

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 1064–5.

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 1968 there were 695 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.

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 finished articles at the factory, exclusive of all delivery costs and charges and excise duties, but inclusive of bounty and subsidy payments to the manufacturer. 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 from one becoming the material for another, so that such commodities are counted more than once in the aggregate value of output and of 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 sea-grass 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 1967-68

Year	Factories	Employment (b)	Value of—					
			Salaries and wages paid (c)	Materials and fuel used	Output	Production (d)	Land and buildings (e)	Plant and machinery (e)
	No.	'000	\$'000	\$'000	\$'000	\$'000	\$'000	\$'000
1901	11,143	198	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
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	9,015,844	15,892,845	6,877,001	4,061,193	4,706,843
1967-68	62,954	1,331	3,665,902	9,663,217	17,094,070	7,430,853	4,303,156	4,962,203

(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). (e) Depreciated or book values at 30 June. Includes estimated values of rented premises and machinery.

Number of factories

Number in each State and Territory

FACTORIES: NUMBER, STATES AND TERRITORIES, 1963-64 TO 1967-68

Year	N.S.W.	Vic.	Qld	S.A.	W.A.	Tas.	N.T.	A.C.T.	Aust. (a)
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
1967-68	24,884	18,030	6,154	6,255	5,404	1,797	188	242	62,954

(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.

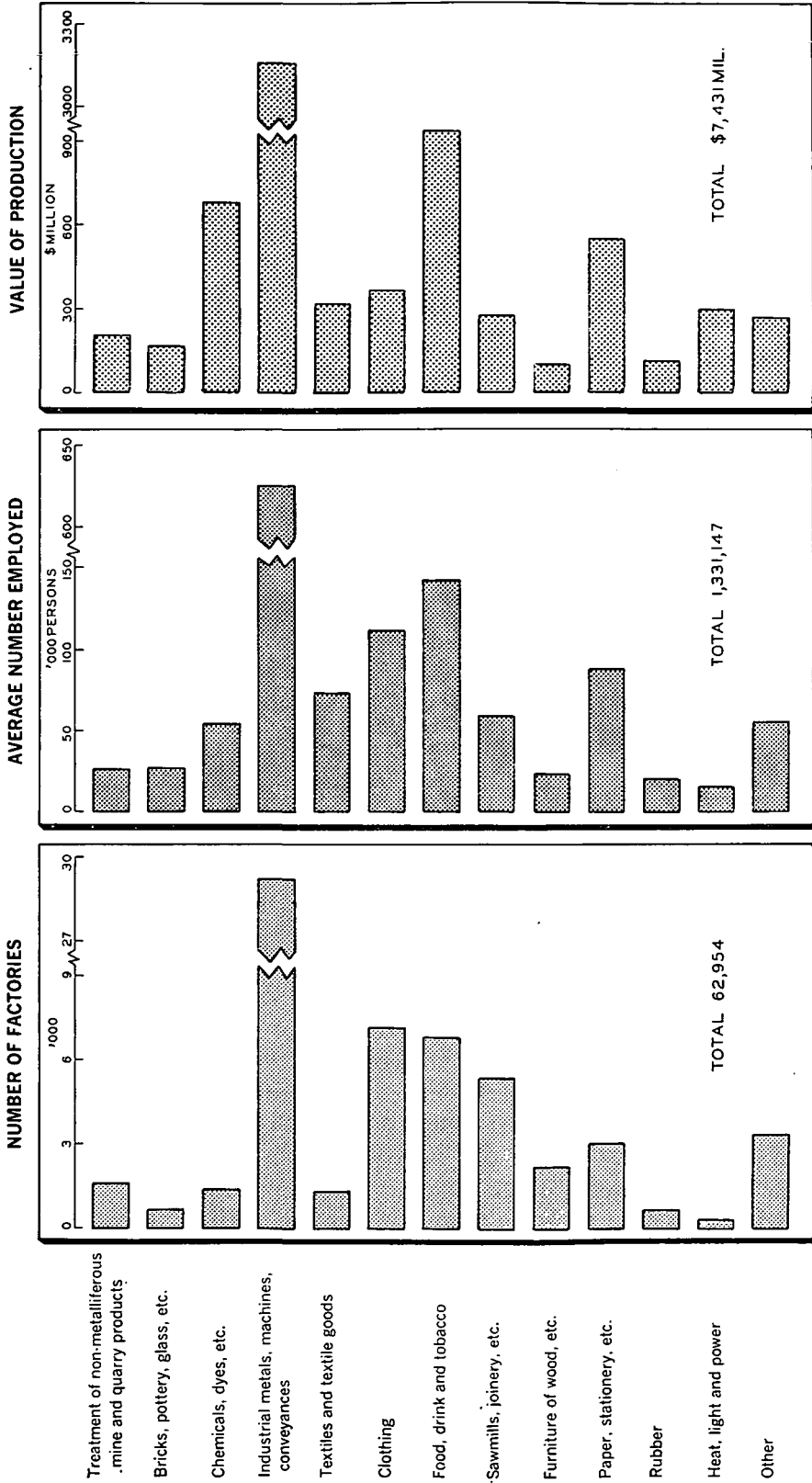
FACTORIES: NUMBER, BY CLASS OF INDUSTRY, AUSTRALIA(a), 1963-64 TO 1967-68

Class of industry	1963-64	1964-65	1965-66	1966-67	1967-68
1. Treatment of non-metalliferous mine and quarry products	1,517	1,557	1,611	1,615	1,635
2. Bricks, pottery, glass, etc.	692	689	678	676	659
3. Chemicals, dyes, explosives, paints, oils, grease	1,303	1,325	1,354	1,379	1,379
4. Industrial metals, machines, conveyances	25,415	26,665	27,549	28,424	29,213
5. Precious metals, jewellery, plate	927	980	970	975	984
6. Textiles and textile goods (not dress)	1,358	1,373	1,360	1,329	1,332
7. Skins and leather (not clothing or footwear)	645	639	631	616	603
8. Clothing (except knitted)	7,447	7,450	7,271	7,141	6,965
9. Food, drink and tobacco	7,034	7,060	6,938	6,834	6,689
10. Sawmills, joinery, boxes, etc., wood turning and carving	5,422	5,454	5,402	5,414	5,336
11. Furniture of wood, bedding, etc.	2,181	2,210	2,200	2,260	2,275
12. Paper, stationery, printing, bookbinding, etc.	2,828	2,937	2,971	3,052	3,085
13. Rubber	674	705	711	685	648
14. Musical instruments	82	76	73	69	70
15. Miscellaneous products	1,494	1,575	1,627	1,701	1,746
<i>Total, classes 1 to 15</i>	<i>59,019</i>	<i>60,695</i>	<i>61,346</i>	<i>62,170</i>	<i>62,619</i>
16. Heat, light and power	356	347	340	330	335
Total, all classes	59,375	61,042	61,686	62,500	62,954

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

FACTORIES, BY INDUSTRY

AUSTRALIA, 1967-68



FACTORIES: NUMBER, BY CLASS OF INDUSTRY, STATES AND TERRITORIES, 1967-68

<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 . . .	532	478	154	210	173	58	17	13	1,635
2. Bricks, pottery, glass, etc. . .	298	172	53	61	47	21	1	6	659
3. Chemicals, dyes, explosives, paints, oils, grease . . .	638	404	99	109	92	31	5	1	1,379
4. Industrial metals, machines, conveyances . . .	11,692	7,683	2,793	3,294	2,824	698	103	126	29,213
5. Precious metals, jewellery, plate . . .	389	255	44	177	94	19	..	6	984
6. Textiles and textile goods (not dress)	432	742	33	64	37	24	..	..	1,332
7. Skins and leather (not clothing or footwear) . . .	282	213	42	37	24	5	..	..	603
8. Clothing (except knitted) . . .	3,157	2,331	532	511	327	82	7	18	6,965
9. Food, drink and tobacco . . .	2,319	1,834	889	697	629	279	23	19	6,689
10. Sawmills, joinery, boxes, etc., wood turning and carving . . .	1,887	1,371	711	442	479	403	15	28	5,336
11. Furniture of wood, bedding, etc. . .	830	641	303	209	218	65	2	7	2,275
12. Paper, stationery, printing, book-binding, etc. . .	1,292	1,120	238	202	167	50	4	12	3,085
13. Rubber . . .	239	166	111	52	49	19	6	6	648
14. Musical instruments . . .	33	16	5	9	7	..	..	..	70
15. Miscellaneous products . . .	781	559	92	149	145	20	..	..	1,746
<i>Total, classes 1 to 15 . . .</i>	<i>24,801</i>	<i>17,985</i>	<i>6,099</i>	<i>6,223</i>	<i>5,312</i>	<i>1,774</i>	<i>183</i>	<i>242</i>	<i>62,619</i>
16. Heat, light and power . . .	83	45	55	32	92	23	5	..	335
<i>Total, all classes . . .</i>	<i>24,884</i>	<i>18,030</i>	<i>6,154</i>	<i>6,255</i>	<i>5,404</i>	<i>1,797</i>	<i>188</i>	<i>242</i>	<i>62,954</i>

Classification of factories by number of persons employed

The classification of factories by size in the following tables on pages 1046-7 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, 1967-68

<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>
NUMBER OF FACTORIES									
Under 4 . . .	10,363	5,896	2,103	3,068	2,558	728	67	72	24,855
4 . . .	1,935	1,535	616	472	482	162	20	29	5,251
5 to 10 . . .	5,680	4,384	1,591	1,207	1,126	430	63	63	14,544
11 to 20 . . .	3,033	2,564	831	681	559	225	25	46	7,964
21 to 50 . . .	2,217	1,994	569	459	440	156	10	23	5,868
51 to 100 . . .	829	825	229	193	151	44	3	5	2,279
101 to 200 . . .	447	462	114	99	54	28	..	1	1,205
201 to 300 . . .	140	156	53	21	18	12	..	2	402
301 to 400 . . .	74	73	14	17	5	1	..	..	184
401 to 500 . . .	42	44	15	11	5	2	..	..	119
501 to 750 . . .	54	54	10	9	3	2	..	1	133
751 to 1,000 . . .	25	16	4	6	1	3	..	..	55
Over 1,000 . . .	45	27	5	12	2	4	..	..	95
<i>Total . . .</i>	<i>24,884</i>	<i>18,030</i>	<i>6,154</i>	<i>6,255</i>	<i>5,404</i>	<i>1,797</i>	<i>188</i>	<i>242</i>	<i>62,954</i>

NUMBER EMPLOYED DURING PERIOD OF OPERATION

Under 4 . . .	19,155	11,624	4,274	5,483	4,796	1,380	123	160	46,995
4 . . .	7,740	6,140	2,464	1,888	1,928	648	80	116	21,004
5 to 10 . . .	39,384	30,744	11,077	8,363	7,758	2,949	429	415	101,119
11 to 20 . . .	44,256	37,579	12,208	9,960	7,999	3,248	345	678	116,273
21 to 50 . . .	69,720	62,871	17,715	14,452	13,616	5,004	356	719	184,453
51 to 100 . . .	57,837	57,913	15,937	13,550	10,711	3,183	201	348	159,680
101 to 200 . . .	62,719	65,227	16,221	13,983	7,511	3,911	..	106	169,678
201 to 300 . . .	33,409	38,070	12,727	5,185	4,270	2,722	..	483	96,866
301 to 400 . . .	25,902	25,405	4,982	5,766	1,648	360	..	..	64,063
401 to 500 . . .	18,609	19,832	6,719	4,828	2,177	881	..	..	53,046
501 to 750 . . .	32,993	32,850	6,648	5,219	1,798	1,084	..	708	81,300
751 to 1,000 . . .	21,595	13,610	3,268	5,072	835	2,595	..	..	46,975
Over 1,000 . . .	100,417	50,996	7,204	28,322	3,743	7,471	..	..	198,153
<i>Total . . .</i>	<i>533,736</i>	<i>452,861</i>	<i>121,444</i>	<i>122,071</i>	<i>68,790</i>	<i>35,436</i>	<i>1,534</i>	<i>3,733</i>	<i>1,339,605</i>
<i>Average per factory . . .</i>	<i>21.45</i>	<i>25.12</i>	<i>19.73</i>	<i>19.52</i>	<i>12.73</i>	<i>19.72</i>	<i>8.16</i>	<i>15.43</i>	<i>21.28</i>

**FACTORIES: NUMBER OF FACTORIES AND PERSONS EMPLOYED, BY SIZE OF FACTORY
AUSTRALIA(a), 1963-64 TO 1967-68**

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
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
1967-68—								
Number	52,614	285,391	8,147	344,133	2,193	710,081	62,954	1,339,605
Average per factory . . . . .	..	5.42	..	42.24	..	323.79	..	21.28

(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, 1967-68**

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-metalliciferous mine and quarry products	1,425	7,594	163	6,822	47	12,418	1,635	26,834
2. Bricks, pottery, glass, etc.	406	3,227	195	8,941	58	15,075	659	27,243
3. Chemicals, dyes, explosives, paints, oils, grease	939	5,979	310	14,238	130	34,983	1,379	55,200
4. Industrial metals, machines conveyances	25,267	128,471	3,035	125,830	911	374,652	29,213	628,953
5. Precious metals, jewellery, plate	926	3,708	54	1,791	4	664	984	6,163
6. Textiles and textile goods (not dress)	780	5,661	379	17,333	173	51,237	1,332	74,231
7. Skins and leather (not clothing or footwear)	462	2,898	124	5,370	17	3,230	603	11,498
8. Clothing (except knitted)	5,699	29,175	1,084	45,930	182	37,159	6,965	112,264
9. Food, drink and tobacco	5,500	30,258	897	39,821	292	76,389	6,689	146,468
10. Sawmills, joinery, boxes, etc., wood turning and carving	4,674	27,888	603	23,354	59	9,854	5,336	61,096
11. Furniture of wood, bedding, etc.	1,965	10,217	285	11,046	25	4,053	2,275	25,316
12. Paper, stationery, printing, bookbinding, etc.	2,290	16,848	640	27,114	155	46,816	3,085	90,778
13. Rubber	558	2,974	54	2,240	36	15,928	648	21,142
14. Musical instruments	60	279	8	346	2	207	70	832
15. Miscellaneous products	1,419	8,960	267	11,680	60	15,052	1,746	35,692
<i>Total, classes 1 to 15</i>	<i>52,370</i>	<i>284,137</i>	<i>8,098</i>	<i>341,856</i>	<i>2,151</i>	<i>697,717</i>	<i>62,619</i>	<i>1,323,710</i>
16. Heat, light and power	244	1,254	49	2,277	42	12,364	335	15,895
Total, all classes	52,614	285,391	8,147	344,133	2,193	710,081	62,954	1,339,605

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 1050). 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 1046-7), 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), 1963-64 TO 1967-68

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
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
1967-68	998,674	15,767	1.58	332,473	6,172	1.86	1,331,147	21,939	1.65

(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, 1963-64 TO 1967-68

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)—									
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
1967-68	531,185	449,945	120,852	121,417	67,335	35,178	1,519	3,716	1,331,147
Percentage of Australian total—									
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
1967-68	39.91	33.80	9.08	9.12	5.06	2.64	0.11	0.28	100
Per 1,000 of population—									
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
1967-68	122	136	70	108	75	93	25	34	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, 1963-64 TO 1967-68

Year	N.S.W.	Vic.	Qld	S.A.	W.A.	Tas.	N.T.	A.C.T.	Aust.(a)
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
1967-68	1.36	1.04	2.47	2.70	5.61	0.86	6.75	2.34	1.65

(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), 1963-64 TO 1967-68

<i>Class of industry</i>	1963-64	1964-65	1965-66	1966-67	1967-68
1. Treatment of non-metalliferous mine and quarry products	24,704	25,683	26,011	26,104	26,685
2. Bricks, pottery, glass, etc.	25,656	27,002	27,177	26,974	27,171
3. Chemicals, dyes, explosives, paints, oils, grease	49,023	51,498	53,111	54,629	55,053
4. Industrial metals, machines, conveyances	552,795	588,022	601,637	611,614	626,280
5. Precious metals, jewellery, plate	5,543	5,900	5,926	5,990	6,108
6. Textiles and textile goods (not dress)	73,076	75,281	74,708	73,036	73,804
7. Skins and leather (not clothing or footwear)	12,209	12,026	11,807	11,355	11,458
8. Clothing (except knitted)	108,909	110,613	111,793	111,909	111,040
9. Food, drink and tobacco	134,487	138,768	142,153	143,510	144,441
10. Sawmills, joinery, boxes, etc., wood turning and carving	57,650	59,815	60,642	59,976	60,274
11. Furniture of wood, bedding, etc.	22,545	23,251	23,740	24,390	25,055
12. Paper, stationery, printing, bookbinding, etc.	79,250	83,692	87,129	89,192	90,563
13. Rubber	20,261	20,813	20,416	20,198	21,111
14. Musical instruments	779	785	764	824	831
15. Miscellaneous products	27,422	30,057	31,154	33,431	35,469
<i>Total, classes 1 to 15</i>	<i>1,194,309</i>	<i>1,253,206</i>	<i>1,278,168</i>	<i>1,293,132</i>	<i>1,315,343</i>
16. Heat, light and power	15,611	15,729	15,655	16,076	15,804
Total all classes	1,209,920	1,268,935	1,293,823	1,309,208	1,331,147

(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, 1967-68

<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	10,388	7,560	3,116	2,255	2,129	888	127	222	26,685
2. Bricks, etc.	13,168	7,692	1,979	2,013	1,796	359	12	152	27,171
3. Chemicals, etc.	27,318	17,892	2,431	3,253	3,209	920	23	7	55,053
4. Industrial metals, machines, etc.	267,936	192,073	47,703	72,643	31,694	12,155	870	1,206	626,280
5. Jewellery, etc.	2,376	2,218	365	572	288	47	..	242	6,108
6. Textiles, etc.	20,997	43,077	2,157	2,829	758	3,986	..	..	73,804
7. Skins, leather, etc.	5,074	3,715	1,078	994	549	48	..	..	11,458
8. Clothing, etc.	44,418	49,027	8,489	5,162	3,015	726	22	181	111,040
9. Food, drink, etc.	44,357	44,143	28,420	12,264	9,340	5,413	193	311	144,441
10. Sawmills, etc.	19,629	15,724	9,036	5,546	6,084	3,919	78	258	60,274
11. Furniture, etc.	9,805	7,167	3,249	2,261	1,840	672	14	47	25,055
12. Paper, stationery, etc.	36,222	30,991	7,477	5,724	3,722	5,314	60	1,053	90,563
13. Rubber	8,202	8,503	1,983	1,724	508	139	15	37	21,111
14. Musical instruments	540	216	22	24	29	..	..	..	831
15. Miscellaneous	15,652	15,060	1,256	2,329	1,010	162	..	..	35,469
<i>Total, classes 1 to 15</i>	<i>526,082</i>	<i>445,058</i>	<i>118,761</i>	<i>119,593</i>	<i>65,971</i>	<i>34,748</i>	<i>1,414</i>	<i>3,716</i>	<i>1,315,343</i>
16. Heat, light and power	5,103	4,887	2,091	1,824	1,364	430	105	..	15,804
Total all classes	531,185	449,945	120,852	121,417	67,335	35,178	1,519	3,716	1,331,147

