	<b>1,309,208</b>

(a) For full titles see table above. (b) Not available for publication.

## Persons employed, by occupational grouping

FACTORIES: AVERAGE NUMBER OF PERSONS EMPLOYED, BY OCCUPATIONAL GROUPING  
STATES AND TERRITORIES, 1966-67

State or Territory	Average number of persons employed				Total
	Working proprietors	Managerial and clerical staff, etc.(a)	Chemists, draughtsmen etc.	Foremen and overseers, workers in factory and others(b)	
New South Wales . . . . .	13,998	77,646	11,612	420,798	524,054
Victoria . . . . .	12,210	61,844	9,957	361,296	445,307
Queensland . . . . .	4,653	14,568	1,689	97,027	117,937
South Australia . . . . .	4,026	15,927	2,365	95,902	118,220
Western Australia . . . . .	3,349	7,119	840	52,449	63,757
Tasmania . . . . .	995	3,931	688	29,265	34,879
Northern Territory . . . . .	84	208	..	1,131	1,423
Australian Capital Territory . . . . .	139	594	20	2,878	3,631
Total males . . . . .	33,032	112,143	24,216	813,516	982,907
Total females . . . . .	6,422	69,694	2,955	247,230	326,301
Total persons . . . . .	39,454	181,837	27,171	1,060,746	1,309,208

(a) Includes salaried managers and working directors. (b) Includes persons working regularly at home.

The term 'outworker' or 'homeworker' has acquired a special meaning in connection with manufacturing industries, and includes only persons to whom work is given out by factories to be done at home. Persons working regularly at home for factories are included in the group foremen, overseers, workers in factory, and others, and separate details are not available.

## Monthly employment

The following tables show the number of persons (excluding working proprietors) employed in factories on the last pay-day of each month.

## FACTORIES: MONTHLY EMPLOYMENT, BY SEX, AUSTRALIA(a), 1962-63 TO 1966-67

## EXCLUDING WORKING PROPRIETORS

Month	1962-63	1963-64	1964-65	1965-66	1966-67
MALES					
July . . . . .	843,123	867,166	911,211	940,995	944,379
August . . . . .	845,760	869,030	912,301	940,562	944,066
September . . . . .	847,798	872,381	914,016	939,023	942,483
October . . . . .	849,866	875,318	915,883	935,842	943,532
November . . . . .	852,304	879,265	918,029	938,019	948,409
December . . . . .	847,041	875,159	917,952	931,923	942,213
January . . . . .	852,999	884,788	922,676	935,635	948,181
February . . . . .	859,665	893,400	930,968	942,486	955,604
March . . . . .	862,890	894,393	934,409	944,702	957,679
April . . . . .	861,180	897,783	934,496	941,325	957,948
May . . . . .	861,254	898,809	933,759	941,860	957,356
June . . . . .	863,142	901,507	933,803	940,563	955,085

(a) Before 1 July 1964, excludes Northern Territory and Australian Capital Territory.

FACTORIES: MONTHLY EMPLOYMENT  
BY SEX, AUSTRALIA(a), 1962-63 TO 1966-67—continued

Month	1962-63	1963-64	1964-65	1965-66	1966-67
<b>FEMALES</b>					
July . . . . .	266,207	274,312	295,743	310,759	314,479
August . . . . .	267,761	277,063	297,752	311,629	315,007
September . . . . .	270,536	279,713	301,106	313,559	315,600
October . . . . .	272,789	283,778	304,287	314,539	318,251
November . . . . .	273,845	285,296	305,939	315,070	319,341
December . . . . .	270,355	282,296	301,987	310,424	314,881
January . . . . .	270,810	283,279	302,729	310,051	316,345
February . . . . .	276,901	291,966	310,989	317,691	325,236
March . . . . .	280,285	293,424	315,493	319,760	327,895
April . . . . .	274,379	290,823	311,114	314,458	324,889
May . . . . .	273,326	290,301	309,466	313,345	322,885
June . . . . .	272,074	290,833	308,583	312,896	322,226
<b>PERSONS</b>					
July . . . . .	1,109,330	1,141,478	1,206,954	1,251,754	1,258,858
August . . . . .	1,113,521	1,146,093	1,210,053	1,252,191	1,259,073
September . . . . .	1,118,334	1,152,094	1,215,122	1,252,582	1,258,083
October . . . . .	1,122,655	1,159,096	1,220,170	1,250,381	1,261,783
November . . . . .	1,126,149	1,164,561	1,223,968	1,253,089	1,267,750
December . . . . .	1,117,396	1,157,455	1,219,939	1,242,347	1,257,094
January . . . . .	1,123,809	1,168,067	1,225,405	1,245,686	1,264,526
February . . . . .	1,136,566	1,185,366	1,241,957	1,260,177	1,280,840
March . . . . .	1,143,175	1,187,817	1,249,902	1,264,462	1,285,574
April . . . . .	1,135,559	1,188,606	1,245,610	1,255,783	1,282,837
May . . . . .	1,134,580	1,189,110	1,243,225	1,255,205	1,280,241
June . . . . .	1,135,216	1,192,340	1,242,386	1,253,459	1,277,311

(a) Before 1 July 1964, excludes Northern Territory and Australian Capital Territory.

FACTORIES: MONTHLY EMPLOYMENT, BY SEX, STATES AND TERRITORIES  
1966-67

EXCLUDING WORKING PROPRIETORS

Month	N.S.W.	Vic.	Qld	S.A.	W.A.	Tas.	N.T.	A.C.T.	Aust.
<b>MALES</b>									
July . . . . .	376,626	299,719	94,972	92,515	49,450	26,948	1,219	2,930	944,379
August . . . . .	376,068	300,346	94,388	92,424	49,648	27,042	1,231	2,919	944,066
September . . . . .	376,209	300,073	93,827	91,585	49,585	27,082	1,226	2,896	942,483
October . . . . .	376,671	300,902	93,153	91,656	49,947	27,096	1,216	2,891	943,532
November . . . . .	378,578	303,046	92,994	91,778	50,373	27,505	1,215	2,920	948,409
December . . . . .	377,858	302,910	87,328	91,855	50,582	27,539	1,206	2,935	942,213
January . . . . .	378,015	305,489	89,023	92,726	51,046	27,759	1,193	2,930	948,181
February . . . . .	380,708	307,777	90,838	93,127	51,316	27,696	1,227	2,915	955,604
March . . . . .	380,988	308,264	91,639	93,297	51,634	27,731	1,232	2,894	957,679
April . . . . .	381,139	307,422	92,797	93,181	51,747	27,695	1,249	2,718	957,948
May . . . . .	381,030	306,739	93,435	92,749	51,822	27,588	1,263	2,730	957,356
June . . . . .	380,761	305,151	93,445	92,633	51,568	27,525	1,276	2,726	955,085
<b>FEMALES</b>									
July . . . . .	130,331	125,797	21,089	21,139	9,100	6,329	99	595	314,479
August . . . . .	130,964	125,814	21,210	21,205	9,092	6,016	102	604	315,007
September . . . . .	131,471	126,061	21,102	21,163	9,114	5,994	98	597	315,600
October . . . . .	132,773	127,527	20,970	21,122	9,274	5,888	97	600	318,251
November . . . . .	132,871	128,106	20,732	21,276	9,530	6,117	98	611	319,341
December . . . . .	130,603	126,616	19,941	21,329	9,467	6,211	100	614	314,881
January . . . . .	129,813	127,786	20,142	22,223	9,313	6,351	100	617	316,345
February . . . . .	133,244	131,395	21,176	22,620	9,608	6,459	100	634	325,236
March . . . . .	133,733	132,809	21,299	22,484	9,957	6,868	104	641	327,895
April . . . . .	132,960	131,236	21,037	21,757	10,119	7,045	109	626	324,889
May . . . . .	132,460	129,903	21,597	21,391	9,841	6,955	111	627	322,885
June . . . . .	133,002	129,271	21,509	21,221	9,611	6,865	119	628	322,226

FACTORIES: MONTHLY EMPLOYMENT, BY SEX, STATES AND TERRITORIES, 1966-67—*contd*

Month	N.S.W.	Vic.	Qld	S.A.	W.A.	Tas.	N.T.	A.C.T.	Aust.
<b>PERSONS</b>									
July	506,957	425,516	116,061	113,654	58,550	33,277	1,318	3,525	1,258,858
August	507,032	426,160	115,598	113,629	58,740	33,058	1,333	3,523	1,259,073
September	507,680	426,134	114,929	112,748	58,699	33,076	1,324	3,493	1,258,083
October	509,444	428,429	114,123	112,778	59,221	32,984	1,313	3,491	1,261,783
November	511,449	431,152	113,726	113,054	59,903	33,622	1,313	3,531	1,267,750
December	508,461	429,526	107,269	113,184	60,049	33,750	1,306	3,549	1,257,094
January	507,828	433,275	109,165	114,949	60,359	34,110	1,293	3,547	1,264,526
February	513,952	439,172	112,014	115,747	60,924	34,155	1,327	3,549	1,280,840
March	514,721	441,073	112,938	115,781	61,591	34,599	1,336	3,535	1,285,574
April	514,099	438,658	113,834	114,938	61,866	34,740	1,358	3,344	1,282,837
May	513,490	436,642	115,032	114,140	61,663	34,543	1,374	3,357	1,280,241
June	513,763	434,422	114,954	113,854	61,179	34,390	1,395	3,354	1,277,311

**Distribution of employees according to age**

The following table shows the number of each sex employed in Australia in each age group on the last pay day in June.

**FACTORIES: DISTRIBUTION OF EMPLOYEES, BY AGE AND SEX, AUSTRALIA(a)**  
**JUNE 1963 TO JUNE 1967**

## EXCLUDING WORKING PROPRIETORS

June—	Males			Females			Persons		
	Under 16 years	16 and under 21 years	21 years and over	Under 16 years	16 and under 21 years	21 years and over	Under 16 years	16 and under 21 years	21 years and over
1963	8,736	92,211	762,195	7,852	51,803	212,419	16,588	144,014	974,614
1964	8,632	100,164	792,711	7,130	55,533	228,170	15,762	155,697	1,020,881
1965	7,614	104,477	821,711	5,920	57,226	245,437	13,534	161,703	1,067,148
1966	6,690	105,902	827,971	5,364	56,104	251,428	12,054	162,006	1,079,399
1967	5,703	107,285	842,097	5,005	54,727	262,494	10,708	162,012	1,104,591

(a) Before 1 July 1964, excludes Northern Territory and Australian Capital Territory.

**Distribution of sexes in factories**

## Average number of males and females employed

**FACTORIES: MALES AND FEMALES EMPLOYED, STATES AND TERRITORIES, 1962-63 to 1966-67**

State or Territory	1962-63	1963-64	1964-65	1965-66	1966-67
<b>MALES</b>					
New South Wales	358,116	366,250	379,672	387,181	390,087
Victoria	285,709	295,440	307,006	310,303	314,017
Queensland	86,536	91,123	95,328	96,150	96,082
South Australia	86,655	90,933	94,690	96,194	96,076
Western Australia	46,252	48,163	50,065	51,464	53,981
Tasmania	25,453	26,221	26,768	28,041	28,364
Northern Territory	n.a.	n.a.	1,098	1,182	1,308
Australian Capital Territory	n.a.	n.a.	2,634	2,896	2,992
<b>Australia(a)</b>	<b>888,721</b>	<b>918,130</b>	<b>957,261</b>	<b>973,411</b>	<b>982,907</b>
<b>FEMALES</b>					
New South Wales	117,133	121,503	129,307	132,183	133,967
Victoria	112,142	117,680	125,407	128,846	131,290
Queensland	18,462	19,573	20,918	21,431	21,855
South Australia	18,610	19,880	21,493	22,149	22,144
Western Australia	7,183	7,542	8,032	8,818	9,776
Tasmania	5,302	5,612	5,812	6,274	6,515
Northern Territory	n.a.	n.a.	112	112	115
Australian Capital Territory	n.a.	n.a.	593	599	639
<b>Australia(a)</b>	<b>278,832</b>	<b>291,790</b>	<b>311,674</b>	<b>320,412</b>	<b>326,301</b>

(a) Before 1 July 1964, excludes Northern Territory and Australian Capital Territory.

## Rate of annual variation for each sex

The percentages of increase or decrease on the average numbers of males and females employed in the preceding year are shown in the following table.

**FACTORIES: ANNUAL PERCENTAGE INCREASES OF MALES AND FEMALES  
EMPLOYED, STATES AND TERRITORIES, 1962-63 TO 1966-67**

<i>State or Territory</i>	<i>1962-63</i>	<i>1963-64</i>	<i>1964-65</i>	<i>1965-66</i>	<i>1966-67</i>
<b>MALES</b>					
New South Wales . . . . .	2.57	2.27	3.66	1.98	0.75
Victoria . . . . .	4.29	3.41	3.91	1.07	1.20
Queensland . . . . .	2.86	5.30	4.61	0.86	-0.07
South Australia . . . . .	5.93	4.94	4.13	1.59	-0.12
Western Australia . . . . .	4.66	4.13	3.95	2.79	4.89
Tasmania . . . . .	2.87	3.02	2.09	4.76	1.15
Northern Territory . . . . .	n.a.	n.a.	n.a.	7.65	10.66
Australian Capital Territory . . . . .	n.a.	n.a.	n.a.	9.95	3.31
<b>Australia(a)</b> . . . . .	<b>3.58</b>	<b>3.31</b>	<b>4.26</b>	<b>1.69</b>	<b>0.98</b>
<b>FEMALES</b>					
New South Wales . . . . .	4.65	3.73	6.42	2.22	1.35
Victoria . . . . .	7.42	4.94	6.57	2.74	1.90
Queensland . . . . .	5.45	6.02	6.87	2.45	1.98
South Australia . . . . .	7.63	6.82	8.11	3.05	-0.02
Western Australia . . . . .	5.01	5.00	6.50	9.79	10.86
Tasmania . . . . .	-0.49	5.85	3.56	7.95	3.84
Northern Territory . . . . .	n.a.	n.a.	n.a.	..	2.68
Australian Capital Territory . . . . .	n.a.	n.a.	n.a.	1.01	6.68
<b>Australia(a)</b> . . . . .	<b>5.90</b>	<b>4.65</b>	<b>6.81</b>	<b>2.80</b>	<b>1.84</b>

(a) Before 1 July 1965, excludes Northern Territory and Australian Capital Territory.  
Minus sign (-) indicates decrease.

## Masculinity of persons employed

The following table shows the proportion of males to females employed in factories in each State and Territory.

**FACTORIES: MASCULINITY(a) OF PERSONS EMPLOYED  
STATES AND TERRITORIES, 1962-63 TO 1966-67**

<i>Year</i>	<i>N.S.W.</i>	<i>Vic.</i>	<i>Qld</i>	<i>S.A.</i>	<i>W.A.</i>	<i>Tas.</i>	<i>N.T.</i>	<i>A.C.T.</i>	<i>Aust. (b)</i>
1962-63 . . . . .	306	255	469	466	644	480	n.a.	n.a.	319
1963-64 . . . . .	301	251	466	457	639	467	n.a.	n.a.	315
1964-65 . . . . .	294	245	456	441	623	461	980	444	307
1965-66 . . . . .	293	241	449	434	584	447	1,055	483	304
1966-67 . . . . .	291	239	440	434	552	435	1,137	468	301

(a) Number of males per 100 females. (b) Before 1 July 1964, excludes Northern Territory and Australian Capital Territory.

**Employment of females in particular industries**

The majority of females in manufacturing industries are employed in four classes, namely: 4, Industrial metals, machines, etc.; 6, Textiles; 8, Clothing; and 9, Food, drink and tobacco. In 1966-67 these industries accounted for 77.15 per cent of all females in factories. In two classes only did the number of females exceed the number of males—in Class 6, Textiles, where there were 139 females to every 100 males, and in Class 8, Clothing, with 292 females to every 100 males. The following table shows the average number of males and females employed in each of the four classes.

**MALES AND FEMALES EMPLOYED IN PARTICULAR INDUSTRIES  
STATES AND TERRITORIES, 1966-67**

<i>Class of industry</i>	<i>N.S.W.</i>	<i>Vic.</i>	<i>Qld</i>	<i>S.A.</i>	<i>W.A.</i>	<i>Tas.</i>	<i>N.T.</i>	<i>A.C.T.</i>	<i>Aust.</i>
<b>Males—</b>									
Industrial metals, etc.	225,133	160,724	42,128	61,165	27,723	11,121	766	1,045	529,805
Textiles and textile goods (not dress)	8,800	17,418	891	1,270	386	1,784	..	..	30,549
Clothing (except knitted)	10,638	12,981	1,992	1,724	826	291	9	57	28,518
Food, drink and tobacco	29,396	28,995	22,665	8,067	6,361	3,656	159	154	99,453
All other classes	116,120	93,899	28,406	23,850	18,685	11,512	374	1,736	294,582
<i>Total males</i>	<i>390,087</i>	<i>314,017</i>	<i>96,082</i>	<i>96,076</i>	<i>53,981</i>	<i>28,364</i>	<i>1,308</i>	<i>2,992</i>	<i>982,907</i>
<b>Females—</b>									
Industrial metals, etc.	38,662	28,452	3,750	8,156	1,870	787	56	76	81,809
Textiles and textile goods (not dress)	11,469	25,648	1,207	1,505	438	2,220	..	..	42,487
Clothing (except knitted)	35,016	35,655	6,187	3,627	2,336	438	8	124	83,391
Food, drink and tobacco	14,562	15,135	5,773	4,221	2,558	1,720	24	64	44,057
All other classes	34,258	26,400	4,938	4,635	2,574	1,350	27	375	74,557
<i>Total females</i>	<i>133,967</i>	<i>131,290</i>	<i>21,855</i>	<i>22,144</i>	<i>9,776</i>	<i>6,515</i>	<i>115</i>	<i>639</i>	<i>326,301</i>

**Children employed in factories****Number of children employed**

In the returns for the various States and Territories the term 'child' denotes any person under sixteen years of age. The following table shows the number of children of each sex employed in manufacturing industries in June of each year from 1965 to 1967.

**FACTORIES: CHILDREN(a) EMPLOYED  
STATES AND TERRITORIES, JUNE 1965 TO JUNE 1967**

<i>State or Territory</i>	<i>June 1965</i>			<i>June 1966</i>			<i>June 1967</i>		
	<i>Males</i>	<i>Females</i>	<i>Persons</i>	<i>Males</i>	<i>Females</i>	<i>Persons</i>	<i>Males</i>	<i>Females</i>	<i>Persons</i>
New South Wales	2,435	1,829	4,264	2,212	1,748	3,960	1,921	1,642	3,563
Victoria	1,690	1,614	3,304	1,525	1,488	3,013	1,333	1,392	2,725
Queensland	1,835	1,413	3,248	1,369	1,132	2,501	1,106	1,074	2,180
South Australia	528	539	1,067	471	471	942	386	433	819
Western Australia	962	409	1,371	944	430	1,374	792	307	1,099
Tasmania	121	107	228	126	87	213	141	131	272
Northern Territory	10	..	10	3	..	3	4	..	4
Australian Capital Territory	33	9	42	40	8	48	20	26	46
<b>Australia</b>	<b>7,614</b>	<b>5,920</b>	<b>13,534</b>	<b>6,690</b>	<b>5,364</b>	<b>12,054</b>	<b>5,703</b>	<b>5,005</b>	<b>10,708</b>

(a) Under sixteen years of age.

**Industries employing children**

The distribution of children employed in factories and the proportion of children employed to total employees, by the main classes of industry employing persons under sixteen years of age, are shown in the following table.



**FACTORIES: CHILDREN<sup>(a)</sup> EMPLOYED, BY SEX, AND CLASS OF INDUSTRY  
AUSTRALIA, JUNE 1967**

Class of industry	Children employed <sup>(a)</sup>		Total employed <sup>(b)</sup>		Proportion (per cent) of children employed to total employees <sup>(b)</sup>	
	Males	Females	Males	Females	Males	Females
Industrial metals, machines, conveyances	2,785	484	518,864	81,467	0.54	0.59
Textiles and textile goods (not dress)	209	722	30,711	43,039	0.68	1.68
Clothing (except knitted)	290	2,417	24,248	82,377	1.20	2.93
Food, drink and tobacco	663	498	94,036	41,205	0.71	1.21
Sawmills, joinery, boxes, etc.	502	65	52,546	4,155	0.96	1.56
Furniture of wood, bedding, etc.	271	73	16,968	5,627	1.60	1.30
Paper, stationery, printing, book-binding etc.	524	409	64,160	24,079	0.82	1.70
All other industries	459	337	153,552	40,277	0.30	0.84
<b>Total, all classes</b>	<b>5,703</b>	<b>5,005</b>	<b>955,085</b>	<b>322,226</b>	<b>0.60</b>	<b>1.55</b>

(a) Under sixteen years of age. (b) Excludes working proprietors.

### Apprenticeship

Acts are in force in all States for the regulation of the age at which children may be employed in gainful occupations. Legislative provision is also made for the regulation of apprenticeship under various State Factories Acts or Arbitration Acts. These Acts, while laying down general principles, leave to the wages tribunals the actual determination of the conditions under which apprentices may be employed.

### Power equipment in factories

Since 1936-37 statistics of power equipment in factories relate to the 'rated horsepower' of engines ordinarily in use and engines in reserve or idle, omitting obsolete engines. In addition, particulars of the power equipment of central electric stations are collected in greater detail. To avoid duplication it is essential that some distinction should be made between central electric stations and other classes of industries. In the following tables central electric stations have been treated separately from other factories.

#### Rated horsepower of engines in factories other than central electric stations

**FACTORIES<sup>(a)</sup>: TOTAL RATED HORSEPOWER OF ENGINES  
AND ELECTRIC MOTORS, STATES AND TERRITORIES, 1966-67**

State or Territory	Factories <sup>(a)</sup>	Rated horsepower of engines and motors	
		Ordinarily in use <sup>(b)</sup>	In reserve or idle (omitting obsolete)
New South Wales	24,799	3,302,279	452,156
Victoria	18,035	2,086,885	267,626
Queensland	5,970	891,418	135,792
South Australia	6,192	776,723	63,659
Western Australia	5,084	397,513	62,814
Tasmania	1,756	340,096	50,999
Northern Territory	182	6,462	725
Australian Capital Territory	238	13,481	1,658
<b>Australia</b>	<b>62,256</b>	<b>7,814,857</b>	<b>1,035,429</b>

(a) Excludes electric light and power works, details of which are shown on pages 1091-2.  
(b) Excludes motors driven by electricity of own generation.

## Rated horsepower of engines and electric motors ordinarily in use, by type

**FACTORIES(a): TOTAL RATED HORSEPOWER OF ENGINES AND ELECTRIC MOTORS ORDINARILY IN USE, BY TYPE, STATES AND TERRITORIES, 1966-67**

State or Territory	Steam		Internal combustion (all types)	Water	Motors driven by electricity		Total(b)
	Reciprocating	Turbine			Purchased	Own generation	
New South Wales	47,652	254,252	73,054	77	2,927,244	141,318	3,302,279
Victoria . .	15,712	106,715	55,853	880	1,907,725	88,502	2,086,885
Queensland . .	51,179	213,238	28,777	..	598,224	183,736	891,418
South Australia . .	3,566	56,545	10,754	..	705,858	30,721	776,723
Western Australia . .	8,174	13,604	29,038	..	346,697	8,982	397,513
Tasmania . .	1,010	..	9,625	..	329,461	668	340,096
Northern Territory	..	..	194	..	6,268	131	6,462
Australian Capital Territory . .	20	30	247	..	13,184	..	13,481
Australia . .	127,313	644,384	207,542	957	6,834,661	454,058	7,814,857

(a) Excludes electric light and power works, details of which are shown on pages 1091-2. (b) Excludes motors driven by electricity of own generation.

