

CHAPTER 27

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 Economic Statistics*, and the *Monthly Bulletin of Production Statistics*. Preliminary annual statements (*Factory Statistics*) and *Principal Statistics of Factories, by Class of Industry* and a monthly statement (*Production Statistics*) are also issued.

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

In this issue of the Year Book factory statistics have been advanced by two years to 1965-66, but details for the year 1964-65 have been omitted in respect of some tables. The information thus omitted is available in *Manufacturing Industry*, 1964-65, Bulletin No. 2 and in the mimeographed statement *A Summary of Principal Statistics of Factories*, No. 17, 1964-65.

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 20, 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 national standardising organisation, and issues Australian standard specifications and test methods for materials and products and standard codes of practice.

The Standards Association was established in July 1929 by the amalgamation of the Australian Commonwealth Engineering Standards Association and the Australian Commonwealth Association of Simplified Practice. It was incorporated by Royal Charter in 1950. It is an independent

body in close touch with modern industrial requirements and has the full recognition and support of the Commonwealth and State Governments and of industry. Half of its funds are provided by Commonwealth Government grant, the remainder coming from membership subscriptions, other contributions, and sale of publications. Organisations, companies and individuals are eligible for subscription membership.

The governing body of the Association is a Council, on which industry is fully represented, together with official representatives of the Commonwealth and State Governments and their technical departments, and of scientific, professional and commercial organisations. Voluntary assistance is rendered in the drafting of specifications and codes by several thousand individuals who are experts in their particular fields. They are organised into some hundreds of committees. These committees are grouped under broad industry divisions, including building construction and civil engineering, electrical engineering, mechanical engineering, chemical, timber, plastics, packaging, and iron and steel.

The Association publishes standards of many kinds for the benefit of industry and commerce. Its specifications provide a suitable standard of performance, quality and dimension, and an equitable basis for tendering. They help to eliminate redundant qualities and sizes. They enable purchasers to obtain their requirements with greater assurance of satisfaction, with more rapid delivery, and without the necessity of drafting individual specifications. As a rule the Association creates national standards based on Australian practices, but attention is also given to international recommendations issued by the international standards bodies referred to below. There is also some endorsement of British standards, with or without modification. More than 1,500 Australian standards have been published and more than 600 projects are in hand.

The underlying principles covering the preparation of the specifications and codes are that they shall be in accordance with the needs of industry; that the common interests of producer and consumer be maintained; that periodical revision should keep the work abreast with progress; and that standardisation be arrived at by general consent without coercion. 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 serve to provide necessary material for committee work and also give freely a service to those concerned with standards or related matters, e.g. to importers and exporters seeking details of practice in other countries.

The Association has international affiliations and is a member, representing Australia, of the International Organization for Standardization (ISO) and of the International Electro-technical Commission (IEC). Close links are maintained with the British Standards Institution and the standards organisations of other British Commonwealth countries. The Association is the Australian agent of the British Standards Institution and can supply all British standards. Its functions are linked to some extent with those of the National Association of Testing Authorities in that whereas the Standards Association establishes and publishes standard test methods, the Association of Testing Authorities works to ensure that registered testing laboratories maintain their level of competence.

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 1966 there were 570 laboratories registered with the Association, which had a further eighty applications for registration before it.

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

Definitions in factory statistics

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

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

All persons employed in the manufacturing activities of a factory are counted as factory employees, including working proprietors and 'out-workers'.

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 the value, in the usual sense, of the materials used, 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, of lubricants and of water.

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

The *value of production* is the value added to raw materials by the process of manufacture. It is calculated by deducting from the value of factory output the value (at the factory) of the materials used, containers and packing, power, fuel and light used, tools replaced, and materials used in repairs to plant (but not depreciation charges). In the process of manufacture many goods are treated in several industries, the output of one becoming the raw material of another, so that such commodities are counted more than once in the aggregate value of output and of raw materials. Examples are raw sugar passing from the mills to the refinery, metals from the smelters which become raw 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 new 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, CONVEYANCES

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 spinning
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 feltmongery
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, etc.
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

CLASS 9. FOOD, DRINK AND TOBACCO—continued

15. Condensed and dried milk factories
16. Margarine
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. Wine-making
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, BOOKBINDING, 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

The development of the manufacturing industries in Australia at intervals since 1901 is summarised in the following table.