(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, 1967-68**

State or Territory	Average number of persons employed				Total
	Working proprietors	Managerial and clerical staff, etc.	Chemists, draughtsmen etc.	Foremen and overseers, workers in factory and others(a)	
New South Wales	13,825	78,755	12,183	426,422	531,185
Victoria	12,025	63,164	10,189	364,567	449,945
Queensland	4,690	15,216	1,704	99,242	120,852
South Australia	3,997	16,206	2,787	98,427	121,417
Western Australia	3,455	7,706	914	55,260	67,335
Tasmania	975	4,204	715	29,284	35,178
Northern Territory	88	238	4	1,189	1,519
Australian Capital Territory	156	629	27	2,904	3,716
Total males	32,906	114,791	25,447	825,530	998,674
Total females	6,305	71,327	3,076	251,765	332,473
Total persons	39,211	186,118	28,523	1,077,295	1,331,147

(a) 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), 1963-64 TO 1967-68

EXCLUDING WORKING PROPRIETORS

Month	1963-64	1964-65	1965-66	1966-67	1967-68
MALES					
July	867,166	911,211	940,995	944,379	957,444
August	869,030	912,301	940,562	944,066	957,700
September	872,381	914,016	939,023	942,483	958,661
October	875,318	915,883	935,842	943,532	960,240
November	879,265	918,029	938,019	948,409	964,606
December	875,159	917,952	931,923	942,213	957,887
January	884,788	922,676	935,635	948,181	963,059
February	893,400	930,968	942,486	955,604	971,900
March	894,393	934,409	944,702	957,679	975,287
April	897,783	934,496	941,325	957,948	972,438
May	898,809	933,759	941,860	957,356	973,117
June	901,507	933,803	940,563	955,085	973,332

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

**FACTORIES: MONTHLY EMPLOYMENT
BY SEX, AUSTRALIA(a), 1963-64 TO 1967-68—continued**

<i>Month</i>	<i>1963-64</i>	<i>1964-65</i>	<i>1965-66</i>	<i>1966-67</i>	<i>1967-68</i>
FEMALES					
July	274,312	295,743	310,759	314,479	321,366
August	277,063	297,752	311,629	315,007	322,385
September	279,713	301,106	313,559	315,600	324,271
October	283,778	304,287	314,539	318,251	326,767
November	285,296	305,939	315,070	319,341	327,404
December	282,296	301,987	310,424	314,881	322,358
January	283,279	302,729	310,051	316,345	321,880
February	291,966	310,989	317,691	325,236	329,969
March	293,424	315,493	319,760	327,895	332,943
April	290,823	311,114	314,458	324,889	327,904
May	290,301	309,466	313,345	322,885	327,754
June	290,833	308,583	312,896	322,226	327,719
PERSONS					
July	1,141,478	1,206,954	1,251,754	1,258,858	1,278,810
August	1,146,093	1,210,053	1,252,191	1,259,073	1,280,085
September	1,152,094	1,215,122	1,252,582	1,258,083	1,282,932
October	1,159,096	1,220,170	1,250,381	1,261,783	1,287,007
November	1,164,561	1,223,968	1,253,089	1,267,750	1,292,010
December	1,157,455	1,219,939	1,242,347	1,257,094	1,280,245
January	1,168,067	1,225,405	1,245,686	1,264,526	1,284,939
February	1,185,366	1,241,957	1,260,177	1,280,840	1,301,869
March	1,187,817	1,249,902	1,264,462	1,285,574	1,308,230
April	1,188,606	1,245,610	1,255,783	1,282,837	1,300,342
May	1,189,110	1,243,225	1,255,205	1,280,241	1,300,871
June	1,192,340	1,242,386	1,253,459	1,277,311	1,301,051

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

**FACTORIES: MONTHLY EMPLOYMENT, BY SEX, STATES AND TERRITORIES
1967-68**

EXCLUDING WORKING PROPRIETORS

<i>Month</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>
MALES									
July	381,626	304,201	95,428	92,705	51,874	27,492	1,285	2,833	957,444
August	381,666	304,038	95,377	93,023	52,134	27,326	1,295	2,841	957,700
September	382,002	303,848	95,631	93,632	52,189	27,254	1,283	2,822	958,661
October	382,558	304,196	95,508	94,123	52,483	27,241	1,297	2,834	960,240
November	384,700	305,967	94,491	94,803	52,983	27,511	1,279	2,872	964,606
December	383,698	305,555	88,842	94,785	53,093	27,776	1,259	2,879	957,887
January	384,238	306,978	90,170	95,707	53,711	28,103	1,247	2,905	963,059
February	385,876	309,465	93,332	96,910	54,283	27,828	1,294	2,912	971,900
March	386,658	309,861	94,553	97,460	54,666	27,836	1,329	2,924	975,287
April	386,028	307,596	95,174	97,056	54,596	27,740	1,333	2,915	972,438
May	387,003	306,380	95,584	97,355	54,734	27,811	1,358	2,892	973,117
June	386,687	305,729	96,682	97,409	54,902	27,652	1,365	2,906	973,332
FEMALES									
July	132,225	129,046	21,937	21,146	9,739	6,489	123	661	321,366
August	132,612	129,606	22,125	21,184	9,745	6,311	128	674	322,385
September	133,915	129,987	22,187	21,306	9,894	6,182	125	675	324,271
October	135,200	130,719	22,148	21,614	10,139	6,139	130	678	326,767
November	135,197	131,364	21,830	21,710	10,244	6,233	133	693	327,404
December	132,453	129,851	20,987	21,816	10,143	6,294	126	688	322,358
January	130,931	130,650	20,948	22,088	10,017	6,428	127	691	321,880
February	133,645	133,812	21,962	22,863	10,292	6,584	125	686	329,969
March	134,290	134,972	22,119	23,164	10,671	6,912	120	695	332,943
April	133,600	131,825	21,798	22,195	10,636	7,053	125	672	327,904
May	133,727	131,194	22,178	22,343	10,520	6,986	131	675	327,754
June	134,112	130,948	22,253	22,435	10,344	6,809	140	678	327,719

FACTORIES: MONTHLY EMPLOYMENT, BY SEX, STATES AND TERRITORIES, 1967-68—*contd*

Month	N.S.W.	Vic.	Qld	S.A.	W.A.	Tas.	N.T.	A.C.T.	Aust.
PERSONS									
July	513,851	433,247	117,365	113,851	61,613	33,981	1,408	3,494	1,278,810
August	514,278	433,644	117,502	114,207	61,879	33,637	1,423	3,515	1,280,085
September	515,917	433,835	117,818	114,938	62,083	33,436	1,408	3,497	1,282,932
October	517,758	434,915	117,656	115,737	62,622	33,380	1,427	3,512	1,287,007
November	519,897	437,331	116,321	116,513	63,227	33,744	1,412	3,565	1,292,010
December	516,151	435,406	109,829	116,601	63,236	34,070	1,385	3,567	1,280,245
January	515,169	437,628	111,118	117,795	63,728	34,531	1,374	3,596	1,284,939
February	519,521	443,277	115,294	119,773	64,575	34,412	1,419	3,598	1,301,869
March	520,948	444,833	116,672	120,624	65,337	34,748	1,449	3,619	1,308,230
April	519,628	439,421	116,972	119,251	65,232	34,793	1,458	3,587	1,300,342
May	520,730	437,574	117,762	119,698	65,254	34,797	1,489	3,567	1,300,871
June	520,799	436,677	118,935	119,844	65,246	34,461	1,505	3,584	1,301,051

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 1964 TO JUNE 1968

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
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
1968	4,963	105,691	862,678	4,387	52,546	270,786	9,350	158,237	1,133,464

(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, 1963-64 to 1967-68

State or Territory	1963-64	1964-65	1965-66	1966-67	1967-68
MALES					
New South Wales		366,250	379,672	387,181	395,838
Victoria		295,440	307,006	310,303	316,108
Queensland		91,123	95,328	96,150	98,027
South Australia		90,933	94,690	96,194	98,929
Western Australia		48,163	50,065	51,464	56,835
Tasmania		26,221	26,768	28,041	28,550
Northern Territory		n.a.	1,098	1,182	1,380
Australian Capital Territory		n.a.	2,634	2,896	3,007
Australia(a)		918,130	957,261	973,411	998,674
FEMALES					
New South Wales		121,503	129,307	132,183	133,967
Victoria		117,680	125,407	128,846	133,837
Queensland		19,573	20,918	21,431	22,825
South Australia		19,880	21,493	22,149	22,488
Western Australia		7,542	8,032	8,818	9,776
Tasmania		5,612	5,812	6,274	6,515
Northern Territory		n.a.	112	112	139
Australian Capital Territory		n.a.	593	599	709
Australia(a)		291,790	311,674	320,412	332,473

(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, 1963-64 TO 1967-68**

<i>State or Territory</i>	<i>1963-64</i>	<i>1964-65</i>	<i>1965-66</i>	<i>1966-67</i>	<i>1967-68</i>
MALES					
New South Wales	2.27	3.66	1.98	0.75	1.47
Victoria	3.41	3.91	1.07	1.20	0.67
Queensland	5.30	4.61	0.86	-0.07	2.02
South Australia	4.94	4.13	1.59	-0.12	2.97
Western Australia	4.13	3.95	2.79	4.89	5.29
Tasmania	3.02	2.09	4.76	1.15	0.66
Northern Territory	n.a.	n.a.	7.65	10.66	5.50
Australian Capital Territory	n.a.	n.a.	9.95	3.31	0.50
Australia(a)	3.31	4.26	1.69	0.98	1.58
FEMALES					
New South Wales	3.73	6.42	2.22	1.35	1.03
Victoria	4.94	6.57	2.74	1.90	1.94
Queensland	6.02	6.87	2.45	1.98	4.44
South Australia	6.82	8.11	3.05	-0.02	1.55
Western Australia	5.00	6.50	9.79	10.86	7.41
Tasmania	5.85	3.56	7.95	3.84	1.73
Northern Territory	n.a.	n.a.	..	2.68	20.87
Australian Capital Territory	n.a.	n.a.	1.01	6.68	10.95
Australia(a)	4.65	6.81	2.80	1.84	1.86

(a) Before 1 July 1964, 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, 1963-64 TO 1967-68**

<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>
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
1967-68	292	236	429	440	541	431	993	424	300

(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 1967-68 these industries accounted for 76.75 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 137 females to every 100 males, and in Class 8, Clothing, with 300 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, 1967-68**

<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>
Males—									
Industrial metals, etc.	228,877	162,487	43,729	64,263	29,495	11,357	807	1,100	542,115
Textiles and textile goods (not dress)	9,024	17,696	915	1,313	368	1,772	..	..	31,088
Clothing (except knitted)	10,295	12,731	1,970	1,656	767	281	13	56	27,769
Food, drink and tobacco	29,623	28,826	22,507	7,940	6,515	3,651	158	216	99,436
All other classes	118,019	94,368	28,906	23,757	19,690	11,489	402	1,635	298,266
<i>Total males</i>	<i>395,838</i>	<i>316,108</i>	<i>98,027</i>	<i>98,929</i>	<i>56,835</i>	<i>28,550</i>	<i>1,380</i>	<i>3,007</i>	<i>998,674</i>
Females—									
Industrial metals, etc.	39,059	29,586	3,974	8,380	2,199	798	63	106	84,165
Textiles and textile goods (not dress)	11,973	25,381	1,242	1,516	390	2,214	..	..	42,716
Clothing (except knitted)	34,123	36,296	6,519	3,506	2,248	445	9	125	83,271
Food, drink and tobacco	14,734	15,317	5,913	4,324	2,825	1,762	35	95	45,005
All other classes	35,458	27,257	5,177	4,762	2,838	1,409	32	383	77,316
<i>Total females</i>	<i>135,347</i>	<i>133,837</i>	<i>22,825</i>	<i>22,488</i>	<i>10,500</i>	<i>6,628</i>	<i>139</i>	<i>709</i>	<i>332,473</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 1966 to 1968.

**FACTORIES: CHILDREN^(a) EMPLOYED
STATES AND TERRITORIES, JUNE 1966 TO JUNE 1968**

<i>State or Territory</i>	<i>June 1966</i>			<i>June 1967</i>			<i>June 1968</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	2,212	1,748	3,960	1,921	1,642	3,563	1,554	1,603	3,157
Victoria	1,525	1,488	3,013	1,333	1,392	2,725	1,150	1,097	2,247
Queensland	1,369	1,132	2,501	1,106	1,074	2,180	1,033	877	1,910
South Australia	471	471	942	386	433	819	344	376	720
Western Australia	944	430	1,374	792	307	1,099	767	331	1,098
Tasmania	126	87	213	141	131	272	98	96	194
Northern Territory	3	..	3	4	..	4	8	2	10
Australian Capital Territory	40	8	48	20	26	46	9	5	14
<i>Australia</i>	<i>6,690</i>	<i>5,364</i>	<i>12,054</i>	<i>5,703</i>	<i>5,005</i>	<i>10,708</i>	<i>4,963</i>	<i>4,387</i>	<i>9,350</i>

(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^(a) EMPLOYED, BY SEX, AND CLASS OF INDUSTRY
AUSTRALIA, JUNE 1968**

Class of industry	Children employed ^(a)		Total employed ^(b)		Proportion (per cent) of children employed to total employees ^(b)	
	Males	Females	Males	Females	Males	Females
Industrial metals, machines, conveyances	2,502	415	525,661	82,485	0.48	0.50
Textiles and textile goods (not dress).	179	605	30,702	42,513	0.58	1.42
Clothing (except knitted)	238	2,211	23,772	81,587	1.00	2.71
Food, drink and tobacco	538	437	95,651	43,588	0.56	1.00
Sawmills, joinery, boxes, etc.	432	71	52,832	4,411	0.82	1.61
Furniture of wood, bedding, etc.	249	64	17,444	5,908	1.43	1.08
Paper, stationery, printing, book-binding etc.	387	338	64,569	24,415	0.60	1.38
All other industries	438	246	155,137	41,261	0.28	0.60
Total, all classes	4,963	4,387	965,768	326,168	0.51	1.35

(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^(a): TOTAL RATED HORSEPOWER OF ENGINES
AND ELECTRIC MOTORS, STATES AND TERRITORIES, 1967-68**

State or Territory	Factories ^(a)	Rated horsepower of engines and motors	
		Ordinarily in use ^(b)	In reserve or idle (omitting obsolete)
New South Wales	24,834	3,495,027	467,399
Victoria	18,014	2,150,763	298,556
Queensland	6,111	930,126	139,897
South Australia	6,227	800,952	66,801
Western Australia	5,315	485,644	89,879
Tasmania	1,776	373,840	56,605
Northern Territory	183	7,017	690
Australian Capital Territory	242	14,181	1,444
Australia	62,702	8,257,550	1,121,271

(a) Excludes electric light and power works, details of which are shown on pages 1057-8.
(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, 1967-68

State or Territory	Steam		Internal combustion (all types)	Water	Motors driven by electricity		Total(b)
	Reciprocating	Turbine			Purchased	Own generation	
New South Wales	47,919	266,992	66,519	85	3,113,512	140,908	3,495,027
Victoria . . .	15,051	115,678	54,044	830	1,965,160	111,085	2,150,763
Queensland . . .	51,408	227,731	29,418	..	621,569	193,042	930,126
South Australia . . .	3,011	57,952	10,886	..	729,103	28,739	800,952
Western Australia . . .	7,681	19,728	31,095	..	427,140	12,428	485,644
Tasmania . . .	775	..	19,091	..	353,974	3,206	373,840
Northern Territory	..	..	182	..	6,835	140	7,017
Australian Capital Territory . . .	1	35	289	..	13,856	..	14,181
Australia . . .	125,846	688,116	211,524	915	7,231,149	489,548	8,257,550

(a) Excludes electric light and power works, details of which are shown on pages 1057-8. (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), 1963-64 TO 1967-68

Year	Steam		Internal combustion (all types)	Water	Motors driven by electricity		Total(c)
	Reciprocating	Turbine			Purchased	Own generation	
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
1967-68 . . .	125,846	688,116	211,524	915	7,231,149	489,548	8,257,550

(a) Excludes electric light and power works, details of which are shown on pages 1057-8. (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, 1967-68

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 . . .	136,839	115,059	45,205	51,569	29,005	24,980	486	948	404,091
2. Bricks, etc.	86,688	60,043	14,623	17,859	20,686	3,838	(d)	(d)	205,556
3. Chemicals, etc.	422,978	265,433	65,518	48,754	70,176	22,964	(d)	(d)	896,861
4. Industrial metals, machines, etc.	1,927,916	757,653	207,299	440,549	181,626	91,971	2,219	1,466	3,610,699
5. Jewellery, etc.	4,394	4,104	699	1,275	699	134	..	4,516	15,821
6. Textiles, etc.	73,486	126,108	11,243	9,593	3,897	11,888	..	..	236,215
7. Skins, leather, etc.	19,250	19,817	6,562	6,218	3,679	485	..	..	56,011
8. Clothing, etc.	30,479	34,967	6,080	5,529	2,883	928	45	246	81,157
9. Food, drink etc.	276,683	275,885	386,440	77,612	63,433	37,670	2,359	1,052	1,121,134
10. Sawmills, etc.	201,766	140,019	123,405	60,940	73,394	58,645	689	2,180	661,038
11. Furniture, etc.	25,515	17,072	10,257	7,702	5,341	1,966	(d)	(d)	67,953
12. Paper, stationery, etc.	131,797	148,221	32,798	39,994	20,885	117,236	81	1,651	492,663
13. Rubber	75,839	100,030	13,343	18,694	5,241	573	130	173	214,023
14. Musical instruments	1,761	297	50	11	11	..	..	..	2,130
15. Miscellaneous	57,072	58,324	4,171	6,667	3,292	436	..	..	129,962
<i>Total, classes 1 to 15</i>	<i>3,472,463</i>	<i>2,123,032</i>	<i>927,693</i>	<i>792,966</i>	<i>484,248</i>	<i>373,714</i>	<i>7,017</i>	<i>14,181</i>	<i>8,195,314</i>
16. Gas works	22,564	27,731	2,433	7,986	1,396	126	..	..	62,236
Total, all classes	3,495,027	2,150,763	930,126	800,952	485,644	373,840	7,017	14,181	8,257,550

(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 1060. (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, 1967-68

Equipment	Capacity of engines and generators					
	Steam		Internal combustion (all types)		Water	Total
	Reciprocating	Turbine				
Engines installed—						
Total installed	rated hp	800	11,507,615	538,886	4,346,285	16,393,586
Generators installed—						
Kilowatt capacity—						
Total installed	kW	560	8,646,742	370,118	3,135,500	12,152,920
Effective capacity	„	500	8,567,277	349,408	3,111,185	12,028,370
Horsepower equivalent—						
Total installed	hp	751	11,590,785	496,136	4,203,074	16,290,746
Effective capacity	„	670	11,484,263	468,374	4,170,482	16,123,789