**FACTORIES(a): TOTAL RATED HORSEPOWER OF ENGINES AND ELECTRIC MOTORS ORDINARILY IN USE, BY TYPE, AUSTRALIA(b), 1962-63 TO 1966-67**

Year	Steam		Internal combustion (all types)	Water	Motors driven by electricity		Total(c)
	Reciprocating	Turbine			Purchased	Own generation	
1962-63 . .	165,312	397,213	193,309	900	5,376,452	322,828	6,133,186
1963-64 . .	154,628	439,121	198,597	840	5,733,810	335,580	6,526,996
1964-65 . .	147,417	477,268	194,458	891	6,089,766	362,719	6,909,800
1965-66 . .	127,775	615,622	201,195	901	6,450,895	419,990	7,396,388
1966-67 . .	127,313	644,384	207,542	957	6,834,661	454,058	7,814,857

(a) Excludes electric light and power works, details of which are shown on pages 1091-2. (b) Prior to 1 July 1964 excludes Northern Territory and Australian Capital Territory. (c) Excludes motors driven by electricity of own generation.

## Rated horsepower of engines and electric motors ordinarily in use, by class of industry

## FACTORIES(a): TOTAL RATED HORSEPOWER OF ENGINES AND ELECTRIC MOTORS ORDINARILY IN USE(b), BY CLASS OF INDUSTRY, STATES AND TERRITORIES, 1966-67

Class of industry(c)	N.S.W.	Vic.	Qld	S.A.	W.A.	Tas.	N.T.	A.C.T.	Aust.
1. Treatment non-metal. mine, etc. products . . .	133,000	124,577	44,065	49,156	28,950	21,787	461	902	402,898
2. Bricks, etc. . . . .	86,282	58,697	14,983	18,699	15,893	3,735	(d)	(d)	200,111
3. Chemicals, etc. . . . .	383,920	252,486	63,895	43,874	60,909	20,457	(d)	(d)	826,684
4. Industrial metals, machines, etc. . . . .	1,793,303	723,712	192,337	423,074	118,821	67,049	1,717	1,381	3,321,394
5. Jewellery, etc. . . . .	4,600	4,082	652	1,257	708	131	..	4,430	15,860
6. Textiles, etc. . . . .	68,711	121,729	9,544	9,121	3,790	12,054	..	..	224,949
7. Skins, leather, etc. . . . .	18,939	20,010	6,457	5,930	3,594	485	..	..	55,415
8. Clothing, etc. . . . .	30,833	33,754	5,901	5,458	2,884	935	40	217	80,022
9. Food, drink, etc. . . . .	267,057	270,850	369,548	77,824	57,925	35,157	2,129	682	1,081,172
10. Sawmills, etc. . . . .	202,646	136,159	122,609	61,674	68,360	59,709	763	2,072	653,992
11. Furniture, etc. . . . .	24,760	17,060	9,975	7,467	4,899	1,967	(d)	(d)	66,224
12. Paper, stationery, etc. . . . .	131,183	143,482	31,210	39,402	20,285	115,497	94	1,701	482,854
13. Rubber . . . . .	77,264	97,859	13,009	19,699	6,389	551	145	148	215,064
14. Musical instruments . . . . .	1,523	288	51	15	11	..	..	..	1,888
15. Miscellaneous . . . . .	55,023	55,119	3,843	6,087	2,699	456	..	..	123,227
Total, classes 1 to 15	3,279,044	2,059,864	888,079	768,737	396,117	339,970	6,462	13,481	7,751,754
16. Gas works . . . . .	23,235	27,021	3,339	7,986	1,396	126	..	..	63,103
Total, all classes	3,302,279	2,086,885	891,418	776,723	397,513	340,096	6,462	13,481	7,814,857

(a) Excludes electric light and power works, details of which are shown below. (b) Excludes motors driven by electricity of own generation. (c) For full titles see table on page 1094. (d) Not available for publication.

## Capacity of engines and generators installed in central electric stations, by type

## CENTRAL ELECTRIC STATIONS: POWER EQUIPMENT, BY TYPE, AUSTRALIA, 1966-67

Equipment	Capacity of engines and generators					
	Steam		Internal combustion (all types)	Water	Total	
	Reciprocating	Turbine				
Engines installed—						
Total installed . . . . .	rated hp	800	10,592,812	382,105	3,992,851	14,968,568
Generators installed—						
Kilowatt capacity—						
Total installed . . . . .	kW	560	7,883,852	273,166	2,893,085	11,050,663
Effective capacity . . . . .	..	500	7,729,772	250,858	2,850,835	10,831,965
Horsepower equivalent—						
Total installed . . . . .	hp	751	10,568,146	366,174	3,878,123	14,813,194
Effective capacity . . . . .	..	670	10,361,605	336,270	3,821,487	14,520,032

**CENTRAL ELECTRIC STATIONS: NUMBER AND POWER EQUIPMENT  
STATES AND TERRITORIES, 1966-67**

<i>Equipment</i>		<i>N.S.W.</i>	<i>Vic.</i>	<i>Qld</i>	<i>S.A.</i>	<i>W.A.</i>	<i>Tas.</i>	<i>N.T.</i>	<i>A.C.T.</i>	<i>Aust.</i>
Central electric stations .	No.	50	18	43	30	83	15	5	..	244
Engines installed . . . .	rated hp	6,813,817	3,354,145	1,701,693	1,086,301	762,483	1,212,180	37,949	..	14,968,568
<b>Generators installed—</b>										
<b>Kilowatt capacity—</b>										
Total installed . . . .	kW	5,055,744	2,453,782	1,259,300	809,080	565,253	860,710	46,794	..	11,050,663
Effective capacity . . . .	„	5,024,204	2,337,369	1,191,976	814,721	559,111	857,790	46,794	..	10,831,965
<b>Horsepower equivalent—</b>										
Total installed . . . .	hp	6,777,124	3,289,246	1,688,066	1,084,556	757,710	1,153,766	62,726	..	14,813,194
Effective capacity . . . .	„	6,734,846	3,133,196	1,597,820	1,092,117	749,477	1,149,850	62,726	..	14,520,032

**Salaries and wages paid, value of materials used, output, and production**

In all tables relating to salaries and wages paid in factories the amounts drawn by working proprietors are excluded.

The gross value of factory output for 1966-67 was \$15,912 million, of which \$8,503 million (53.4 per cent) was the value of the materials used, including containers, etc., tools replaced, and repairs to plant and buildings, and \$522 million the value of the power, fuel, light, water, and lubricating oil used. The difference between the sum of the last two amounts and the gross value of output, namely, \$6,887 million, represents the net value of factory production, defined as 'the value of consumable commodities produced during the year, deducting, so far as possible, the value of goods consumed in process of production'. Depreciation, however, is not deducted (*see* page 1097). The gross value of factory output and the value of materials used each contain inherent elements of duplication, as the output of some factories becomes the materials used in other factories.

**Salaries and wages paid**

*By class of industry*

**FACTORIES: SALARIES AND WAGES PAID, BY CLASS OF INDUSTRY  
STATES AND TERRITORIES, 1966-67**

(\$'000)

<i>Class of industry(a)</i>	<i>N.S.W.</i>	<i>Vic.</i>	<i>Qld</i>	<i>S.A.</i>	<i>W.A.</i>	<i>Tas.</i>	<i>N.T.</i>	<i>A.C.T.</i>	<i>Aust.</i>
1. Treatment non-metal. mine, etc. products . . . .	31,722	23,299	7,873	6,560	5,446	2,466	303	932	78,602
2. Bricks, etc. . . . .	37,735	22,858	5,038	5,684	4,503	925	(b)	(b)	77,292
3. Chemicals, etc. . . . .	81,883	58,093	7,302	9,640	9,327	3,463	(b)	(b)	169,845
4. Industrial metals, machines, etc. . . . .	748,781	532,554	111,550	184,115	73,563	32,839	2,607	2,970	1,688,978
5. Jewellery, etc. . . . .	4,899	5,122	671	993	466	83	..	812	13,046
6. Textiles, etc. . . . .	45,607	95,969	3,996	6,019	1,600	8,455	..	..	161,647
7. Skins, leather, etc. . . .	11,451	8,841	2,459	2,614	1,219	116	..	..	26,700
8. Clothing, etc. . . . .	80,075	91,525	11,855	8,536	4,299	1,148	23	324	197,786
9. Food, drink, etc. . . . .	111,935	111,107	73,472	28,354	20,047	12,886	509	528	358,838
10. Sawmills, etc. . . . .	47,604	37,815	19,564	12,628	13,692	9,549	217	773	141,842
11. Furniture, etc. . . . .	22,452	15,500	6,509	4,321	3,245	1,142	(b)	(b)	53,319
12. Paper, stationery, etc.	100,404	85,574	18,966	14,465	9,017	15,613	187	3,398	247,624
13. Rubber . . . . .	21,885	23,444	4,397	4,638	1,288	361	72	106	56,191
14. Musical instruments . . .	1,340	539	38	47	52	..	..	..	2,016
15. Miscellaneous . . . . .	36,499	37,187	2,402	4,774	1,774	278	..	..	82,913
<i>Total, classes 1 to 15</i>	<i>1,384,272</i>	<i>1,149,427</i>	<i>276,093</i>	<i>293,391</i>	<i>149,537</i>	<i>89,323</i>	<i>4,112</i>	<i>10,483</i>	<i>3,356,638</i>
16. Heat, light and power	15,474	18,011	6,116	5,715	4,060	1,433	237	..	51,046
<b>Total, all classes</b>	<b>1,399,746</b>	<b>1,167,437</b>	<b>282,209</b>	<b>299,105</b>	<b>153,597</b>	<b>90,756</b>	<b>4,349</b>	<b>10,483</b>	<b>3,407,683</b>

(a) For full titles *see* table on page 1094. (b) Not available for publication.

SALARIES AND WAGES, VALUE OF MATERIALS, OUTPUT, PRODUCTION 1093

*Totals and averages.* The following table shows the total amount of salaries and wages paid, and the average amount paid, according to sex, per employee in each State and Territory. The figures exclude working proprietors and the amounts drawn by them.

In comparing the figures in the following table regard should be paid to the nature of certain industries which are carried on to a greater extent in some States than in others. In Victoria, for instance, there are a large number of employees in Class 8, Clothing, comprising a relatively high percentage of women and children.

**FACTORIES: TOTAL AND AVERAGE SALARIES AND WAGES PAID  
STATES AND TERRITORIES, 1962-63 TO 1966-67**

Year	N.S.W.	Vic.	Qld	S.A.	W.A.	Tas.	N.T.	A.C.T.	Aust.(a)
<b>MALES</b>									
<b>Total amount paid (\$'000)—</b>									
1962-63 . . . . .	864,505	685,576	175,486	197,821	91,917	57,835	n.a.	n.a.	2,073,141
1963-64 . . . . .	927,806	747,177	196,484	215,127	99,978	63,007	n.a.	n.a.	2,249,580
1964-65 . . . . .	1,034,044	840,704	226,329	245,565	110,368	68,183	3,298	7,854	2,536,347
1965-66 . . . . .	1,092,517	877,256	239,885	252,260	123,022	73,932	3,666	8,819	2,671,358
1966-67 . . . . .	1,174,476	949,744	251,545	266,640	140,114	80,685	4,146	9,306	2,876,656
<b>Average per male employee (\$)—</b>									
1962-63 . . . . .	2,499	2,491	2,127	2,377	2,109	2,367	n.a.	n.a.	2,425
1963-64 . . . . .	2,618	2,621	2,254	2,457	2,201	2,491	n.a.	n.a.	2,542
1964-65 . . . . .	2,812	2,833	2,476	2,689	2,337	2,644	3,242	3,091	2,746
1965-66 . . . . .	2,913	2,921	2,600	2,720	2,538	2,730	3,333	3,172	2,843
1966-67 . . . . .	3,105	3,120	2,725	2,880	2,755	2,939	3,354	3,238	3,028
<b>FEMALES</b>									
<b>Total amount paid (\$'000)—</b>									
1962-63 . . . . .	162,712	153,285	20,345	22,246	7,964	7,002	n.a.	n.a.	373,553
1963-64 . . . . .	173,214	165,247	22,278	25,188	8,537	7,575	n.a.	n.a.	402,040
1964-65 . . . . .	195,912	187,788	26,029	28,659	9,609	8,332	185	848	457,362
1965-66 . . . . .	211,163	199,977	28,160	30,691	11,149	9,030	192	1,047	491,411
1966-67 . . . . .	225,270	217,693	30,664	32,466	13,483	10,071	203	1,177	531,027
<b>Average per female employee (\$)—</b>									
1962-63 . . . . .	1,414	1,395	1,145	1,241	1,141	1,336	n.a.	n.a.	1,369
1963-64 . . . . .	1,448	1,432	1,182	1,312	1,163	1,367	n.a.	n.a.	1,406
1964-65 . . . . .	1,537	1,526	1,290	1,372	1,228	1,454	1,799	1,469	1,496
1965-66 . . . . .	1,623	1,584	1,369	1,420	1,295	1,457	1,904	1,806	1,565
1966-67 . . . . .	1,708	1,691	1,462	1,502	1,411	1,567	1,972	1,904	1,660
<b>PERSONS</b>									
<b>Total amount paid (\$'000)—</b>									
1962-63 . . . . .	1,027,216	838,862	195,831	220,067	99,880	64,837	n.a.	n.a.	2,446,694
1963-64 . . . . .	1,101,021	912,424	218,762	240,315	108,515	70,582	n.a.	n.a.	2,651,620
1964-65 . . . . .	1,229,957	1,028,492	252,358	274,225	119,978	76,515	3,483	8,702	2,993,709
1965-66 . . . . .	1,303,680	1,077,234	268,046	282,951	134,171	82,963	3,859	9,866	3,162,769
1966-67 . . . . .	1,399,746	1,167,437	282,209	299,105	153,597	90,756	4,349	10,483	3,407,683
<b>Average per employee (\$)—</b>									
1962-63 . . . . .	2,228	2,179	1,953	2,175	1,976	2,185	n.a.	n.a.	2,170
1963-64 . . . . .	2,323	2,278	2,064	2,251	2,057	2,290	n.a.	n.a.	2,265
1964-65 . . . . .	2,484	2,450	2,262	2,444	2,180	2,427	3,110	2,791	2,435
1965-66 . . . . .	2,581	2,525	2,376	2,474	2,351	2,493	3,213	2,936	2,523
1966-67 . . . . .	2,744	2,696	2,491	2,619	2,543	2,678	3,248	3,002	2,684

(a) Before 1 July 1964, excludes Northern Territory and Australian Capital Territory.

The following table shows, by class of industry, the amounts paid to managerial and clerical staff, including salaried managers and working directors, chemists, draughtsmen and other laboratory and research staff, and those paid to other employees. Amounts drawn by working proprietors are excluded in all cases.

**FACTORIES: SALARIES AND WAGES PAID TO MANAGERS, CLERICAL STAFF, ETC.  
AND OTHER EMPLOYEES, BY CLASS OF INDUSTRY, AUSTRALIA, 1966-67**

Class of industry	Managers, clerical staff, chemists, draughtsmen, etc.		All other employees	
	Males	Females	Males	Females
	\$'000	\$'000	\$'000	\$'000
1. Treatment of non-metalliferous mine and quarry products . . . . .	13,276	2,232	62,721	372
2. Bricks, pottery, glass, etc. . . . .	9,718	2,022	62,794	2,757
3. Chemicals, dyes, explosives, paints, oils, grease . . . . .	45,218	9,983	102,602	12,043
4. Industrial metals, machines, conveyances . . . . .	299,663	58,797	1,250,045	80,473
5. Precious metals, jewellery, plate . . . . .	1,875	603	9,321	1,248
6. Textiles and textile goods (not dress) . . . . .	18,523	7,229	72,776	63,118
7. Skins and leather (not clothing or footwear) . . . . .	3,274	813	17,239	5,374
8. Clothing (except knitted) . . . . .	16,521	9,011	51,762	120,492
9. Food, drink and tobacco . . . . .	56,198	17,286	231,506	53,847
10. Sawmills, joinery, boxes, etc., wood turning and carving . . . . .	17,589	3,962	117,937	2,353
11. Furniture of wood, bedding, etc. . . . .	6,546	2,492	37,778	6,502
12. Paper, stationery, printing, bookbinding, etc. . . . .	38,078	11,581	170,606	27,359
13. Rubber . . . . .	9,334	2,032	39,545	5,280
14. Musical instruments . . . . .	222	95	1,366	332
15. Miscellaneous products . . . . .	15,537	4,846	46,391	16,139
<i>Total, classes 1 to 15</i> . . . . .	<i>551,574</i>	<i>132,984</i>	<i>2,274,390</i>	<i>397,690</i>
16. Heat, light and power . . . . .	6,094	290	44,598	63
<b>Total, all classes</b> . . . . .	<b>557,668</b>	<b>133,274</b>	<b>2,318,988</b>	<b>397,753</b>
Average paid per employee . . . . .	\$ 4,090	\$ 1,834	\$ 2,851	\$ 1,609

**Power, fuel and light used***By class of industry*

**FACTORIES: VALUE OF POWER, FUEL AND LIGHT USED(a), BY CLASS OF INDUSTRY  
STATES AND TERRITORIES, 1966-67**

(\$'000)

Class of industry(b)	N.S.W.	Vic.	Qld	S.A.	W.A.	Tas.	N.T.	A.C.T.	Aust.
1. Treatment non-metalliferous mine, etc. products . . . . .	12,641	6,802	2,723	2,243	1,679	836	18	46	26,987
2. Bricks, etc. . . . .	9,461	6,220	1,554	1,756	1,594	366	(c)	(c)	21,128
3. Chemicals, etc. . . . .	24,338	18,419	3,450	4,724	5,297	1,557	(c)	(c)	57,864
4. Industrial metals, etc. . . . .	119,351	32,787	7,522	24,102	5,671	9,889	64	57	199,444
5. Jewellery, etc. . . . .	377	430	46	108	76	(c)	..	(c)	1,190
6. Textiles, etc. . . . .	3,670	6,875	225	491	148	649	..	..	12,059
7. Skins, leather, etc. . . . .	780	909	(c)	271	151	(c)	..	..	2,321
8. Clothing, etc. . . . .	2,241	2,480	421	335	184	80	4	26	5,770
9. Food, drink, etc. . . . .	15,248	15,907	8,438	3,333	2,794	1,622	147	55	47,545
10. Sawmills, etc. . . . .	3,365	2,172	1,343	889	826	914	9	20	9,539
11. Furniture, etc. . . . .	552	391	126	110	74	30	(c)	(c)	1,285
12. Paper, stationery, etc. . . . .	5,603	7,063	1,247	1,915	762	3,785	(c)	(c)	20,550
13. Rubber . . . . .	2,429	3,163	470	566	149	40	7	14	6,838
14. Musical instruments . . . . .	73	28	(c)	(c)	(c)	..	..	..	105
15. Miscellaneous . . . . .	2,379	3,433	(c)	(c)	(c)	(c)	..	..	6,314
<i>Total, classes 1 to 15</i> . . . . .	<i>202,508</i>	<i>107,080</i>	<i>27,894</i>	<i>41,106</i>	<i>(c)</i>	<i>(c)</i>	<i>314</i>	<i>735</i>	<i>418,940</i>
16. Heat, light and power . . . . .	35,605	27,319	19,055	10,196	(c)	(c)	632	..	103,360
<b>Total, all classes</b> . . . . .	<b>238,113</b>	<b>134,399</b>	<b>46,949</b>	<b>51,302</b>	<b>30,031</b>	<b>19,826</b>	<b>946</b>	<b>735</b>	<b>522,300</b>

(a) Includes value of lubricants and water.

(b) For full titles see table above.

(c) Not available for publication.

## Total value

FACTORIES: VALUE OF POWER, FUEL AND LIGHT USED(a), STATES AND TERRITORIES  
1962-63 TO 1966-67  
(\$'000)

Year	N.S.W.	Vic.	Qld	S.A.	W.A.	Tas.	N.T.	A.C.T.	Aust.(b)
1962-63 . . .	197,509	103,550	35,198	32,072	21,722	14,436	n.a.	n.a.	404,487
1963-64 . . .	210,157	114,648	37,462	34,772	23,749	16,364	n.a.	n.a.	437,153
1964-65 . . .	217,548	125,161	38,749	39,295	26,045	18,327	865	644	466,633
1965-66 . . .	223,517	127,858	43,791	44,066	27,314	19,181	856	760	487,343
1966-67 . . .	238,113	134,399	46,949	51,302	30,031	19,826	946	735	522,300

(a) Includes value of lubricants and water. (b) Before 1 July 1964, excludes Northern Territory and Australian Capital Territory.

## Value of items

FACTORIES: VALUE OF ITEMS OF POWER, FUEL AND LIGHT USED(a)  
STATES AND TERRITORIES, 1966-67  
(\$'000)

Item of power, fuel, etc.	N.S.W.	Vic.	Qld	S.A.	W.A.	Tas.	N.T.	A.C.T.	Aust.
Coal, black . . .	38,225	2,724	21,475	(b)7,074	5,729	545	..	126	75,898
.. brown . . .	(c)	18,215	..	..	..	..	..	..	18,215
Brown coal briquettes	(d)	11,340	..	..	..	(c)	..	(d)	11,353
Coke . . . . .	45,522	1,124	876	11,797	388	727	..	..	60,433
Wood . . . . .	716	675	458	522	577	111	(d)	(d)	3,063
Fuel oil . . . . .	28,594	23,702	7,215	11,796	11,094	4,167	667	130	87,366
Tar (fuel) . . . . .	2,382	156	(d)	61	39	(d)	..	(d)	2,669
Electricity . . . . .	73,258	59,391	12,801	14,505	7,952	12,742	(d)	(d)	181,287
Gas . . . . .	23,693	4,396	536	1,770	231	94	(c)	(c)	30,721
Other (charcoal, etc.)	(d)	2,732	(d)	1,068	2,168	(d)	(d)	(d)	18,401
Water . . . . .	10,106	7,197	2,038	1,843	1,193	554	26	16	22,973
Lubricating oils . . .	4,224	2,746	1,114	865	659	246	36	30	9,921
<b>Total . . . . .</b>	<b>238,113</b>	<b>134,399</b>	<b>46,949</b>	<b>51,302</b>	<b>30,031</b>	<b>19,826</b>	<b>946</b>	<b>735</b>	<b>522,300</b>

(a) Includes value of lubricants and water. (b) Includes \$5,817,789, the value of 2,089,916 tons of sub-bituminous Leigh Creek coal. (c) Less than \$500. (d) Not available for publication.

## Quantities of fuel used

## FACTORIES: QUANTITIES OF FUEL USED, STATES AND TERRITORIES, 1966-67

Fuel	N.S.W.	Vic.	Qld	S.A.	W.A.	Tas.	N.T.	A.C.T.	Aust.
Coal, black . . '000 tons	7,711	256	2,528	(a)2,214	858	54	..	11	13,632
.. brown . . . "	(b)	17,403	..	..	..	..	..	..	17,403
Brown coal briquettes . . . "	(c)	978	..	..	..	(b)	..	(c)	979
Coke . . . . .	2,785	47	24	634	12	20	..	..	3,522
Wood . . . . .	151	169	111	247	177	44	(c)	(c)	901
Fuel oil . . . '000 gal	428,471	341,283	103,545	166,277	159,877	57,118	2,421	886	1,259,879
Tar (fuel) . . . "	171	8	(c)	5	3	(c)	..	(c)	189

(a) Includes 2,089,916 tons of Leigh Creek coal. (b) Less than 500 tons. (c) Not available for publication.

## Value of materials used

*By class of industry.* The value of materials used includes the value of containers, packing, etc., the cost of tools replaced, and repairs to plant.