FACTORIES: AUSTRALIA(a), 1901 TO 1965-66

Year	Factories	Employment(b)	Salaries and wages paid(c)	Value of—				
				Materials and fuel used	Output	Production (d)	Land and buildings	Plant and machinery
	No.	'000	\$'000	\$'000	\$'000	\$'000	\$'000	\$'000
1901	11,143	198	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
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
1961-62	58,450	1,121	2,286,550	6,113,465	10,508,098	4,394,635	2,809,641	3,052,079
1962-63	59,147	1,168	2,446,694	6,688,062	11,483,303	4,795,241	3,006,820	3,286,533
1963-64	59,375	1,210	2,651,620	7,372,682	12,642,686	5,270,003	3,204,685	3,480,673
1964-65	61,042	1,269	2,993,709	8,140,600	14,037,355	5,896,754	3,505,859	3,766,253
1965-66	61,686	1,294	3,162,769	8,443,953	14,719,308	6,275,355	3,776,698	4,156,285

(a) Prior to 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 drawings by working proprietors. (d) Value added in process of manufacture (i.e. value of output less value of materials and fuel, etc. used).

Number of factories

Number in each State and Territory

FACTORIES: NUMBER, STATES AND TERRITORIES, 1961-62 TO 1965-66

Year	N.S.W.	Vic.	Qld	S.A.	W.A.	Tas.	N.T.	A.C.T.	Aust. (a)
1961-62 . . .	23,629	17,300	5,824	5,519	4,418	1,760	n.a.	n.a.	58,450
1962-63 . . .	23,729	17,501	5,895	5,766	4,492	1,764	n.a.	n.a.	59,147
1963-64 . . .	23,642	17,597	5,955	5,826	4,609	1,746	n.a.	n.a.	59,375
1964-65 . . .	24,368	17,925	5,962	5,887	4,734	1,805	174	187	61,042
1965-66 . . .	24,531	17,980	6,010	6,065	4,906	1,792	185	217	61,686

(a) Prior to 1 July 1964 excludes Northern Territory and Australian Capital Territory.

Number by class of industry

The next table shows 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)
1961-62 TO 1965-66

Class of industry	1961-62	1962-63	1963-64	1964-65	1965-66
1. Treatment of non-metalliferous mine and quarry products	1,454	1,494	1,517	1,557	1,611
2. Bricks, pottery, glass, etc.	694	692	692	689	678
3. Chemicals, dyes, explosives, paints, oils, grease	1,285	1,288	1,303	1,325	1,354
4. Industrial metals, machines, conveyances	24,193	24,914	25,415	26,665	27,549
5. Precious metals, jewellery, plate	911	918	927	980	970
6. Textiles and textile goods (not dress)	1,386	1,368	1,358	1,373	1,360
7. Skins and leather (not clothing or footwear)	671	656	645	639	631
8. Clothing (except knitted)	7,561	7,614	7,447	7,450	7,271
9. Food, drink and tobacco	7,251	7,161	7,034	7,060	6,938
10. Sawmills, joinery, boxes, etc., wood turning and carving	5,634	5,521	5,422	5,454	5,402
11. Furniture of wood, bedding, etc.	2,157	2,154	2,181	2,210	2,200
12. Paper, stationery, printing, bookbinding, etc.	2,739	2,774	2,828	2,937	2,971
13. Rubber	650	659	674	705	711
14. Musical instruments	85	86	82	76	73
15. Miscellaneous products	1,409	1,486	1,494	1,575	1,627
<i>Total, classes 1 to 15</i>	<i>58,080</i>	<i>58,785</i>	<i>59,019</i>	<i>60,695</i>	<i>61,346</i>
16. Heat, light and power	370	362	356	347	340
Grand total	58,450	59,147	59,375	61,042	61,686

(a) Prior to 1 July 1964 excludes Northern Territory and Australian Capital Territory.