**CENTRAL ELECTRIC STATIONS: NUMBER AND POWER EQUIPMENT
STATES AND TERRITORIES, 1967-68**

<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	16	43	28	89	21	5	..	252
Engines installed	rated hp	7,524,053	3,543,153	1,904,145	1,085,294	919,502	1,367,439	50,000	..	16,393,586
Generators installed—										
Kilowatt capacity—										
Total installed	kW	5,600,394	2,643,560	1,407,245	810,520	674,517	958,490	58,194	..	12,152,920
Effective capacity	„	5,565,639	2,631,545	1,334,850	814,094	667,645	955,321	59,276	..	12,028,370
Horsepower equivalent—										
Total installed	hp	7,507,216	3,543,639	1,886,385	1,086,486	904,177	1,284,837	78,008	..	16,290,746
Effective capacity	„	7,460,628	3,527,533	1,789,340	1,091,277	894,965	1,280,589	79,458	..	16,123,789

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 1967-68 was \$17,094 million, of which \$9,104 million (53.3 per cent) was the value of the materials used, including containers, etc., tools replaced, and repairs to plant and buildings, and \$559 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, \$7,431 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 1063). 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, 1967-68**

(\$'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	34,510	23,989	9,560	6,654	6,202	2,727	424	873	84,938
2. Bricks, etc.	40,807	23,275	5,878	5,818	5,334	1,044	(b)	(b)	82,699
3. Chemicals, etc.	88,894	59,759	7,551	10,039	10,524	3,269	(b)	(b)	180,180
4. Industrial metals, machines, etc.	801,962	570,717	124,210	209,538	85,426	35,538	2,919	3,515	1,833,825
5. Jewellery, etc.	5,148	5,493	726	1,049	529	88	..	924	13,956
6. Textiles, etc.	49,189	99,945	4,305	6,444	1,560	8,859	..	..	170,302
7. Skins, leather, etc.	12,030	9,071	2,617	2,675	1,296	121	..	..	27,810
8. Clothing, etc.	82,053	96,531	12,980	8,564	4,340	1,222	47	348	206,086
9. Food, drink, etc.	117,308	118,363	76,920	29,242	22,575	13,591	592	814	379,405
10. Sawmills, etc.	50,812	40,307	20,130	12,794	15,402	9,655	250	781	150,131
11. Furniture, etc.	24,338	16,809	6,891	4,563	3,886	1,329	(b)	(b)	57,964
12. Paper, stationery, etc.	107,501	92,314	20,102	15,440	10,044	16,543	185	3,292	265,422
13. Rubber	24,068	26,085	4,992	5,590	1,352	355	48	112	62,601
14. Musical instruments	1,388	581	36	36	55	..	..	..	2,097
15. Miscellaneous	41,256	43,390	2,870	5,267	2,042	304	..	..	95,130
<i>Total, classes 1 to 15</i>	<i>1,481,266</i>	<i>1,226,628</i>	<i>299,768</i>	<i>323,713</i>	<i>170,567</i>	<i>94,646</i>	<i>4,673</i>	<i>11,285</i>	<i>3,612,546</i>
16. Heat, light and power	16,801	17,588	6,187	6,347	4,534	1,590	310	..	53,357
Total, all classes	1,498,067	1,244,216	305,955	330,060	175,100	96,236	4,983	11,285	3,665,902

(a) For full titles *see* table on page 1060.

(b) Not available for publication.

SALARIES AND WAGES, VALUE OF MATERIALS, OUTPUT, PRODUCTION 1059

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, 1963-64 TO 1967-68

Year	N.S.W.	Vic.	Qld	S.A.	W.A.	Tas.	N.T.	A.C.T.	Aust.(a)
MALES									
Total amount paid (\$'000)—									
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	949,745	251,545	266,640	140,114	80,685	4,146	9,306	2,876,656
1967-68 . . .	1,258,255	1,011,261	272,301	295,065	159,487	85,329	4,721	9,968	3,096,386
Average per male employee (\$)—									
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
1967-68 . . .	3,277	3,299	2,888	3,092	2,974	3,085	3,623	3,462	3,206
FEMALES									
Total amount paid (\$'000)—									
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
1967-68 . . .	239,812	232,956	33,654	34,995	15,613	10,908	263	1,317	569,516
Average per female employee (\$)—									
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
1967-68 . . .	1,798	1,773	1,538	1,592	1,522	1,668	2,051	1,933	1,746
PERSONS									
Total amount paid (\$'000)—									
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
1967-68 . . .	1,498,067	1,244,216	305,955	330,060	175,100	96,236	4,983	11,285	3,665,902
Average per employee (\$)—									
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
1967-68 . . .	2,896	2,841	2,634	2,811	2,741	2,814	3,482	3,170	2,838

(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, 1967-68**

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	14,226	2,394	67,937	381
2. Bricks, pottery, glass, etc.	10,203	2,165	67,141	3,190
3. Chemicals, dyes, explosives, paints, oils, grease	48,357	10,655	108,349	12,819
4. Industrial metals, machines, conveyances	327,091	63,546	1,355,680	87,507
5. Precious metals, jewellery, plate	2,076	640	9,876	1,364
6. Textiles and textile goods (not dress)	19,465	7,602	76,938	66,297
7. Skins and leather (not clothing or footwear)	3,383	911	17,711	5,806
8. Clothing (except knitted)	17,597	9,290	52,285	126,914
9. Food, drink and tobacco	59,682	18,718	243,914	57,092
10. Sawmills, joinery, boxes, etc., wood turning and carving	19,062	4,241	124,002	2,826
11. Furniture of wood, bedding, etc.	7,157	2,743	41,075	6,989
12. Paper, stationery, printing, bookbinding, etc.	41,502	12,664	181,969	29,287
13. Rubber	10,878	2,396	43,473	5,853
14. Musical instruments	256	103	1,404	335
15. Miscellaneous products	17,982	5,817	52,692	18,638
<i>Total, classes 1 to 15</i>	<i>598,918</i>	<i>143,883</i>	<i>2,444,446</i>	<i>425,299</i>
16. Heat, light and power	6,044	275	46,978	59
Total, all classes	604,963	144,158	2,491,423	425,358
Average paid per employee	\$ 4,314	\$ 1,938	\$ 3,018	\$ 1,690

Power, fuel and light used

Value by class of industry

**FACTORIES: VALUE OF POWER, FUEL AND LIGHT USED(a), BY CLASS OF INDUSTRY
STATES AND TERRITORIES, 1967-68**

(\$'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	12,714	6,628	3,021	2,272	1,883	1,131	27	53	27,728
2. Bricks, etc.	10,416	6,622	1,811	1,749	2,034	435	(c)	(c)	23,268
3. Chemicals, etc.	28,234	21,313	3,512	4,779	5,360	1,083	(c)	(c)	64,375
4. Industrial metals, etc.	125,799	34,950	11,244	27,512	7,153	9,304	74	61	216,098
5. Jewellery, etc.	397	467	51	116	80	6	..	186	1,304
6. Textiles, etc.	4,039	7,268	278	532	161	659	..	..	12,938
7. Skins, leather, etc.	843	942	218	278	152	12	..	..	2,444
8. Clothing, etc.	2,223	2,578	429	342	198	85	5	26	5,886
9. Food, drink, etc.	15,722	16,624	8,962	3,392	3,162	1,747	146	78	49,834
10. Sawmills, etc.	3,389	2,280	1,428	960	947	954	8	17	9,984
11. Furniture, etc.	593	421	136	120	84	34	(c)	(c)	1,391
12. Paper, stationery, etc.	5,463	8,174	1,341	2,039	701	3,699	14	171	21,602
13. Rubber	2,491	3,370	512	588	147	42	8	17	7,173
14. Musical instruments	85	27	2	1	1	..	..	..	115
15. Miscellaneous	2,572	4,142	144	287	116	12	..	..	7,272
<i>Total, classes 1 to 15</i>	<i>214,979</i>	<i>115,808</i>	<i>33,086</i>	<i>44,967</i>	<i>22,180</i>	<i>19,206</i>	<i>359</i>	<i>830</i>	<i>451,414</i>
16. Heat, light and power	37,661	27,278	18,785	11,238	11,381	279	798	..	107,421
Total, all classes	252,639	143,086	51,871	56,205	33,561	19,485	1,157	830	558,834

(a) Includes value of lubricants and water.

(b) For full titles see table above.

(c) Not available for publication.

SALARIES AND WAGES, VALUE OF MATERIALS, OUTPUT, PRODUCTION 1061

Total value

FACTORIES: VALUE OF POWER, FUEL AND LIGHT USED(a), STATES AND TERRITORIES
1963-64 TO 1967-68
(\$'000)

Year	N.S.W.	Vic.	Qld	S.A.	W.A.	Tas.	N.T.	A.C.T.	Aust.(b)
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
1967-68 . . .	252,639	143,086	51,871	56,205	33,561	19,485	1,157	830	558,834

(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, 1967-68
(\$'000)

Item of power, fuel, etc.	N.S.W.	Vic.	Qld	S.A.	W.A.	Tas.	N.T.	A.C.T.	Aust.
Coal, black . . .	39,219	2,444	21,977	(b)7,416	5,540	564	..	94	77,254
" brown . . .	2	19,760	..	(c)	..	..	..	..	19,763
Brown coal briquettes	10	9,937	..	(c)	..	(c)	..	(c)	9,947
Coke . . .	47,620	1,106	1,159	12,684	632	686	..	..	63,887
Wood . . .	675	542	379	460	582	85	2	(c)	2,726
Fuel oil . . .	32,160	27,480	8,823	13,512	13,035	5,191	838	179	101,219
Tar (fuel) . . .	2,653	163	14	117	47	14	29	2	3,038
Electricity . . .	77,657	63,558	14,549	16,014	8,935	11,366	219	486	192,784
Gas . . .	23,545	4,710	527	2,105	267	92	(c)	(c)	31,247
Other (charcoal, etc.)	13,912	3,122	767	1,083	2,554	653	3	7	22,101
Water . . .	10,928	7,249	2,458	1,806	1,219	546	32	35	24,273
Lubricating oils . . .	4,259	3,014	1,217	1,009	749	287	35	26	10,595
Total . . .	252,639	143,086	51,871	56,205	33,561	19,485	1,157	830	558,834

(a) Includes value of lubricants and water. (b) Includes \$5,815,603 the value of 2,078,280 tons of sub-bituminous Leigh Creek coal. (c) Less than \$500.

Quantities of fuel used

FACTORIES: QUANTITIES OF FUEL USED, STATES AND TERRITORIES, 1967-68

Fuel	N.S.W.	Vic.	Qld	S.A.	W.A.	Tas.	N.T.	A.C.T.	Aust.
Coal, black . . . '000 tons	8,118	241	2,802	(a)2,235	912	56	..	6	14,370
" brown . . . "	1	18,190	..	(b)	..	..	..	..	18,191
Brown coal briquettes . . . "	1	855	..	(b)	..	(b)	..	(b)	856
Coke . . . "	2,821	45	32	598	23	19	..	..	3,537
Wood . . . "	138	133	94	235	158	35	(b)	(b)	792
Fuel oil . . . '000 gal	459,771	375,696	119,532	190,774	189,613	67,314	8,483	1,306	1,412,489
Tar (fuel) . . . '000 tons	164	8	1	10	3	1	3	(b)	190

(a) Includes 2,078,280 tons of Leigh Creek coal. (b) Less than 500 tons.

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, 1967-68**

(\$'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 . . .	136,295	63,703	22,813	17,981	18,342	5,978	1,549	3,586	270,249
2. Bricks, etc.	40,768	25,138	5,334	5,956	3,849	700	(b)	(b)	82,482
3. Chemicals, etc.	445,473	320,707	75,981	63,339	98,854	9,342	(b)	(b)	1,014,123
4. Industrial metals, etc. . .	1,758,591	946,395	319,829	450,916	158,212	71,091	3,313	4,234	3,712,583
5. Jewellery, etc.	6,681	5,815	729	877	392	72	..	1,463	16,030
6. Textiles, etc.	119,996	238,882	9,254	11,949	4,959	19,200	..	..	404,240
7. Skins, leather, etc.	30,343	19,170	5,081	10,006	1,653	686	..	..	66,939
8. Clothing, etc.	138,787	139,926	14,511	10,127	4,467	1,048	29	219	309,113
9. Food, drink, etc.	531,204	596,795	503,808	131,253	111,632	61,749	1,411	2,559	1,940,410
10. Sawmills, etc.	116,588	80,082	38,989	26,809	29,298	23,978	423	1,321	317,488
11. Furniture, etc.	48,123	34,615	14,646	9,212	8,903	2,702	(b)	(b)	118,581
12. Paper, stationery, etc. . .	200,791	186,814	35,322	26,666	15,775	28,862	99	1,695	496,025
13. Rubber	49,466	54,136	10,725	9,197	3,254	732	97	420	128,027
14. Musical instruments . . .	2,855	694	36	15	14	..	..	..	3,614
15. Miscellaneous	69,753	87,290	5,410	10,218	3,423	195	..	..	176,289
<i>Total, classes 1 to 15</i>	<i>3,695,714</i>	<i>2,800,162</i>	<i>1,062,468</i>	<i>784,522</i>	<i>463,028</i>	<i>226,337</i>	<i>7,581</i>	<i>16,382</i>	<i>9,056,193</i>
16. Heat, light and power	17,181	13,262	10,076	3,496	2,526	1,236	414	..	48,190
Total, all classes	3,712,895	2,813,424	1,072,543	788,018	465,554	227,573	7,995	16,382	9,104,383

(a) For full titles see table on page 1060. (b) Not available for publication.

Total amount

**FACTORIES: VALUE OF MATERIALS USED, STATES AND TERRITORIES
1963-64 TO 1967-68**

(\$'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>
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	2,671,315	982,896	728,094	399,406	223,566	7,214	14,918	8,493,544
1967-68	3,712,895	2,813,424	1,072,543	788,018	465,554	227,573	7,995	16,382	9,104,383

(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 1967-68 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 1063).

**FACTORIES: VALUE OF OUTPUT, BY CLASS OF INDUSTRY
STATES AND TERRITORIES, 1967-68**
(\$'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 . . .	226,700	124,125	48,919	39,197	39,125	15,221	2,824	5,553	501,664
2. Bricks, etc.	130,585	78,438	18,990	19,154	17,168	3,134	(b)	(b)	269,138
3. Chemicals, etc.	812,247	550,678	123,581	106,828	151,640	19,614	(b)	(b)	1,765,495
4. Industrial metals, etc.	3,297,441	1,903,178	562,325	838,189	324,668	148,969	7,879	9,663	7,092,313
5. Jewellery, etc.	16,948	16,362	1,930	3,084	1,680	233	..	3,451	43,688
6. Textiles, etc.	223,550	426,636	17,722	23,392	8,134	32,762	..	..	732,196
7. Skins, leather, etc.	52,394	35,767	9,841	14,506	4,036	871	..	..	117,414
8. Clothing, etc.	293,983	300,436	38,376	25,629	12,187	3,465	91	909	675,075
9. Food, drink, etc.	864,475	907,400	688,461	203,335	168,359	88,500	2,877	4,321	2,927,728
10. Sawmills, etc.	214,317	149,536	77,926	50,895	60,248	42,894	783	2,593	599,192
11. Furniture, etc.	93,467	65,287	26,668	17,790	16,638	5,044	(b)	(b)	225,584
12. Paper, stationery, etc.	440,823	381,686	73,546	61,523	36,186	65,207	386	7,243	1,066,600
13. Rubber	89,951	108,131	21,716	19,765	6,267	1,571	249	795	248,446
14. Musical instruments	9,927	1,562	103	78	98	..	..	..	11,768
15. Miscellaneous	149,658	171,665	12,146	21,839	7,811	653	..	..	363,772
<i>Total, classes 1 to 15</i>	<i>6,916,466</i>	<i>5,220,888</i>	<i>1,722,249</i>	<i>1,445,204</i>	<i>854,246</i>	<i>428,138</i>	<i>16,300</i>	<i>36,583</i>	<i>16,640,075</i>
16. Heat, light and power	180,050	130,422	60,018	30,909	33,126	16,938	2,531	..	453,995
Total, all classes	7,096,517	5,351,311	1,782,267	1,476,113	887,372	445,076	18,831	36,583	17,094,070

(a) For full titles see table on page 1060. (b) Not available for publication.