**FACTORIES: VALUE OF MATERIALS USED, BY CLASS OF INDUSTRY  
STATES AND TERRITORIES, 1966-67**  
(\$'000)

<i>Class of industry(a)</i>	<i>N.S.W.</i>	<i>Vic.</i>	<i>Qld</i>	<i>S.A.</i>	<i>W.A.</i>	<i>Tas.</i>	<i>N.T.</i>	<i>A.C.T.</i>	<i>Aust.</i>
1. Treatment non-metal. mine, etc. products . . .	121,665	62,465	19,680	18,210	13,342	5,834	1,242	3,330	245,768
2. Bricks, etc. . . . .	36,821	23,735	4,393	5,812	3,165	572	(b)	(b)	75,127
3. Chemicals, etc. . . . .	396,628	310,835	66,359	62,345	87,749	9,056	(b)	(b)	933,329
4. Industrial metals, etc. . .	1,651,498	891,831	274,202	402,864	130,862	71,356	3,301	3,938	3,429,853
5. Jewellery, etc. . . . .	6,359	5,535	544	868	336	46	..	1,222	14,911
6. Textiles, etc. . . . .	110,807	237,755	9,253	11,637	5,711	19,697	..	..	394,860
7. Skins, leather, etc. . . . .	31,632	22,280	5,637	10,891	1,984	865	..	..	73,288
8. Clothing, etc. . . . .	140,697	134,435	13,477	9,679	4,657	1,007	20	188	304,160
9. Food, drink, etc. . . . .	499,338	569,962	483,573	128,163	95,558	60,027	1,127	1,308	1,839,057
10. Sawmills, etc. . . . .	109,497	76,968	35,504	26,843	25,699	23,160	302	1,371	299,345
11. Furniture, etc. . . . .	45,421	31,582	13,333	8,528	7,567	2,435	(b)	(b)	109,226
12. Paper, stationery, etc. . .	187,240	173,517	33,192	23,815	14,715	27,425	76	2,352	462,333
13. Rubber . . . . .	48,832	49,003	9,988	7,826	2,891	797	84	398	119,819
14. Musical instruments . . .	3,142	579	44	18	14	..	..	..	3,797
15. Miscellaneous . . . . .	59,892	74,674	4,612	8,849	2,839	204	..	..	151,070
<i>Total, classes 1 to 15</i>	<i>3,449,469</i>	<i>2,665,154</i>	<i>973,791</i>	<i>726,351</i>	<i>397,088</i>	<i>222,483</i>	<i>6,689</i>	<i>14,918</i>	<i>8,455,944</i>
16. Heat, light and power	16,665	13,637	9,105	3,531	2,318	1,084	524	..	46,864
<b>Total, all classes</b>	<b>3,466,134</b>	<b>2,678,791</b>	<b>982,896</b>	<b>729,882</b>	<b>399,406</b>	<b>223,566</b>	<b>7,214</b>	<b>14,918</b>	<b>8,502,808</b>

(a) For full titles see table on page 1094. (b) Not available for publication.

## Total amount

**FACTORIES: VALUE OF MATERIALS USED, STATES AND TERRITORIES  
1962-63 TO 1966-67**  
(\$'000)

<i>Year</i>	<i>N.S.W.</i>	<i>Vic.</i>	<i>Qld</i>	<i>S.A.</i>	<i>W.A.</i>	<i>Tas.</i>	<i>N.T.</i>	<i>A.C.T.</i>	<i>Aust.(a)</i>
1962-63 . . . . .	2,629,648	2,001,508	713,728	502,860	279,756	147,450	n.a.	n.a.	6,274,950
1963-64 . . . . .	2,859,622	2,190,398	812,924	599,658	300,798	172,130	n.a.	n.a.	6,935,530
1964-65 . . . . .	3,212,677	2,425,961	824,681	668,946	329,740	195,972	4,550	11,440	7,673,967
1965-66 . . . . .	3,266,547	2,469,372	924,427	698,996	362,634	209,794	5,497	13,349	7,950,615
1966-67 . . . . .	3,466,134	2,678,791	982,896	729,882	399,406	223,566	7,214	14,918	8,502,808

(a) Before 1 July 1964, excludes Northern Territory and Australian Capital Territory.

## Value of output

*By class of industry.* The value of the output of factories in the various classes in each State and Territory in 1966-67 is shown in the following table. It represents the selling value at the factory (excluding delivery costs and charges) of goods made or processed during the year, including by-products. In addition, it includes the amount received for other work done, such as repair work, assembling and making up for customers. The difference between the sum of the values of the materials and of the power, fuel and light used, and the value of output is the net value of factory production (see page 1097).



**FACTORIES: VALUE OF OUTPUT, BY CLASS OF INDUSTRY  
STATES AND TERRITORIES, 1966-67**  
(\$'000)

<i>Class of industry(a)</i>	<i>N.S.W.</i>	<i>Vic.</i>	<i>Qld</i>	<i>S.A.</i>	<i>W.A.</i>	<i>Tas.</i>	<i>N.T.</i>	<i>A.C.T.</i>	<i>Aust.</i>
1. Treatment non-metal. mine, etc. products . . .	206,740	121,060	43,244	38,200	30,712	11,745	2,164	5,550	459,415
2. Bricks, etc. . . . .	116,720	73,898	15,959	18,416	13,487	2,680	(b)	(b)	242,627
3. Chemicals, etc. . . . .	735,529	522,377	107,831	106,921	135,646	19,778	(b)	(b)	1,628,841
4. Industrial metals, etc.	3,105,850	1,783,781	481,145	733,368	272,518	150,041	6,779	8,793	6,542,275
5. Jewellery, etc. . . . .	16,209	15,547	1,673	2,907	1,428	201	..	2,893	40,857
6. Textiles, etc. . . . .	211,681	415,663	16,809	23,590	8,782	33,452	..	..	709,976
7. Skins, leather, etc. . . .	51,641	38,285	9,821	14,777	4,117	1,062	..	..	119,703
8. Clothing, etc. . . . .	289,132	286,311	34,897	24,854	12,136	3,225	86	792	651,432
9. Food, drink, etc. . . . .	812,179	870,056	659,475	196,623	146,967	88,846	2,439	2,485	2,779,070
10. Sawmills, etc. . . . .	200,733	144,392	72,795	50,961	52,217	41,155	608	2,572	565,434
11. Furniture, etc. . . . .	88,552	60,289	25,558	16,648	13,929	4,540	(b)	(b)	210,182
12. Paper, stationery, etc.	409,471	351,382	68,834	53,778	32,269	61,365	314	8,784	986,199
13. Rubber . . . . .	88,655	91,955	20,110	17,342	5,559	1,555	216	734	226,126
14. Musical instruments . . .	9,110	1,389	108	104	89	..	..	..	10,801
15. Miscellaneous . . . . .	130,644	149,826	9,915	18,781	6,377	636	..	..	316,179
<i>Total, classes 1 to 15</i>	<i>6,472,847</i>	<i>4,926,212</i>	<i>1,568,173</i>	<i>1,317,270</i>	<i>736,234</i>	<i>420,280</i>	<i>13,588</i>	<i>34,514</i>	<i>15,489,117</i>
16. Heat, light and power	169,627	122,408	54,278	27,889	28,990	17,684	2,419	..	423,295
<b>Total, all classes</b>	<b>6,642,474</b>	<b>5,048,620</b>	<b>1,622,451</b>	<b>1,345,159</b>	<b>765,224</b>	<b>437,964</b>	<b>16,007</b>	<b>34,514</b>	<b>15,912,413</b>

(a) For full titles see table on page 1094. (b) Not available for publication.

*Total value*

**FACTORIES: VALUE OF OUTPUT, STATES AND TERRITORIES, 1962-63 TO 1966-67**  
(\$'000)

<i>Year</i>	<i>N.S.W.</i>	<i>Vic.</i>	<i>Qld</i>	<i>S.A.</i>	<i>W.A.</i>	<i>Tas.</i>	<i>N.T.</i>	<i>A.C.T.</i>	<i>Aust.(a)</i>
1962-63 . . . . .	4,902,043	3,706,850	1,129,892	914,074	517,899	303,920	n.a.	n.a.	11,474,678
1963-64 . . . . .	5,337,695	4,054,822	1,292,260	1,061,786	555,058	341,065	n.a.	n.a.	12,642,686
1964-65 . . . . .	5,951,702	4,500,786	1,341,853	1,206,830	616,422	381,549	12,068	26,145	14,037,355
1965-66 . . . . .	6,154,835	4,624,915	1,511,214	1,270,539	678,751	404,581	13,456	31,528	14,689,819
1966-67 . . . . .	6,642,474	5,048,620	1,622,451	1,345,159	765,224	437,964	16,007	34,514	15,912,413

(a) Before 1 July 1964, excludes Northern Territory and Australian Capital Territory.

**Value of production**

*By class of industry.* The value of production for any industry was defined at the Conference of Statisticians at Sydney in 1925 as 'the value of consumable commodities produced during the year, deducting, so far as possible, the value of goods consumed in process of production'.

In accordance with this definition, it was agreed that a deduction consisting of the costs of raw material, containers, power, fuel, light, lubricants, water, tools replaced, repairs to plant and depreciation should be made from the 'value of output'. Because of the difficulty experienced in securing accurate figures for depreciation, however, it was subsequently decided that no deduction should be made on this account. All the deductions mentioned above, with the exception of depreciation, are included in the items 'value of materials used' and 'value of fuel used' as defined above. The net value of production as given in the following tables is obtained, therefore, by deducting only 'value of materials used' and 'value of fuel used' from the 'value of output'. The value of factory production therefore, approximates 'net value added' in the manufacturing process.

Only certain selected items of costs are recorded in the annual census of production. It must not, therefore, be inferred that when wages and salaries are deducted from the value of production the whole of the 'surplus' is available for interest and profit, as many miscellaneous expenses such as taxation, insurance, advertising, and other overhead charges, as well as depreciation, also have to be taken into account.

The following table shows the value of production in each State and Territory for the various classes of industry.

**FACTORIES: VALUE OF PRODUCTION, BY CLASS OF INDUSTRY  
STATES AND TERRITORIES, 1966-67  
(\$'000)**

<i>Class of industry(a)</i>	<i>N.S.W.</i>	<i>Vic.</i>	<i>Qld</i>	<i>S.A.</i>	<i>W.A.</i>	<i>Tas.</i>	<i>N.T.</i>	<i>A.C.T.</i>	<i>Aust.</i>
1. Treatment non-metal mine, etc. products . . .	72,435	51,792	20,841	17,747	15,691	5,076	904	2,174	186,660
2. Bricks, etc. . . . .	70,438	43,943	10,012	10,848	8,728	1,742	(b)	(b)	146,372
3. Chemicals, etc. . . . .	314,563	193,123	38,021	39,852	42,601	9,165	(b)	(b)	637,647
4. Industrial metals, etc. . .	1,335,000	859,163	199,421	306,402	135,985	68,795	3,414	4,798	2,912,978
5. Jewellery, etc. . . . .	9,473	9,582	1,083	1,930	1,016	148	..	1,524	24,756
6. Textiles, etc. . . . .	97,203	171,033	7,330	11,461	2,923	13,106	..	..	303,057
7. Skins, leather, etc. . . .	19,229	15,096	3,985	3,615	1,982	186	..	..	44,093
8. Clothing, etc. . . . .	146,193	149,396	20,999	14,840	7,296	2,138	63	577	341,502
9. Food, drink, etc. . . . .	297,593	284,187	167,464	65,126	48,615	27,197	1,165	1,121	892,468
10. Sawmills, etc. . . . .	87,871	65,252	35,948	23,229	25,692	17,081	297	1,180	256,551
11. Furniture, etc. . . . .	42,580	28,317	12,099	8,010	6,289	2,074	(b)	(b)	99,671
12. Paper, stationery, etc. . .	216,628	170,802	34,395	28,048	16,793	30,155	231	6,263	503,315
13. Rubber . . . . .	37,394	39,789	9,652	8,950	2,520	718	125	321	99,469
14. Musical instruments . . .	5,896	782	63	85	75	..	..	..	6,899
15. Miscellaneous . . . . .	68,373	71,719	5,174	9,671	3,437	420	..	..	158,795
<i>Total, classes 1 to 15</i>	<i>2,820,870</i>	<i>2,153,978</i>	<i>556,488</i>	<i>549,814</i>	<i>319,640</i>	<i>178,000</i>	<i>6,584</i>	<i>18,860</i>	<i>6,614,233</i>
16. Heat, light and power	117,357	81,452	26,119	14,161	16,148	16,572	1,263	..	273,072
<b>Total, all classes</b>	<b>2,938,227</b>	<b>2,235,430</b>	<b>592,607</b>	<b>563,975</b>	<b>335,788</b>	<b>194,571</b>	<b>7,847</b>	<b>18,860</b>	<b>6,887,305</b>

(a) For full titles see table on page 1094. (b) Not available for publication.

*Total and average values.* The value of production and the amount per person employed and per head of population are shown in the following table.

**FACTORIES: VALUE OF PRODUCTION—TOTALS AND AVERAGES  
STATES AND TERRITORIES, 1962-63 TO 1966-67**

<i>Year</i>	<i>N.S.W.</i>	<i>Vic.</i>	<i>Qld</i>	<i>S.A.</i>	<i>W.A.</i>	<i>Tas.</i>	<i>N.T.</i>	<i>A.C.T.</i>	<i>Aust.(a)</i>
<b>Total value (\$'000)—</b>									
1962-63 . . . . .	2,074,886	1,601,792	380,966	379,142	216,422	142,033	n.a.	n.a.	4,795,241
1963-64 . . . . .	2,267,917	1,749,776	441,873	427,356	230,511	152,571	n.a.	n.a.	5,270,003
1964-65 . . . . .	2,521,476	1,949,665	478,423	498,588	260,637	167,251	6,654	14,060	5,896,754
1965-66 . . . . .	2,664,771	2,027,685	542,996	527,477	288,803	175,606	7,103	17,418	6,251,861
1966-67 . . . . .	2,938,227	2,235,430	592,607	563,975	335,788	194,571	7,847	18,860	6,887,305
<b>Average per person employed (\$)—</b>									
1962-63 . . . . .	4,366	4,026	3,628	3,602	4,050	4,618	n.a.	n.a.	4,107
1963-64 . . . . .	4,650	4,236	3,992	3,857	4,138	4,793	n.a.	n.a.	4,356
1964-65 . . . . .	4,954	4,509	4,116	4,291	4,486	5,134	5,499	4,357	4,647
1965-66 . . . . .	5,131	4,617	4,618	4,457	4,791	5,117	5,489	4,984	4,854
1966-67 . . . . .	5,607	5,020	5,025	4,771	5,267	5,578	5,514	5,194	5,261
<b>Average per head of population (\$)—</b>									
1962-63 . . . . .	516	532	244	380	278	397	n.a.	n.a.	447
1963-64 . . . . .	556	569	277	418	289	421	n.a.	n.a.	482
1964-65 . . . . .	609	622	294	474	319	457	126	167	523
1965-66 . . . . .	633	635	327	488	345	475	128	188	544
1966-67 . . . . .	688	688	351	511	389	520	135	189	588

(a) Before 1 July 1964, excludes Northern Territory and Australian Capital Territory.

**Indexes of Factory Production**

The tables following contain annual indexes of factory production for the years 1949-50 to 1965-66. They present indexes, on 1955-56 and 1959-60 bases respectively, for classes and combinations of classes of manufacturing industry. The indexes are designed to provide broad measures of growth in manufacturing industry over the period.

The indexes have been compiled by methods which are commonly adopted, the indexes for classes and combinations of classes comprising in fact indexes of the output of factory sub-classes at constant prices combined by the use of base period value-added weights. Indexes of this type are subject to a number of limitations, and can be compiled only on the basis of many assumptions and approximations. An understanding of the basis of the indexes is therefore essential if inappropriate use of

the indexes is to be avoided. For a comprehensive treatment of concepts, sources, and methods, reference should be made to the annual mimeographed bulletin *Indexes of Factory Production*. This bulletin also contains indexes for a considerable number of individual factory sub-classes.

## INDEXES OF FACTORY PRODUCTION(a): AUSTRALIA(b), 1949-50 TO 1959-60

(Base of each index: year 1955-56 = 100)

Class of industry	Proportion of total value added(c) 1955-56	1949-	1950-	1951-	1952-	1953-	1954-	1955-	1956-	1957-	1958-	1959-
		50	51	52	53	54	55	56	57	58	59	60
per cent												
1. Treatment non-metal. mine, etc. products . . .	2.3	63	72	76	73	81	94	100	104	112	121	141
2. Bricks, etc. . . . .	2.1	76	78	86	78	89	96	100	92	96	103	117
3. Chemicals, etc. . . . .	7.9	51	59	61	58	69	85	100	111	123	132	146
4. Industrial metals, etc. . .	39.8	63	74	78	75	83	93	100	102	114	122	137
6. Textiles, etc. . . . .	5.5	83	89	79	78	99	97	100	111	116	114	132
7. Skins, leather, etc. . . . .	1.1	106	101	97	98	103	104	100	100	99	105	105
8. Clothing, etc. . . . .	6.8	87	93	89	84	96	97	100	99	102	104	109
9. Food, drink, etc. . . . .	13.2	87	89	89	90	95	98	100	103	104	109	111
10. Sawmills, etc. . . . .	5.2	79	85	89	79	89	98	100	96	93	102	110
11. Furniture, etc. . . . .	1.7	83	95	89	78	87	97	100	102	113	119	136
12. Paper, stationery, etc. . .	6.6	71	74	72	64	79	90	100	108	111	124	140
13. Rubber . . . . .	1.7	66	74	73	58	84	96	100	102	111	118	127
Other (Classes 5, 14, 15)(d) . . . . .	2.6	64	76	72	71	81	93	100	109	111	120	144
Classes 1 to 15 (combined) . .	96.5	71	78	80	76	86	94	100	103	110	117	130
16. Heat, light and power . . .	3.5	62	68	73	76	83	92	100	108	116	123	132
All classes (combined) . . . .	100.0	71	78	79	76	85	94	100	104	110	118	130

(a) The indexes in this table are combinations of sub-class indexes of value of output as estimated at constant prices. Indexes for all sub-classes within the respective groupings have been combined according to the value-added weights of 1955-56. (b) Excludes factories in Northern Territory and Australian Capital Territory. (c) Value of production—see pages 1075 and 1097. (d) Combination of Class 5, Precious metals, jewellery, plate; Class 14, Musical instruments; and Class 15, Miscellaneous products.

## INDEXES OF FACTORY PRODUCTION(a): AUSTRALIA(b), 1955-56 AND 1959-60 TO 1965-66

(Base of each index: year 1959-60 = 100)

Class of industry	Proportion of total value added(c) 1959-60	1955-	1959-	1960-	1961-	1962-	1963-	1964-	1965-
		56	60	61	62	63	64	65	66
per cent									
1. Treatment of non-metalliferous mine and quarry products . . .	2.5	72	100	113	114	122	137	149	153
2. Bricks, pottery, glass, etc. . . .	2.2	87	100	101	97	104	116	129	124
3. Chemicals, dyes, explosives, paints oils, grease . . . . .	8.6	70	100	104	113	123	136	151	159
4. Industrial metals, machines, conveyances . . . . .	40.9	75	100	104	102	116	130	143	149
6. Textiles and textile goods (not dress) . . . . .	5.2	76	100	98	100	111	121	128	130
7. Skins and leather (not clothing or footwear) . . . . .	0.9	97	100	94	95	100	99	102	98
8. Clothing (except knitted) . . . .	5.7	93	100	103	105	111	116	121	125
9. Food, drink, and tobacco . . . .	12.5	90	100	103	108	113	118	127	133
10. Sawmills, joinery, boxes, etc. . .	4.7	90	100	100	96	100	107	117	119
11. Furniture of wood, bedding, etc. .	1.6	74	100	97	100	105	112	121	126
12. Paper, stationery, printing, etc. .	7.2	72	100	107	106	117	129	146	151
13. Rubber . . . . .	1.6	80	100	102	99	118	128	134	135
Other (classes 5, 14 and 15)(d) . . .	2.5	77	100	102	106	120	139	157	168
Classes 1 to 15 (combined) . . . .	96.1	79	100	103	104	115	126	138	142
16. Heat, light and power . . . . .	3.9	77	100	107	112	127	135	149	158
All classes (combined) . . . . .	100.0	79	100	104	105	115	126	138	143

(a) The indexes in this table are combinations of sub-class indexes of value of output as estimated at constant prices. Indexes for all sub-classes within the respective groupings have been combined according to the value-added weights of 1959-60. (b) Excludes factories in Northern Territory and Australian Capital Territory. (c) Value of production—see pages 1075 and 1097. (d) Combination of Class 5, Precious metals, jewellery, plate; Class 14, Musical instruments; and Class 15, Miscellaneous products.

### Value of land, buildings, plant and machinery

The values recorded in this section are generally the values apportioned in the books of the individual firms after allowance has been made for depreciation, but they include estimates of the capital value of premises and plant rented. Consequently, the totals shown in the table do not represent the actual amount of capital invested in the items specified.

#### FACTORIES: VALUE OF LAND, BUILDINGS, PLANT AND MACHINERY(a)

STATES AND TERRITORIES, 1966-67

(\$'000)

Value of—	N.S.W.	Vic.	Qld	S.A.	W.A.	Tas.	N.T.	A.C.T.	Aust.
Land and buildings	1,785,172	1,254,455	294,662	296,351	170,308	233,983	6,482	22,779	4,064,193
Plant and machinery	1,837,287	1,361,994	601,393	470,959	250,858	169,159	6,825	10,368	4,708,843
<b>Total</b>	<b>3,622,460</b>	<b>2,616,449</b>	<b>896,054</b>	<b>767,310</b>	<b>421,166</b>	<b>403,142</b>	<b>13,308</b>	<b>33,147</b>	<b>8,773,036</b>

(a) At end of year. Includes estimated value of rented premises and plant.

#### Value of land and buildings

#### FACTORIES: VALUE OF LAND AND BUILDINGS(a), STATES AND TERRITORIES

1962-63 TO 1966-67

(\$'000)

Year	N.S.W.	Vic.	Qld	S.A.	W.A.	Tas.	N.T.	A.C.T.	Aust.(b)
1962-63	1,379,533	954,065	193,484	212,963	102,856	163,919	n.a.	n.a.	3,006,820
1963-64	1,454,527	1,020,794	211,520	230,627	118,813	168,403	n.a.	n.a.	3,204,685
1964-65	1,539,169	1,105,712	237,443	256,336	131,739	209,010	5,668	20,583	3,505,859
1965-66	1,658,597	1,176,942	273,559	276,331	151,047	211,923	6,100	21,891	3,776,590
1966-67	1,785,172	1,254,455	294,662	296,351	170,308	233,983	6,482	22,779	4,064,193

(a) Depreciated or book value at 30 June, including estimated value of rented premises. (b) Before 1 July 1964, excludes Northern Territory and Australian Capital Territory.