The following table shows the number of factories in each State and Territory classified by nature of industry.

**FACTORIES: NUMBER, BY CLASS OF INDUSTRY, STATES AND TERRITORIES
1965-66**

Class of industry	N.S.W.	Vic.	Qld	S.A.	W.A.	Tas.	N.T.	A.C.T.	Aust.
1. Treatment of non-metal- liferous mine and quarry products	537	488	142	206	156	58	12	12	1,611
2. Bricks, pottery, glass, etc.	296	176	52	73	49	23	3	6	678
3. Chemicals, dyes, explo- sives, paints, oils, grease	637	391	97	106	87	30	5	1	1,354
4. Industrial metals, machines, conveyances	11,077	7,470	2,618	3,051	2,449	676	102	106	27,549
5. Precious metals, jewellery, plate	387	252	42	171	93	19	..	6	970
6. Textiles and textile goods (not dress)	436	775	32	60	34	23	..	..	1,360
7. Skins and leather (not clothing or footwear)	293	224	45	40	24	5	..	..	631
8. Clothing (except knitted)	3,311	2,439	537	539	338	83	7	17	7,271
9. Food, drink and tobacco	2,415	1,918	915	743	623	284	22	18	6,938
10. Sawmills, joinery, boxes, etc., wood turning and carving	1,932	1,361	739	451	449	425	17	28	5,402
11. Furniture of wood, bed- ding, etc.	822	621	284	211	190	62	2	8	2,200
12. Paper, stationery, printing, bookbinding, etc.	1,256	1,071	230	192	160	48	4	10	2,971
13. Rubber	250	188	124	58	60	20	6	5	711
14. Musical instruments	35	16	6	10	6	..	..	..	73
15. Miscellaneous products	764	538	85	120	100	20	..	..	1,627
<i>Total, classes 1 to 15</i>	<i>24,448</i>	<i>17,928</i>	<i>5,948</i>	<i>6,031</i>	<i>4,818</i>	<i>1,776</i>	<i>180</i>	<i>217</i>	<i>61,346</i>
16. Heat, light and power	83	52	62	34	88	16	5	..	340
Grand total	24,531	17,980	6,010	6,065	4,906	1,792	185	217	61,686

Classification of factories by number of persons employed

The classification of factories in the tables on pages 1111-13 is based on the average weekly number of persons employed during the period of operation (including working proprietors).

The following two tables show the number of factories and the average number of persons employed therein, classified by the average number of persons employed.

**FACTORIES: NUMBER OF FACTORIES AND PERSONS EMPLOYED, BY AVERAGE
NUMBER EMPLOYED, STATES AND TERRITORIES, 1965-66**

Persons employed	N.S.W.	Vic.	Qld	S.A.	W.A.	Tas.	N.T.	A.C.T.	Aust.
NUMBER OF FACTORIES									
Under 4	10,267	5,935	2,043	2,924	2,421	753	74	65	24,482
4	1,956	1,497	547	456	394	137	18	15	5,020
5 to 10	5,504	4,393	1,601	1,180	1,003	434	67	65	14,247
11 to 20	3,028	2,553	815	681	494	229	14	40	7,854
21 to 50	2,160	2,006	576	464	381	145	11	24	5,767
51 to 100	818	807	216	191	123	52	1	3	2,211
101 to 200	428	439	117	90	57	20	..	3	1,154
201 to 300	137	145	51	29	20	9	..	1	392
301 to 400	68	65	13	15	7	1	..	..	169
401 to 500	45	41	13	8	..	4	..	..	111
501 to 750	51	53	10	10	3	1	..	1	129
751 to 1,000	29	18	4	5	1	3	..	..	60
Over 1,000	40	28	4	12	2	4	..	..	90
Total	24,531	17,980	6,010	6,065	4,906	1,792	185	217	61,686