Total value

FACTORIES: VALUE OF OUTPUT, STATES AND TERRITORIES, 1963-64 TO 1967-68
(\$'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>
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	6,632,474	5,041,051	1,622,451	1,343,160	765,224	437,964	16,007	34,514	15,892,845
1967-68	7,096,517	5,351,311	1,782,267	1,476,113	887,372	445,076	18,831	36,583	17,094,070

(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, 1967-68
(\$'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	77,691	53,794	23,085	18,944	18,900	8,112	1,248	1,914	203,687
2. Bricks, etc.	79,400	46,678	11,845	11,449	11,284	1,999	(b)	(b)	163,388
3. Chemicals, etc.	338,540	208,658	44,089	38,710	47,426	9,189	(b)	(b)	686,997
4. Industrial metals, etc.	1,413,051	921,834	231,252	359,761	159,303	68,573	4,491	5,367	3,163,632
5. Jewellery, etc.	9,870	10,080	1,149	2,091	1,207	155	..	1,801	26,355
6. Textiles, etc.	99,514	180,486	8,190	10,911	3,015	12,902	..	..	315,017
7. Skins, leather, etc.	21,208	15,655	4,542	4,222	2,230	173	..	..	48,031
8. Clothing, etc.	152,973	157,932	23,436	15,160	7,523	2,332	57	664	360,076
9. Food, drink, etc.	317,550	293,980	175,692	68,689	53,565	25,004	1,321	1,684	937,484
10. Sawmills, etc.	94,340	67,173	37,509	23,126	30,003	17,962	352	1,254	271,719
11. Furniture, etc.	44,752	30,250	11,886	8,458	7,651	2,307	(b)	(b)	105,612
12. Paper, stationery, etc.	234,570	186,700	36,884	32,818	19,709	32,646	273	5,376	548,973
13. Rubber	37,994	50,626	10,480	9,980	2,866	797	144	359	113,245
14. Musical instruments	6,988	841	66	62	83	..	..	..	8,040
15. Miscellaneous	77,334	80,234	6,592	11,333	4,273	445	..	..	180,211
<i>Total, classes 1 to 15</i>	<i>3,005,773</i>	<i>2,304,919</i>	<i>626,696</i>	<i>615,715</i>	<i>369,037</i>	<i>182,596</i>	<i>8,360</i>	<i>19,372</i>	<i>7,132,468</i>
16. Heat, light and power	125,209	89,882	31,157	16,174	19,220	15,423	1,320	..	298,384
Total, all classes	3,130,982	2,394,801	657,853	631,890	388,257	198,019	9,680	19,372	7,430,853

(a) For full titles see table on page 1060. (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, 1963-64 TO 1967-68**

<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>
Total value (\$'000)—									
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	2,928,227	2,235,337	592,607	563,764	335,788	194,571	7,847	18,860	6,877,001
1967-68	3,130,982	2,394,801	657,853	631,890	388,257	198,019	9,680	19,372	7,430,853
Average per person employed (\$)—									
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	4,437	4,791	5,117	5,489	4,984	4,832
1966-67	5,388	5,020	5,025	4,769	5,267	5,378	5,514	5,194	5,260
1967-68	5,894	5,322	5,443	5,204	5,766	5,629	6,373	5,213	5,582
Average per head of population (\$)—									
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	685	688	351	511	389	520	135	189	588
1967-68	720	725	383	565	435	522	159	179	623

(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 1966-67. 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 1041 and 1063. (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 1966-67

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

Class of industry	Proportion of total value added(c) 1959-60	1959-	1960-	1961-	1962-	1963-	1964-	1965-	1966-	
		60	61	62	63	64	65	66	67	
		per cent								
1. Treatment of non-metalliferous mine and quarry products	2.5	100	113	114	122	137	149	153	157	
2. Bricks, pottery, glass, etc.	2.2	100	101	97	104	116	129	127	134	
3. Chemicals, dyes, explosives, paints oils, grease	8.6	100	104	113	123	136	151	158	174	
4. Industrial metals, machines, conveyances	40.9	100	104	102	116	130	143	149	157	
6. Textiles and textile goods (not dress)	5.2	100	98	100	111	121	128	130	138	
7. Skins and leather (not clothing or footwear)	0.9	100	94	95	100	99	102	98	94	
8. Clothing (except knitted)	5.7	100	103	105	111	116	121	125	132	
9. Food, drink, and tobacco	12.5	100	103	108	113	118	127	133	140	
10. Sawmills, joinery, boxes, etc.	4.7	100	100	96	100	107	117	119	123	
11. Furniture of wood, bedding, etc.	1.6	100	97	100	105	112	121	126	132	
12. Paper, stationery, printing, etc.	7.2	100	107	106	117	129	146	151	158	
13. Rubber	1.6	100	102	99	115	126	132	132	140	
Other (classes 5, 14 and 15)(d)	2.5	100	102	106	120	139	157	168	200	
Classes 1 to 15 (combined)	96.1	100	103	104	115	126	138	142	152	
16. Heat, light and power	3.9	100	107	112	127	135	149	158	170	
All classes (combined)	100.0	100	104	105	115	126	138	143	153	

(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 1041 and 1063. (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, 1967-68 (\$'000)

Value of—	N.S.W.	Vic.	Qld	S.A.	W.A.	Tas.	N.T.	A.C.T.	Aust.
Land and buildings	1,866,071	1,318,004	315,497	310,019	198,640	263,364	8,150	23,410	4,303,156
Plant and machinery	1,962,069	1,367,251	631,231	503,591	296,659	184,683	6,696	10,022	4,962,203
Total	3,828,139	2,685,255	946,728	813,610	495,301	448,048	14,846	33,432	9,265,359

(a) Depreciated or book values at 30 June including estimated value of rented premises and plant.

Value of land and buildings

FACTORIES: VALUE OF LAND AND BUILDINGS(a), STATES AND TERRITORIES 1963-64 TO 1967-68 (\$'000)

Year	N.S.W.	Vic.	Qld	S.A.	W.A.	Tas.	N.T.	A.C.T.	Aust.(b)
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	256,536	131,739	209,010	5,668	20,583	3,505,859
1965-66	1,658,597	1,176,942	273,559	276,531	151,047	211,923	6,100	21,891	3,776,590
1966-67	1,785,172	1,254,455	294,662	293,351	170,308	233,983	6,482	22,779	4,061,193
1967-68	1,866,071	1,318,004	315,497	310,019	198,640	263,364	8,150	23,410	4,303,156

(a) Depreciated or book values 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), 1963-64 TO 1967-68 (\$'000)

Class of industry	1963-64	1964-65	1965-66	1966-67	1967-68
1. Treatment of non-metalliferous mine and quarry products	72,616	76,489	82,525	86,126	90,486
2. Bricks, pottery, glass, etc.	68,470	73,402	79,323	86,770	89,650
3. Chemicals, dyes, explosives, paints, oils, grease	219,212	231,170	247,653	263,840	274,346
4. Industrial metals, machines, conveyances	1,188,289	1,320,522	1,419,339	1,532,902	1,649,345
5. Precious metals, jewellery, plate	11,657	16,597	16,584	17,443	18,254
6. Textiles and textile goods (not dress)	130,425	132,770	137,174	144,923	152,328
7. Skins and leather (not clothing or footwear)	23,322	24,495	25,427	25,478	27,129
8. Clothing (except knitted)	135,959	147,996	156,895	164,304	170,698
9. Food, drink and tobacco	392,089	428,224	465,596	494,778	524,896
10. Sawmills, joinery, boxes, etc., wood turning and carving	90,956	100,165	107,406	115,475	120,701
11. Furniture of wood, bedding, etc.	44,142	49,601	52,594	57,401	63,003
12. Paper, stationery, printing, bookbinding, etc.	198,860	227,332	250,587	265,348	288,746
13. Rubber	50,595	52,322	58,796	64,271	64,101
14. Musical instruments	1,550	1,640	1,730	1,836	3,135
15. Miscellaneous products	64,090	69,571	74,873	85,761	92,875
Total, classes 1 to 15	2,692,232	2,952,295	3,176,504	3,406,654	3,629,693
16. Heat, light and power	512,453	553,565	600,087	654,539	673,462
Total, all classes	3,204,685	3,505,859	3,776,590	4,061,193	4,303,156

(a) Depreciated or book values 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, 1967-68**
(\$'000)

Class of industry(b)	N.S.W.	Vic.	Qld	S.A.	W.A.	Tas.	N.T.	A.C.T.	Aust.
1. Treatment non-metal. mine, etc. products . . .	31,463	29,637	7,675	10,134	8,283	2,133	443	718	90,486
2. Bricks, etc.	46,359	26,472	5,234	5,639	3,907	1,448	(c)	(c)	89,650
3. Chemicals, etc.	144,388	84,898	11,555	10,912	18,335	3,871	(c)	(c)	274,346
4. Industrial metals, etc.	708,693	528,358	113,125	165,471	85,865	37,716	3,715	6,402	1,649,345
5. Jewellery, etc.	6,398	5,168	739	1,506	767	154	..	3,522	18,254
6. Textiles, etc.	47,899	90,487	2,874	4,770	1,493	4,805	..	..	152,328
7. Skins, leather, etc.	13,336	10,163	1,068	1,408	1,097	58	..	..	27,129
8. Clothing, etc.	73,891	72,832	9,534	7,368	4,459	1,779	141	694	170,698
9. Food, drink, etc.	159,930	187,945	81,563	39,166	32,316	20,851	1,544	1,582	524,896
10. Sawmills, etc.	45,195	37,893	11,156	11,084	7,674	6,284	445	970	120,701
11. Furniture, etc.	24,188	21,084	6,825	4,882	4,015	1,531	(c)	(c)	63,003
12. Paper, stationery, etc.	118,335	101,056	17,773	17,541	10,516	15,218	197	8,111	288,746
13. Rubber	24,291	26,880	5,924	4,234	1,410	796	137	429	64,101
14. Musical instruments	2,323	573	62	85	92	..	..	..	3,135
15. Miscellaneous	39,522	43,190	2,536	4,341	2,798	487	..	..	92,875
<i>Total, classes 1 to 15</i>	<i>1,486,211</i>	<i>1,266,635</i>	<i>277,643</i>	<i>288,541</i>	<i>183,026</i>	<i>97,129</i>	<i>7,098</i>	<i>23,410</i>	<i>3,629,694</i>
16. Heat, light and power	379,859	51,368	37,855	21,478	15,615	166,235	1,052	..	673,462
Total, all classes	1,866,071	1,318,004	315,497	310,019	198,640	263,364	8,150	23,410	4,303,156

(a) Depreciated or book values at 30 June 1968, 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
1963-64 TO 1967-68**
(\$'000)

Year	N.S.W.	Vic.	Qld	S.A.	W.A.	Tas.	N.T.	A.C.T.	Aust.(b)
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	468,959	250,858	169,159	6,825	10,368	4,706,843
1967-68	1,962,069	1,367,251	631,231	503,591	296,659	184,683	6,696	10,023	4,962,203

(a) Depreciated or book values 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), 1963-64 TO 1967-68**
(\$'000)

Class of industry	1963-64	1964-65	1965-66	1966-67	1967-68
1. Treatment of non-metalliferous mine and quarry products	155,387	171,063	197,365	206,403	220,318
2. Bricks, pottery, glass, etc.	70,476	76,841	84,789	90,183	97,623
3. Chemicals, dyes, explosives, paints, oils, grease	459,429	455,567	521,872	610,518	613,373
4. Industrial metals, machines, conveyances	1,187,576	1,311,045	1,418,984	1,617,467	1,774,241
5. Precious metals, jewellery, plate	3,454	7,060	7,197	7,632	7,870
6. Textiles and textile goods (not dress)	106,160	113,469	121,398	125,448	129,706
7. Skins and leather (not clothing or footwear)	9,472	10,206	10,215	10,357	10,880
8. Clothing (except knitted)	46,489	51,361	53,749	57,221	60,400
9. Food, drink and tobacco	383,922	438,152	499,512	534,232	561,607
10. Sawmills, joinery, boxes, etc., wood turning and carving	71,548	75,441	78,321	85,107	85,320
11. Furniture of wood, bedding, etc.	11,137	12,020	12,902	13,450	14,141
12. Paper, stationery, printing, bookbinding, etc.	209,705	231,722	256,681	278,596	300,637
13. Rubber	36,532	41,208	54,194	60,281	59,765
14. Musical instruments	603	581	658	681	1,076
15. Miscellaneous products	46,137	54,444	59,571	64,713	71,713
<i>Total, classes 1 to 15</i>	<i>2,798,027</i>	<i>3,050,180</i>	<i>3,377,406</i>	<i>3,762,288</i>	<i>4,008,671</i>
16. Heat, light and power	682,646	716,072	777,245	944,555	953,531
Total, all classes	3,480,673	3,766,253	4,154,652	4,706,843	4,962,203

(a) Depreciated or book values 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
STATES AND TERRITORIES, 1967-68**
(\$'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 . . .	111,216	53,985	16,937	18,195	9,948	8,749	372	916	220,318
2. Bricks, etc.	44,130	30,582	7,347	7,279	5,806	1,316	(c)	(c)	97,623
3. Chemicals, etc.	282,452	185,775	58,176	33,899	44,721	7,356	(c)	(c)	613,373
4. Industrial metals, etc.	797,855	377,782	165,587	262,850	110,287	57,898	1,159	823	1,774,241
5. Jewellery, etc.	1,690	1,517	248	485	227	43	..	3,660	7,870
6. Textiles, etc.	41,372	72,178	2,620	4,222	1,729	7,583	..	..	129,706
7. Skins, leather, etc. . . .	4,268	3,816	1,066	1,204	492	34	..	..	10,880
8. Clothing, etc.	22,360	27,504	3,929	3,980	1,694	632	46	255	60,400
9. Food, drink, etc.	132,160	166,705	185,469	32,195	24,556	18,944	881	697	561,607
10. Sawmills, etc.	29,776	18,294	11,925	9,892	8,229	6,848	132	224	85,320
11. Furniture, etc.	5,711	3,765	1,864	1,383	1,007	378	(c)	(c)	14,141
12. Paper, stationery, etc.	106,312	101,008	21,492	32,028	14,623	22,908	157	2,109	300,637
13. Rubber	21,282	28,551	2,436	5,683	1,286	323	72	131	59,765
14. Musical instruments . . .	796	249	10	13	7	..	..	..	1,076
15. Miscellaneous	25,197	38,746	2,450	3,131	1,830	360	..	..	71,713
<i>Total, classes 1 to 15</i>	<i>1,626,578</i>	<i>1,110,458</i>	<i>481,555</i>	<i>416,441</i>	<i>226,442</i>	<i>133,371</i>	<i>3,804</i>	<i>10,022</i>	<i>4,008,671</i>
16. Heat, light and power	335,491	256,793	149,675	87,150	70,218	51,312	2,892	..	953,531
Total, all classes	1,962,069	1,367,251	631,231	503,591	296,659	184,683	6,696	10,022	4,962,203

(a) Depreciated or book values at 30 June 1968, including estimated value of rented plant and machinery. (b) For full titles, see table on page 1067. (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, 1967-68**
(\$'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 . . .	13,026	8,639	2,406	1,898	1,245	509	95	110	27,927
2. Bricks, etc.	4,553	3,402	785	862	658	131	(c)	(c)	10,491
3. Chemicals, etc.	36,776	32,812	5,900	4,406	6,188	1,331	(c)	(c)	87,483
4. Industrial metals, etc.	92,629	46,501	12,467	31,805	7,768	3,497	121	82	194,870
5. Jewellery, etc.	180	144	19	55	23	3	..	192	618
6. Textiles, etc.	5,864	11,531	517	804	234	1,038	..	..	19,988
7. Skins, leather, etc. . . .	457	467	97	215	76	3	..	..	1,316
8. Clothing, etc.	2,078	2,548	297	295	159	69	5	25	5,475
9. Food, drink, etc.	16,309	20,675	17,096	3,701	3,560	2,327	78	118	63,864
10. Sawmills, etc.	3,209	1,975	1,265	1,267	1,093	792	9	31	9,640
11. Furniture, etc.	643	402	216	161	112	39	(c)	(c)	1,575
12. Paper, stationery, etc.	11,882	12,964	2,675	2,818	1,537	3,009	22	260	35,166
13. Rubber	4,152	4,856	479	644	201	57	13	13	10,415
14. Musical instruments . . .	115	17	1	(b)	1	..	..	..	135
15. Miscellaneous	3,939	6,203	278	485	194	12	..	..	11,111
<i>Total, classes 1 to 15</i>	<i>195,812</i>	<i>153,136</i>	<i>44,498</i>	<i>49,416</i>	<i>23,048</i>	<i>12,817</i>	<i>408</i>	<i>939</i>	<i>480,074</i>
16. Heat, light and power	28,041	22,383	8,626	5,711	4,940	2,357	490	..	72,548
Total all classes	223,853	175,519	53,124	55,127	27,988	15,175	898	939	552,621

(a) For full titles see table on page 1067. (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), 1963-64 TO 1967-68
(\$'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
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	51,895	407,388
1966-67	4,061,193	4,706,843	284,951	1,030,889	52,440	450,146
1967-68	4,303,156	4,962,203	270,762	760,894	58,412	494,210

(a) Before 1 July 1964, excludes Northern Territory and Australian Capital Territory. (b) Includes estimated values 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 1967-68 in the following table may differ from corresponding figures in earlier publications.

**QUANTITIES OF PRINCIPAL ARTICLES PRODUCED IN FACTORIES: AUSTRALIA(a)
1964-65 TO 1967-68**

Article	1964-65	1965-66	1966-67	1967-68	
Acid (in terms of 100%)—					
Hydrochloric	tons	4,491	5,447	6,765	7,918
Nitric	"	24,817	25,522	31,009	35,033
Sulphuric	'000 tons	1,610	1,752	1,991	1,892
Aerated and carbonated waters	'000 gal	99,062	105,381	112,937	126,933
Air conditioning equipment—					
Room air conditioners (refrigerated)	No.	6,027	18,217	22,217	30,509
Room air coolers (evaporative coolers)	"	2,886	6,000	10,414	18,363
Package unit air conditioners	"	2,306	2,047	3,491	4,654
Asbestos cement building sheets (finished)	'000 sq yd	32,477	32,364	32,609	36,251
Bags, leather, fibre, etc.—					
Handbags—					
Leather	No.	529,133	534,121	501,762	492,736
Plastic	'000	2,392	1,993	1,938	2,294
Other	No.	410,190	393,037	392,798	396,281
Hessian and calico bags	'000 doz	3,095	3,601	3,808	3,973
Suitcases, kitbags and trunks	'000	1,506	1,515	1,551	1,592
All other(b)	"	2,187	2,128	2,057	1,988
Bath heaters—					
Electric	No.	14,087	13,524	11,701	11,777
Gas	"	11,348	9,971	9,026	8,648
Solid fuel	"	16,120	13,963	12,446	11,820

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

QUANTITIES OF PRINCIPAL ARTICLES PRODUCED IN FACTORIES
AUSTRALIA(a), 1964-65 TO 1967-68—continued

Article		1964-65	1965-66	1966-67	1967-68
Bathing suits	doz	240,090	261,190	301,723	299,825
Baths—					
C.I.P.E.	No.	84,852	85,447	74,489	74,527
Other	„	67,523	67,068	79,988	87,413
Batteries, wet cell type—					
Auto (S.L.I.) 6 volts	'000	503	470	481	465
„ „ 12 volts	„	1,257	1,312	1,488	1,653
Radio, homelighter, fencer	No. of 2 volt cells	158,381	136,173	117,445	106,525
Traction, plant and other	„	63,717	78,066	99,537	70,518
Beer (excluding waste beer)	'000 gal	274,895	279,503	293,714	309,775
Biscuits	'000 lb	208,945	223,678	230,118	233,383
Blankets	'000	2,079	1,701	1,724	1,654
Boots and shoes (<i>see</i> Footwear)					
Bran (wheaten)	tons (2,000 lb)	228,746	206,127	202,183	195,862
Brandy	'000 proof gal	1,400	1,371	791	872
Brassieres	doz	673,551	719,739	792,574	815,130
Bread (2 lb loaf equivalent)	'000	781,317	787,841	803,649	789,098
Breakfast food, cereal (ready to eat)	cwt	878,533	904,040	900,231	935,523
Bricks, clay	mill.	1,353	1,360	1,361	1,440
Briquettes, brown coal	'000 tons	1,893	1,883	1,820	1,745
Butter	'000 lb	454,878	460,433	489,217	432,313
Cardigans, sweaters, etc.	'000 doz	1,418	1,432	1,436	1,378
Cement, Portland	'000 tons	3,746	3,688	3,661	3,805
Cheese (green weight)	'000 lb	138,008	131,300	153,834	155,385
Cigarettes and cigars	„	49,544	47,543	50,384	51,517
Cloth (including mixtures)—					
Cotton(b)	'000 sq yd	56,667	55,701	57,573	59,043
Rayon and acetate	„	32,016	32,985	35,692	37,226
Synthetic (non-cellulosic)	„	22,491	20,805	23,530	27,826
Wool	„	35,300	32,588	30,635	32,599
Coke—					
Metallurgical	'000 tons	3,118	3,179	3,365	3,678
Other	tons	632,501	599,301	551,326	507,253
Concrete, ready mixed	'000 cu yd	6,060	6,736	7,000	7,955
Confectionery—					
Chocolate	'000 lb	95,634	104,312	104,937	98,984
Other	„	106,274	107,856	111,796	112,848
Copper, refined(c)	tons	53,441	91,588	74,313	71,952
Coppers (wash boilers)—					
Electric	No.	11,051	9,113	8,011	9,462
Gas	„	7,503	5,740	4,949	6,464
Inserts	„	18,213	19,074	9,047	(e)
Cordials and syrups	'000 gal	8,295	9,144	9,160	9,776
Corsets and corselets	doz	342,336	380,835	393,231	418,145
Cycles, (complete)	No.	67,874	63,641	69,365	90,671
Dentifrices (toothpaste)	'000 lb	9,799	9,774	10,773	10,190
Electric generators—					
Non-automatic—Alternating current	No.	1,480	1,676	1,763	2,111
Direct current	„	1,139	1,022	708	632
Electricity	mill. kWh	35,641	38,279	41,484	44,531
Electrodes for manual welding	'000 lb	47,654	43,555	45,656	45,124
Engines, internal combustion(d)	'000	306	245	288	258
Essences, flavouring—					
Domestic	gal	130,532	134,011	100,460	90,861
Industrial	„	587,753	599,426	733,289	840,894
Face powder	lb	310,586	285,870	376,236	298,233
Fans, electric	No.	204,285	223,409	321,600	360,346
Fish, canned (including fish loaf)	'000 lb	10,910	11,849	13,713	17,403

(a) Excludes Northern Territory and Australian Capital Territory. (b) Excludes tyre-cord fabric. (c) Primary origin only. (d) Petrol and diesel. Excludes car, motor cycle, truck, tractor, aero, and marine engines. (e) Not available for publication.