#### FACTORIES: VALUE OF LAND AND BUILDINGS(a), BY CLASS OF INDUSTRY

AUSTRALIA(b), 1962-63 TO 1966-67

(\$'000)

Class of industry	1962-63	1963-64	1964-65	1965-66	1966-67
1. Treatment of non-metalliferous mine and quarry products	66,009	72,616	76,489	82,525	86,126
2. Bricks, pottery, glass, etc.	63,060	68,470	73,402	79,323	86,770
3. Chemicals, dyes, explosives, paints, oils, grease	201,028	219,212	231,170	247,653	263,840
4. Industrial metals, machines, conveyances	1,102,874	1,188,289	1,320,522	1,419,339	1,535,902
5. Precious metals, jewellery, plate	10,788	11,657	16,597	16,584	17,443
6. Textiles and textile goods (not dress)	122,955	130,425	132,770	137,174	144,923
7. Skins and leather (not clothing or footwear)	21,591	23,322	24,495	25,427	25,478
8. Clothing (except knitted)	126,807	135,959	147,996	156,895	164,304
9. Food, drink and tobacco	370,015	392,089	428,224	465,596	494,778
10. Sawmills, joinery, boxes, etc., wood turning and carving	85,632	90,956	100,165	107,406	115,475
11. Furniture of wood, bedding, etc.	41,083	44,142	49,601	52,594	57,401
12. Paper, stationery, printing, bookbinding, etc.	182,791	198,860	227,332	250,587	265,348
13. Rubber	37,408	50,595	52,322	58,796	64,271
14. Musical instruments	1,593	1,550	1,640	1,730	1,836
15. Miscellaneous products	58,214	64,090	69,571	74,873	85,761
<b>Total, classes 1 to 15</b>	<b>2,491,848</b>	<b>2,692,232</b>	<b>2,952,295</b>	<b>3,176,504</b>	<b>3,409,654</b>
16. Heat, light and power	514,973	512,453	553,565	600,087	654,539
<b>Total, all classes</b>	<b>3,006,820</b>	<b>3,204,685</b>	<b>3,505,859</b>	<b>3,776,590</b>	<b>4,064,193</b>

(a) Depreciated or book value at 30 June, including estimated value of rented premises. (b) Before 1 July 1964, excludes Northern Territory and Australian Capital Territory.

**FACTORIES: VALUE OF LAND AND BUILDINGS(a), BY CLASS OF INDUSTRY  
STATES AND TERRITORIES, 1966-67**  
(\$'000)

<i>Class of industry(b)</i>	<i>N.S.W.</i>	<i>Vic.</i>	<i>Qld</i>	<i>S.A.</i>	<i>W.A.</i>	<i>Tas.</i>	<i>N.T.</i>	<i>A.C.T.</i>	<i>Aust.</i>
1. Treatment non-metal. mine, etc. products . . . . .	28,380	29,804	7,120	10,317	7,706	1,884	303	612	86,126
2. Bricks, etc. . . . .	46,321	24,490	4,679	5,806	3,575	1,292	(c)	(c)	86,770
3. Chemicals, etc. . . . .	135,239	87,612	10,968	10,604	15,382	3,646	(c)	(c)	263,840
4. Industrial metals, etc. . . . .	675,521	495,854	102,345	153,568	67,104	32,881	2,684	5,946	1,535,902
5. Jewellery, etc. . . . .	6,029	4,877	665	1,483	724	147	..	3,517	17,443
6. Textiles, etc. . . . .	44,304	87,003	2,725	4,658	1,761	4,473	..	..	144,923
7. Skins, leather, etc. . . . .	12,296	9,642	1,003	1,385	1,094	58	..	..	25,478
8. Clothing, etc. . . . .	71,656	69,599	9,011	7,535	4,066	1,761	90	585	164,304
9. Food, drink, etc. . . . .	150,733	173,363	78,697	38,979	30,457	20,001	1,284	1,263	494,778
10. Sawmills, etc. . . . .	43,023	36,541	10,477	11,191	6,810	6,173	281	978	115,475
11. Furniture, etc. . . . .	22,254	19,582	5,964	4,641	3,059	1,423	(c)	(c)	57,401
12. Paper, stationery, etc. . . . .	110,609	89,569	15,541	17,190	9,786	14,093	29	8,532	265,348
13. Rubber . . . . .	23,755	27,173	6,114	4,166	1,695	787	210	371	64,271
14. Musical instruments . . . . .	1,051	513	98	96	78	..	..	..	1,836
15. Miscellaneous . . . . .	35,719	41,297	2,212	3,857	2,254	423	..	..	85,761
<i>Total, classes 1 to 15</i> . . . . .	<i>1,406,889</i>	<i>1,196,919</i>	<i>257,619</i>	<i>275,475</i>	<i>155,552</i>	<i>89,042</i>	<i>5,379</i>	<i>22,779</i>	<i>3,409,654</i>
16. Heat, light and power . . . . .	378,283	57,536	37,043	20,876	14,757	144,941	1,103	..	654,539
<i>Total, all classes</i> . . . . .	<i>1,785,172</i>	<i>1,254,455</i>	<i>294,662</i>	<i>296,351</i>	<i>170,308</i>	<i>233,983</i>	<i>6,482</i>	<i>22,779</i>	<i>4,064,193</i>

(a) Depreciated or book value at 30 June 1967, including estimated value of rented premises. (b) For full titles see table below. (c) Not available for publication.

**Value of plant and machinery**

**FACTORIES: VALUE OF PLANT AND MACHINERY(a), STATES AND TERRITORIES  
1962-63 TO 1966-67**  
(\$'000)

<i>Year</i>	<i>N.S.W.</i>	<i>Vic.</i>	<i>Qld</i>	<i>S.A.</i>	<i>W.A.</i>	<i>Tas.</i>	<i>N.T.</i>	<i>A.C.T.</i>	<i>Aust.(b)</i>
1962-63 . . . . .	1,438,382	1,003,390	280,585	293,608	132,635	137,933	n.a.	n.a.	3,286,533
1963-64 . . . . .	1,504,195	1,040,724	308,307	330,281	155,514	141,651	n.a.	n.a.	3,480,673
1964-65 . . . . .	1,564,408	1,127,948	350,318	388,932	163,526	155,336	6,103	9,682	3,766,253
1965-66 . . . . .	1,672,719	1,209,046	477,459	423,458	197,210	158,672	5,953	10,134	4,154,652
1966-67 . . . . .	1,837,287	1,361,994	601,393	470,959	250,858	169,159	6,825	10,368	4,708,843

(a) Depreciated or book value at 30 June, including estimated value of rented plant and machinery. (b) Before 1 July 1964, excludes Northern Territory and Australian Capital Territory.

**FACTORIES: VALUE OF PLANT AND MACHINERY(a), BY CLASS OF INDUSTRY  
AUSTRALIA(b), 1962-63 TO 1966-67**  
(\$'000)

<i>Class of industry</i>	<i>1962-63</i>	<i>1963-64</i>	<i>1964-65</i>	<i>1965-66</i>	<i>1966-67</i>
1. Treatment of non-metalliferous mine and quarry products . . . . .	153,657	155,387	171,063	197,365	206,403
2. Bricks, pottery, glass, etc. . . . .	63,409	70,476	76,841	84,789	90,183
3. Chemicals, dyes, explosives, paints, oils, grease . . . . .	424,982	459,429	455,567	521,872	610,518
4. Industrial metals, machines, conveyances . . . . .	1,100,595	1,187,576	1,311,045	1,418,984	1,619,467
5. Precious metals, jewellery, plate . . . . .	3,018	3,454	7,060	7,197	7,632
6. Textiles and textile goods (not dress) . . . . .	104,031	106,160	113,469	121,398	125,448
7. Skins and leather (not clothing or footwear) . . . . .	9,215	9,472	10,206	10,215	10,357
8. Clothing (except knitted) . . . . .	43,006	46,489	51,361	53,749	57,221
9. Food, drink and tobacco . . . . .	362,541	383,922	438,152	499,512	534,232
10. Sawmills, joinery, boxes, etc., wood turning and carving . . . . .	68,924	71,548	75,441	78,321	85,107
11. Furniture of wood, bedding, etc. . . . .	9,964	11,137	12,020	12,902	13,450
12. Paper, stationery, printing, bookbinding, etc. . . . .	199,086	209,705	231,722	256,681	278,596
13. Rubber . . . . .	28,556	36,532	41,208	54,194	60,281
14. Musical instruments . . . . .	643	603	581	658	681
15. Miscellaneous products . . . . .	42,278	46,137	54,444	59,571	64,713
<i>Total, classes 1 to 15</i> . . . . .	<i>2,613,905</i>	<i>2,798,027</i>	<i>3,050,180</i>	<i>3,377,406</i>	<i>3,764,288</i>
16. Heat, light and power . . . . .	672,628	682,646	716,072	777,245	944,555
<i>Total, all classes</i> . . . . .	<i>3,286,533</i>	<i>3,480,673</i>	<i>3,766,253</i>	<i>4,154,652</i>	<i>4,708,843</i>

(a) Depreciated or book value at 30 June, including estimated value of rented plant and machinery. (b) Before 1 July 1964, excludes Northern Territory and Australian Capital Territory.

**FACTORIES: VALUE OF PLANT AND MACHINERY<sup>(a)</sup>, BY CLASS OF INDUSTRY  
STATES AND TERRITORIES, 1966-67**  
(\$'000)

<i>Class of industry<sup>(b)</sup></i>	<i>N.S.W.</i>	<i>Vic.</i>	<i>Qld</i>	<i>S.A.</i>	<i>W.A.</i>	<i>Tas.</i>	<i>N.T.</i>	<i>A.C.T.</i>	<i>Aust.</i>
1. Treatment non-metal. mine, etc., products . . .	94,727	58,136	16,372	18,021	9,215	8,554	361	1,018	206,403
2. Bricks, etc. . . . .	43,110	27,111	6,391	7,569	3,881	885	(c)	(c)	90,183
3. Chemicals, etc. . . . .	272,581	192,686	60,851	34,565	41,123	7,485	(c)	(c)	610,518
4. Industrial metals, etc. . .	733,485	363,346	162,758	230,776	81,544	45,789	1,017	752	1,619,467
5. Jewellery, etc. . . . .	1,715	1,491	242	480	169	38	..	3,497	7,632
6. Textiles, etc. . . . .	39,220	70,230	2,489	4,244	1,197	8,067	..	..	125,448
7. Skins, leather, etc. . . .	4,038	3,495	954	1,313	521	36	..	..	10,357
8. Clothing, etc. . . . .	21,751	25,298	3,965	3,789	1,578	616	32	193	57,221
9. Food, drink, etc. . . . .	123,817	152,184	184,889	30,423	23,439	18,025	836	618	534,232
10. Sawmills, etc. . . . .	29,507	19,219	11,452	9,610	7,457	7,503	175	184	85,107
11. Furniture, etc. . . . .	5,603	3,531	1,802	1,326	812	339	(c)	(c)	13,450
12. Paper, stationery, etc. . .	100,287	86,258	20,397	31,457	14,467	22,951	85	2,692	278,596
13. Rubber . . . . .	23,181	26,759	2,579	5,902	1,400	255	80	126	60,281
14. Musical instruments . . .	471	183	12	9	7	..	..	..	681
15. Miscellaneous . . . . .	23,906	34,664	1,994	2,549	1,233	367	..	..	64,713
<i>Total, classes 1 to 15</i>	<i>1,517,398</i>	<i>1,064,590</i>	<i>477,149</i>	<i>382,033</i>	<i>188,043</i>	<i>120,910</i>	<i>3,797</i>	<i>10,368</i>	<i>3,764,288</i>
16. Heat, light and power	319,889	297,404	124,244	88,926	62,815	48,248	3,028	..	944,555
<b>Total, all classes</b>	<b>1,837,287</b>	<b>1,361,994</b>	<b>601,393</b>	<b>470,959</b>	<b>250,858</b>	<b>169,159</b>	<b>6,825</b>	<b>10,368</b>	<b>4,708,843</b>

(a) Depreciated or book value at 30 June 1967, including estimated value of rented plant and machinery. (b) For full titles, see table on page 1101. (c) Not available for publication.

**Depreciation of land and buildings and plant and machinery**

The following table shows, by class of industry, the allowance made for the depreciation of land and buildings and plant and machinery used in connection with the manufacturing industries in each State and Territory as recorded by factory proprietors at the annual census of factory production.

**FACTORIES: ALLOWANCE FOR DEPRECIATION OF LAND AND BUILDINGS AND  
PLANT AND MACHINERY, BY CLASS OF INDUSTRY  
STATES AND TERRITORIES, 1966-67**  
(\$'000)

<i>Class of industry<sup>(a)</sup></i>	<i>N.S.W.</i>	<i>Vic.</i>	<i>Qld</i>	<i>S.A.</i>	<i>W.A.</i>	<i>Tas.</i>	<i>N.T.</i>	<i>A.C.T.</i>	<i>Aust.</i>
1. Treatment non-metal. mine, etc., products . . .	11,625	9,740	1,855	1,929	1,147	389	50	75	26,810
2. Bricks, etc. . . . .	4,282	3,337	676	977	508	178	(c)	(c)	10,058
3. Chemicals, etc. . . . .	33,073	27,950	4,908	4,196	5,921	1,278	(c)	(c)	77,391
4. Industrial metals, etc. . .	86,489	48,534	7,851	28,608	5,489	3,310	96	74	180,450
5. Jewellery, etc. . . . .	176	156	23	50	20	2	..	200	627
6. Textiles, etc. . . . .	5,505	10,770	464	696	150	939	..	..	18,525
7. Skins, leather, etc. . . .	480	374	97	173	75	3	..	..	1,202
8. Clothing, etc. . . . .	2,245	2,251	308	252	172	69	3	20	5,319
9. Food, drink, etc. . . . .	16,609	19,577	16,222	3,583	3,476	2,178	95	90	61,829
10. Sawmills, etc. . . . .	3,644	2,230	1,346	1,087	819	1,049	11	32	10,217
11. Furniture, etc. . . . .	626	388	201	167	82	33	(c)	(c)	1,504
12. Paper, stationery, etc. . .	11,578	11,423	2,457	2,092	1,203	3,752	12	390	32,908
13. Rubber . . . . .	3,587	3,613	497	669	290	60	13	8	8,737
14. Musical instruments . . .	92	13	1	1	(b)	..	..	..	108
15. Miscellaneous . . . . .	3,657	5,414	251	423	146	10	..	..	9,902
<i>Total, classes 1 to 15</i>	<i>183,668</i>	<i>145,770</i>	<i>37,156</i>	<i>44,903</i>	<i>19,499</i>	<i>13,251</i>	<i>341</i>	<i>999</i>	<i>445,587</i>
16. Heat, light and power	28,038	9,925	7,504	4,847	4,242	2,159	285	..	56,999
<b>Grand total</b>	<b>211,705</b>	<b>155,695</b>	<b>44,660</b>	<b>49,750</b>	<b>23,741</b>	<b>15,410</b>	<b>625</b>	<b>999</b>	<b>502,586</b>

(a) For full titles see table on page 1101. (b) Less than \$500. (c) Not available for publication.

**Land and buildings, plant and machinery—values, additions and replacements, depreciation**

The following table summarises the recorded totals for Australia and also includes particulars of additions and replacements.

**FACTORIES: VALUE OF LAND AND BUILDINGS, PLANT AND MACHINERY  
AUSTRALIA(a), 1962-63 TO 1966-67  
(\$'000)**

Year	Book values at 30 June (b)		Additions and replace- ments during year(b)		Depreciation allowed during year	
	Land and buildings	Plant and machinery	Land and buildings	Plant and machinery	Land and buildings	Plant and machinery
1962-63 . . . . .	3,006,820	3,286,533	191,797	566,066	38,796	304,154
1963-64 . . . . .	3,204,685	3,480,673	192,419	564,958	39,711	336,929
1964-65 . . . . .	3,505,859	3,766,253	249,779	666,490	46,095	366,702
1965-66 . . . . .	3,776,590	4,154,652	272,052	773,322	51,813	407,388
1966-67 . . . . .	4,064,193	4,708,843	287,951	1,032,889	52,440	450,146

(a) Before 1 July 1964, excludes Northern Territory and Australian Capital Territory. (b) Includes estimated value of rented premises, plant and machinery.

**Principal factory products**

The factory production of certain commodities is shown in the monthly and quarterly publications of this Bureau, in the series *Manufacturing Industries*, and in the bulletin *Manufacturing Commodities*, formerly *Secondary Industries, Part II.—Materials Used and Articles Produced in Factories*.

The following table shows the total recorded production of some of the principal articles (i.e. of those for which production can be represented in quantitative terms) manufactured in Australia. A more complete list, together with values, where available, is published in the aforementioned bulletin and in the mimeographed statement *Principal Factory Products*. Because of revisions, figures for some items for the year 1966-67 in the following table may differ from corresponding figures in earlier chapters.

**QUANTITIES OF PRINCIPAL ARTICLES PRODUCED IN FACTORIES: AUSTRALIA(a)  
1963-64 TO 1966-67**

Article	1963-64	1964-65	1965-66	1966-67	
<b>Acid (in terms of 100%)—</b>					
Hydrochloric . . . . .	tons	4,304	4,491	5,447	6,765
Nitric . . . . .	"	19,782	24,817	25,522	31,009
Sulphuric . . . . .	'000 tons	1,447	1,610	1,752	1,998
Aerated and carbonated waters . . . . .	'000 gal	93,304	99,062	105,381	112,937
<b>Air conditioning equipment—</b>					
Room air conditioners (refrigerated) . . . . .	No.	4,511	6,027	18,217	22,217
Room air coolers (evaporative coolers) . . . . .	"	1,896	2,886	6,000	10,414
Package unit air conditioners . . . . .	"	1,830	2,304	2,047	3,491
Asbestos cement building sheets (finished) . . . . .	'000 sq yd	29,778	32,477	32,364	32,609
<b>Bags, leather, fibre, etc.—</b>					
<b>Handbags—</b>					
Leather . . . . .	No.	509,569	529,133	534,121	501,762
Plastic . . . . .	'000	2,065	2,392	2,053	1,938
Other . . . . .	No.	278,359	410,190	393,037	392,798
Hessian and calico bags . . . . .	'000 doz	3,000	3,095	3,601	4,835
Suitcases, kitbags and trunks . . . . .	'000	1,567	1,613	1,657	1,660
All other(b) . . . . .	"	2,037	2,080	1,985	2,048
<b>Bath heaters—</b>					
Electric . . . . .	No.	14,498	14,087	13,524	11,701
Gas . . . . .	"	11,943	11,348	9,971	9,026
Solid fuel . . . . .	"	17,606	16,120	13,963	12,446

(a) Excludes Northern Territory and Australian Capital Territory. (b) Excludes canvas water bags.

QUANTITIES OF PRINCIPAL ARTICLES PRODUCED IN FACTORIES  
 AUSTRALIA(a), 1963-64 TO 1966-67—continued

Article		1963-64	1964-65	1965-66	1966-67
Bathing suits . . . . .	doz	205,945	241,203	270,698	301,723
Baths—					
C.I.P.E. . . . .	No.	77,868	84,852	85,447	74,489
Other . . . . .	„	53,292	67,523	67,068	79,988
Batteries, wet cell type—					
Auto (S.L.I.) 6 volts . . . . .	'000	579	503	470	444
„ „ 12 volts . . . . .	„	1,192	1,257	1,312	1,274
Radio, homelighter, fencer . . . . .	No. of 2 volt cells	190,608	158,381	136,173	110,518
Traction, plant and other . . . . .	„	56,359	63,717	78,066	99,537
Beer (excluding waste beer) . . . . .	'000 gal	262,344	274,895	279,503	293,714
Biscuits . . . . .	'000 lb	197,970	208,945	223,678	230,118
Blankets . . . . .	'000	2,176	2,079	1,701	1,724
Boots and shoes (see Footwear)					
Bran (wheaten) . . . . .	tons (2,000 lb)	252,746	228,746	206,127	202,183
Brandy . . . . .	'000 proof gal	1,220	1,400	1,371	791
Brassieres . . . . .	doz	681,846	673,551	719,739	792,574
Bread (2 lb loaf equivalent) . . . . .	'000	779,458	781,317	787,841	803,639
Breakfast food, cereal (ready to eat) . . . . .	cwt	833,726	878,526	904,040	900,231
Bricks, clay . . . . .	mill.	1,238	1,353	1,360	1,361
Briquettes, brown coal . . . . .	'000 tons	1,883	1,893	1,883	1,820
Butter . . . . .	'000 lb	454,292	454,878	460,433	489,217
Cardigans, sweaters, etc. . . . .	'000 doz	1,327	1,418	1,432	1,436
Cement, Portland . . . . .	'000 tons	3,320	3,746	3,688	3,661
Cheese (green weight) . . . . .	'000 lb	130,405	138,008	131,300	153,834
Cigarettes and cigars . . . . .	„	46,040	49,544	47,543	50,384
Cloth (including mixtures)—					
Cotton(b) . . . . .	'000 sq yd	53,354	56,667	55,701	57,573
Rayon and acetate . . . . .	„	26,798	32,016	32,985	35,692
Synthetic (non-cellulosic) . . . . .	„	19,916	22,491	20,805	23,530
Wool . . . . .	„	34,827	35,300	32,588	30,635
Coke—					
Metallurgical . . . . .	'000 tons	2,915	3,118	3,179	3,365
Other . . . . .	tons	693,361	632,501	599,301	551,326
Concrete, ready mixed . . . . .	'000 cu yd	5,410	6,060	6,603	7,000
Confectionery—					
Chocolate . . . . .	'000 lb	92,714	95,634	104,312	106,822
Other . . . . .	„	100,482	106,274	107,856	111,496
Copper, refined(c) . . . . .	tons	89,222	53,441	91,588	74,284
Coppers (wash boilers)—					
Electric . . . . .	No.	10,412	11,051	9,113	8,011
Gas . . . . .	„	8,255	7,503	5,740	4,949
Inserts . . . . .	„	19,540	18,213	19,074	9,047
Cordials and syrups . . . . .	'000 gal	6,888	7,295	9,144	9,168
Corsets and corselets . . . . .	doz	303,538	342,336	380,835	393,231
Cycles, (complete) . . . . .	No.	62,326	67,874	63,641	69,365
Dentifrices (toothpaste) . . . . .	'000 lb	8,800	9,799	9,774	10,773
Electric generators—					
Non-automatic—Alternating current . . . . .	No.	1,011	1,480	1,676	1,763
Direct current . . . . .	„	1,339	1,139	1,022	708
Electricity . . . . .	mill. kWh	32,519	35,671	38,279	41,587
Electrodes for manual welding . . . . .	'000 lb	44,147	47,654	43,405	45,656
Engines, internal combustion(d) . . . . .	'000	290	292	224	270
Essences, flavouring—					
Domestic . . . . .	gal	127,915	130,532	134,011	100,460
Industrial . . . . .	„	585,015	587,753	599,426	733,289
Face powder . . . . .	lb	282,122	310,586	285,870	287,751
Fans, electric . . . . .	No.	156,836	204,285	223,409	321,600
Fish, canned (including fish loaf) . . . . .	'000 lb	11,149	10,914	11,853	13,724

(a) Excludes Northern Territory and Australian Capital Territory. (b) Excludes travelling and tyre-cord fabric.  
 (c) Primary origin only. (d) Petrol and diesel. Excludes car, motor cycle, truck, tractor, aero, and marine engines.