FACTORIES: NUMBER OF FACTORIES AND PERSONS EMPLOYED, BY AVERAGE
NUMBER EMPLOYED, STATES AND TERRITORIES, 1965-66—*continued*

Persons employed	N.S.W.	Vic.	Qld	S.A.	W.A.	Tas.	N.T.	A.C.T.	Aust.
AVERAGE NUMBER EMPLOYED DURING PERIOD WORKED									
Under 4	18,761	11,591	4,194	5,107	4,440	1,447	153	137	45,830
4	7,824	5,988	2,188	1,824	1,576	548	72	60	20,080
5 to 10	38,269	30,627	10,981	8,116	6,919	3,003	453	476	98,844
11 to 20	44,118	37,581	11,791	9,965	7,092	3,341	202	596	114,686
21 to 50	68,010	63,066	18,208	14,959	11,930	4,629	360	721	181,883
51 to 100	57,170	57,050	14,938	13,437	8,525	3,854	69	245	155,288
101 to 200	60,534	62,410	16,689	13,029	7,714	2,911	..	418	163,705
201 to 300	33,235	34,930	12,698	6,999	4,908	2,117	..	241	95,128
301 to 400	24,053	22,816	4,456	5,423	2,414	326	..	..	59,488
401 to 500	19,925	18,146	5,827	3,499	..	1,849	..	..	49,246
501 to 750	30,947	32,160	6,261	6,197	1,543	539	..	626	78,273
751 to 1,000	25,056	14,959	3,532	4,156	812	2,551	..	..	51,066
Over 1,000	94,480	51,009	6,187	26,037	3,721	7,472	..	..	188,906
Total	522,382	442,333	117,950	118,748	61,594	34,587	1,309	3,520	1,302,423
Average per factory	21.29	24.60	19.63	19.58	12.55	19.30	7.08	16.22	21.11

FACTORIES: NUMBER OF FACTORIES AND PERSONS EMPLOYED, BY AVERAGE
NUMBER EMPLOYED, AUSTRALIA^(a), 1961-62 TO 1965-66

Year	Establishments employing on the average—							
	20 and under		21 to 100		101 and upwards		Total	
	Es- tablish- ments	Persons em- ployed	Es- tablish- ments	Persons em- ployed	Es- tablish- ments	Persons em- ployed	Es- tablish- ments	Persons em- ployed
1961-62—								
Number	49,546	261,679	7,111	296,907	1,793	570,580	58,450	1,129,166
Average per establishment	..	5.28	..	41.75	..	318.23	..	19.32
1962-63—								
Number	50,056	265,388	7,218	304,764	1,873	604,981	59,147	1,175,133
Average per establishment	..	5.30	..	42.22	..	323.00	..	19.87
1963-64—								
Number	49,952	266,153	7,477	315,655	1,946	635,712	59,375	1,217,520
Average per establishment	..	5.33	..	42.22	..	326.68	..	20.51
1964-65—								
Number	51,199	273,427	7,784	327,738	2,059	676,554	61,042	1,277,719
Average per establishment	..	5.34	..	42.10	..	328.58	..	20.93
1965-66—								
Number	51,603	279,440	7,978	337,171	2,105	685,812	61,686	1,302,423
Average per establishment	..	5.42	..	42.26	..	325.80	..	21.11

(a) Prior to 1 July 1964 excludes Northern Territory and Australian Capital Territory.

Classes of industry

In the following table factories are classified by industrial classes in the same broad groups.