QUANTITIES OF PRINCIPAL ARTICLES PRODUCED IN FACTORIES
AUSTRALIA(a), 1964-65 TO 1967-68—continued

Article		1964-65	1965-66	1966-67	1967-68
Floorboards—					
Australian timber	'000 super ft	160,165	162,710	154,286	151,130
Imported timber	„	798	721	324	463
Floor coverings—					
Textile	'000 sq yd	11,542	11,692	12,624	12,758
Smooth surface	„	11,869	14,041	12,150	14,524
Underfelts, underlays, etc.	„	11,158	11,067	(h)14,802	(h)16,613
Floor polishers, electric	No.	105,077	89,193	88,840	72,657
Flour—					
Self-raising	'000 cwt	902	864	832	775
Wheaten(b)	'000 tons (2,000 lb)	1,553	1,414	1,392	1,419
Footwear (not rubber)—					
Boots, shoes and sandals	'000 pairs	35,306	34,949	37,011	38,076
Slippers	„	5,512	4,609	4,454	4,298
Fruit juices, natural—					
Single strength	'000 gal	10,106	10,727	13,674	14,630
Concentrated(c)	„	753	815	1,139	971
Gas (town)	mill. cubic ft	55,260	55,742	56,743	58,070
Gloves—					
Dress	doz pairs	28,299	26,163	27,761	30,913
Work—					
Sewn(d)	'000 doz pairs	407	382	358	371
Dipped	„	1,195	1,309	1,343	1,539
Glucose	'000 lb	57,444	60,779	65,422	61,945
Golf clubs	doz	28,635	33,145	40,680	38,082
Handkerchiefs—					
Men's	'000 doz	2,089	1,901	1,721	1,971
Women's	„	1,603	1,507	1,333	1,205
Heaters, room—					
Solid fuel	No.	47,883	37,967	31,606	24,558
Radiators and electric fires	„	749,889	706,943	600,294	623,950
Gas fires and space heaters, domestic	„	30,858	31,185	38,764	38,268
Ice	tons	205,545	198,701	190,274	187,306
Ice cream	'000 gal	25,019	30,026	34,974	37,423
Infants' and invalids' milk-based health beverages(e)	'000 lb	45,179	45,280	49,348	48,234
Ink, printing—					
News	„	14,948	14,900	16,190	17,401
Other	„	13,545	13,971	14,782	15,440
Iron and steel—					
Pig iron	'000 tons	3,936	4,380	4,893	5,209
Steel ingots, open hearth and electric	„	5,131	5,561	6,114	6,287
Blooms and slabs	„	4,503	4,823	4,978	5,372
Irons, electric (hand, domestic)	No.	430,326	450,230	507,882	465,501
Jams (including conserves, jellies, etc.)	'000 lb	89,362	97,149	90,761	83,917
Lard	„	5,356	5,853	6,670	6,475
Lawn mowers—					
Petrol, rotary	No.	201,125	176,396	219,826	184,908
Other types(f)	„	10,799	11,403	11,235	11,688
Lead refined(g)	tons	199,032	188,197	192,429	186,908
Leather—					
Dressed or finished—					
Chrome tanned (including retanned)	'000 sq ft	85,900	83,175	71,954	72,214
Vegetable tanned, by weight	'000 lb	19,865	15,326	12,883	11,296
Vegetable tanned, by measurement	'000 sq ft	4,036	3,956	4,009	3,303
Tanned or dressed skins with hair or wool retained	doz	88,592	117,778	82,018	110,381

(a) Excludes Northern Territory and Australian Capital Territory. (b) Includes wheatmeal for baking and sharps and atta flour. (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. (h) New basis—Needled (or bonded) felts of jute or jute/hair mixtures (for all purposes) as from July 1966.

**QUANTITIES OF PRINCIPAL ARTICLES PRODUCED IN FACTORIES
AUSTRALIA(a), 1964-65 TO 1967-68—continued**

<i>Article</i>		<i>1964-65</i>	<i>1965-66</i>	<i>1966-67</i>	<i>1967-68</i>
Lime—					
Crushed	tons	200,040	219,912	249,807	253,755
Hydrated	"	89,840	96,566	97,544	95,539
Quick	"	133,957	143,311	155,173	179,536
Lipstick	lb	65,458	70,104	74,842	72,323
Malt (excluding extract)	'000 bus	12,328	13,444	14,239	13,776
Margarine—					
Table	'000 lb	50,937	53,698	48,356	35,576
Other	"	69,060	67,884	76,138	89,285
Mattresses and bed bases—					
Box spring	No.	64,699	80,319	100,362	118,883
Inner spring	"	727,248	705,702	682,587	659,452
Woven wire, link mesh and spring	"	510,492	557,344	638,726	621,502
Other	"	294,074	273,040	302,882	304,533
Meat, canned(b)	'000 lb	115,578	113,051	100,849	106,956
Meters—					
Electric (domestic)(c)	No.	302,532	302,511	296,571	304,905
Gas	"	50,010	41,443	37,884	37,831
Water	"	127,316	141,042	146,915	148,839
Milk, condensed, concentrated and evaporated—					
Full cream, sweetened	'000 lb	102,479	73,985	61,510	47,316
Full cream, unsweetened	"	89,390	88,482	91,700	87,946
Skim	"	21,936	22,047	24,974	18,932
Milk powder—					
Full cream	"	43,669	45,060	48,018	47,272
Skim	"	107,823	112,342	188,584	196,029
Buttermilk or mixed skim and buttermilk	"	20,885	25,900	32,518	33,592
Motors, electric	'000	2,585	2,510	2,667	2,911
Motor vehicles, finished—					
Cars	No.	250,477	235,326	238,720	270,963
Station wagons	"	83,992	58,334	57,534	59,047
Utilities	"	25,661	33,038	33,909	31,174
Panel vans	"	12,972	14,427	14,013	14,687
Truck and truck-type vehicles	"	1,220	766	768	1,137
Motor vehicles, partly finished—	"				
Cars, station wagons, utilities, vans	"	1,825	1,666	1,381	1,663
Trucks and truck-type vehicles	"	27,029	20,856	21,747	21,857
Motor vehicle safety belts	"	437,189	426,847	801,448	962,851
Nails	tons	26,802	23,414	23,830	22,925
Neckties	doz	494,107	496,989	490,677	498,503
Oatmeal and rolled oats—					
For porridge, etc.	cwt	319,950	313,987	340,781	314,319
Other	"	536,211	397,401	308,712	116,034
Oils, vegetable, crude	'000 lb	87,676	87,903	84,519	95,033
Paints, etc.—					
Paints, (not water) and enamels ready for use	'000 gal	16,260	15,188	16,037	16,473
in paste form	'000 lb	2,926	3,158	2,589	2,238
Lacquers (nitro-cellulose)	'000 gal	1,563	1,437	1,427	1,427
Tinting colours, packaged ready for sale	"	57	54	57	68
Stains and clear varnishes packaged ready for sale	"	899	845	913	875
Water paints—					
Emulsion type	"	3,710	4,321	4,193	4,357
In powder form	'000 lb	2,269	1,945	1,935	1,431
Thinners	'000 gal	4,163	4,018	4,031	4,221
Paper—					
Newsprint	tons	93,142	93,211	97,255	92,648
Other	"	341,642	351,303	389,223	385,567

(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), 1964-65 TO 1967-68—continued

Article		1964-65	1965-66	1966-67	1967-68
Paperboard	tons	296,387	317,553	329,496	334,660
Perambulators, pushers and strollers	No.	135,621	132,499	133,018	139,082
Petrol—					
For blending and refining	million gal	52	45	1,766	50
Other (all types)	"	1,495	1,609		
Plaster of paris	tons	277,445	265,553	261,054	278,225
Plaster sheets	'000 sq yd	29,937	29,917	30,601	32,809
Plywood, $\frac{3}{8}$ inch basis	'000 sq ft	217,059	187,258	200,451	229,024
Pollard	tons (2,000 lb)	326,418	303,162	284,628	305,468
Preserves—					
Fruit—					
Canned or bottled	'000 lb	513,713	579,619	611,552	659,700
Pulp and puree—single strength	'000 cwt	86	62	51	44
Vegetables—					
Canned or bottled	'000 lb	152,117	180,098	194,834	182,051
Quick frozen	"	77,254	93,885	118,216	100,862
Pyjamas—					
Men's and boys' (suits only)	doz	430,589	480,396	422,640	420,563
Women's and girls' (incl. nightdresses)	"	711,139	726,711	722,519	746,779
Racquet frames (all types)	"	16,190	15,308	16,866	15,798
Radio receiving sets (including radiograms)	No.	455,970	392,526	445,766	522,394
Records (phonograph)—					
Single play (78 and 45 rpm)	'000	4,198	4,295	4,727	5,296
Extended play	"	1,474	1,486	2,103	1,869
Long play	"	4,459	5,086	6,714	6,847
Refrigerators, domestic	No.	227,728	213,870	232,200	245,138
Resins, plastic and synthetic, for all purposes	'000 cwt	2,123	2,434	2,854	3,349
Rice, polished, unpolished and broken	"	1,969	2,080	2,373	(b)
Ropes and cables (excluding wire)	cwt	140,770	133,355	130,845	117,670
Rugs	'000	201	175	191	170
Sauce	'000 pints	38,271	46,111	42,213	43,692
Semolina	tons (2,000 lb)	16,532	18,744	20,777	24,287
Shirts (men's and boys')	'000 doz	2,146	2,266	2,214	2,226
Sink heaters, electric	No.	12,155	10,646	10,174	9,941
Sinks, steel	"	219,370	219,409	226,158	212,824
Soap, for personal toilet use	'000 cwt	465	478	483	500
Socks and stockings—					
Men's and youths'	'000 doz pairs	1,707	1,690	1,815	1,910
Women's and maids'	"	4,440	4,563	4,971	5,257
Children's and infants'	"	1,025	903	1,045	1,004
Soup—					
Canned	'000 pints	63,077	72,032	78,985	67,201
Dry-mix	'000 lb	7,291	8,272	8,803	9,127
Starch	"	147,184	161,243	165,316	183,800
Stearine (stearic acid)	"	11,538	9,647	10,722	11,780
Steel, constructional, fabricated	tons	509,121	542,267	567,342	584,791
Stoves, ovens and ranges, domestic cooking—					
Electric(e)	No.	180,541	188,132	192,655	193,627
Gas(d)	"	84,503	71,265	75,482	73,127
Solid fuel	"	23,612	20,859	18,785	14,921
Sugar—					
Raw (94 net titre)	'000 tons	1,950	1,953	2,343	2,334
Refined	"	592	609	613	614
Sulphate of ammonia	tons	108,275	118,387	110,246	87,007
Superphosphate	'000 tons	(e) 3,703	(f) 4,265	(f) 4,430	(f) 3,934
Talcum powder	'000 lb	7,835	6,860	8,104	8,974

(a) Excludes Northern Territory and Australian Capital Territory. (b) Not available for publication. (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% P₂O₅ equivalent. (f) From 1 July 1965 excludes ammonium phosphate.

QUANTITIES OF PRINCIPAL ARTICLES PRODUCED IN FACTORIES
AUSTRALIA(a), 1964-65 TO 1967-68—continued

Article		1964-65	1965-66	1966-67	1967-68
Tallow (including dripping), rendering—					
Edible	'000 lb	161,967	148,628	150,789	148,099
Inedible	"	391,152	345,104	361,588	353,901
Television sets	No.	308,737	276,586	254,811	253,247
Television picture tubes	"	400,675	361,534	368,517	342,159
Tiles, roofing—					
Cement	'000	87,744	82,921	88,509	96,831
Terracotta	"	52,984	51,258	47,290	47,470
Timber—					
From native logs—					
Hardwood, etc.	'000 super ft	1,203,705	1,185,831	1,151,369	1,173,931
Softwood	"	329,509	331,708	317,591	307,683
From imported logs	"	36,346	27,892	25,771	32,379
Toasters, electric (domestic)	No.	321,042	329,626	366,972	331,717
Tobacco	'000 lb	8,993	8,407	7,595	7,463
Tomato juice	'000 gal	987	1,927	2,627	2,463
" paste and puree	'000 pints	16,373	22,428	22,776	11,546
" pulp	'000 cwt	168	133	181	193
Towels	'000 doz	895	960	992	892
Toilet cisterns	No.	359,944	340,895	352,791	370,426
Transformers, chokes and ballasts, for distribution of power and light, etc.	"	22,308	19,361	16,823	15,892
Tubes, pneumatic(b)	'000	3,651	3,823	4,051	4,351
Twine (all types)	cwt	195,461	174,646	248,825	185,966
Tyres, pneumatic(b)	'000	5,530	5,613	5,806	6,762
Umbrellas, street and general purpose	No.	764,510	716,987	825,032	930,266
Underwear (men's, women's, children's)	'000 doz	6,231	6,305	6,179	6,612
Vacuum cleaners (domestic)	No.	181,326	181,691	156,307	163,613
Wash basins—					
C.I.P.E.	"	71,430	64,126	58,040	52,919
Earthenware	"	149,257	140,652	146,546	159,480
Pressed steel	"	56,126	62,852	78,893	91,796
Washing machines, household, electric	"	264,001	240,189	231,601	278,348
Weatherboards—					
Australian timber	'000 super ft	20,599	20,307	19,025	18,799
Imported timber	"	3,094	2,583	1,857	2,175
Wheatmeal for stock feed	tons (2,000 lb)	207,696	284,474	228,872	283,589
Wheelbarrows (metal)	No.	111,366	116,838	123,291	118,797
Wine, beverage—					
Fortified	'000 gal	11,137	9,678	12,401	11,545
Unfortified	"	8,697	8,663	12,020	14,458
Wood pulp	tons	317,435	330,625	357,665	351,268
Wool, scoured or carbonised	'000 lb	158,832	156,113	154,119	157,860
Wool tops, pure	"	45,835	45,798	44,535	42,439
Yarn (including mixtures)—					
Cotton	"	59,092	59,021	60,792	60,849
Woollen	"	30,647	30,534	32,641	34,596
Wool worsted	"	23,532	21,519	18,781	18,896
Rayon and acetate, spun	"	6,218	5,970	6,771	9,213
Synthetic (non-cellulosic) fibres spun	"	6,387	6,720	8,843	9,542
Zinc, refined(c)	tons	189,395	196,534	197,030	187,565

(a) Excludes Northern Territory and Australian Capital Territory.
origin only—includes small quantities of zinc dust.

(b) Excludes bicycle and 'other'.

(c) Primary

Individual industries

Particulars on pages 1043-1068 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, 1967-68**

	Portland cement	Asbestos cement sheets and mouldings	Other cement goods	Total
Number of factories	17	15	817	849
Number of persons employed	3,515	3,086	9,534	16,135
Salaries and wages paid \$'000	11,923	10,325	30,733	52,981
Value of power, fuel, etc., used	12,642	1,372	1,901	15,916
Value of materials used	22,057	16,285	115,482	153,824
Value of production	38,789	23,023	70,885	132,697
Total value of output	73,487	40,680	188,269	302,437
Value of land and buildings	17,747	10,898	25,044	53,689
Value of plant and machinery	89,068	10,022	28,897	127,987
Horsepower of engines ordinarily in use	157,670	29,223	50,594	237,487

**PORTLAND CEMENT, ASBESTOS CEMENT SHEETS, ETC., AND OTHER CEMENT
GOODS: AUSTRALIA(a), 1963-64 TO 1967-68**

	1963-64	1964-65	1965-66	1966-67	1967-68
Number of factories	669	702	761	802	849
Number of persons employed	14,230	15,070	15,327	15,483	16,135
Salaries and wages paid \$'000	37,050	42,339	44,541	47,732	52,981
Value of power, fuel, etc., used	13,689	15,631	15,156	15,037	15,916
Value of materials used	103,035	120,439	129,821	135,971	153,824
Value of production	91,570	103,887	106,460	119,527	132,697
Total value of output	208,294	239,957	251,437	270,535	302,437
Value of land and buildings	37,465	40,555	45,648	49,071	53,689
Value of plant and machinery	76,667	87,093	103,212	117,469	127,987
Horsepower of engines ordinarily in use	170,763	206,585	218,387	235,609	237,487

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

BRICKS, TILES, POTTERY AND EARTHENWARE: AUSTRALIA(a), 1963-64 TO 1967-68

	1963-64	1964-65	1965-66	1966-67	1967-68
Number of factories	412	406	393	388	370
Number of persons employed	15,132	15,467	15,636	15,290	15,417
Salaries and wages paid \$'000	36,416	40,544	41,317	43,347	46,272
Value of power, fuel, etc., used	13,240	14,092	14,152	14,635	16,157
Value of materials used	21,931	26,089	27,111	28,647	31,278
Value of production	65,622	77,607	77,217	83,133	93,024
Total value of output	100,792	117,788	118,481	126,415	140,459
Value of land and buildings	35,675	38,738	41,375	44,105	47,178
Value of plant and machinery	49,165	55,320	59,146	62,929	68,438
Horsepower of engines ordinarily in use	127,124	137,727	147,103	149,017	155,247