QUANTITIES OF PRINCIPAL ARTICLES PRODUCED IN FACTORIES  
AUSTRALIA(a), 1963-64 TO 1966-67—continued

Article		1963-64	1964-65	1965-66	1966-67
Floorboards—					
Australian timber . . . . .	'000 super ft	146,148	160,165	162,710	154,286
Imported timber . . . . .	"	665	798	721	324
Floor coverings—					
Soft . . . . .	'000 sq yd	10,297	11,542	11,692	12,624
Smooth surface . . . . .	"	8,191	11,869	14,041	12,150
Underfelts, underlays, etc. . . . .	"	9,662	11,158	11,067	n.a.
Floor polishers, electric . . . . .	No.	92,108	105,077	89,193	88,840
Flour—					
Self-raising . . . . .	'000 cwt	967	902	864	832
Wheaten(b) . . . . .	'000 tons (2,000 lb)	1,672	1,553	1,414	1,392
Footwear (not rubber)—					
Boots, shoes and sandals . . . . .	'000 pairs	28,241	28,607	27,963	29,237
Slippers . . . . .	"	11,388	12,211	11,594	12,228
Fruit juices, natural—					
Single strength . . . . .	'000 gal	8,088	10,106	10,727	13,674
Concentrated(c) . . . . .	"	644	753	815	1,139
Gas (town) . . . . .	mill. cubic ft	53,209	55,260	55,742	56,743
Gloves—					
Dress . . . . .	doz pairs	28,057	28,299	26,163	27,761
Work—					
Sewn(d) . . . . .	'000 doz pairs	379	407	382	358
Dipped . . . . .	"	1,100	1,195	1,309	1,343
Glucose . . . . .	'000 lb	48,638	57,444	60,779	65,422
Golf clubs . . . . .	doz	29,800	28,635	33,145	40,680
Handkerchiefs—					
Men's . . . . .	'000 doz	1,717	2,089	1,901	1,721
Women's . . . . .	"	1,539	1,603	1,507	1,333
Heaters, room—					
Solid fuel . . . . .	No.	38,557	47,883	37,967	31,606
Radiators and electric fires . . . . .	"	579,446	749,889	706,943	600,294
Gas fires and space heaters, domestic . . . . .	"	26,253	30,858	31,186	38,764
Ice . . . . .	tons	221,182	205,545	198,701	192,119
Ice cream . . . . .	'000 gal	22,403	25,019	30,026	34,974
Infants' and invalids' milk-based health beverages(e) . . . . .	'000 lb	44,105	45,179	45,280	49,348
Ink, printing—					
News . . . . .	"	14,673	14,948	14,900	16,190
Other . . . . .	"	13,838	14,545	14,972	15,783
Iron and steel—					
Pig iron . . . . .	'000 tons	3,772	3,936	4,380	4,893
Steel ingots, open hearth and electric . . . . .	"	4,773	5,131	5,561	6,114
Blooms and slabs . . . . .	"	4,068	4,503	4,823	4,978
Irons, electric (hand, domestic) . . . . .	No.	363,617	430,326	450,230	507,882
Jams (including conserves, jellies, etc.) . . . . .	'000 lb	90,462	89,362	97,149	90,761
Lard . . . . .	"	6,526	5,356	5,853	6,670
Lawn mowers—					
Petrol, rotary . . . . .	No.	199,204	201,125	176,396	219,826
Other types(f) . . . . .	"	16,486	10,799	11,403	11,635
Lead refined(g) . . . . .	tons	217,292	199,032	188,197	192,346
Leather—					
Dressed or finished—					
Chrome tanned (including retanned) . . . . .	'000 sq ft	87,474	85,900	83,175	71,850
Vegetable tanned, by weight . . . . .	'000 lb	21,010	19,865	15,326	12,943
Vegetable tanned, by measurement . . . . .	'000 sq ft	5,423	4,036	3,956	3,784
Tanned or dressed skins with hair or wool retained . . . . .	doz	55,973	88,592	117,778	82,018

(a) Excludes Northern Territory and Australian Capital Territory. (b) Includes wheatmeal for baking and sharps.  
(c) Excludes grape must. (d) Excludes fabric liners for dipped gloves but includes moulded or heat sealed work gloves.  
(e) Includes malted milk and milk sugar (lactose). (f) Petrol cylinder, electric and hand. (g) Includes lead content of lead only from primary sources, but excludes lead-silver bullion produced for export.

QUANTITIES OF PRINCIPAL ARTICLES PRODUCED IN FACTORIES  
AUSTRALIA(a), 1963-64 TO 1966-67—continued

Article		1963-64	1964-65	1965-66	1966-67
Lime—					
Crushed . . . . .	tons	180,694	200,040	219,912	249,807
Hydrated . . . . .	"	81,508	89,840	96,566	97,544
Quick . . . . .	"	110,429	133,957	135,311	155,173
Lipstick . . . . .	lb	84,512	65,458	70,104	64,739
Malt (excluding extract) . . . . .	'000 bus	12,127	12,328	13,444	14,239
Margarine—					
Table . . . . .	'000 lb	n.a.	50,937	53,698	48,356
Other . . . . .	"	73,025	69,060	67,884	76,138
Mattresses—					
Box spring . . . . .	No.	46,580	64,699	80,319	100,362
Inner spring . . . . .	"	689,114	727,248	705,702	682,587
Woven wire, link mesh and spring . . . . .	"	462,768	504,377	529,019	584,444
Other . . . . .	"	279,924	294,074	273,040	302,882
Meat, canned(b) . . . . .	'000 lb	99,902	115,578	113,051	108,994
Meters—					
Electric (domestic)(c) . . . . .	No.	254,884	302,532	302,511	296,571
Gas . . . . .	"	53,551	50,010	41,443	37,884
Water . . . . .	"	127,689	127,316	141,042	146,915
Milk, condensed, concentrated and evaporated—					
Full cream, sweetened . . . . .	'000 lb	95,744	102,479	73,985	61,510
Full cream, unsweetened . . . . .	"	71,964	89,390	88,482	91,700
Skim . . . . .	"	25,712	21,936	22,047	24,974
Milk powder—					
Full cream . . . . .	"	42,178	43,669	45,060	48,018
Skim . . . . .	"	92,129	107,823	112,342	188,584
Buttermilk or mixed skim and buttermilk . . . . .	"	21,710	20,885	25,900	32,518
Motors, electric . . . . .	'000	2,223	2,585	2,510	2,667
Motor vehicles, finished—					
Cars . . . . .	No.	240,429	250,477	235,326	238,720
Station wagons . . . . .	"	80,900	83,992	58,334	57,534
Utilities . . . . .	"	28,663	25,661	33,038	33,909
Panel vans . . . . .	"	11,890	12,972	14,427	14,013
Truck and truck-type vehicles . . . . .	"	1,273	1,220	766	768
Motor vehicles, partly finished—					
Cars, station wagons, utilities, vans . . . . .	"	1,935	1,825	1,666	1,381
Trucks and truck-type vehicles . . . . .	"	23,633	27,029	20,874	21,746
Motor vehicle safety belts . . . . .	"	329,780	437,189	426,847	801,448
Nails . . . . .	tons	24,987	26,802	23,414	23,830
Neckties . . . . .	doz	467,557	494,107	496,989	490,845
Oatmeal and rolled oats—					
Kilned, for porridge . . . . .	cwt	294,515	312,143	307,028	335,440
Unkilned . . . . .	"	525,930	544,018	404,360	314,053
Oils, vegetable, crude . . . . .	'000 lb	79,402	87,676	87,898	84,519
Paints, etc.—					
Paints, (not water) and enamels ready for use in paste form . . . . .	'000 gal	15,491	16,260	15,188	16,037
. . . . .	'000 lb	3,191	2,926	3,158	2,589
Lacquers (nitro-cellulose) . . . . .	'000 gal	1,525	1,563	1,437	1,427
Tinting colours, packaged ready for sale . . . . .	"	65	57	54	57
Stains and clear varnishes packaged ready for sale . . . . .	"	888	899	845	913
Water paints—					
Emulsion type . . . . .	"	3,348	3,710	4,321	4,193
In powder form . . . . .	'000 lb	2,423	2,269	1,945	1,935
Thinners . . . . .	'000 gal	3,908	4,163	4,018	4,031
Paper—					
Newsprint . . . . .	tons	92,039	93,142	93,211	97,255
Other . . . . .	"	295,651	341,642	351,303	389,223

(a) Excludes Northern Territory and Australian Capital Territory.  
basis—electricity consumption meters from 1 July 1965.

(b) Excludes poultry and baby food.

(c) New

QUANTITIES OF PRINCIPAL ARTICLES PRODUCED IN FACTORIES  
AUSTRALIA(a), 1963-64 TO 1966-67—continued

Article		1963-64	1964-65	1965-66	1966-67
Paperboard . . . . .	tons	258,374	296,387	317,553	329,496
Perambulators, pushers and strollers . . . . .	No.	147,338	135,621	132,499	133,018
Petrol—					
For blending and refining . . . . .	million gal	45	52	45	1,766
Other (all types) . . . . .	"	1,365	1,495	1,609	
Plaster of paris . . . . .	tons	260,092	277,445	265,553	261,054
Plaster sheets(b) . . . . .	'000 sq yd	15,922	29,937	29,917	30,601
Plywood, $\frac{3}{8}$ inch basis . . . . .	'000 sq ft	216,281	217,059	187,258	200,451
Pollard . . . . .	tons (2,000 lb)	349,095	326,418	303,162	284,628
Preserves—					
Fruit—					
Canned or bottled . . . . .	'000 lb	471,289	513,713	579,619	611,552
Pulp and puree—single strength . . . . .	'000 cwt	83	86	62	51
Vegetables—					
Canned or bottled . . . . .	'000 lb	144,070	152,117	180,098	194,834
Quick frozen . . . . .	"	57,413	77,254	93,885	118,173
Pyjamas—					
Men's and boys' (suits only) . . . . .	doz	422,731	430,589	480,396	422,640
Women's and girls' (incl. nightdresses) . . . . .	"	675,940	711,139	726,711	722,519
Racquet frames (all types) . . . . .	"	14,466	16,190	15,308	16,866
Radio receiving sets (including radiograms) . . . . .	No.	469,025	455,970	392,526	445,766
Records (phonograph)—					
Single play (78 and 45 rpm) . . . . .	'000	3,885	4,198	4,295	4,727
Extended play . . . . .	"	1,121	1,474	1,486	2,103
Long play . . . . .	"	4,078	4,459	5,086	6,714
Refrigerators, domestic . . . . .	No.	203,391	227,728	213,870	232,200
Resins, plastic and synthetic, for all purposes . . . . .	'000 cwt	1,974	2,123	2,433	2,854
Rice, polished, unpolished and broken . . . . .	"	1,596	1,969	2,080	2,373
Ropes and cables (excluding wire) . . . . .	cwt	147,207	140,770	133,355	130,845
Rugs . . . . .	'000	193	201	175	191
Sauce . . . . .	'000 pints	37,385	38,271	46,111	42,213
Semolina . . . . .	tons (2,000 lb)	13,213	16,532	18,744	20,777
Shirts (men's and boys') . . . . .	'000 doz	1,965	2,146	2,266	2,214
Sink heaters, electric . . . . .	No.	11,320	12,155	10,646	10,174
Sinks, pressed steel . . . . .	"	193,453	219,371	220,037	n.a.
Soap, for personal toilet use . . . . .	'000 cwt	428	465	478	483
Socks and stockings—					
Men's and youths' . . . . .	'000 doz pairs	1,628	1,707	1,690	1,815
Women's and maids' . . . . .	"	3,992	4,440	4,563	4,971
Children's and infants' . . . . .	"	937	1,025	903	1,045
Soup—					
Canned . . . . .	'000 pints	55,124	63,077	72,032	78,935
Dry-mix . . . . .	'000 lb	6,805	7,291	8,293	8,837
Starch . . . . .	"	102,132	132,271	145,536	153,457
Stearine (stearic acid) . . . . .	"	9,877	11,538	9,647	10,722
Steel, constructional, fabricated . . . . .	tons	456,045	509,121	542,267	567,342
Stoves, ovens and ranges, domestic cooking—					
Electric(c) . . . . .	No.	166,311	180,541	180,532	192,640
Gas(d) . . . . .	"	77,380	84,503	71,265	75,482
Solid fuel . . . . .	"	28,076	23,612	20,859	18,785
Sugar—					
Raw (94 net titre) . . . . .	'000 tons	1,724	1,950	1,953	2,343
Refined . . . . .	"	576	592	609	613
Sulphate of ammonia . . . . .	tons	85,488	108,275	118,387	111,317
Superphosphate . . . . .	'000 tons	(e) 3,347	(e) 3,703	(f) 4,265	(f) 4,430
Talcum powder . . . . .	'000 lb	7,382	7,835	6,860	7,878

(a) Excludes Northern Territory and Australian Capital Territory. (b) Figures prior to 1964-65 refer only to the production of fibrous plaster sheers. (c) Includes wall ovens but excludes cooking tops and portable units. (d) Upright and elevated (with oven) including wall ovens, but excluding hotplates, stovettes, etc. (e) Source: Department of Primary Industry. Figures from June 1964 to June 1965 include double and triple superphosphate and ammonium phosphate expressed in terms of single phosphate, i.e. 22% P<sub>2</sub>O<sub>5</sub> equivalent. (f) From 1 July 1965 excludes ammonium phosphate.

QUANTITIES OF PRINCIPAL ARTICLES PRODUCED IN FACTORIES  
AUSTRALIA(a), 1963-64 TO 1966-67—continued

Article		1963-64	1964-65	1965-66	1966-67
<b>Tallow (including dripping), rendering—</b>					
Edible . . . . .	'000 lb	172,933	161,967	148,628	150,789
Inedible . . . . .	"	357,507	391,152	343,906	361,588
Television sets . . . . .	No.	270,235	308,737	276,586	254,811
Television picture tubes . . . . .	"	356,990	400,675	361,534	368,517
<b>Tiles, roofing—</b>					
Cement . . . . .	'000	76,543	87,744	82,921	88,509
Terracotta . . . . .	"	53,785	52,984	51,258	47,290
<b>Timber—</b>					
From native logs—					
Hardwood, etc. . . . .	'000 super ft	1,157,176	1,203,705	1,185,831	1,151,369
Softwood . . . . .	"	330,014	329,509	331,708	317,591
From imported logs . . . . .	"	32,967	36,346	27,892	25,771
Toasters, electric (domestic) . . . . .	No.	305,248	321,042	329,626	366,972
Tobacco . . . . .	'000 lb	10,046	8,993	8,407	7,595
Tomato juice . . . . .	'000 gal	1,131	987	1,927	2,627
" paste and puree . . . . .	'000 pints	13,451	16,446	22,428	22,776
" pulp . . . . .	'000 cwt	522	168	133	181
Towels . . . . .	'000 doz	826	895	960	992
Toilet cisterns . . . . .	No.	n.a.	359,944	340,895	352,791
Transformers, chokes and ballasts, for distribution of power and light, etc. . . . .	"	21,592	22,308	19,361	16,823
Tubes, pneumatic(b) . . . . .	'000	3,409	3,651	3,823	4,051
Twine (all types) . . . . .	cwt	184,356	195,461	174,646	248,825
Tyres, pneumatic(b) . . . . .	'000	5,097	5,530	5,613	5,806
<b>Umbrellas, street and general purpose . . . . .</b>	No.	771,597	764,510	716,987	825,032
Underwear (men's, women's, children's) . . . . .	'000 doz	6,017	6,231	6,305	6,179
<b>Vacuum cleaners (domestic) . . . . .</b>	No.	140,708	181,326	181,691	156,307
<b>Wash basins—</b>					
C.I.P.E. . . . .	"	72,744	71,430	64,126	58,040
Earthenware . . . . .	"	113,905	149,257	140,652	146,546
Pressed steel . . . . .	"	45,289	56,126	62,852	78,893
Washing machines, household, electric . . . . .	"	222,070	264,001	240,189	231,601
<b>Weatherboards—</b>					
Australian timber . . . . .	'000 super ft	20,755	20,599	20,307	19,025
Imported timber . . . . .	"	2,740	3,094	2,583	1,857
Wheatmeal for stock feed . . . . .	tons (2,000 lb)	118,347	207,696	284,474	228,872
Wheelbarrows (metal) . . . . .	No.	104,464	111,366	116,838	123,291
<b>Wine, beverage—</b>					
Fortified . . . . .	'000 gal	10,825	11,137	9,678	12,401
Unfortified . . . . .	"	7,874	8,697	8,663	12,020
Wood pulp . . . . .	tons	286,008	317,435	330,625	357,665
Wool, scoured or carbonised . . . . .	'000 lb	160,906	158,832	156,113	154,119
Wool tops, pure . . . . .	"	51,140	45,835	45,798	44,535
<b>Yarn (including mixtures)—</b>					
Cotton . . . . .	"	55,387	59,092	59,021	60,792
Woollen . . . . .	"	28,380	30,647	30,534	32,641
Wool worsted . . . . .	"	23,826	23,532	21,519	18,780
Rayon and acetate, spun . . . . .	"	4,583	6,218	5,970	6,771
Synthetic (non-cellulosic) fibres spun . . . . .	"	5,083	6,387	6,720	8,843
<b>Zinc, refined(c) . . . . .</b>	tons	186,389	189,395	196,534	197,030

(a) Excludes Northern Territory and Australian Capital Territory.

(b) Excludes bicycle and 'other'.

(c) Primary

origin only—includes small quantities of zinc dust.

### Individual industries

Particulars on pages 1078-1102 afford a general view of the magnitude of industries in the sixteen groups adopted by the Conference of Statisticians in 1930. While it is not possible within the limits of this publication to give a detailed account of each industry, particular industries dealt with hereunder are of special importance because of the employment which they provide for labour or capital, or for other features of special interest. Details for individual States are available from publications issued by the Deputy Commonwealth Statistician in each State and, for selected industries, in the Central Office series *Manufacturing Industries*.

#### PORTLAND CEMENT, ASBESTOS CEMENT SHEETS, ETC., AND OTHER CEMENT GOODS: AUSTRALIA, 1966-67

	Portland cement	Asbestos cement sheets and mouldings	Other cement goods	Total
Number of factories . . . . .	17	15	770	802
Number of persons employed . . . . .	3,471	2,980	9,032	15,483
Salaries and wages paid . . . . . \$'000	11,058	9,177	27,497	47,732
Value of power, fuel, etc., used . . . . .	12,095	1,224	1,718	15,037
Value of materials used . . . . .	21,426	15,188	99,357	135,971
Value of production . . . . .	36,162	20,557	62,809	119,527
Total value of output . . . . .	69,682	36,969	163,884	270,535
Value of land and buildings . . . . .	16,751	9,460	22,860	49,071
Value of plant and machinery . . . . .	81,739	9,815	25,916	117,469
Horsepower of engines ordinarily in use . . . . .	161,930	27,720	45,959	235,609

#### PORTLAND CEMENT, ASBESTOS CEMENT SHEETS, ETC., AND OTHER CEMENT GOODS: AUSTRALIA(a), 1962-63 TO 1966-67

	1962-63	1963-64	1964-65	1965-66	1966-67
Number of factories . . . . .	640	669	702	761	802
Number of persons employed . . . . .	13,601	14,230	15,070	15,327	15,483
Salaries and wages paid . . . . . \$'000	33,202	37,050	42,339	44,541	47,732
Value of power, fuel, etc., used . . . . .	12,864	13,689	15,631	15,156	15,037
Value of materials used . . . . .	89,399	103,035	120,439	129,821	135,971
Value of production . . . . .	79,274	91,570	103,887	106,460	119,527
Total value of output . . . . .	181,537	208,294	239,957	251,437	270,535
Value of land and buildings . . . . .	34,019	37,465	40,555	45,648	49,071
Value of plant and machinery . . . . .	74,230	76,667	87,093	103,212	117,469
Horsepower of engines ordinarily in use . . . . .	162,239	170,763	206,585	218,387	235,609

(a) Before 1 July 1964, excludes Northern Territory and Australian Capital Territory.

#### BRICKS, TILES, POTTERY AND EARTHENWARE: AUSTRALIA(a), 1962-63 TO 1966-67

	1962-63	1963-64	1964-65	1965-66	1966-67
Number of factories . . . . .	419	412	406	393	388
Number of persons employed . . . . .	14,496	15,132	15,467	15,636	15,290
Salaries and wages paid . . . . . \$'000	33,076	36,416	40,544	41,317	43,347
Value of power, fuel, etc., used . . . . .	11,625	13,240	14,092	14,152	14,635
Value of materials used . . . . .	17,796	21,931	26,089	27,111	28,647
Value of production . . . . .	54,977	65,622	77,607	77,217	83,133
Total value of output . . . . .	84,399	100,792	117,788	118,481	126,415
Value of land and buildings . . . . .	31,474	35,675	38,738	41,375	44,105
Value of plant and machinery . . . . .	41,964	49,165	55,320	59,146	62,929
Horsepower of engines ordinarily in use . . . . .	118,673	127,124	137,727	147,103	149,017

(a) Before 1 July 1964, excludes Northern Territory and Australian Capital Territory.

## MANUFACTURING INDUSTRY

## GLASS AND GLASS BOTTLES: AUSTRALIA(a), 1962-63 TO 1966-67

	1962-63	1963-64	1964-65	1965-66	1966-67
Number of factories . . . . .	255	263	268	271	274
Number of persons employed . . . . .	10,510	10,382	11,391	11,402	11,530
Salaries and wages paid . . . . . \$'000	23,171	24,231	28,695	30,220	33,510
Value of power, fuel, etc., used . . . . .	5,575	6,485	6,425	6,155	6,465
Value of materials used . . . . .	35,922	37,259	42,779	41,717	45,996
Value of production . . . . .	44,479	47,454	53,704	57,636	62,401
Total value of output . . . . .	85,976	91,197	102,908	105,508	114,862
Value of land and buildings . . . . .	31,354	32,567	34,480	37,761	42,411
Value of plant and machinery . . . . .	21,388	21,256	21,472	25,604	27,221
Horsepower of engines ordinarily in use . . . . .	40,627	41,527	41,849	46,320	50,573

(a) Before 1 July 1964, excludes Northern Territory and Australian Capital Territory.

In order to avoid the publication of confidential information, particulars relating to industrial and heavy chemicals include details for the explosives industry.

INDUSTRIAL AND HEAVY CHEMICALS AND ACIDS (INCLUDING EXPLOSIVES)  
AUSTRALIA(a), 1962-63 TO 1966-67

	1962-63	1963-64	1964-65	1965-66	1966-67
Number of factories . . . . .	320	325	323	326	334
Number of persons employed . . . . .	14,165	15,075	16,511	16,668	17,505
Salaries and wages paid . . . . . \$'000	37,567	42,158	49,876	52,179	60,063
Value of power, fuel, etc., used . . . . .	13,304	15,627	18,249	17,847	20,698
Value of materials used . . . . .	117,449	133,473	157,975	166,441	193,730
Value of production . . . . .	111,600	125,599	146,062	150,135	168,307
Total value of output . . . . .	242,353	274,698	322,286	334,423	382,736
Value of land and buildings . . . . .	68,673	75,208	78,090	84,336	90,751
Value of plant and machinery . . . . .	136,126	151,235	160,853	174,484	218,387
Horsepower of engines ordinarily in use . . . . .	174,380	205,235	225,599	257,132	301,984

(a) Before 1 July 1964, excludes Northern Territory and Australian Capital Territory.

PHARMACEUTICAL AND TOILET PREPARATIONS: AUSTRALIA(a)  
1962-63 TO 1966-67

	1962-63	1963-64	1964-65	1965-66	1966-67
Number of factories . . . . .	209	213	230	236	227
Number of persons employed . . . . .	8,058	8,173	8,818	9,342	9,782
Salaries and wages paid . . . . . \$'000	16,940	16,904	19,492	21,667	24,251
Value of power, fuel, etc., used . . . . .	1,850	1,070	1,228	1,411	1,586
Value of materials used . . . . .	55,176	56,454	64,061	68,577	75,843
Value of production . . . . .	63,996	73,418	84,588	88,243	103,568
Total value of output . . . . .	121,022	130,943	149,877	158,231	180,997
Value of land and buildings . . . . .	34,175	37,474	39,739	43,294	45,333
Value of plant and machinery . . . . .	12,639	13,440	14,283	16,806	18,145
Horsepower of engines ordinarily in use . . . . .	22,772	21,808	24,873	27,396	28,366

(a) Before 1 July 1964, excludes Northern Territory and Australian Capital Territory.