FACTORIES: NUMBER OF FACTORIES AND PERSONS EMPLOYED, BY AVERAGE NUMBER EMPLOYED AND CLASS OF INDUSTRY, AUSTRALIA, 1965-66

Class of industry	Establishments employing on the average—							
	20 and under		21 to 100		101 and upwards		Total	
	Es- tablish- ments	Persons em- ployed	Es- tablish- ments	Persons em- ployed	Es- tablish- ments	Persons em- ployed	Es- tablish- ments	Persons em- ployed
1. Treatment of non-metal- liferous mine and quarry products	1,390	7,293	178	7,319	43	11,600	1,611	26,212
2. Bricks, pottery, glass, etc.	411	3,193	214	9,766	53	14,334	678	27,293
3. Chemicals, dyes, explos- ives, paints, oils, grease	947	6,075	285	13,578	122	33,713	1,354	53,366
4. Industrial metals, mach- ines, conveyances	23,763	121,946	2,907	121,310	879	361,046	27,549	604,302
5. Precious metals, jewellery, plate	918	3,727	49	1,742	3	471	970	5,940
6. Textiles and textile goods (not dress)	802	5,885	378	16,964	180	52,511	1,360	75,360
7. Skins and leather (not clothing or footwear)	488	3,122	125	5,319	18	3,431	631	11,872
8. Clothing (except knitted)	5,978	30,460	1,103	45,544	190	36,955	7,271	112,959
9. Food, drink and tobacco	5,770	30,463	895	39,659	273	73,939	6,938	144,061
10. Sawmills, joinery, boxes, etc., wood turning and carving	4,745	28,344	599	23,323	58	9,757	5,402	61,424
11. Furniture of wood, bed- ding, etc.	1,908	9,920	270	10,353	22	3,631	2,200	23,904
12. Paper, stationery, printing, bookbinding, etc.	2,199	15,973	628	26,823	144	44,584	2,971	87,380
13. Rubber	623	3,055	57	2,499	31	14,903	711	20,457
14. Musical instruments	63	284	9	365	1	115	73	764
15. Miscellaneous products	1,348	8,394	230	10,311	49	12,710	1,627	31,415
<i>Total, classes 1 to 15</i>	<i>51,353</i>	<i>278,134</i>	<i>7,927</i>	<i>334,875</i>	<i>2,066</i>	<i>673,700</i>	<i>61,346</i>	<i>1,286,709</i>
16. Heat, light and power	250	1,306	51	2,296	39	12,112	340	15,714
Grand total	51,603	279,440	7,978	337,171	2,105	685,812	61,686	1,302,423

Employment in factories**Number employed**

All persons employed in the manufacturing activities of a factory, including proprietors who work in their own business and 'out-workers' (see page 1117), are counted as factory employees, while those employed in selling and distributing, such as salesmen, travellers, collectors, carters employed solely on outward delivery of manufactured goods, and retailing storemen, are excluded. 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, draftsmen 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.

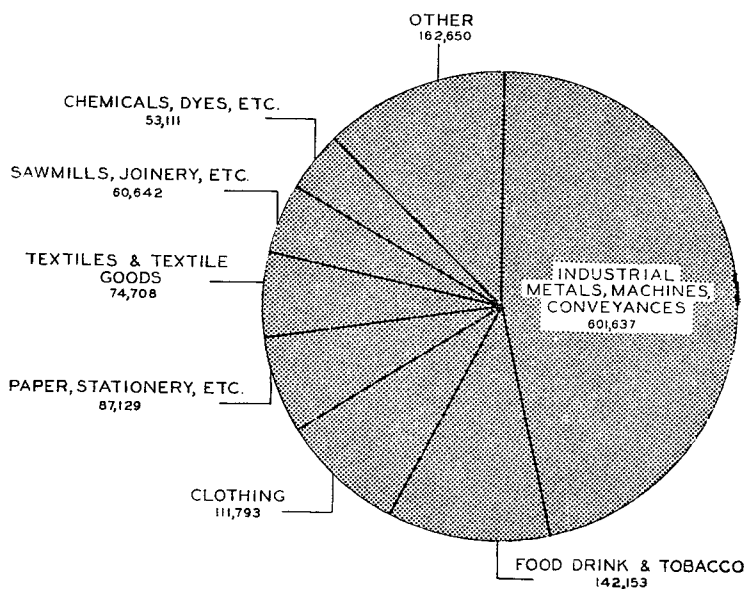
Statistics of factory employment represent the equivalent average number employed over a full year of fifty-two weeks except for the classification of factories according to the number of persons employed (see page 1111), which is based on the average number employed over the period worked.