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

GLASS AND GLASS BOTTLES: AUSTRALIA(a), 1963-64 TO 1967-68

	1963-64	1964-65	1965-66	1966-67	1967-68
Number of factories	263	268	271	274	273
Number of persons employed	10,382	11,391	11,402	11,530	11,600
Salaries and wages paid \$'000	24,231	28,695	30,220	33,510	35,948
Value of power, fuel, etc., used	6,485	6,425	6,155	6,465	7,083
Value of materials used	37,259	42,779	41,717	45,996	50,472
Value of production	47,454	53,704	57,636	62,401	69,432
Total value of output	91,197	102,908	105,508	114,862	126,986
Value of land and buildings	32,567	34,480	37,761	42,411	42,180
Value of plant and machinery	21,256	21,472	25,604	27,221	29,126
Horsepower of engines ordinarily in use	41,527	41,849	46,320	50,573	49,862

(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), 1963-64 TO 1967-68

	1963-64	1964-65	1965-66	1966-67	1967-68
Number of factories	325	323	326	334	336
Number of persons employed	15,075	16,511	16,668	17,505	17,694
Salaries and wages paid \$'000	42,158	49,876	52,179	60,063	63,579
Value of power, fuel, etc., used	15,627	18,249	17,847	20,698	23,777
Value of materials used	133,473	157,975	166,441	193,730	205,985
Value of production	125,599	146,062	150,135	168,307	195,127
Total value of output	274,698	322,286	334,423	382,736	424,890
Value of land and buildings	75,208	78,090	84,336	90,751	92,860
Value of plant and machinery	151,235	160,853	174,484	218,387	224,793
Horsepower of engines ordinarily in use	205,235	225,599	257,132	301,984	334,922

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

PHARMACEUTICAL AND TOILET PREPARATIONS: AUSTRALIA(a)
1963-64 TO 1967-68

	1963-64	1964-65	1965-66	1966-67	1967-68
Number of factories	213	230	236	227	228
Number of persons employed	8,173	8,818	9,342	9,782	10,010
Salaries and wages paid \$'000	16,904	19,492	21,667	24,251	26,148
Value of power, fuel, etc., used	1,070	1,228	1,411	1,586	1,657
Value of materials used	56,454	64,061	68,577	75,843	80,631
Value of production	73,418	84,588	88,243	103,568	112,942
Total value of output	130,943	149,877	158,231	180,997	195,230
Value of land and buildings	37,474	39,739	43,294	45,333	50,161
Value of plant and machinery	13,440	14,283	16,806	18,145	18,951
Horsepower of engines ordinarily in use	21,808	24,873	27,396	28,366	30,282

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

WHITE LEAD, PAINTS AND VARNISH: AUSTRALIA(a), 1963-64 TO 1967-68

	1963-64	1964-65	1965-66	1966-67	1967-68
Number of factories	184	196	197	208	212
Number of persons employed	5,356	5,605	5,665	5,789	5,858
Salaries and wages paid \$'000	12,845	14,297	15,153	16,425	17,131
Value of power, fuel, etc., used	876	959	969	1,049	1,108
Value of materials used	62,494	66,495	64,914	67,187	69,953
Value of production	36,674	40,196	40,605	44,107	48,241
Total value of output	100,044	107,650	106,487	112,342	119,302
Value of land and buildings	17,888	19,495	19,550	21,976	22,091
Value of plant and machinery	10,438	10,957	10,668	11,078	11,320
Horsepower of engines ordinarily in use	32,695	33,816	35,483	36,419	37,677

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

MINERAL OILS: AUSTRALIA(a), 1963-64 TO 1967-68

	1963-64	1964-65	1965-66	1966-67	1967-68
Number of factories	82	85	87	89	91
Number of persons employed	5,159	5,408	5,775	5,779	5,752
Salaries and wages paid \$'000	17,066	18,610	21,171	23,281	24,586
Value of power, fuel, etc., used	20,906	23,319	24,977	26,920	30,224
Value of materials used	297,591	314,040	325,230	355,694	409,290
Value of production	97,628	107,285	132,262	157,533	176,559
Total value of output	416,125	444,644	482,469	540,147	616,072
Value of land and buildings	42,606	42,705	45,596	46,806	46,339
Value of plant and machinery	232,193	215,046	250,672	282,171	268,149
Horsepower of engines ordinarily in use	203,325	215,339	263,226	284,997	302,025

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

SOAP AND CANDLES: AUSTRALIA(a), 1963-64 TO 1967-68

	1963-64	1964-65	1965-66	1966-67	1967-68
Number of factories	122	118	124	138	133
Number of persons employed	3,232	3,130	3,196	3,384	3,360
Salaries and wages paid \$'000	7,679	8,265	8,596	9,741	11,120
Value of power, fuel, etc., used	832	902	844	845	876
Value of materials used	34,956	38,600	43,124	44,368	46,613
Value of production	34,610	38,205	41,389	50,770	46,139
Total value of output	70,398	77,707	85,357	95,983	93,628
Value of land and buildings	6,546	8,373	8,853	9,157	9,039
Value of plant and machinery	6,824	7,054	8,732	9,453	9,710
Horsepower of engines ordinarily in use	16,812	17,058	15,948	17,875	18,003

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

CHEMICAL FERTILISERS: AUSTRALIA(a), 1963-64 TO 1967-68

	1963-64	1964-65	1965-66	1966-67	1967-68
Number of factories	48	48	48	48	48
Number of persons employed	4,476	4,633	4,802	4,741	4,830
Salaries and wages paid \$'000	11,842	13,415	15,101	15,778	16,505
Value of power, fuel, etc., used	2,022	2,395	2,959	3,004	2,684
Value of materials used	65,699	77,860	93,969	113,155	115,094
Value of production	26,059	31,111	31,435	44,274	46,936
Total value of output	93,780	111,366	128,363	160,433	164,714
Value of land and buildings	14,412	16,238	16,525	19,639	23,083
Value of plant and machinery	20,739	27,167	37,618	46,997	56,570
Horsepower of engines ordinarily in use	68,689	74,467	91,221	85,231	100,457

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

**SMELTING, CONVERTING, REFINING, AND ROLLING OF IRON AND STEEL
AUSTRALIA(a), 1963-64 TO 1967-68**

	1963-64	1964-65	1965-66	1966-67	1967-68
Number of factories	30	31	32	33	37
Number of persons employed	37,094	38,469	39,146	39,014	39,956
Salaries and wages paid \$'000	120,041	115,917	121,972	126,708	139,641
Value of power, fuel, etc., used	78,955	84,413	90,637	102,971	110,412
Value of materials used	390,414	426,217	422,786	437,095	459,746
Value of production	231,902	266,937	249,795	289,446	304,919
Total value of output	701,271	777,567	763,218	829,511	875,077
Value of land and buildings	83,708	87,252	88,387	89,956	106,958
Value of plant and machinery	410,432	440,909	482,284	524,513	623,289
Horsepower of engines ordinarily in use	943,974	1,019,335	1,075,145	1,139,234	1,311,792

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

FOUNDRIES—FERROUS: AUSTRALIA(a), 1963-64 TO 1967-68

	1963-64	1964-65	1965-66	1966-67	1967-68
Number of factories	230	228	224	211	207
Number of persons employed	8,152	8,749	8,855	8,411	8,253
Salaries and wages paid \$'000	19,942	24,338	25,069	24,931	25,548
Value of power, fuel, etc., used	2,482	2,856	2,931	2,835	3,048
Value of materials used	20,069	23,943	23,445	25,991	25,008
Value of production	29,478	36,545	38,014	36,414	36,958
Total value of output	52,029	63,344	64,390	65,241	65,014
Value of land and buildings	12,652	13,032	12,650	13,512	15,792
Value of plant and machinery	8,574	9,124	10,076	12,084	13,231
Horsepower of engines ordinarily in use	34,581	34,711	34,919	36,233	36,805

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

**PLANT, EQUIPMENT AND MACHINERY (INCLUDING MACHINE TOOLS)
AUSTRALIA(a), 1963-64 TO 1967-68**

	1963-64	1964-65	1965-66	1966-67	1967-68
Number of factories	3,027	3,294	3,474	3,687	3,820
Number of persons employed	87,277	94,980	100,967	101,152	104,139
Salaries and wages paid \$'000	212,937	252,401	276,896	293,871	322,705
Value of power, fuel, etc., used	9,102	10,071	10,511	10,888	11,842
Value of materials used	389,996	449,151	480,040	495,160	546,851
Value of production	357,982	425,060	459,327	502,002	540,679
Total value of output	757,080	884,282	949,877	1,008,050	1,099,373
Value of land and buildings	178,429	199,184	221,370	245,733	264,249
Value of plant and machinery	105,786	120,380	129,838	139,993	155,087
Horsepower of engines ordinarily in use	321,550	332,041	365,776	381,342	401,491

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

OTHER ENGINEERING(a): AUSTRALIA(b), 1963-64 TO 1967-68

	1963-64	1964-65	1965-66	1966-67	1967-68
Number of factories	2,449	2,514	2,597	2,665	2,747
Number of persons employed	30,044	31,759	32,823	33,850	34,667
Salaries and wages paid \$'000	69,093	78,649	84,632	92,442	101,175
Value of power, fuel, etc., used	2,667	2,966	3,032	3,347	3,734
Value of materials used	91,145	104,778	109,007	114,973	125,576
Value of production	112,492	129,498	139,533	153,459	165,518
Total value of output	206,304	237,241	251,573	271,779	294,828
Value of land and buildings	58,584	64,014	69,998	79,778	85,662
Value of plant and machinery	40,194	43,800	47,871	58,889	61,953
Horsepower of engines ordinarily in use	114,317	122,086	132,552	153,257	159,966

(a) Jobbing and general engineering works, n.e.i. Capital Territory.

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

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), 1963-64 TO 1967-68

	1963-64	1964-65	1965-66	1966-67	1967-68
Number of factories	68	70	74	77	75
Number of persons employed	8,960	8,990	9,349	9,966	10,642
Salaries and wages paid \$'000	25,996	28,722	31,289	34,778	39,871
Value of power, fuel, etc., used	17,840	19,643	21,277	24,151	28,460
Value of materials used	235,481	274,354	320,380	324,231	364,161
Value of production	62,349	76,960	103,397	117,519	146,520
Total value of output	315,670	370,957	445,054	465,901	539,141
Value of land and buildings	37,881	40,538	41,477	55,507	59,954
Value of plant and machinery	100,851	107,294	110,421	225,256	236,270
Horsepower of engines ordinarily in use	118,723	121,473	122,444	172,426	196,646

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

ELECTRICAL MACHINERY, CABLES AND APPARATUS
AUSTRALIA(a), 1963-64 TO 1967-68

	1963-64	1964-65	1965-66	1966-67	1967-68
Number of factories	1,438	1,517	1,614	1,713	1,761
Number of persons employed	59,416	65,233	67,582	70,480	71,079
Salaries and wages paid \$'000	135,806	159,359	174,616	189,970	201,439
Value of power, fuel, etc., used	6,841	7,473	7,550	8,227	8,745
Value of materials used	263,668	321,409	332,239	366,486	387,869
Value of production	229,536	260,268	298,176	324,254	334,845
Total value of output	500,045	589,151	637,966	698,966	731,459
Value of land and buildings	110,908	124,575	131,455	147,874	156,402
Value of plant and machinery	62,233	68,796	75,592	79,580	82,317
Horsepower of engines ordinarily in use	142,213	153,438	158,915	169,999	178,266

(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 1967-68) controlled by non-public bodies are not included in the figures below.*

TRAMCARS AND RAILWAY ROLLING STOCK(a)
AUSTRALIA(b), 1963-64 TO 1967-68

	1963-64	1964-65	1965-66	1966-67	1967-68
Number of factories	119	120	120	120	119
Number of persons employed	33,689	32,215	31,534	30,703	29,935
Salaries and wages paid	\$'000 73,267	75,783	77,405	81,290	79,579
Value of power, fuel, etc., used	" 2,162	2,089	2,141	2,054	2,018
Value of materials used	" 39,622	40,785	44,280	46,522	45,424
Value of production	" 92,435	91,899	94,815	100,003	100,567
Total value of output	" 134,219	134,773	141,236	148,578	148,008
Value of land and buildings	" 29,372	29,353	30,254	30,497	30,815
Value of plant and machinery	" 38,456	39,704	39,509	39,907	39,498
Horsepower of engines ordinarily in use	114,456	116,445	116,701	112,964	112,431

(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, 1967-68

	Con- struction and assembly	Repairs	Motor bodies (a)	Motor acces- sories	Total
Number of factories	51	12,336	2,850	382	15,619
Number of persons employed	25,951	75,103	40,254	21,013	162,321
Salaries and wages paid	\$'000 83,038	168,913	113,630	60,787	426,368
Value of power, fuel, etc., used	" 6,270	5,088	4,502	3,818	19,678
Value of materials used	" 187,798	187,254	263,488	98,512	737,052
Value of production	" 138,342	270,893	198,191	100,895	708,321
Total value of output	" 332,409	463,235	466,181	203,225	1,465,050
Value of land and buildings	" 94,904	251,607	115,184	45,570	507,264
Value of plant and machinery	" 78,785	35,822	69,320	42,695	226,622
Horsepower of engines ordinarily in use	128,706	93,641	115,631	81,958	419,936

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

MOTOR VEHICLES—CONSTRUCTION, ASSEMBLY, REPAIRS, ETC.
AUSTRALIA(a), 1963-64 TO 1967-68

	1963-64	1964-65	1965-66	1966-67	1967-68
Number of factories	13,866	14,466	14,857	15,227	15,619
Number of persons employed	143,657	152,477	153,542	156,002	162,321
Salaries and wages paid	\$'000 309,204	350,388	356,558	384,794	426,368
Value of power, fuel, etc., used	" 15,187	16,547	16,864	18,117	19,678
Value of materials used	" 568,697	606,172	620,557	660,944	737,052
Value of production	" 494,412	548,985	577,335	618,385	708,321
Total value of output	" 1,078,296	1,171,704	1,214,757	1,297,446	1,465,050
Value of land and buildings	" 352,610	413,075	450,030	471,766	507,264
Value of plant and machinery	" 172,256	204,133	223,810	228,241	226,622
Horsepower of engines ordinarily in use	325,925	359,693	392,829	394,604	419,936

(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), 1963-64 TO 1967-68**

	1963-64	1964-65	1965-66	1966-67	1967-68
Number of factories	346	378	379	388	421
Number of persons employed	14,253	14,439	15,299	16,809	18,192
Salaries and wages paid \$'000	35,043	37,952	43,865	50,062	57,162
Value of power, fuel, etc., used	901	949	1,092	1,116	1,386
Value of materials used	31,645	28,169	31,446	50,523	68,951
Value of production	40,272	44,640	52,237	64,364	77,001
Total value of output	72,817	73,758	84,774	116,002	147,337
Value of land and buildings	13,865	15,288	18,199	20,219	23,935
Value of plant and machinery	11,745	13,324	15,914	17,641	19,465
Horsepower of engines ordinarily in use	81,291	82,891	86,120	88,067	89,848

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

**AGRICULTURAL MACHINES AND IMPLEMENTS
AUSTRALIA(a), 1963-64 TO 1967-68**

	1963-64	1964-65	1965-66	1966-67	1967-68
Number of factories	556	615	671	725	764
Number of persons employed	13,818	15,582	15,069	15,280	15,759
Salaries and wages paid \$'000	33,117	39,347	37,316	41,867	44,923
Value of power, fuel, etc., used	1,940	2,150	1,825	1,917	2,052
Value of materials used	51,440	56,044	47,228	55,356	60,352
Value of production	49,702	59,172	56,027	69,660	69,405
Total value of output	103,082	117,366	105,080	126,934	131,808
Value of land and buildings	23,064	26,783	29,071	30,533	33,328
Value of plant and machinery	13,245	15,203	17,126	18,120	20,144
Horsepower of engines ordinarily in use	46,606	47,125	51,642	53,020	53,697

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

**NON-FERROUS METALS—ROLLING AND EXTRUSION
AUSTRALIA(a), 1963-64 TO 1967-68**

	1963-64	1964-65	1965-66	1966-67	1967-68
Number of factories	30	26	28	30	32
Number of persons employed	6,983	7,420	7,362	7,773	7,564
Salaries and wages paid \$'000	20,293	22,318	23,322	25,583	26,680
Value of power, fuel, etc., used	3,689	4,089	4,401	4,611	4,474
Value of materials used	104,550	145,175	150,456	166,273	176,370
Value of production	41,399	45,021	56,567	56,407	55,995
Total value of output	149,637	194,285	211,424	227,291	236,839
Value of land and buildings	21,531	24,035	24,468	25,278	25,837
Value of plant and machinery	45,932	61,413	63,622	64,083	65,932
Horsepower of engines ordinarily in use	132,763	131,979	139,714	146,286	156,480

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

NON-FERROUS METALS—FOUNDING, CASTING, ETC.: AUSTRALIA(a), 1963-64 TO 1967-68

	1963-64	1964-65	1965-66	1966-67	1967-68
Number of factories	461	473	482	479	479
Number of persons employed	11,180	12,264	12,070	12,276	12,302
Salaries and wages paid \$'000	25,389	30,175	30,189	32,268	35,061
Value of power, fuel, etc., used	2,100	2,363	2,234	2,395	2,525
Value of materials used	53,556	65,581	64,246	66,481	72,075
Value of production	49,276	58,727	57,231	63,389	67,702
Total value of output	104,932	126,671	123,710	132,266	142,302
Value of land and buildings	21,150	24,104	25,679	28,399	31,381
Value of plant and machinery	15,163	16,001	18,763	19,804	20,326
Horsepower of engines ordinarily in use	38,729	41,295	44,300	46,528	48,159

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

SHEET METAL WORKING, PRESSING AND STAMPING: AUSTRALIA(a), 1963-64 TO 1967-68

	1963-64	1964-65	1965-66	1966-67	1967-68
Number of factories	1,181	1,232	1,254	1,270	1,296
Number of persons employed	29,551	31,444	32,962	33,243	33,918
Salaries and wages paid \$'000	66,877	76,289	83,550	89,026	96,512
Value of power, fuel, etc., used	3,718	4,040	4,281	4,398	4,783
Value of materials used	156,346	185,318	193,094	208,368	220,751
Value of production	123,360	139,261	148,347	165,125	181,081
Total value of output	283,425	328,619	345,722	377,891	406,615
Value of land and buildings	65,804	69,981	74,650	79,793	88,391
Value of plant and machinery	44,779	46,213	50,356	51,158	55,714
Horsepower of engines ordinarily in use	89,116	94,436	101,694	106,402	112,093

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

PIPES, TUBES AND FITTINGS—FERROUS: AUSTRALIA(a), 1963-64 TO 1967-68

	1963-64	1964-65	1965-66	1966-67	1967-68
Number of factories	58	56	58	61	62
Number of persons employed	9,138	9,627	9,630	9,611	9,806
Salaries and wages paid \$'000	24,495	28,329	28,950	30,812	33,658
Value of power, fuel, etc., used	3,425	3,315	3,228	3,311	3,421
Value of materials used	60,047	71,829	67,589	75,073	81,325
Value of production	45,258	54,241	53,865	59,323	67,193
Total value of output	108,730	129,384	124,682	137,707	151,939
Value of land and buildings	17,921	17,697	18,330	19,209	20,062
Value of plant and machinery	22,330	21,114	20,851	22,152	28,918
Horsepower of engines ordinarily in use	60,447	67,991	67,410	76,522	82,332

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

WIRE AND WIRE WORKING (INCLUDING NAILS): AUSTRALIA(a), 1963-64 TO 1967-68

	1963-64	1964-65	1965-66	1966-67	1967-68
Number of factories	298	305	313	317	324
Number of persons employed	10,433	10,776	10,901	11,037	11,145
Salaries and wages paid \$'000	24,959	27,599	28,045	30,918	32,705
Value of power, fuel, etc., used	2,033	2,131	2,132	2,391	2,497
Value of materials used	92,097	102,344	95,994	107,952	109,224
Value of production	46,710	53,102	53,799	59,053	63,174
Total value of output	140,840	157,577	151,924	169,395	174,895
Value of land and buildings	21,743	24,365	28,858	31,744	33,446
Value of plant and machinery	15,770	17,384	20,634	22,619	26,519
Horsepower of engines ordinarily in use	42,624	44,154	51,303	52,789	56,365

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

WIRELESS AND AMPLIFYING APPARATUS: AUSTRALIA(a), 1963-64 TO 1967-68

	1963-64	1964-65	1965-66	1966-67	1967-68
Number of factories	355	391	406	416	421
Number of persons employed	16,907	18,359	17,683	18,167	18,534
Salaries and wages paid \$'000	35,772	40,265	39,812	43,351	46,286
Value of power, fuel, etc., used	1,321	1,355	1,388	1,470	1,560
Value of materials used	78,847	84,546	78,849	82,309	85,560
Value of production	56,834	63,333	65,150	69,183	74,411
Total value of output	137,002	149,233	145,387	152,962	161,532
Value of land and buildings	23,883	25,865	28,000	32,159	31,963
Value of plant and machinery	12,888	12,854	13,027	14,880	15,875
Horsepower of engines ordinarily in use	14,720	15,316	16,038	16,825	17,240

(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 1967-68) from the United States of America, Uganda, Mexico, Brazil, Pakistan, and Peru.