## WHITE LEAD, PAINTS AND VARNISH: AUSTRALIA(a), 1962-63 TO 1966-67

	1962-63	1963-64	1964-65	1965-66	1966-67
Number of factories . . . . .	184	184	196	197	208
Number of persons employed . . . . .	5,144	5,356	5,605	5,665	5,789
Salaries and wages paid . . . . . \$'000	11,659	12,845	14,297	15,153	16,425
Value of power, fuel, etc., used . . . . .	873	876	959	969	1,049
Value of materials used . . . . .	57,463	62,494	66,495	64,914	67,187
Value of production . . . . .	34,634	36,674	40,196	40,605	44,107
Total value of output . . . . .	92,971	100,044	107,650	106,487	112,342
Value of land and buildings . . . . .	16,800	17,888	19,495	19,550	21,976
Value of plant and machinery . . . . .	10,785	10,438	10,957	10,668	11,078
Horsepower of engines ordinarily in use . . . . .	29,162	32,695	33,816	35,483	36,419

(a) Before 1 July 1964, excludes Northern Territory and Australian Capital Territory.

## MINERAL OILS: AUSTRALIA(a), 1962-63 TO 1966-67

	1962-63	1963-64	1964-65	1965-66	1966-67
Number of factories . . . . .	79	82	85	87	89
Number of persons employed . . . . .	5,044	5,159	5,408	5,775	5,779
Salaries and wages paid . . . . . \$'000	15,490	17,066	18,610	21,171	23,281
Value of power, fuel, etc., used . . . . .	17,590	20,906	23,319	24,977	26,920
Value of materials used . . . . .	287,008	297,591	314,040	325,230	355,694
Value of production . . . . .	95,572	97,628	107,285	132,262	157,533
Total value of output . . . . .	400,170	416,125	444,644	482,469	540,147
Value of land and buildings . . . . .	40,244	42,606	42,705	45,596	46,806
Value of plant and machinery . . . . .	218,387	232,193	215,046	250,672	282,171
Horsepower of engines ordinarily in use . . . . .	183,935	203,325	215,339	263,226	284,997

(a) Before 1 July 1964, excludes Northern Territory and Australian Capital Territory.

## SOAP AND CANDLES: AUSTRALIA(a), 1962-63 TO 1966-67

	1962-63	1963-64	1964-65	1965-66	1966-67
Number of factories . . . . .	117	122	118	124	138
Number of persons employed . . . . .	3,340	3,232	3,130	3,196	3,384
Salaries and wages paid . . . . . \$'000	7,542	7,679	8,265	8,596	9,741
Value of power, fuel, etc., used . . . . .	838	832	902	844	845
Value of materials used . . . . .	32,876	34,956	38,600	43,124	44,368
Value of production . . . . .	32,754	34,610	38,205	41,389	60,770
Total value of output . . . . .	66,467	70,398	77,707	85,357	105,983
Value of land and buildings . . . . .	5,964	6,546	8,373	8,853	9,157
Value of plant and machinery . . . . .	6,437	6,824	7,054	8,732	9,453
Horsepower of engines ordinarily in use . . . . .	16,256	16,812	17,058	15,948	17,875

(a) Before 1 July 1964, excludes Northern Territory and Australian Capital Territory.

## CHEMICAL FERTILISERS: AUSTRALIA(a), 1962-63 TO 1966-67

	1962-63	1963-64	1964-65	1965-66	1966-67
Number of factories . . . . .	48	48	48	48	48
Number of persons employed . . . . .	4,432	4,476	4,633	4,802	4,741
Salaries and wages paid . . . . . \$'000	11,016	11,842	13,415	15,101	15,778
Value of power, fuel, etc., used . . . . .	1,840	2,022	2,395	2,959	3,004
Value of materials used . . . . .	59,360	65,699	77,860	93,969	113,155
Value of production . . . . .	24,918	26,059	31,111	31,435	44,274
Total value of output . . . . .	86,117	93,780	111,366	128,363	160,433
Value of land and buildings . . . . .	12,712	14,412	16,238	16,525	19,639
Value of plant and machinery . . . . .	18,761	20,739	27,167	37,618	46,997
Horsepower of engines ordinarily in use . . . . .	59,188	68,689	74,467	91,221	85,231

(a) Before 1 July 1964, excludes Northern Territory and Australian Capital Territory.

**SMELTING, CONVERTING, REFINING, AND ROLLING OF IRON AND STEEL  
AUSTRALIA(a), 1962-63 TO 1966-67**

	1962-63	1963-64	1964-65	1965-66	1966-67
Number of factories . . . . .	33	30	31	32	33
Number of persons employed . . . . .	35,605	37,094	38,469	39,146	39,014
Salaries and wages paid . . . . . \$'000	95,090	120,041	115,917	121,972	126,708
Value of power, fuel, etc., used . . . . .	73,547	78,955	84,413	90,637	102,971
Value of materials used . . . . .	368,873	390,414	426,217	422,786	437,095
Value of production . . . . .	216,504	231,902	266,937	249,795	289,446
Total value of output . . . . .	658,924	701,271	777,567	763,218	829,511
Value of land and buildings . . . . .	78,759	83,708	87,252	88,387	89,956
Value of plant and machinery . . . . .	389,806	410,432	440,909	482,284	524,513
Horsepower of engines ordinarily in use . . . . .	872,050	943,974	1,019,335	1,075,145	1,139,234

(a) Before 1 July 1964, excludes Northern Territory and Australian Capital Territory.

**FOUNDRIES—FERROUS: AUSTRALIA(a), 1962-63 TO 1966-67**

	1962-63 (b)	1963-64	1964-65	1965-66	1966-67
Number of factories . . . . .	231	230	228	224	211
Number of persons employed . . . . .	7,711	8,152	8,749	8,855	8,411
Salaries and wages paid . . . . . \$'000	17,940	19,942	24,338	25,069	24,931
Value of power, fuel, etc., used . . . . .	2,320	2,482	2,856	2,931	2,835
Value of materials used . . . . .	17,955	20,069	23,943	23,445	25,991
Value of production . . . . .	24,972	29,478	36,545	38,014	36,414
Total value of output . . . . .	45,247	52,029	63,344	64,390	65,241
Value of land and buildings . . . . .	10,949	12,652	13,032	12,650	13,512
Value of plant and machinery . . . . .	7,460	8,574	9,124	10,076	12,084
Horsepower of engines ordinarily in use . . . . .	32,752	34,581	34,711	34,919	36,233

(a) Before 1 July 1964, excludes Northern Territory and Australian Capital Territory.

(b) Excludes Tasmania. See Other engineering, page 1113.

**PLANT, EQUIPMENT AND MACHINERY (INCLUDING MACHINE TOOLS)  
AUSTRALIA(a), 1962-63 TO 1966-67**

	1962-63 (b)	1963-64	1964-65	1965-66	1966-67
Number of factories . . . . .	2,857	3,027	3,294	3,474	3,687
Number of persons employed . . . . .	80,758	87,277	94,980	100,967	101,152
Salaries and wages paid . . . . . \$'000	186,292	212,937	252,401	276,896	293,871
Value of power, fuel, etc., used . . . . .	8,230	9,102	10,071	10,511	10,888
Value of materials used . . . . .	334,717	389,996	449,151	480,040	495,160
Value of production . . . . .	311,341	357,982	425,060	459,327	502,002
Total value of output . . . . .	654,287	757,080	884,282	949,877	1,008,050
Value of land and buildings . . . . .	162,815	178,429	199,184	221,370	245,733
Value of plant and machinery . . . . .	98,263	105,786	120,380	129,838	139,993
Horsepower of engines ordinarily in use . . . . .	303,606	321,550	332,041	365,776	381,342

(a) Before 1 July 1964, excludes Northern Territory and Australian Capital Territory.

(b) Includes agricultural machines and implements, Tasmania.



## OTHER ENGINEERING(a): AUSTRALIA(b), 1962-63 TO 1966-67

	1962-63 (c)	1963-64	1964-65	1965-66	1966-67
Number of factories . . . . .	2,472	2,449	2,514	2,597	2,665
Number of persons employed . . . . .	28,997	30,044	31,759	32,823	33,850
Salaries and wages paid . . . . . \$'000	63,465	69,093	78,649	84,632	92,442
Value of power, fuel, etc., used . . . . .	2,498	2,667	2,966	3,032	3,347
Value of materials used . . . . .	82,198	91,145	104,778	109,007	114,973
Value of production . . . . .	104,438	112,492	129,498	139,533	153,459
Total value of output . . . . .	189,134	206,304	237,241	251,573	271,779
Value of land and buildings . . . . .	56,375	58,584	64,014	69,998	79,778
Value of plant and machinery . . . . .	36,600	40,194	43,800	47,871	58,889
Horsepower of engines ordinarily in use . . . . .	107,735	114,317	122,086	132,552	153,257

(a) Jobbing and general engineering works, n.e.i. (b) Before 1 July 1964, excludes Northern Territory and Australian Capital Territory. (c) Includes Foundries—ferrous, Tasmania.

The following table shows particulars of establishments engaged in metal extraction and ore reduction including secondary recovery of metals, but excluding blast furnaces engaged in production of pig iron from iron ore. Ore dressing and elementary smelting of metallic minerals (e.g. in the case of gold), when these are carried out in an associated plant at or near the mine, are included in the mineral industry (see the chapter Mineral Industry).

EXTRACTING AND REFINING OF NON-FERROUS METALS; ALLOYS  
AUSTRALIA(a), 1962-63 TO 1966-67

	1962-63	1963-64	1964-65	1965-66	1966-67
Number of factories . . . . .	64	68	70	74	77
Number of persons employed . . . . .	8,277	8,960	8,990	9,349	9,966
Salaries and wages paid . . . . . \$'000	22,905	25,996	28,722	31,289	34,778
Value of power, fuel, etc., used . . . . .	13,331	17,840	19,643	21,277	24,451
Value of materials used . . . . .	185,661	235,481	274,354	320,380	324,231
Value of production . . . . .	52,090	62,349	76,960	103,397	117,519
Total value of output . . . . .	251,082	315,670	370,957	445,054	465,901
Value of land and buildings . . . . .	28,051	37,881	40,538	41,477	55,507
Value of plant and machinery . . . . .	79,506	100,851	107,294	110,421	225,256
Horsepower of engines ordinarily in use . . . . .	93,482	118,723	121,473	122,444	172,426

(a) Before 1 July 1964, excludes Northern Territory and Australian Capital Territory.

ELECTRICAL MACHINERY, CABLES AND APPARATUS  
AUSTRALIA(a), 1962-63 TO 1966-67

	1962-63	1963-64	1964-65	1965-66	1966-67
Number of factories . . . . .	1,404	1,438	1,517	1,614	1,713
Number of persons employed . . . . .	55,692	59,416	65,233	67,582	70,480
Salaries and wages paid . . . . . \$'000	123,113	135,806	159,359	174,616	189,970
Value of power, fuel, etc., used . . . . .	6,153	6,841	7,473	7,550	8,227
Value of materials used . . . . .	232,140	263,668	321,409	332,239	366,486
Value of production . . . . .	201,809	229,536	260,268	298,176	324,254
Total value of output . . . . .	440,103	500,045	589,151	637,966	698,966
Value of land and buildings . . . . .	103,325	110,908	124,575	131,455	147,874
Value of plant and machinery . . . . .	57,486	62,233	68,796	75,592	79,580
Horsepower of engines ordinarily in use . . . . .	134,043	142,213	153,438	158,915	169,999

(a) Before 1 July 1964, excludes Northern Territory and Australian Capital Territory.

The railway and tramway workshops, which form an important part of Class 4, are owned chiefly by State governments and local authorities. *Workshops (thirteen in 1966-67) controlled by non-public bodies are not included in the figures below.*

**TRAMCARS AND RAILWAY ROLLING STOCK(a)**  
**AUSTRALIA(b), 1962-63 TO 1966-67**

	1962-63	1963-64	1964-65	1965-66	1966-67
Number of factories . . . . .	122	119	120	120	120
Number of persons employed . . . . .	34,653	33,689	32,215	31,534	30,703
Salaries and wages paid . . . . . \$'000	70,663	73,267	75,783	77,405	81,290
Value of power, fuel, etc., used . . . . .	2,144	2,162	2,089	2,141	2,054
Value of materials used . . . . .	39,371	39,622	40,785	44,280	46,522
Value of production . . . . .	85,495	92,435	91,899	94,815	100,003
Total value of output . . . . .	127,009	134,219	134,773	141,236	148,578
Value of land and buildings . . . . .	29,357	29,372	29,353	30,254	30,497
Value of plant and machinery . . . . .	37,166	38,456	39,704	39,509	39,907
Horsepower of engines ordinarily in use . . . . .	116,027	114,456	116,445	116,701	112,964

(a) Government and local authority only. (b) Before 1 July 1964, excludes Northern Territory and Australian Capital Territory.

**MOTOR VEHICLES—CONSTRUCTION, ASSEMBLY, REPAIRS, ETC.**  
**AUSTRALIA, 1966-67**

	Con- struction and assembly	Repairs	Motor bodies (a)	Motor acces- sories	Total
Number of factories . . . . .	51	12,079	2,733	364	15,227
Number of persons employed . . . . .	24,807	73,880	38,202	19,113	156,002
Salaries and wages paid . . . . . \$'000	74,407	157,414	100,499	52,474	384,794
Value of power, fuel, etc., used . . . . .	5,766	4,851	4,181	3,319	18,117
Value of materials used . . . . .	154,856	174,603	242,299	89,186	660,944
Value of production . . . . .	119,999	250,405	161,797	86,184	618,385
Total value of output . . . . .	280,620	429,860	408,277	178,688	1,297,446
Value of land and buildings . . . . .	90,998	230,718	110,337	42,713	474,766
Value of plant and machinery . . . . .	76,572	34,845	77,721	41,104	230,241
Horsepower of engines ordinarily in use . . . . .	112,841	91,182	114,276	76,305	394,604

(a) Includes motor body repairing, panel beating, duco spraying, etc.

**MOTOR VEHICLES—CONSTRUCTION, ASSEMBLY, REPAIRS, ETC.**  
**AUSTRALIA(a), 1962-63 TO 1966-67**

	1962-63	1963-64	1964-65	1965-66	1966-67
Number of factories . . . . .	13,623	13,866	14,466	14,857	15,227
Number of persons employed . . . . .	135,579	143,657	152,477	153,542	156,002
Salaries and wages paid . . . . . \$'000	281,091	309,204	350,388	356,558	384,794
Value of power, fuel, etc., used . . . . .	13,783	15,187	16,547	16,864	18,117
Value of materials used . . . . .	491,384	568,697	606,172	620,557	660,944
Value of production . . . . .	448,107	494,412	548,985	577,335	618,385
Total value of output . . . . .	953,273	1,078,296	1,171,704	1,214,757	1,297,446
Value of land and buildings . . . . .	321,872	352,610	413,075	450,030	474,766
Value of plant and machinery . . . . .	158,471	172,256	204,133	223,810	230,241
Horsepower of engines ordinarily in use . . . . .	310,518	325,925	359,693	392,829	394,604

(a) Before 1 July 1964, excludes Northern Territory and Australian Capital Territory.

The table below includes government factories as well as those owned privately and by municipal authorities.

**SHIP AND BOAT BUILDING AND REPAIRING, MARINE ENGINEERING  
AUSTRALIA(a), 1962-63 TO 1966-67**

	1962-63	1963-64	1964-65	1965-66	1966-67
Number of factories . . . . .	335	346	378	379	388
Number of persons employed . . . . .	14,218	14,253	14,439	15,299	16,809
Salaries and wages paid . . . . . \$'000	33,366	35,043	37,952	43,865	50,062
Value of power, fuel, etc., used . . . . .	873	901	949	1,092	1,116
Value of materials used . . . . .	28,106	31,645	28,169	31,446	50,523
Value of production . . . . .	40,397	40,272	44,640	52,237	64,364
Total value of output . . . . .	69,375	72,817	73,758	84,774	116,002
Value of land and buildings . . . . .	13,308	13,865	15,288	18,199	20,219
Value of plant and machinery . . . . .	11,258	11,745	13,324	15,914	17,641
Horsepower of engines ordinarily in use . . . . .	77,691	81,291	82,891	86,120	88,067

(a) Before 1 July 1964, excludes Northern Territory and Australian Capital Territory.

**AGRICULTURAL MACHINES AND IMPLEMENTS  
AUSTRALIA(a), 1962-63 TO 1966-67**

	1962-63 (b)	1963-64	1964-65	1965-66	1966-67
Number of factories . . . . .	531	556	615	671	725
Number of persons employed . . . . .	11,785	13,818	15,582	15,069	15,280
Salaries and wages paid . . . . . \$'000	25,610	33,117	39,347	37,316	41,867
Value of power, fuel, etc., used . . . . .	1,633	1,940	2,150	1,825	1,917
Value of materials used . . . . .	38,912	51,440	56,044	47,228	62,832
Value of production . . . . .	39,632	49,702	59,172	56,027	69,753
Total value of output . . . . .	80,177	103,082	117,366	105,080	134,502
Value of land and buildings . . . . .	20,132	23,064	26,783	29,071	30,533
Value of plant and machinery . . . . .	11,441	13,245	15,203	17,126	18,120
Horsepower of engines ordinarily in use . . . . .	43,226	46,606	47,125	51,642	53,020

(a) Before 1 July 1964, excludes Northern Territory and Australian Capital Territory. (b) Excludes Tasmania. See Plant, equipment and machinery (including machine tools), page 1112.

**NON-FERROUS METALS—ROLLING AND EXTRUSION  
AUSTRALIA(a), 1962-63 TO 1966-67**

	1962-63	1963-64	1964-65	1965-66	1966-67
Number of factories . . . . .	30	30	26	28	30
Number of persons employed . . . . .	6,751	6,983	7,420	7,362	7,773
Salaries and wages paid . . . . . \$'000	17,850	20,293	22,318	23,322	25,583
Value of power, fuel, etc., used . . . . .	3,162	3,689	4,089	4,401	4,611
Value of materials used . . . . .	86,981	104,550	145,175	150,456	166,273
Value of production . . . . .	35,734	41,399	45,021	56,567	56,407
Total value of output . . . . .	125,878	149,637	194,285	211,424	227,291
Value of land and buildings . . . . .	20,022	21,531	24,035	24,468	25,278
Value of plant and machinery . . . . .	39,739	45,932	61,413	63,622	64,083
Horsepower of engines ordinarily in use . . . . .	90,942	132,763	131,979	139,714	146,286

(a) Before 1 July 1964, excludes Northern Territory and Australian Capital Territory.

## NON-FERROUS METALS—FOUNDING, CASTING, ETC.: AUSTRALIA(a), 1962-63 TO 1966-67

	1962-63	1963-64	1964-65	1965-66	1966-67
Number of factories . . . . .	462	461	473	482	479
Number of persons employed . . . . .	10,467	11,180	12,264	12,070	12,276
Salaries and wages paid . . . . . \$'000	22,613	25,389	30,175	30,189	32,268
Value of power, fuel, etc., used . . . . .	1,964	2,100	2,363	2,234	2,395
Value of materials used . . . . .	46,702	53,556	65,581	64,246	66,481
Value of production . . . . .	40,913	49,276	58,727	57,231	63,389
Total value of output . . . . .	89,579	104,932	126,671	123,710	132,266
Value of land and buildings . . . . .	19,654	21,150	24,104	25,679	28,399
Value of plant and machinery . . . . .	14,617	15,163	16,001	18,763	19,804
Horsepower of engines ordinarily in use . . . . .	36,561	38,729	41,295	44,300	46,528

(a) Before 1 July 1964, excludes Northern Territory and Australian Capital Territory.

## SHEET METAL WORKING, PRESSING AND STAMPING: AUSTRALIA(a), 1962-63 TO 1966-67

	1962-63	1963-64	1964-65	1965-66	1966-67
Number of factories . . . . .	1,156	1,181	1,232	1,254	1,270
Number of persons employed . . . . .	27,924	29,551	31,444	32,962	33,243
Salaries and wages paid . . . . . \$'000	59,854	66,877	76,289	83,550	89,026
Value of power, fuel, etc., used . . . . .	3,543	3,718	4,040	4,281	4,398
Value of materials used . . . . .	139,767	156,346	185,318	193,094	208,368
Value of production . . . . .	113,707	123,360	139,261	148,347	165,125
Total value of output . . . . .	257,017	283,425	328,619	345,722	377,891
Value of land and buildings . . . . .	59,812	65,804	69,981	74,650	79,793
Value of plant and machinery . . . . .	40,461	44,779	46,213	50,356	51,158
Horsepower of engines ordinarily in use . . . . .	84,487	89,116	94,436	101,694	106,402

(a) Before 1 July 1964, excludes Northern Territory and Australian Capital Territory.

## PIPES, TUBES AND FITTINGS—FERROUS: AUSTRALIA(a), 1962-63 TO 1966-67

	1962-63	1963-64	1964-65	1965-66	1966-67
Number of factories . . . . .	58	58	56	58	61
Number of persons employed . . . . .	8,784	9,138	9,627	9,630	9,611
Salaries and wages paid . . . . . \$'000	22,394	24,495	28,329	28,950	30,812
Value of power, fuel, etc., used . . . . .	3,213	3,425	3,315	3,228	3,311
Value of materials used . . . . .	54,775	60,047	71,829	67,589	75,073
Value of production . . . . .	38,751	45,258	54,241	53,865	59,323
Total value of output . . . . .	96,738	108,730	129,384	124,682	137,707
Value of land and buildings . . . . .	17,593	17,921	17,697	18,330	19,209
Value of plant and machinery . . . . .	19,579	22,330	21,114	20,851	22,152
Horsepower of engines ordinarily in use . . . . .	56,219	60,447	67,991	67,410	76,522

(a) Before 1 July 1964, excludes Northern Territory and Australian Capital Territory.

## WIRE AND WIRE WORKING (INCLUDING NAILS): AUSTRALIA(a), 1962-63 TO 1966-67

	1962-63	1963-64	1964-65	1965-66	1966-67
Number of factories . . . . .	289	298	305	313	317
Number of persons employed . . . . .	10,377	10,433	10,776	10,901	11,037
Salaries and wages paid . . . . . \$'000	23,820	24,959	27,599	28,045	30,918
Value of power, fuel, etc., used . . . . .	1,888	2,033	2,131	2,132	2,391
Value of materials used . . . . .	80,581	92,097	102,344	95,994	107,952
Value of production . . . . .	43,909	46,710	53,102	53,799	59,053
Total value of output . . . . .	126,379	140,840	157,577	151,924	169,395
Value of land and buildings . . . . .	21,200	21,743	24,365	28,858	31,744
Value of plant and machinery . . . . .	16,168	15,770	17,384	20,634	22,619
Horsepower of engines ordinarily in use . . . . .	43,818	42,624	44,154	51,303	52,789

(a) Before 1 July 1964, excludes Northern Territory and Australian Capital Territory.

## WIRELESS AND AMPLIFYING APPARATUS: AUSTRALIA(a), 1962-63 TO 1966-67

	1962-63	1963-64	1964-65	1965-66	1966-67
Number of factories . . . . .	330	355	391	406	416
Number of persons employed . . . . .	16,586	16,907	18,359	17,683	18,167
Salaries and wages paid . . . . . \$'000	33,240	35,772	40,265	39,812	43,351
Value of power, fuel, etc., used . . . . .	1,315	1,321	1,355	1,388	1,470
Value of materials used . . . . .	78,940	78,847	84,546	78,849	82,309
Value of production . . . . .	54,437	56,834	63,333	65,150	69,183
Total value of output . . . . .	134,692	137,002	149,233	145,387	152,962
Value of land and buildings . . . . .	24,104	23,883	25,865	28,000	32,159
Value of plant and machinery . . . . .	13,266	12,888	12,854	13,027	14,880
Horsepower of engines ordinarily in use . . . . .	15,216	14,720	15,316	16,038	16,825

(a) Before 1 July 1964, excludes Northern Territory and Australian Capital Territory.

The growing of cotton is treated in some detail in the chapter Rural Industry. The production of raw cotton is supplemented by imports from overseas, chiefly (in 1966-67) from the United States of America, Uganda, Mexico, Brazil, Pakistan, and Peru.

## COTTON SPINNING AND WEAVING: AUSTRALIA(a), 1962-63 TO 1966-67

	1962-63	1963-64	1964-65	1965-66	1966-67
Number of factories . . . . .	88	85	80	78	70
Number of persons employed . . . . .	9,313	9,869	10,270	10,110	9,744
Salaries and wages paid . . . . . \$'000	17,262	19,187	21,447	22,060	22,996
Value of power, fuel, etc., used . . . . .	2,267	2,549	2,545	2,622	2,604
Value of materials used . . . . .	41,635	46,619	48,512	47,840	51,199
Value of production . . . . .	33,521	38,193	42,554	43,401	47,193
Total value of output . . . . .	77,423	87,362	93,611	93,863	100,996
Value of land and buildings . . . . .	28,860	32,264	29,966	24,424	25,534
Value of plant and machinery . . . . .	24,382	24,402	23,434	22,776	22,607
Horsepower of engines ordinarily in use . . . . .	41,581	43,752	42,422	42,007	42,370

(a) Before 1 July 1964, excludes Northern Territory and Australian Capital Territory.

## WOOL CARDING, SPINNING AND WEAVING: AUSTRALIA(a), 1962-63 TO 1966-67

	1962-63	1963-64	1964-65	1965-66	1966-67
Number of factories . . . . .	134	129	131	124	118
Number of persons employed . . . . .	21,131	20,061	20,397	19,642	18,337
Salaries and wages paid . . . . . \$'000	36,461	35,477	38,778	38,289	38,160
Value of power, fuel, etc., used . . . . .	3,014	2,873	2,942	2,995	2,930
Value of materials used . . . . .	97,027	107,378	103,138	99,743	96,395
Value of production . . . . .	58,652	55,799	59,103	57,684	62,704
Total value of output . . . . .	158,693	166,051	165,183	160,422	162,029
Value of land and buildings . . . . .	23,150	23,326	24,210	25,654	25,583
Value of plant and machinery . . . . .	27,440	26,550	29,550	29,090	29,686
Horsepower of engines ordinarily in use . . . . .	71,354	71,318	71,180	68,341	70,686

(a) Before 1 July 1964, excludes Northern Territory and Australian Capital Territory.

**HOSIERY AND OTHER KNITTED GOODS: AUSTRALIA(a), 1962-63 TO 1966-67**

	1962-63	1963-64	1964-65	1965-66	1966-67
Number of factories . . . . .	625	607	602	592	573
Number of persons employed . . . . .	24,627	25,471	25,593	25,559	25,043
Salaries and wages paid . . . . .	\$'000 40,646	42,834	46,267	48,343	51,172
Value of power, fuel, etc., used . . . . .	" 1,614	1,691	1,753	1,829	1,945
Value of materials used . . . . .	" 92,517	98,422	107,819	108,939	117,194
Value of production . . . . .	" 76,180	83,674	91,207	93,348	98,155
Total value of output . . . . .	" 170,311	183,788	200,778	204,115	217,294
Value of land and buildings . . . . .	" 31,499	32,685	34,218	37,029	38,319
Value of plant and machinery . . . . .	" 22,753	24,370	25,996	29,793	29,352
Horsepower of engines ordinarily in use . . . . .	23,106	24,344	25,344	26,872	27,130

(a) Before 1 July 1964, excludes Northern Territory and Australian Capital Territory.

**RAYON, ACRYLICS AND OTHER SYNTHETIC FIBRES: AUSTRALIA(a), 1962-63 TO 1966-67**

	1962-63	1963-64	1964-65	1965-66	1966-67
Number of factories . . . . .	45	43	38	40	39
Number of persons employed . . . . .	4,337	4,527	4,104	4,562	4,843
Salaries and wages paid . . . . .	\$'000 9,079	9,825	9,212	10,329	12,139
Value of power, fuel, etc., used . . . . .	" 1,143	1,236	1,192	1,338	1,408
Value of materials used . . . . .	" 25,733	27,483	27,561	32,065	38,885
Value of production . . . . .	" 16,089	18,191	19,161	20,957	21,769
Total value of output . . . . .	" 42,965	46,910	47,914	54,359	62,062
Value of land and buildings . . . . .	" 8,596	8,711	7,854	8,737	9,651
Value of plant and machinery . . . . .	" 9,141	8,688	7,255	10,137	12,233
Horsepower of engines ordinarily in use . . . . .	14,202	14,279	25,981	27,861	18,884

(a) Before 1 July 1964, excludes Northern Territory and Australian Capital Territory.

**ROPE AND CORDAGE: AUSTRALIA(a), 1962-63 TO 1966-67**

	1962-63	1963-64	1964-65	1965-66	1966-67
Number of factories . . . . .	26	25	25	25	25
Number of persons employed . . . . .	2,308	2,404	2,462	2,247	2,230
Salaries and wages paid . . . . .	\$'000 4,861	5,118	5,873	5,435	5,856
Value of power, fuel, etc., used . . . . .	" 369	396	425	362	410
Value of materials used . . . . .	" 9,590	11,911	13,409	10,510	11,371
Value of production . . . . .	" 9,504	9,577	11,008	9,261	11,448
Total value of output . . . . .	" 19,463	21,884	24,841	20,133	23,228
Value of land and buildings . . . . .	" 5,508	5,492	5,642	5,686	5,622
Value of plant and machinery . . . . .	" 3,568	3,600	3,885	3,916	3,602
Horsepower of engines ordinarily in use . . . . .	15,240	15,407	13,032	16,557	15,748

(a) Before 1 July 1964, excludes Northern Territory and Australian Capital Territory.

**WOOLSCOURING AND FELLMONGERY: AUSTRALIA(a), 1962-63 TO 1966-67**

	1962-63	1963-64	1964-65	1965-66	1966-67
Number of factories . . . . .	56	54	56	53	51
Number of persons employed . . . . .	2,847	2,570	2,387	2,340	2,154
Salaries and wages paid . . . . .	\$'000 6,594	6,152	6,389	6,420	6,381
Value of power, fuel, etc., used . . . . .	" 1,238	1,212	1,205	1,195	1,184
Value of materials used . . . . .	" 31,928	35,621	31,404	28,789	27,761
Value of production . . . . .	" 9,271	8,545	8,929	8,879	9,047
Total value of output . . . . .	" 42,437	45,378	41,538	38,863	37,992
Value of land and buildings . . . . .	" 5,687	6,082	6,558	6,408	6,288
Value of plant and machinery . . . . .	" 3,069	2,993	3,383	3,110	3,393
Horsepower of engines ordinarily in use . . . . .	17,544	18,089	17,939	16,715	19,914

(a) Before 1 July 1964, excludes Northern Territory and Australian Capital Territory.

## TANNING, CURRYING AND LEATHER DRESSING: AUSTRALIA(a), 1962-63 TO 1966-67

	1962-63	1963-64	1964-65	1965-66	1966-67
Number of factories . . . . .	102	102	102	102	96
Number of persons employed . . . . .	4,219	4,298	4,277	4,012	3,721
Salaries and wages paid . . . . . \$'000	9,473	9,910	10,828	10,242	10,015
Value of power, fuel, etc., used . . . . .	1,001	1,021	1,045	988	948
Value of materials used . . . . .	25,156	23,881	23,785	26,134	25,847
Value of production . . . . .	16,228	17,165	16,576	16,323	16,127
Total value of output . . . . .	42,386	42,066	41,407	43,445	42,922
Value of land and buildings . . . . .	7,329	8,205	8,295	8,096	8,173
Value of plant and machinery . . . . .	4,531	4,761	5,138	5,232	4,957
Horsepower of engines ordinarily in use . . . . .	27,598	29,598	30,199	31,518	30,454

(a) Before 1 July 1964, excludes Northern Territory and Australian Capital Territory.

LEATHER GOODS (INCLUDING SADDLERY AND BELTING)  
AUSTRALIA(a), 1962-63 TO 1966-67

	1962-63	1963-64	1964-65	1965-66	1966-67
Number of factories . . . . .	386	383	378	374	364
Number of persons employed . . . . .	4,519	4,646	4,677	4,719	4,735
Salaries and wages paid . . . . . \$'000	6,950	7,260	7,877	8,245	8,875
Value of power, fuel, etc., used . . . . .	148	161	141	144	156
Value of materials used . . . . .	13,151	14,083	15,190	16,277	16,957
Value of production . . . . .	12,336	12,854	14,259	15,173	16,112
Total value of output . . . . .	25,635	27,097	29,590	31,593	33,224
Value of land and buildings . . . . .	6,885	7,238	7,934	9,146	9,181
Value of plant and machinery . . . . .	1,484	1,572	1,542	1,741	1,846
Horsepower of engines ordinarily in use . . . . .	3,387	3,716	3,001	3,635	4,412

(a) Before 1 July 1964, excludes Northern Territory and Australian Capital Territory.

## TAILORING AND READY-MADE CLOTHING: AUSTRALIA(a), 1962-63 TO 1966-67

	1962-63	1963-64	1964-65	1965-66	1966-67
Number of factories . . . . .	1,847	1,892	1,879	1,805	1,670
Number of persons employed . . . . .	33,234	34,188	35,092	35,529	34,213
Salaries and wages paid . . . . . \$'000	48,543	51,126	55,926	58,884	61,132
Value of power, fuel, etc., used . . . . .	1,026	1,059	1,089	1,104	1,073
Value of materials used . . . . .	88,153	92,343	100,238	103,389	104,910
Value of production . . . . .	80,043	86,803	95,711	102,855	105,515
Total value of output . . . . .	169,223	180,206	197,037	207,348	211,498
Value of land and buildings . . . . .	35,586	38,214	41,397	43,810	41,747
Value of plant and machinery . . . . .	7,032	7,406	8,255	8,819	9,123
Horsepower of engines ordinarily in use . . . . .	12,939	13,348	13,515	14,293	14,066

(a) Before 1 July 1964, excludes Northern Territory and Australian Capital Territory.

## DRESSMAKING AND MILLINERY: AUSTRALIA(a), 1962-63 TO 1966-67

	1962-63	1963-64	1964-65	1965-66	1966-67
Number of factories . . . . .	1,189	1,124	1,146	1,181	1,281
Number of persons employed . . . . .	15,093	14,930	15,041	15,618	17,626
Salaries and wages paid . . . . . \$'000	20,373	21,188	22,577	24,387	29,788
Value of power, fuel, etc., used . . . . .	420	439	447	486	596
Value of materials used . . . . .	26,055	28,285	29,595	29,478	36,832
Value of production . . . . .	33,394	34,240	36,771	38,837	48,786
Total value of output . . . . .	59,869	62,964	66,812	68,801	86,214
Value of land and buildings . . . . .	18,231	19,232	21,018	22,980	26,934
Value of plant and machinery . . . . .	2,365	2,742	2,813	3,136	3,939
Horsepower of engines ordinarily in use . . . . .	4,831	4,955	5,628	6,141	6,965

(a) Before 1 July 1964, excludes Northern Territory and Australian Capital Territory.

## SHIRTS, COLLARS AND UNDERCLOTHING: AUSTRALIA(a), 1962-63 TO 1966-67

	1962-63	1963-64	1964-65	1965-66	1966-67
Number of factories . . . . .	351	329	337	333	334
Number of persons employed . . . . .	13,304	13,271	13,823	14,719	14,470
Salaries and wages paid . . . . . \$'000	17,967	18,312	20,725	23,525	24,357
Value of power, fuel, etc., used . . . . .	333	335	362	386	405
Value of materials used . . . . .	32,604	34,453	35,748	35,780	38,841
Value of production . . . . .	29,113	29,720	32,602	36,888	36,326
Total value of output . . . . .	62,050	64,507	68,712	73,054	75,573
Value of land and buildings . . . . .	10,328	11,086	12,209	13,493	14,757
Value of plant and machinery . . . . .	2,705	2,942	3,469	3,818	4,124
Horsepower of engines ordinarily in use . . . . .	5,649	5,928	6,188	6,557	6,904

(a) Before 1 July 1964, excludes Northern Territory and Australian Capital Territory.

## FOUNDATION GARMENTS: AUSTRALIA(a), 1962-63 TO 1966-67

	1962-63	1963-64	1964-65	1965-66	1966-67
Number of factories . . . . .	64	62	64	65	59
Number of persons employed . . . . .	4,012	3,948	4,176	4,492	4,553
Salaries and wages paid . . . . . \$'000	5,569	5,616	6,457	6,969	7,824
Value of power, fuel, etc., used . . . . .	102	104	105	112	112
Value of materials used . . . . .	11,628	13,057	14,658	15,739	17,814
Value of production . . . . .	10,931	12,428	13,994	14,909	16,354
Total value of output . . . . .	22,661	25,589	28,757	30,760	34,280
Value of land and buildings . . . . .	4,595	4,918	5,411	5,227	5,311
Value of plant and machinery . . . . .	1,380	1,414	1,665	1,762	1,634
Horsepower of engines ordinarily in use . . . . .	1,987	2,082	2,353	2,336	2,652

(a) Before 1 July 1964, excludes Northern Territory and Australian Capital Territory.

The table below refers to boot and shoe factories as distinct from those devoted to repairing, except in Tasmania, where it has been necessary to include details of boot and shoe repairing in order to avoid disclosure of confidential information for that State. Factories engaged in the manufacture of sand-shoes, goloshes and gum, etc., boots of rubber are not included here, but are classified under Rubber Goods, see page 1128.

## BOOTS AND SHOES: AUSTRALIA(a), 1962-63 TO 1966-67

	1962-63(b)	1963-64	1964-65	1965-66	1966-67
Number of factories . . . . .	439	393	398	394	386
Number of persons employed . . . . .	20,502	21,030	20,779	20,072	20,009
Salaries and wages paid . . . . . \$'000	34,898	36,459	38,372	37,507	40,055
Value of power, fuel, etc., used . . . . .	656	686	724	743	798
Value of materials used . . . . .	61,165	63,347	63,931	60,849	66,629
Value of production . . . . .	54,821	58,342	58,738	61,523	66,104
Total value of output . . . . .	116,642	122,375	123,393	123,114	133,532
Value of land and buildings . . . . .	14,238	16,243	17,057	18,229	19,261
Value of plant and machinery . . . . .	14,097	16,077	18,805	19,258	20,619
Horsepower of engines ordinarily in use . . . . .	15,351	15,594	15,394	16,117	15,658

(a) Before 1 July 1964, excludes Northern Territory and Australian Capital Territory.

(b) Includes details of boot and shoe repairing in Tasmania.



## FLOUR-MILLING: AUSTRALIA(a), 1962-63 TO 1966-67

	1962-63	1963-64	1964-65	1965-66	1966-67
Number of factories . . . . .	118	114	108	107	102
Number of persons employed . . . . .	4,219	4,512	4,253	4,152	3,861
Salaries and wages paid . . . . . \$'000	9,680	10,560	10,736	10,934	10,977
Value of power, fuel, etc., used . . . . .	1,873	2,028	1,964	1,880	1,865
Value of materials used . . . . .	120,792	132,713	124,974	122,433	122,294
Value of production . . . . .	23,910	27,962	29,210	30,184	31,122
Total value of output . . . . .	146,575	162,703	156,148	154,497	155,281
Value of land and buildings . . . . .	15,769	18,024	17,615	18,272	17,964
Value of plant and machinery . . . . .	11,696	13,065	13,069	13,506	13,294
Horsepower of engines ordinarily in use . . . . .	47,393	54,256	54,450	56,970	51,638

(a) Before 1 July 1964, excludes Northern Territory and Australian Capital Territory.

## OTHER GRAIN MILLS(a): AUSTRALIA(b), 1962-63 TO 1966-67

	1962-63	1963-64	1964-65	1965-66	1966-67
Number of factories . . . . .	244	254	271	269	283
Number of persons employed . . . . .	5,289	5,322	5,774	5,979	6,302
Salaries and wages paid . . . . . \$'000	10,954	11,495	13,116	14,586	16,823
Value of power, fuel, etc., used . . . . .	2,164	2,227	2,383	2,609	2,950
Value of materials used . . . . .	69,965	77,154	93,800	106,972	113,289
Value of production . . . . .	32,399	35,718	41,504	45,401	48,239
Total value of output . . . . .	104,528	115,100	137,687	154,983	164,478
Value of land and buildings . . . . .	13,959	15,464	16,885	18,694	21,220
Value of plant and machinery . . . . .	14,821	15,378	17,772	18,400	22,039
Horsepower of engines ordinarily in use . . . . .	51,610	53,849	59,279	63,492	70,603

(a) Excludes corn crushing mills. (b) Before 1 July 1964, excludes Northern Territory and Australian Capital Territory.

The table below contains information regarding establishments in which the manufacture of bread, cakes, etc. was carried on. Since the details refer only to establishments coming within the definition of a factory as explained at the beginning of this chapter, the table does not give complete details of the industry, as a large number of bakeries, etc. not coming within the definition are excluded.

## BAKERIES (INCLUDING CAKES AND PASTRY): AUSTRALIA(a), 1962-63 TO 1966-67

	1962-63	1963-64	1964-65	1965-66	1966-67
Number of factories . . . . .	3,779	3,689	3,681	3,580	3,481
Number of persons employed . . . . .	21,061	21,627	22,447	22,950	23,346
Salaries and wages paid . . . . . \$'000	33,708	36,163	40,162	42,875	47,010
Value of power, fuel, etc., used . . . . .	5,479	5,636	5,904	6,075	6,168
Value of materials used . . . . .	100,009	104,820	113,476	118,707	121,347
Value of production . . . . .	83,058	86,550	93,901	108,346	112,837
Total value of output . . . . .	188,546	197,005	213,280	233,128	240,353
Value of land and buildings . . . . .	58,474	61,898	67,902	71,946	75,378
Value of plant and machinery . . . . .	37,407	37,903	40,277	40,473	39,788
Horsepower of engines ordinarily in use . . . . .	37,589	40,175	43,209	44,947	45,615

(a) Before 1 July 1964, excludes Northern Territory and Australian Capital Territory.

## BISCUITS: AUSTRALIA(a), 1962-63 TO 1966-67

	1962-63	1963-64	1964-65	1965-66	1966-67
Number of factories . . . . .	52	53	53	56	55
Number of persons employed . . . . .	6,199	6,262	6,474	6,716	6,843
Salaries and wages paid . . . . . \$'000	11,237	11,696	13,159	13,677	15,107
Value of power, fuel, etc., used . . . . .	1,145	1,171	1,242	1,317	1,377
Value of materials used . . . . .	26,052	27,483	29,714	32,546	35,072
Value of production . . . . .	20,960	21,628	24,910	26,368	26,955
Total value of output . . . . .	48,157	50,281	55,867	60,231	63,404
Value of land and buildings . . . . .	11,411	11,278	12,926	14,404	14,410
Value of plant and machinery . . . . .	8,462	8,868	8,422	10,180	10,850
Horsepower of engines ordinarily in use . . . . .	13,443	16,381	16,791	17,395	18,831

(a) Before 1 July 1964, excludes Northern Territory and Australian Capital Territory.

Sugar-cane is grown in New South Wales and Queensland, and particulars of area, yield, etc., are given in detail in the chapter Rural Industry. The products of the sugar-mills are raw sugar and molasses, the former being sent to the refineries in different parts of Australia for further treatment. In 1966-67 there were two sugar refineries in Queensland and one in each of New South Wales, Victoria, South Australia, and Western Australia.

## SUGAR MILLS: NEW SOUTH WALES AND QUEENSLAND, 1962-63 TO 1966-67

	1962-63	1963-64	1964-65	1965-66	1966-67
New South Wales—					
Number of factories . . . . .	3	3	3	3	3
Number of persons employed . . . . .	261	247	283	328	330
Queensland—					
Number of factories . . . . .	31	31	31	31	31
Number of persons employed . . . . .	6,387	6,981	7,924	7,008	6,758

## CONFECTIONERY: AUSTRALIA(a), 1962-63 TO 1966-67

	1962-63	1963-64	1964-65	1965-66	1966-67
Number of factories . . . . .	189	189	187	180	175
Number of persons employed . . . . .	8,015	8,156	8,301	8,590	8,663
Salaries and wages paid . . . . . \$'000	14,555	15,185	16,685	18,037	19,371
Value of power, fuel, etc., used . . . . .	1,542	1,596	1,613	1,653	1,719
Value of materials used . . . . .	46,426	49,470	53,864	53,414	60,573
Value of production . . . . .	31,604	32,371	33,984	38,303	39,779
Total value of output . . . . .	79,572	83,437	89,461	93,371	102,071
Value of land and buildings . . . . .	17,264	17,459	18,334	20,232	22,369
Value of plant and machinery . . . . .	16,954	17,780	19,095	19,776	21,085
Horsepower of engines ordinarily in use . . . . .	42,665	43,165	41,806	43,790	48,076

(a) Before 1 July 1964, excludes Northern Territory and Australian Capital Territory.

**JAM, FRUIT AND VEGETABLE CANNING, PICKLES, SAUCES, VINEGAR  
AUSTRALIA(a), 1962-63 TO 1966-67**

	1962-63	1963-64	1964-65	1965-66	1966-67
Number of factories . . . . .	170	167	161	160	156
Number of persons employed . . . . .	11,897	12,397	12,672	13,573	13,473
Salaries and wages paid . . . . . \$'000	24,152	25,961	29,281	31,989	35,202
Value of power, fuel, etc., used . . . . .	2,412	2,609	2,868	3,167	3,329
Value of materials used . . . . .	95,297	103,551	116,182	134,813	141,964
Value of production . . . . .	55,764	60,924	66,754	74,873	80,787
Total value of output . . . . .	153,473	167,084	185,805	212,852	226,080
Value of land and buildings . . . . .	29,840	32,105	34,415	39,166	42,181
Value of plant and machinery . . . . .	26,458	30,011	33,473	40,649	43,552
Horsepower of engines ordinarily in use . . . . .	48,574	53,024	54,139	59,306	63,006

(a) Before 1 July 1964, excludes Northern Territory and Australian Capital Territory.

Bacon and ham and other pig products are dealt with more fully in the chapter Rural Industry.

**BACON-CURING: AUSTRALIA(a), 1962-63 TO 1966-67**

	1962-63	1963-64	1964-65	1965-66	1966-67
Number of factories . . . . .	87	85	79	81	76
Number of persons employed . . . . .	4,675	4,865	5,098	5,419	5,569
Salaries and wages paid . . . . . \$'000	9,315	9,924	11,101	12,371	13,440
Value of power, fuel, etc., used . . . . .	1,043	1,113	1,151	1,198	1,370
Value of materials used . . . . .	61,989	67,841	74,997	80,060	85,356
Value of production . . . . .	19,563	19,155	22,982	29,124	30,747
Total value of output . . . . .	82,595	88,109	99,129	110,381	117,472
Value of land and buildings . . . . .	8,546	8,750	8,997	9,894	10,415
Value of plant and machinery . . . . .	5,455	5,919	6,190	6,951	7,752
Horsepower of engines ordinarily in use . . . . .	18,236	18,152	18,396	20,141	20,640

(a) Before 1 July 1964, excludes Northern Territory and Australian Capital Territory.

The butter, cheese and condensed milk industries are dealt with more fully in the chapter Rural Industry.