COTTON SPINNING AND WEAVING: AUSTRALIA(a), 1963-64 TO 1967-68

	1963-64	1964-65	1965-66	1966-67	1967-68
Number of factories	85	80	78	70	68
Number of persons employed	9,869	10,270	10,110	9,744	9,718
Salaries and wages paid \$'000	19,187	21,447	22,060	22,996	24,070
Value of power, fuel, etc., used	2,549	2,545	2,622	2,604	2,733
Value of materials used	46,619	48,512	47,840	51,199	54,116
Value of production	38,193	42,554	43,401	47,193	45,989
Total value of output	87,362	93,611	93,863	100,996	102,838
Value of land and buildings	32,264	29,966	24,424	25,534	26,439
Value of plant and machinery	24,402	23,434	22,776	22,607	21,547
Horsepower of engines ordinarily in use	43,752	42,422	42,007	42,370	43,360

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

WOOL CARDING, SPINNING AND WEAVING: AUSTRALIA(a), 1963-64 TO 1967-68

	1963-64	1964-65	1965-66	1966-67	1967-68
Number of factories	129	131	124	118	120
Number of persons employed	20,061	20,397	19,642	18,337	18,268
Salaries and wages paid \$'000	35,477	38,778	38,289	38,160	40,006
Value of power, fuel, etc., used	2,873	2,942	2,995	2,930	3,032
Value of materials used	107,378	103,138	99,743	96,395	90,177
Value of production	55,799	59,103	57,684	62,704	64,344
Total value of output	166,051	165,183	160,422	162,029	157,553
Value of land and buildings	23,326	24,210	25,654	25,583	26,160
Value of plant and machinery	26,550	29,550	29,090	29,686	29,886
Horsepower of engines ordinarily in use	71,318	71,180	68,341	70,686	70,848

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

HOSIERY AND OTHER KNITTED GOODS: AUSTRALIA(a), 1963-64 TO 1967-68

	1963-64	1964-65	1965-66	1966-67	1967-68
Number of factories	607	602	592	573	565
Number of persons employed	25,471	25,593	25,559	25,043	25,500
Salaries and wages paid \$'000	42,834	46,267	48,343	51,172	54,604
Value of power, fuel, etc., used	1,691	1,753	1,829	1,945	2,164
Value of materials used	98,422	107,819	108,939	117,194	120,860
Value of production	83,674	91,207	93,348	98,155	101,660
Total value of output	183,788	200,778	204,115	217,294	224,684
Value of land and buildings	32,685	34,218	37,029	38,319	40,936
Value of plant and machinery	24,370	25,966	29,793	29,352	32,144
Horsepower of engines ordinarily in use	24,344	25,344	26,872	27,130	28,291

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

RAYON, ACRYLICS AND OTHER SYNTHETIC FIBRES: AUSTRALIA(a), 1963-64 TO 1967-68

	1963-64	1964-65	1965-66	1966-67	1967-68
Number of factories	43	38	40	39	36
Number of persons employed	4,527	4,104	4,562	4,843	4,810
Salaries and wages paid \$'000	9,825	9,212	10,329	12,139	12,166
Value of power, fuel, etc., used	1,236	1,192	1,338	1,408	1,550
Value of materials used	27,483	27,561	32,065	38,885	40,991
Value of production	18,191	19,161	20,957	21,769	26,610
Total value of output	46,910	47,914	54,359	62,062	69,151
Value of land and buildings	8,711	7,854	8,737	9,651	10,205
Value of plant and machinery	8,688	7,255	10,137	12,233	13,235
Horsepower of engines ordinarily in use	14,279	25,981	27,861	18,884	19,028

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

ROPE AND CORDAGE: AUSTRALIA(a), 1963-64 TO 1967-68

	1963-64	1964-65	1965-66	1966-67	1967-68
Number of factories	25	25	25	25	26
Number of persons employed	2,404	2,462	2,247	2,230	2,222
Salaries and wages paid \$'000	5,118	5,873	5,435	5,856	6,001
Value of power, fuel, etc., used	396	425	362	410	425
Value of materials used	11,911	13,409	10,510	11,371	10,578
Value of production	9,577	11,008	9,261	11,448	10,330
Total value of output	21,884	24,841	20,133	23,228	21,333
Value of land and buildings	5,492	5,642	5,686	5,622	5,778
Value of plant and machinery	3,600	3,885	3,916	3,602	3,676
Horsepower of engines ordinarily in use	15,407	13,032	16,557	15,748	16,126

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

WOOLSCOURING AND FELLMONGERY: AUSTRALIA(a), 1963-64 TO 1967-68

	1963-64	1964-65	1965-66	1966-67	1967-68
Number of factories	54	56	53	51	47
Number of persons employed	2,570	2,387	2,340	2,154	2,147
Salaries and wages paid \$'000	6,152	6,389	6,420	6,381	6,558
Value of power, fuel, etc., used	1,212	1,205	1,195	1,184	1,268
Value of materials used	35,621	31,404	28,789	27,761	23,858
Value of production	8,545	8,929	8,879	9,047	10,735
Total value of output	45,378	41,538	38,863	37,992	35,861
Value of land and buildings	6,082	6,558	6,408	6,288	6,482
Value of plant and machinery	2,993	3,383	3,110	3,393	3,272
Horsepower of engines ordinarily in use	18,089	17,939	16,715	19,914	19,576

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

TANNING, CURRYING AND LEATHER DRESSING: AUSTRALIA(a), 1963-64 TO 1967-68

	1963-64	1964-65	1965-66	1966-67	1967-68
Number of factories	102	102	102	96	97
Number of persons employed	4,298	4,277	4,012	3,721	3,657
Salaries and wages paid \$'000	9,910	10,828	10,242	10,015	10,055
Value of power, fuel, etc., used	1,021	1,045	988	948	976
Value of materials used	23,881	23,785	26,134	25,847	22,489
Value of production	17,165	16,576	16,323	16,127	16,550
Total value of output	42,066	41,407	43,445	42,922	40,016
Value of land and buildings	8,205	8,295	8,096	8,173	8,923
Value of plant and machinery	4,761	5,138	5,232	4,957	5,377
Horsepower of engines ordinarily in use	29,598	30,199	31,518	30,454	31,306

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

**LEATHER GOODS (INCLUDING SADDLERY AND BELTING)
AUSTRALIA(a), 1963-64 TO 1967-68**

	1963-64	1964-65	1965-66	1966-67	1967-68
Number of factories	383	378	374	364	359
Number of persons employed	4,646	4,677	4,719	4,735	4,893
Salaries and wages paid \$'000	7,260	7,877	8,245	8,875	9,654
Value of power, fuel, etc., used	161	141	144	156	162
Value of materials used	14,083	15,190	16,277	16,957	17,422
Value of production	12,854	14,259	15,173	16,112	17,440
Total value of output	27,097	29,590	31,593	33,224	35,024
Value of land and buildings	7,238	7,934	9,146	9,181	9,694
Value of plant and machinery	1,572	1,542	1,741	1,846	2,076
Horsepower of engines ordinarily in use	3,716	3,001	3,635	4,412	4,525

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

TAILORING AND READY-MADE CLOTHING: AUSTRALIA(a), 1963-64 TO 1967-68

	1963-64	1964-65	1965-66	1966-67	1967-68
Number of factories	1,892	1,879	1,805	1,670	1,640
Number of persons employed	34,188	35,092	35,529	34,213	33,519
Salaries and wages paid \$'000	51,126	55,926	58,884	61,132	63,385
Value of power, fuel, etc., used	1,059	1,089	1,104	1,073	1,110
Value of materials used	92,343	100,238	103,389	104,910	107,318
Value of production	86,803	95,711	102,855	105,515	110,113
Total value of output	180,206	197,037	207,348	211,498	218,541
Value of land and buildings	38,214	41,397	43,810	41,747	42,285
Value of plant and machinery	7,406	8,255	8,819	9,123	9,895
Horsepower of engines ordinarily in use	13,348	13,515	14,293	14,066	14,440

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

DRESSMAKING AND MILLINERY: AUSTRALIA(a), 1963-64 TO 1967-68

	1963-64	1964-65	1965-66	1966-67	1967-68
Number of factories	1,124	1,146	1,181	1,281	1,298
Number of persons employed	14,930	15,041	15,618	17,626	18,100
Salaries and wages paid \$'000	21,188	22,577	24,387	29,788	32,079
Value of power, fuel, etc., used	439	447	486	596	636
Value of materials used	28,285	29,595	29,478	36,832	37,443
Value of production	34,240	36,771	38,837	48,786	53,220
Total value of output	62,964	66,812	68,801	86,214	91,300
Value of land and buildings	19,232	21,018	22,980	26,934	28,983
Value of plant and machinery	2,742	2,813	3,136	3,939	3,954
Horsepower of engines ordinarily in use	4,955	5,628	6,141	6,965	7,332

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

SHIRTS, COLLARS AND UNDERCLOTHING: AUSTRALIA(a), 1963-64 TO 1967-68

	1963-64	1964-65	1965-66	1966-67	1967-68
Number of factories	329	337	333	334	330
Number of persons employed	13,271	13,823	14,719	14,470	14,450
Salaries and wages paid \$'000	18,312	20,725	23,525	24,357	25,372
Value of power, fuel, etc., used	335	362	386	405	405
Value of materials used	34,453	35,748	35,780	38,841	38,542
Value of production	29,720	32,602	36,888	36,326	39,594
Total value of output	64,507	68,712	73,054	75,573	78,541
Value of land and buildings	11,086	12,209	13,493	14,757	17,121
Value of plant and machinery	2,942	3,469	3,818	4,124	5,284
Horsepower of engines ordinarily in use	5,928	6,188	6,557	6,904	6,923

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

FOUNDATION GARMENTS: AUSTRALIA(a), 1963-64 TO 1967-68

	1963-64	1964-65	1965-66	1966-67	1967-68
Number of factories	62	64	65	59	56
Number of persons employed	3,948	4,176	4,492	4,553	4,753
Salaries and wages paid \$'000	5,616	6,457	6,969	7,824	8,687
Value of power, fuel, etc., used	104	105	112	112	124
Value of materials used	13,057	14,658	15,739	17,814	17,914
Value of production	12,428	13,994	14,909	16,354	18,751
Total value of output	25,589	28,757	30,760	34,280	36,788
Value of land and buildings	4,918	5,411	5,227	5,311	5,887
Value of plant and machinery	1,414	1,665	1,762	1,634	1,794
Horsepower of engines ordinarily in use	2,082	2,353	2,336	2,652	2,752

(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. 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 1094.

BOOTS AND SHOES: AUSTRALIA(a), 1963-64 TO 1967-68

	1963-64	1964-65	1965-66	1966-67	1967-68
Number of factories	393	398	394	386	368
Number of persons employed	21,030	20,779	20,072	20,009	19,659
Salaries and wages paid \$'000	36,459	38,372	37,507	40,055	41,013
Value of power, fuel, etc., used	686	724	743	798	803
Value of materials used	63,347	63,931	60,849	66,629	68,102
Value of production	58,342	58,738	61,523	66,104	68,024
Total value of output	122,375	123,393	123,114	133,532	136,929
Value of land and buildings	16,243	17,057	18,229	19,261	19,178
Value of plant and machinery	16,077	18,805	19,258	20,619	21,428
Horsepower of engines ordinarily in use	15,594	15,394	16,117	15,658	15,533

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

FLOUR-MILLING: AUSTRALIA(a), 1963-64 TO 1967-68

	1963-64	1964-65	1965-66	1966-67	1967-68
Number of factories	114	108	107	102	99
Number of persons employed	4,512	4,253	4,152	3,861	3,911
Salaries and wages paid \$'000	10,560	10,736	10,934	10,977	11,539
Value of power, fuel, etc., used	2,028	1,964	1,880	1,865	1,954
Value of materials used	132,713	124,974	122,433	122,294	131,277
Value of production	27,962	29,210	30,184	31,122	34,237
Total value of output	162,703	156,148	154,497	155,281	167,468
Value of land and buildings	18,024	17,615	18,272	17,964	18,256
Value of plant and machinery	13,065	13,069	13,506	13,294	13,315
Horsepower of engines ordinarily in use	54,256	54,450	56,970	51,638	52,175

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

OTHER GRAIN MILLS(a): AUSTRALIA(b), 1963-64 TO 1967-68

	1963-64	1964-65	1965-66	1966-67	1967-68
Number of factories	254	271	269	283	290
Number of persons employed	5,322	5,774	5,979	6,302	6,737
Salaries and wages paid \$'000	11,495	13,116	14,586	16,823	18,806
Value of power, fuel, etc., used	2,227	2,383	2,609	2,950	3,418
Value of materials used	77,154	93,800	106,972	113,289	132,521
Value of production	35,718	41,504	45,401	48,239	55,259
Total value of output	115,100	137,687	154,983	164,478	191,197
Value of land and buildings	15,464	16,885	18,694	21,220	25,189
Value of plant and machinery	15,378	17,772	18,400	22,039	26,749
Horsepower of engines ordinarily in use	53,849	59,279	63,492	70,603	78,594

(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), 1963-64 TO 1967-68

	1963-64	1964-65	1965-66	1966-67	1967-68
Number of factories	3,689	3,681	3,580	3,481	3,376
Number of persons employed	21,627	22,447	22,950	23,346	23,489
Salaries and wages paid \$'000	36,163	40,162	42,875	47,010	49,878
Value of power, fuel, etc., used	5,636	5,904	6,075	6,168	6,417
Value of materials used	104,820	113,476	118,707	121,347	126,238
Value of production	86,550	93,901	108,346	112,837	117,288
Total value of output	197,005	213,280	233,128	240,353	249,944
Value of land and buildings	61,898	67,902	71,946	75,378	82,345
Value of plant and machinery	37,903	40,277	40,473	39,788	43,347
Horsepower of engines ordinarily in use	40,175	43,209	44,947	45,615	48,641

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

BISCUITS: AUSTRALIA(a), 1963-64 TO 1967-68

	1963-64	1964-65	1965-66	1966-67	1967-68
Number of factories	53	53	56	55	57
Number of persons employed	6,262	6,474	6,716	6,843	6,761
Salaries and wages paid \$'000	11,696	13,159	13,677	15,107	15,338
Value of power, fuel, etc., used	1,171	1,242	1,317	1,377	1,454
Value of materials used	27,483	29,714	32,546	35,072	36,528
Value of production	21,628	24,910	26,368	26,955	30,069
Total value of output	50,281	55,867	60,231	63,404	68,052
Value of land and buildings	11,278	12,926	14,404	14,410	16,023
Value of plant and machinery	8,868	8,422	10,180	10,850	12,561
Horsepower of engines ordinarily in use	16,381	16,791	17,395	18,831	19,492

(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 1967-68 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, 1963-64 TO 1967-68

	1963-64	1964-65	1965-66	1966-67	1967-68
New South Wales—					
Number of factories	3	3	3	3	3
Number of persons employed	247	283	328	330	363
Queensland—					
Number of factories	31	31	31	31	31
Number of persons employed	6,981	7,924	7,008	6,758	6,834

CONFECTIONERY: AUSTRALIA(a), 1963-64 TO 1967-68

	1963-64	1964-65	1965-66	1966-67	1967-68
Number of factories	189	187	180	175	172
Number of persons employed	8,156	8,301	8,590	8,663	8,544
Salaries and wages paid \$'000	15,185	16,685	18,037	19,371	20,448
Value of power, fuel, etc., used	1,596	1,613	1,653	1,719	1,795
Value of materials used	49,470	53,864	53,414	60,573	61,475
Value of production	32,371	33,984	38,303	39,779	40,786
Total value of output	83,437	89,461	93,371	102,071	104,055
Value of land and buildings	17,459	18,334	20,232	22,369	27,383
Value of plant and machinery	17,780	19,095	19,776	21,085	25,692
Horsepower of engines ordinarily in use	43,165	41,806	43,790	48,076	49,855

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

**JAM, FRUIT AND VEGETABLE CANNING, PICKLES, SAUCES, VINEGAR
AUSTRALIA(a), 1963-64 TO 1967-68**

	1963-64	1964-65	1965-66	1966-67	1967-68
Number of factories	167	161	160	156	157
Number of persons employed	12,397	12,672	13,573	13,473	13,016
Salaries and wages paid \$'000	25,961	29,281	31,989	35,202	35,248
Value of power, fuel, etc., used	2,609	2,868	3,167	3,329	3,297
Value of materials used	103,551	116,182	134,813	141,964	144,174
Value of production	60,924	66,754	74,873	80,787	74,071
Total value of output	167,084	185,805	212,852	226,080	221,541
Value of land and buildings	32,105	34,415	39,166	42,181	42,647
Value of plant and machinery	30,011	33,473	40,649	43,552	47,721
Horsepower of engines ordinarily in use	53,024	54,139	59,306	63,006	64,032

(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), 1963-64 TO 1967-68

	1963-64	1964-65	1965-66	1966-67	1967-68
Number of factories	85	79	81	76	75
Number of persons employed	4,865	5,098	5,419	5,569	5,370
Salaries and wages paid \$'000	9,924	11,101	12,371	13,440	13,662
Value of power, fuel, etc., used	1,113	1,151	1,198	1,370	1,318
Value of materials used	67,841	74,997	80,060	85,356	90,777
Value of production	19,155	22,982	29,124	30,747	28,910
Total value of output	88,109	99,129	110,381	117,472	121,005
Value of land and buildings	8,750	8,997	9,894	10,415	10,487
Value of plant and machinery	5,919	6,190	6,951	7,752	7,682
Horsepower of engines ordinarily in use	18,152	18,396	20,141	20,640	20,803

(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), 1963-64 TO 1967-68**

	1963-64	1964-65	1965-66	1966-67	1967-68
Number of factories	347	344	337	328	315
Number of persons employed	11,510	11,505	11,454	11,650	11,273
Salaries and wages paid \$'000	26,314	27,680	28,810	31,445	32,586
Value of power, fuel, etc., used	6,138	6,364	6,500	6,988	7,185
Value of materials used	244,587	261,066	262,480	286,631	264,775
Value of production	59,236	65,028	67,970	68,535	65,262
Total value of output	309,961	332,458	336,949	362,154	337,222
Value of land and buildings	31,534	34,544	38,681	42,699	43,988
Value of plant and machinery	39,361	40,445	46,398	52,842	53,236
Horsepower of engines ordinarily in use	120,084	120,208	127,837	133,449	126,676

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

The following industries 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 Industries.