**BUTTER, CHEESE AND CONDENSED AND PROCESSED MILK  
AUSTRALIA(a), 1962-63 TO 1966-67**

	1962-63	1963-64	1964-65	1965-66	1966-67
Number of factories . . . . .	348	347	344	337	328
Number of persons employed . . . . .	11,320	11,510	11,505	11,454	11,650
Salaries and wages paid . . . . . \$'000	24,883	26,314	27,680	28,810	31,445
Value of power, fuel, etc., used . . . . .	5,961	6,138	6,364	6,500	6,988
Value of materials used . . . . .	226,691	244,587	261,066	262,480	286,631
Value of production . . . . .	52,424	59,236	65,028	67,970	68,535
Total value of output . . . . .	285,077	309,961	332,458	336,949	362,154
Value of land and buildings . . . . .	31,032	31,534	34,544	38,681	42,699
Value of plant and machinery . . . . .	37,797	39,361	40,445	46,398	52,842
Horsepower of engines ordinarily in use . . . . .	118,087	120,084	120,208	127,837	133,449

(a) Before 1 July 1964, excludes Northern Territory and Australian Capital Territory.

MEAT AND FISH PRESERVING: AUSTRALIA<sup>(a)</sup>, 1962-63 TO 1966-67

	1962-63	1963-64	1964-65	1965-66	1966-67
Number of factories . . . . .	159	164	173	175	223
Number of persons employed . . . . .	10,032	10,161	10,225	10,659	11,333
Salaries and wages paid . . . . . \$'000	21,917	22,923	24,993	26,916	30,137
Value of power, fuel, etc., used . . . . .	2,854	3,147	3,318	3,527	3,509
Value of materials used . . . . .	142,070	158,668	178,508	200,506	206,986
Value of production . . . . .	38,266	43,539	46,456	55,209	63,630
Total value of output . . . . .	183,190	205,353	228,283	259,243	274,125
Value of land and buildings . . . . .	20,624	21,013	26,840	28,050	32,329
Value of plant and machinery . . . . .	15,447	15,162	19,587	21,633	24,772
Horsepower of engines ordinarily in use . . . . .	53,652	56,424	54,214	60,346	66,272

(a) Before 1 July 1964, excludes Northern Territory and Australian Capital Territory.

The industries included in this group are engaged chiefly in the freezing and preserving of meat. Most abattoirs are excluded, except in Queensland and Western Australia. Works have been established at the seaports for the purpose of handling beef, lamb and mutton for export, and insulated space for the carriage of chilled and frozen produce is provided by shipping companies trading between Australia and other parts of the world. In recent years there has been considerable expansion in the canning of meat and fish. Particulars of the quantities and values of beef, mutton and lamb preserved by cold process exported from Australia over a series of years will be found in the chapter Rural Industry.

CONDIMENTS, COFFEE, SPICES: AUSTRALIA<sup>(a)</sup>, 1962-63 TO 1966-67

	1962-63	1963-64	1964-65	1965-66	1966-67
Number of factories . . . . .	260	238	239	237	241
Number of persons employed . . . . .	5,283	5,218	5,166	5,431	5,422
Salaries and wages paid . . . . . \$'000	9,805	9,975	9,983	11,669	12,650
Value of power, fuel, etc., used . . . . .	685	743	754	867	943
Value of materials used . . . . .	43,940	45,737	48,805	54,706	57,934
Value of production . . . . .	27,558	27,506	29,459	33,534	40,494
Total value of output . . . . .	72,183	73,986	79,018	89,108	99,371
Value of land and buildings . . . . .	18,519	18,766	21,091	23,165	24,299
Value of plant and machinery . . . . .	8,330	7,956	10,099	11,827	12,773
Horsepower of engines ordinarily in use . . . . .	16,811	17,088	18,590	19,500	19,355

(a) Before 1 July 1964, excludes Northern Territory and Australian Capital Territory.

BREWERIES: AUSTRALIA<sup>(a)</sup>, 1962-63 TO 1966-67

	1962-63	1963-64	1964-65	1965-66	1966-67
Number of factories . . . . .	24	24	26	26	25
Number of persons employed . . . . .	5,741	5,744	5,885	5,943	5,928
Salaries and wages paid . . . . . \$'000	14,001	14,753	15,946	16,997	18,572
Value of power, fuel, etc., used . . . . .	3,118	3,140	3,160	3,365	3,503
Value of materials used . . . . .	54,311	59,967	64,746	65,255	70,760
Value of production . . . . .	45,609	48,355	51,878	53,509	57,020
Total value of output <sup>(b)</sup> . . . . .	103,038	111,463	119,784	122,130	131,282
Value of land and buildings . . . . .	29,681	30,121	31,363	32,400	36,385
Value of plant and machinery . . . . .	30,005	30,733	32,442	33,129	36,204
Horsepower of engines ordinarily in use . . . . .	50,237	53,765	56,549	62,045	63,275

(a) Before 1 July 1964, excludes Northern Territory and Australian Capital Territory. (b) Excludes excise duty.

## AERATED WATERS AND CORDIALS: AUSTRALIA(a), 1962-63 TO 1966-67

	1962-63	1963-64	1964-65	1965-66	1966-67
Number of factories . . . . .	525	509	503	495	492
Number of persons employed . . . . .	5,190	5,193	5,303	5,717	5,982
Salaries and wages paid . . . . . \$'000	9,054	9,434	10,415	11,940	13,365
Value of power, fuel, etc., used . . . . .	879	936	1,020	1,062	1,161
Value of materials used . . . . .	28,058	30,985	35,693	41,257	45,898
Value of production . . . . .	26,691	27,473	31,758	33,305	37,646
Total value of output . . . . .	55,629	59,395	68,471	75,624	84,705
Value of land and buildings . . . . .	17,251	19,027	19,770	20,473	21,927
Value of plant and machinery . . . . .	11,991	12,688	13,031	14,152	15,685
Horsepower of engines ordinarily in use . . . . .	17,116	17,610	18,713	20,190	21,821

(a) Before 1 July 1964, excludes Northern Territory and Australian Capital Territory.

## WINERIES AND DISTILLERIES: AUSTRALIA(a), 1962-63 TO 1966-67

	1962-63	1963-64	1964-65	1965-66	1966-67
Number of factories . . . . .	161	169	170	177	178
Number of persons employed . . . . .	2,084	2,204	2,344	2,408	2,488
Salaries and wages paid . . . . . \$'000	4,100	4,458	5,057	5,587	6,089
Value of power, fuel, etc., used . . . . .	772	798	907	893	937
Value of materials used . . . . .	18,271	21,431	23,988	23,377	27,988
Value of production . . . . .	9,468	11,874	15,815	15,137	19,741
Total value of output . . . . .	28,511	34,103	40,711	39,408	48,666
Value of land and buildings . . . . .	6,588	7,285	8,015	8,956	9,385
Value of plant and machinery . . . . .	7,429	7,789	8,370	8,832	9,648
Horsepower of engines ordinarily in use . . . . .	17,601	17,942	18,807	19,265	19,667

(a) Before 1 July 1964, excludes Northern Territory and Australian Capital Territory.

## TOBACCO, CIGARS AND CIGARETTES: AUSTRALIA(a), 1962-63 TO 1966-67

	1962-63	1963-64	1964-65	1965-66	1966-67
Number of factories . . . . .	18	15	15	16	15
Number of persons employed . . . . .	4,671	4,498	4,670	4,843	4,659
Salaries and wages paid . . . . . \$'000	10,277	10,898	11,513	11,878	12,801
Value of power, fuel, etc., used . . . . .	512	508	547	615	688
Value of materials used . . . . .	78,592	78,380	81,280	77,434	81,318
Value of production . . . . .	40,377	45,233	52,482	57,426	66,070
Total value of output(b) . . . . .	119,481	124,122	134,308	135,474	148,075
Value of land and buildings . . . . .	9,280	10,003	10,424	12,448	13,299
Value of plant and machinery . . . . .	14,187	13,784	14,104	15,231	17,205
Horsepower of engines ordinarily in use . . . . .	12,033	11,955	12,596	13,188	14,418

(a) Before 1 July 1964, excludes Northern Territory and Australian Capital Territory. (b) Excludes excise duty.

## ICE-CREAM: AUSTRALIA(a), 1962-63 TO 1966-67

	1962-63	1963-64	1964-65	1965-66	1966-67
Number of factories . . . . .	54	53	54	56	56
Number of persons employed . . . . .	2,295	2,518	2,639	2,687	2,847
Salaries and wages paid . . . . . \$'000	4,791	5,429	6,019	6,587	6,973
Value of power, fuel, etc., used . . . . .	905	1,040	1,106	1,214	1,303
Value of materials used . . . . .	15,273	17,097	19,301	23,510	26,547
Value of production . . . . .	11,676	13,903	15,636	16,790	16,098
Total value of output . . . . .	27,854	32,040	36,043	41,514	44,048
Value of land and buildings . . . . .	9,654	11,297	13,486	13,993	14,090
Value of plant and machinery . . . . .	13,468	15,260	12,702	12,722	13,545
Horsepower of engines ordinarily in use . . . . .	18,468	20,562	21,415	24,360	26,287

(a) Before 1 July 1964, excludes Northern Territory and Australian Capital Territory.

Sawmilling is the most important industry in Class 10. Because of difficulties associated with the classifying of sawmills into forest and town mills, they have been combined in the following table, together with plywood and veneer mills. The figures exclude particulars of a small number of itinerant and travelling sawmills.

**SAWMILLS AND PLYWOOD AND VENEER MILLS  
AUSTRALIA(a), 1962-63 TO 1966-67**

	1962-63	1963-64	1964-65	1965-66	1966-67
Number of factories . . . . .	2,514	2,421	2,353	2,335	2,288
Number of persons employed . . . . .	31,993	32,202	32,271	33,104	32,147
Salaries and wages paid . . . . . \$'000	60,217	63,119	67,479	71,910	74,196
Value of power, fuel, etc., used . . . . .	5,258	5,325	5,552	5,658	5,742
Value of materials used . . . . .	146,066	156,464	166,841	169,627	174,595
Value of production . . . . .	106,431	115,903	128,319	133,222	135,576
Total value of output . . . . .	257,755	277,692	300,713	308,507	315,913
Value of land and buildings . . . . .	37,590	39,004	40,967	45,254	46,921
Value of plant and machinery . . . . .	40,573	40,111	41,964	44,677	46,099
Horsepower of engines ordinarily in use . . . . .	428,421	437,807	433,626	453,625	464,782

(a) Before 1 July 1964, excludes Northern Territory and Australian Capital Territory.

**JOINERY: AUSTRALIA(a), 1962-63 TO 1966-67**

	1962-63	1963-64	1964-65	1965-66	1966-67
Number of factories . . . . .	2,247	2,239	2,320	2,329	2,381
Number of persons employed . . . . .	17,509	17,594	18,597	18,954	19,130
Salaries and wages paid . . . . . \$'000	35,340	36,705	40,956	43,172	46,462
Value of power, fuel, etc., used . . . . .	965	969	1,062	1,089	1,132
Value of materials used . . . . .	64,092	70,156	78,939	81,768	87,660
Value of production . . . . .	55,761	59,291	67,506	69,344	76,939
Total value of output . . . . .	120,818	130,416	147,507	152,201	165,730
Value of land and buildings . . . . .	30,543	32,757	37,356	40,473	44,661
Value of plant and machinery . . . . .	10,200	10,811	11,352	12,036	12,936
Horsepower of engines ordinarily in use . . . . .	89,459	89,578	93,636	96,683	100,239

(a) Before 1 July 1964, excludes Northern Territory and Australian Capital Territory.

**CABINET AND FURNITURE MAKING AND UPHOLSTERY  
AUSTRALIA(a), 1962-63 TO 1966-67**

	1962-63	1963-64	1964-65	1965-66	1966-67
Number of factories . . . . .	1,625	1,638	1,639	1,624	1,641
Number of persons employed . . . . .	15,726	15,948	16,361	16,630	16,932
Salaries and wages paid . . . . . \$'000	29,395	30,874	34,047	36,254	38,683
Value of power, fuel, etc., used . . . . .	777	830	869	914	943
Value of materials used . . . . .	56,241	61,061	67,330	67,146	69,338
Value of production . . . . .	48,738	52,312	58,816	63,298	68,418
Total value of output . . . . .	105,755	114,204	127,014	131,359	138,700
Value of land and buildings . . . . .	29,309	30,906	34,730	37,032	40,257
Value of plant and machinery . . . . .	6,982	7,716	8,029	8,839	9,335
Horsepower of engines ordinarily in use . . . . .	45,641	46,599	47,136	52,932	55,079

(a) Before 1 July 1964, excludes Northern Territory and Australian Capital Territory.

These following industries constitute the principal manufactures in Class 11. The establishments covered in the tables following include those engaged in the lithographic printing, bookbinding, paper ruling, and linotyping, and Government printing works.

## NEWSPAPERS AND PERIODICALS: AUSTRALIA(a), 1962-63 TO 1966-67

	1962-63	1963-64	1964-65	1965-66	1966-67
Number of factories . . . . .	415	411	413	407	408
Number of persons employed . . . . .	15,500	16,052	17,287	17,476	17,734
Salaries and wages paid . . . . . \$'000	38,140	40,225	46,120	48,516	53,366
Value of power, fuel, etc., used . . . . . "	1,392	1,481	1,587	1,646	1,784
Value of materials used . . . . . "	58,153	61,446	66,240	67,181	70,189
Value of production . . . . . "	70,385	74,132	83,292	88,401	99,270
Total value of output . . . . . "	129,930	137,059	151,119	157,228	171,242
Value of land and buildings . . . . . "	34,396	39,053	42,958	45,093	46,506
Value of plant and machinery . . . . . "	32,400	37,403	42,588	44,263	46,996
Horsepower of engines ordinarily in use . . . . .	44,094	44,029	48,021	49,985	53,053

(a) Before 1 July 1964, excludes Northern Territory and Australian Capital Territory.

GOVERNMENT AND GENERAL PRINTING WORKS  
AUSTRALIA(a), 1962-63 TO 1966-67

	1962-63	1963-64	1964-65	1965-66	1966-67
Number of factories . . . . .	1,738	1,780	1,875	1,904	1,960
Number of persons employed . . . . .	30,614	31,637	33,222	34,747	34,988
Salaries and wages paid . . . . . \$'000	64,592	69,623	78,133	85,444	90,418
Value of power, fuel, etc., used . . . . . "	2,058	2,227	2,504	2,761	2,821
Value of materials used . . . . . "	82,395	89,280	98,703	105,269	108,008
Value of production . . . . . "	117,270	124,881	138,981	153,535	162,365
Total value of output . . . . . "	201,723	216,388	240,188	261,564	273,195
Value of land and buildings . . . . . "	61,046	67,550	79,610	84,829	89,279
Value of plant and machinery . . . . . "	50,504	54,510	60,855	65,295	66,415
Horsepower of engines ordinarily in use . . . . .	52,182	54,491	58,731	61,942	62,427

(a) Before 1 July 1964, excludes Northern Territory and Australian Capital Territory.

## MANUFACTURED STATIONERY: AUSTRALIA(a), 1962-63 TO 1966-67

	1962-63	1963-64	1964-65	1965-66	1966-67
Number of factories . . . . .	150	148	142	144	147
Number of persons employed . . . . .	5,436	5,563	5,870	6,134	6,279
Salaries and wages paid . . . . . \$'000	10,946	11,746	13,077	14,445	15,470
Value of power, fuel, etc., used . . . . . "	465	524	560	561	603
Value of materials used . . . . . "	33,299	37,028	39,299	41,283	43,888
Value of production . . . . . "	26,818	30,272	34,597	38,655	41,841
Total value of output . . . . . "	60,582	67,824	74,457	80,499	86,332
Value of land and buildings . . . . . "	14,329	14,645	15,496	17,384	17,865
Value of plant and machinery . . . . . "	10,274	10,774	10,706	12,261	13,217
Horsepower of engines ordinarily in use . . . . .	10,936	11,955	12,625	13,554	13,962

(a) Before 1 July 1964, excludes Northern Territory and Australian Capital Territory.

CARDBOARD BOXES, CARTONS AND CONTAINERS, AND PAPER BAGS  
AUSTRALIA(a), 1962-63 TO 1966-67

	1962-63	1963-64	1964-65	1965-66	1966-67
Number of factories . . . . .	243	254	250	252	259
Number of persons employed . . . . .	10,832	11,501	12,158	12,839	13,696
Salaries and wages paid . . . . . \$'000	22,236	24,543	28,027	30,121	34,343
Value of power, fuel, etc., used . . . . . "	965	1,045	1,191	1,266	1,447
Value of materials used . . . . . "	79,851	87,003	97,553	104,210	116,952
Value of production . . . . . "	48,202	53,695	60,615	64,843	75,154
Total value of output . . . . . "	129,018	141,743	159,359	170,319	193,553
Value of land and buildings . . . . . "	27,081	30,764	38,002	41,304	46,573
Value of plant and machinery . . . . . "	25,083	26,268	29,899	32,100	35,072
Horsepower of engines ordinarily in use . . . . .	26,217	28,154	31,661	34,834	39,343

(a) Before 1 July 1964, excludes Northern Territory and Australian Capital Territory.

Although the paper manufacturing industry has been established in Australia for many years, it was not until the manufacture of paper pulp from indigenous timber in 1938-39 that any marked development occurred. The number of factories operating in 1966-67 comprised four in New South Wales, ten in Victoria, two in Queensland, two in South Australia, one in Western Australia, and four in Tasmania. In Tasmania, newsprint, writing and printing papers are mainly produced, and in the other States, wrappings, other papers and boards. Mills producing pulp from eucalypt timber are operating in Victoria and Tasmania, while in South Australia pulp is being produced from locally-grown softwoods.

**PAPER MAKING(a): AUSTRALIA(b), 1962-63 TO 1966-67**

	1962-63	1963-64	1964-65	1965-66	1966-67
Number of factories . . . . .	24	26	25	25	23
Number of persons employed . . . . .	8,678	9,205	9,411	9,782	10,087
Salaries and wages paid . . . . . \$'000	24,694	28,011	31,000	32,780	36,293
Value of power, fuel, etc., used . . . . .	9,305	9,944	10,763	11,589	13,115
Value of materials used . . . . .	59,800	66,555	76,704	81,786	87,647
Value of production . . . . .	60,409	66,195	74,466	75,050	80,351
Total value of output . . . . .	129,514	142,695	161,932	168,425	181,114
Value of land and buildings . . . . .	34,336	34,310	35,915	44,985	46,286
Value of plant and machinery . . . . .	73,911	73,352	78,842	92,452	105,982
Horsepower of engines ordinarily in use . . . . .	256,291	256,769	270,526	286,522	298,765

(a) Includes pulp mills.

(b) Before 1 July 1964, excludes Northern Territory and Australian Capital Territory.

**RUBBER GOODS: AUSTRALIA(a), 1962-63 TO 1966-67**

	1962-63	1963-64	1964-65	1965-66	1966-67
Number of factories . . . . .	117	119	120	125	125
Number of persons employed . . . . .	15,702	16,944	17,414	17,071	16,837
Salaries and wages paid . . . . . \$'000	37,482	41,181	46,199	46,082	47,942
Value of power, fuel, etc., used . . . . .	5,112	5,354	5,419	5,563	5,787
Value of materials used . . . . .	86,020	93,452	101,143	99,857	99,824
Value of production . . . . .	61,433	67,037	69,095	70,289	76,052
Total value of output . . . . .	152,565	165,843	175,658	175,709	181,662
Value of land and buildings . . . . .	20,687	32,160	33,002	38,682	43,939
Value of plant and machinery . . . . .	23,196	30,688	34,864	47,304	53,293
Horsepower of engines ordinarily in use . . . . .	140,956	151,918	163,700	181,284	197,188

(a) Before 1 July 1964, excludes Northern Territory and Australian Capital Territory.

**TYRE RETREADING AND REPAIRING: AUSTRALIA(a), 1962-63 TO 1966-67**

	1962-63	1963-64	1964-65	1965-66	1966-67
Number of factories . . . . .	542	555	585	586	560
Number of persons employed . . . . .	3,214	3,317	3,399	3,345	3,361
Salaries and wages paid . . . . . \$'000	6,434	6,823	7,412	7,856	8,249
Value of power, fuel, etc., used . . . . .	897	930	967	988	1,051
Value of materials used . . . . .	14,505	15,903	18,107	18,579	19,995
Value of production . . . . .	16,889	18,667	19,961	19,919	23,417
Total value of output . . . . .	32,291	35,500	39,035	39,485	44,464
Value of land and buildings . . . . .	16,721	18,434	19,319	20,114	20,332
Value of plant and machinery . . . . .	5,359	5,844	6,344	6,890	6,988
Horsepower of engines ordinarily in use . . . . .	13,865	14,406	15,681	16,191	17,876

(a) Before 1 July 1964, excludes Northern Territory and Australian Capital Territory.



## PLASTIC MOULDING AND PRODUCTS: AUSTRALIA(a), 1962-63 TO 1966-67

	1962-63	1963-64	1964-65	1965-66	1966-67
Number of factories . . . . .	430	440	485	505	541
Number of persons employed . . . . .	11,801	12,668	14,157	14,517	15,833
Salaries and wages paid . . . . . \$'000	25,083	27,905	33,770	35,426	41,371
Value of power, fuel, etc., used . . . . .	2,257	2,530	2,985	3,170	3,755
Value of materials used . . . . .	57,598	63,489	75,722	76,957	91,691
Value of production . . . . .	48,499	57,641	66,818	68,464	84,248
Total value of output . . . . .	108,354	123,660	145,526	148,591	179,694
Value of land and buildings . . . . .	23,321	25,485	29,954	34,174	40,870
Value of plant and machinery . . . . .	25,397	28,965	32,843	36,559	40,451
Horsepower of engines ordinarily in use . . . . .	54,576	58,759	66,918	75,451	85,077

(a) Before 1 July 1964, excludes Northern Territory and Australian Capital Territory.

Further information on the following subject is also shown in the chapter Electric Power Generation and Distribution.

Particulars of the types of engines and generators installed in electric light and power works and their rated horse-power are given on page 1091.

## ELECTRIC LIGHT AND POWER WORKS: AUSTRALIA(a), 1962-63 TO 1966-67

	1962-63	1963-64	1964-65	1965-66	1966-67
Number of factories . . . . .	275	269	258	253	244
Number of persons employed . . . . .	12,272	12,162	12,457	12,600	13,085
Salaries and wages paid . . . . . \$'000	32,007	33,235	36,283	38,879	41,352
Value of power, fuel, etc., used . . . . .	81,642	85,708	88,590	94,151	98,169
Value of materials used . . . . .	10,386	11,492	16,139	17,348	20,176
Value of production . . . . .	179,113	194,019	206,233	220,237	237,385
Total value of output . . . . .	271,141	291,219	310,962	331,736	355,731
Value of land and buildings . . . . .	499,901	497,126	537,430	583,694	638,486
Value of plant and machinery . . . . .	613,244	622,087	652,376	711,382	879,465
Generators installed—kilowatt capacity '000 kW . . . . .	7,499	7,983	8,498	9,396	11,051

(a) Before 1 July 1964, excludes Northern Territory and Australian Capital Territory.

## GAS WORKS: AUSTRALIA(a), 1962-63 TO 1966-67

	1962-63	1963-64	1964-65	1965-66	1966-67
Number of factories . . . . .	87	87	89	87	86
Number of persons employed . . . . .	3,561	3,449	3,272	3,055	2,991
Salaries and wages paid . . . . . \$'000	9,288	9,157	9,200	9,325	9,694
Value of power, fuel, etc., used . . . . .	5,710	5,627	5,538	5,186	5,191
Value of materials used . . . . .	26,651	26,586	26,708	27,349	26,688
Value of production . . . . .	31,740	33,289	35,018	34,089	35,686
Total value of output . . . . .	64,100	65,502	67,263	66,624	67,566
Value of land and buildings . . . . .	15,072	15,327	16,134	16,393	16,053
Value of plant and machinery . . . . .	59,382	60,559	63,697	65,864	65,089
Horsepower of engines ordinarily in use . . . . .	58,989	56,803	58,702	59,127	63,103

(a) Before 1 July 1964, excludes Northern Territory and Australian Capital Territory.