MEAT AND FISH PRESERVING: AUSTRALIA(a), 1963-64 TO 1967-68

	1963-64	1964-65	1965-66	1966-67	1967-68
Number of factories	164	173	175	223	240
Number of persons employed	10,161	10,225	10,659	11,333	12,357
Salaries and wages paid \$'000	22,923	24,993	26,916	30,137	33,396
Value of power, fuel, etc., used	3,147	3,318	3,527	3,509	3,919
Value of materials used	158,668	178,508	200,506	206,986	237,485
Value of production	43,539	46,456	55,209	63,630	71,044
Total value of output	205,353	228,283	259,243	274,125	312,448
Value of land and buildings	21,013	26,840	28,050	32,329	35,831
Value of plant and machinery	15,162	19,587	21,633	24,772	28,270
Horsepower of engines ordinarily in use	56,424	54,214	60,346	66,267	79,100

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

CONDIMENTS, COFFEE, SPICES: AUSTRALIA(a), 1963-64 TO 1967-68

	1963-64	1964-65	1965-66	1966-67	1967-68
Number of factories	238	239	237	241	238
Number of persons employed	5,218	5,166	5,431	5,422	5,306
Salaries and wages paid \$'000	9,975	9,983	11,669	12,650	13,038
Value of power, fuel, etc., used	743	754	867	943	935
Value of materials used	45,737	48,805	54,706	56,146	56,844
Value of production	27,506	29,459	33,534	40,284	43,624
Total value of output	73,986	79,018	89,108	97,372	101,403
Value of land and buildings	18,766	21,091	23,165	24,299	23,321
Value of plant and machinery	7,956	10,099	11,827	12,773	12,061
Horsepower of engines ordinarily in use	17,088	18,590	19,500	19,355	19,697

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

BREWERIES: AUSTRALIA(a), 1963-64 TO 1967-68

	1963-64	1964-65	1965-66	1966-67	1967-68
Number of factories	24	26	26	25	25
Number of persons employed	5,744	5,885	5,943	5,928	6,063
Salaries and wages paid \$'000	14,753	15,946	16,997	18,572	20,949
Value of power, fuel, etc., used	3,140	3,160	3,365	3,503	3,798
Value of materials used	59,967	64,746	65,255	70,760	79,634
Value of production	48,355	51,878	53,509	57,020	63,451
Total value of output(b)	111,463	119,784	122,130	131,282	146,883
Value of land and buildings	30,121	31,363	32,400	36,385	38,073
Value of plant and machinery	30,733	32,442	33,129	36,204	38,167
Horsepower of engines ordinarily in use	53,765	56,549	62,045	63,275	66,846

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

AERATED WATERS AND CORDIALS: AUSTRALIA(a), 1963-64 TO 1967-68

	1963-64	1964-65	1965-66	1966-67	1967-68
Number of factories	509	503	495	492	482
Number of persons employed	5,193	5,303	5,717	5,982	6,122
Salaries and wages paid	\$'000 9,434	10,415	11,940	13,365	14,424
Value of power, fuel, etc., used	936	1,020	1,062	1,161	1,281
Value of materials used	30,985	35,693	41,257	45,898	58,233
Value of production	27,473	31,758	33,305	37,646	45,789
Total value of output	59,395	68,471	75,624	84,705	105,303
Value of land and buildings	19,027	19,770	20,473	21,927	23,358
Value of plant and machinery	12,688	13,031	14,152	15,685	17,014
Horsepower of engines ordinarily in use	17,610	18,713	20,190	21,821	22,281

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

WINERIES AND DISTILLERIES: AUSTRALIA(a), 1963-64 TO 1967-68

	1963-64	1964-65	1965-66	1966-67	1967-68
Number of factories	169	170	177	178	178
Number of persons employed	2,204	2,344	2,408	2,488	2,665
Salaries and wages paid	\$'000 4,458	5,057	5,587	6,089	6,729
Value of power, fuel, etc., used	798	907	893	937	988
Value of materials used	21,431	23,988	23,377	27,988	30,560
Value of production	11,874	15,815	15,137	19,741	21,521
Total value of output	34,103	40,711	39,408	48,666	53,069
Value of land and buildings	7,285	8,015	8,956	9,385	10,258
Value of plant and machinery	7,789	8,370	8,832	9,648	11,067
Horsepower of engines ordinarily in use	17,942	18,807	19,265	19,667	20,443

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

TOBACCO, CIGARS AND CIGARETTES: AUSTRALIA(a), 1963-64 TO 1967-68

	1963-64	1964-65	1965-66	1966-67	1967-68
Number of factories	15	15	16	15	13
Number of persons employed	4,498	4,670	4,843	4,659	4,716
Salaries and wages paid	\$'000 10,898	11,513	11,878	12,801	13,536
Value of power, fuel, etc., used	508	547	615	688	736
Value of materials used	78,380	81,280	77,434	81,318	83,513
Value of production	45,233	52,482	57,426	66,070	75,623
Total value of output(b)	124,122	134,308	135,474	148,075	159,871
Value of land and buildings	10,003	10,424	12,448	13,299	12,415
Value of plant and machinery	13,784	14,104	15,231	17,205	15,960
Horsepower of engines ordinarily in use	11,955	12,596	13,188	14,418	14,150

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

ICE-CREAM: AUSTRALIA(a), 1963-64 TO 1967-68

	1963-64	1964-65	1965-66	1966-67	1967-68
Number of factories	53	54	56	56	57
Number of persons employed	2,518	2,639	2,687	2,847	2,869
Salaries and wages paid	\$'000 5,429	6,019	6,587	6,973	7,523
Value of power, fuel, etc., used	1,040	1,106	1,214	1,303	1,385
Value of materials used	17,097	19,301	23,510	26,647	28,850
Value of production	13,903	15,636	16,790	16,098	17,906
Total value of output	32,040	36,043	41,514	44,048	48,141
Value of land and buildings	11,297	13,486	13,993	14,090	14,880
Value of plant and machinery	15,260	12,702	12,722	13,545	13,177
Horsepower of engines ordinarily in use	20,562	21,415	24,360	26,287	26,604

(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), 1963-64 TO 1967-68**

	1963-64	1964-65	1965-66	1966-67	1967-68
Number of factories	2,421	2,353	2,335	2,288	2,242
Number of persons employed	32,202	32,271	33,104	32,147	31,793
Salaries and wages paid \$'000	63,119	67,479	71,910	74,196	77,054
Value of power, fuel, etc., used	5,325	5,552	5,658	5,742	5,931
Value of materials used	156,464	166,841	169,627	174,595	182,307
Value of production	115,903	128,319	133,222	135,576	140,591
Total value of output	277,692	300,713	308,507	315,913	328,828
Value of land and buildings	39,004	40,967	45,254	46,921	48,695
Value of plant and machinery	40,111	41,964	44,677	46,099	46,202
Horsepower of engines ordinarily in use	437,807	433,626	453,625	464,782	470,496

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

JOINERY: AUSTRALIA(a), 1963-64 TO 1967-68

	1963-64	1964-65	1965-66	1966-67	1967-68
Number of factories	2,239	2,320	2,329	2,381	2,374
Number of persons employed	17,594	18,597	18,954	19,130	19,451
Salaries and wages paid \$'000	36,705	40,956	43,172	46,462	49,952
Value of power, fuel, etc., used	969	1,062	1,089	1,132	1,207
Value of materials used	70,156	78,939	81,768	87,660	93,354
Value of production	59,291	67,506	69,344	76,939	82,629
Total value of output	130,416	147,507	152,201	165,730	177,190
Value of land and buildings	32,757	37,356	40,473	44,661	48,898
Value of plant and machinery	10,811	11,352	12,036	12,936	13,333
Horsepower of engines ordinarily in use	89,578	93,636	96,683	100,239	102,002

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

**CABINET AND FURNITURE MAKING AND UPHOLSTERY
AUSTRALIA(a), 1963-64 TO 1967-68**

	1963-64	1964-65	1965-66	1966-67	1967-68
Number of factories	1,638	1,639	1,624	1,641	1,662
Number of persons employed	15,948	16,361	16,630	16,932	17,396
Salaries and wages paid \$'000	30,874	34,047	36,254	38,683	42,286
Value of power, fuel, etc., used	830	869	914	943	1,027
Value of materials used	61,061	67,330	67,146	69,338	75,927
Value of production	52,312	58,816	63,298	68,418	73,257
Total value of output	114,204	127,014	131,359	138,700	150,211
Value of land and buildings	30,906	34,730	37,032	40,257	44,502
Value of plant and machinery	7,716	8,029	8,839	9,335	9,590
Horsepower of engines ordinarily in use	46,599	47,136	52,932	55,079	56,546

(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), 1963-64 TO 1967-68

	1963-64	1964-65	1965-66	1966-67	1967-68
Number of factories	411	413	407	408	402
Number of persons employed	16,052	17,287	17,476	17,734	17,901
Salaries and wages paid \$'000	40,225	46,120	48,516	53,366	57,618
Value of power, fuel, etc., used	1,481	1,587	1,646	1,784	1,927
Value of materials used	61,446	66,240	67,181	70,189	75,190
Value of production	74,132	83,292	88,401	99,270	106,604
Total value of output	137,059	151,119	157,228	171,242	183,721
Value of land and buildings	39,053	42,958	45,093	46,506	53,857
Value of plant and machinery	37,403	42,588	44,263	46,996	50,333
Horsepower of engines ordinarily in use	44,029	48,021	49,985	53,053	53,764

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

GOVERNMENT AND GENERAL PRINTING WORKS
AUSTRALIA(a), 1963-64 TO 1967-68

	1963-64	1964-65	1965-66	1966-67	1967-68
Number of factories	1,780	1,875	1,904	1,960	1,986
Number of persons employed	31,637	33,222	34,747	34,988	35,536
Salaries and wages paid \$'000	69,623	78,133	85,444	90,418	97,018
Value of power, fuel, etc., used	2,227	2,504	2,761	2,821	2,969
Value of materials used	89,280	98,703	105,269	108,008	116,436
Value of production	124,881	138,981	153,535	162,365	177,359
Total value of output	216,388	240,188	261,564	273,195	296,763
Value of land and buildings	67,550	79,610	84,829	89,279	97,117
Value of plant and machinery	54,510	60,855	65,295	66,415	68,364
Horsepower of engines ordinarily in use	54,491	58,731	61,942	62,427	65,455

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

MANUFACTURED STATIONERY: AUSTRALIA(a), 1963-64 TO 1967-68

	1963-64	1964-65	1965-66	1966-67	1967-68
Number of factories	148	142	144	147	148
Number of persons employed	5,563	5,870	6,134	6,279	6,327
Salaries and wages paid \$'000	11,746	13,077	14,445	15,470	16,410
Value of power, fuel, etc., used	524	560	561	603	642
Value of materials used	37,028	39,299	41,283	43,888	46,260
Value of production	30,272	34,597	38,655	41,841	46,478
Total value of output	67,824	74,457	80,499	86,332	93,381
Value of land and buildings	14,645	15,496	17,384	17,865	20,223
Value of plant and machinery	10,774	10,706	12,261	13,217	14,766
Horsepower of engines ordinarily in use	11,955	12,625	13,554	13,962	14,392

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

CARDBOARD BOXES, CARTONS AND CONTAINERS, AND PAPER BAGS
AUSTRALIA(a), 1963-64 TO 1967-68

	1963-64	1964-65	1965-66	1966-67	1967-68
Number of factories	254	250	252	259	266
Number of persons employed	11,501	12,158	12,839	13,696	14,312
Salaries and wages paid \$'000	24,543	28,027	30,121	34,343	37,880
Value of power, fuel, etc., used	1,045	1,191	1,266	1,447	1,625
Value of materials used	87,003	97,553	104,210	116,952	128,713
Value of production	53,695	60,615	64,843	75,154	83,261
Total value of output	141,743	159,359	170,319	193,553	213,598
Value of land and buildings	30,764	38,002	41,304	46,573	49,123
Value of plant and machinery	26,268	29,899	32,100	35,072	37,934
Horsepower of engines ordinarily in use	28,154	31,661	34,834	39,343	42,995

(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 1967-68 comprised three in New South Wales, nine 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), 1963-64 TO 1967-68

	1963-64	1964-65	1965-66	1966-67	1967-68
Number of factories	26	25	25	23	21
Number of persons employed	9,205	9,411	9,782	10,087	9,920
Salaries and wages paid	\$'000 28,011	31,000	32,780	36,293	37,372
Value of power, fuel, etc., used	9,944	10,763	11,589	13,115	13,573
Value of materials used	66,555	76,704	81,786	87,647	90,888
Value of production	66,195	74,466	75,050	80,351	88,823
Total value of output	142,695	161,932	168,425	181,114	193,283
Value of land and buildings	34,310	35,915	44,985	46,286	48,764
Value of plant and machinery	73,352	78,842	92,452	105,982	117,020
Horsepower of engines ordinarily in use	256,769	270,526	286,522	298,765	299,646

(a) Includes pulp mills. (b) Before 1 July 1964, excludes Northern Territory and Australian Capital Territory.

RUBBER GOODS: AUSTRALIA(a), 1963-64 TO 1967-68

	1963-64	1964-65	1965-66	1966-67	1967-68
Number of factories	119	120	125	125	123
Number of persons employed	16,944	17,414	17,071	16,837	17,677
Salaries and wages paid	\$'000 41,181	46,199	46,082	47,942	53,569
Value of power, fuel, etc., used	5,354	5,419	5,563	5,787	6,103
Value of materials used	93,452	101,143	99,857	99,824	107,086
Value of production	67,037	69,095	70,289	76,052	88,725
Total value of output	165,843	175,658	175,709	181,662	201,914
Value of land and buildings	32,160	33,002	38,682	43,939	44,240
Value of plant and machinery	30,688	34,864	47,304	53,293	52,917
Horsepower of engines ordinarily in use	151,918	163,700	181,284	197,188	196,794

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

TYRE RETREADING AND REPAIRING: AUSTRALIA(a), 1963-64 TO 1967-68

	1963-64	1964-65	1965-66	1966-67	1967-68
Number of factories	555	585	586	560	525
Number of persons employed	3,317	3,399	3,345	3,361	3,434
Salaries and wages paid	\$'000 6,823	7,412	7,856	8,249	9,032
Value of power, fuel, etc., used	930	967	988	1,051	1,070
Value of materials used	15,903	18,107	18,579	19,995	20,941
Value of production	18,667	19,961	19,919	23,417	24,521
Total value of output	35,500	39,035	39,485	44,464	46,532
Value of land and buildings	18,434	19,319	20,114	20,332	19,861
Value of plant and machinery	5,844	6,344	6,890	6,988	6,848
Horsepower of engines ordinarily in use	14,406	15,681	16,191	17,876	17,229

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

PLASTIC MOULDING AND PRODUCTS: AUSTRALIA(a), 1963-64 TO 1967-68

	1963-64	1964-65	1965-66	1966-67	1967-68
Number of factories	440	485	505	541	571
Number of persons employed	12,668	14,157	14,517	15,833	17,067
Salaries and wages paid	\$'000 27,905	33,770	35,426	41,371	47,667
Value of power, fuel, etc., used	" 2,530	2,985	3,170	3,755	4,205
Value of materials used	" 63,489	75,722	76,957	91,691	110,621
Value of production	" 57,641	66,818	68,464	84,248	93,890
Total value of output	" 123,660	145,526	148,591	179,694	208,715
Value of land and buildings	" 25,485	29,954	34,174	40,870	44,939
Value of plant and machinery	" 28,965	32,843	36,559	40,451	45,477
Horsepower of engines ordinarily in use	58,759	66,918	75,451	85,077	91,582

(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 1058.

ELECTRIC LIGHT AND POWER WORKS: AUSTRALIA(a), 1963-64 TO 1967-68

	1963-64	1964-65	1965-66	1966-67	1967-68
Number of factories	269	258	253	244	252
Number of persons employed	12,162	12,457	12,600	13,085	12,999
Salaries and wages paid	\$'000 33,235	36,283	38,879	41,352	43,713
Value of power, fuel, etc., used	" 85,708	88,590	94,151	98,169	101,965
Value of materials used	" 11,492	16,139	17,348	20,176	21,149
Value of production	" 194,019	206,233	220,237	237,385	263,018
Total value of output	" 291,219	310,962	331,736	355,731	386,132
Value of land and buildings	" 497,126	537,430	583,694	638,486	657,633
Value of plant and machinery	" 622,087	652,376	711,382	879,465	891,402
Generators installed—kilowatt capacity '000 kW	7,983	8,498	9,396	11,051	12,153

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

GAS WORKS: AUSTRALIA(a), 1963-64 TO 1967-68

	1963-64	1964-65	1965-66	1966-67	1967-68
Number of factories	87	89	87	86	83
Number of persons employed	3,449	3,272	3,055	2,991	2,805
Salaries and wages paid	\$'000 9,157	9,200	9,325	9,694	9,644
Value of power, fuel, etc., used	" 5,627	5,538	5,186	5,191	5,455
Value of materials used	" 26,586	26,708	27,349	26,688	27,041
Value of production	" 33,289	35,018	34,089	35,686	35,367
Total value of output	" 65,502	67,263	66,624	67,566	67,863
Value of land and buildings	" 15,327	16,134	16,393	16,053	15,829
Value of plant and machinery	" 60,559	63,697	65,864	65,089	62,130
Horsepower of engines ordinarily in use	56,803	58,702	59,127	63,103	62,236

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