Particulars of the numbers employed in Australia, the increase in employment, and the rate per cent of such increase are given in the table on page 1115.

FACTORIES: AVERAGE NUMBER OF PERSONS EMPLOYED

BY INDUSTRY

AUSTRALIA, 1965-66



TOTAL: 1,293,823 PERSONS

PLATE 55

FACTORIES: EMPLOYMENT, AUSTRALIA(a), 1961-62 TO 1965-66

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
1961-62.	857,971	-14,661	-1.68	263,299	-9,421	-3.45	1,121,270	-24,082	-2.10
1962-63.	888,721	30,750	3.58	278,832	15,533	5.90	1,167,553	46,283	4.13
1963-64.	918,130	29,409	3.31	291,790	12,958	4.65	1,209,920	42,367	3.63
1964-65.	957,261	39,131	4.26	311,674	19,884	6.81	1,268,935	59,015	4.88
1965-66.	973,411	16,150	1.69	320,412	8,738	2.80	1,293,823	24,888	1.96

(a) Prior to 1 July 1964 excludes Northern Territory and Australian Capital Territory.

Minus sign (-) indicates decrease.

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, 1961-62 TO 1965-66

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)—									
1961-62 . . .	461,087	378,349	101,637	99,094	51,033	30,070	n.a.	n.a.	1,121,270
1962-63 . . .	475,249	397,851	104,998	105,265	53,435	30,755	n.a.	n.a.	1,167,553
1963-64 . . .	487,753	413,120	110,696	110,813	55,705	31,833	n.a.	n.a.	1,209,920
1964-65 . . .	508,979	432,413	116,246	116,183	58,097	32,580	1,210	3,227	1,268,935
1965-66 . . .	519,364	439,149	117,581	118,343	60,282	34,315	1,294	3,495	1,293,823
Percentage of Australian total—									
1961-62 . . .	41.12	33.74	9.06	8.84	4.55	2.68	n.a.	n.a.	100
1962-63 . . .	40.70	34.08	8.99	9.02	4.58	2.63	n.a.	n.a.	100
1963-64 . . .	40.31	34.14	9.15	9.16	4.60	2.63	n.a.	n.a.	100
1964-65 . . .	40.11	34.08	9.16	9.16	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
Per 1,000 of population—									
1961-62 . . .	117	128	66	101	68	85	n.a.	n.a.	106
1962-63 . . .	118	132	68	106	70	86	n.a.	n.a.	108
1963-64 . . .	120	134	70	109	71	88	n.a.	n.a.	110
1964-65 . . .	123	138	72	111	72	89	36	38	113
1965-66 . . .	124	138	71	110	73	93	36	38	113

(a) Prior to 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, 1961-62 TO 1965-66

Year	N.S.W.	Vic.	Qld	S.A.	W.A.	Tas.	N.T.	A.C.T.	Aust.(a)
1961-62 . . .	-2.32	-2.50	-2.70	-0.86	0.72	-0.29	n.a.	n.a.	-2.10
1962-63 . . .	3.07	5.15	3.31	6.23	4.71	2.28	n.a.	n.a.	4.13
1963-64 . . .	2.63	3.84	5.43	5.27	4.25	3.51	n.a.	n.a.	3.63
1964-65 . . .	4.35	4.67	5.01	4.85	4.29	2.35	n.a.	n.a.	4.88
1965-66 . . .	2.04	1.56	1.15	1.86	3.76	5.33	6.94	8.30	1.96

(a) Prior to 1 July 1964 excludes Northern Territory and Australian Capital Territory.

Minus sign (-) indicates decrease.

Persons employed, by class of industry

**FACTORIES: AVERAGE NUMBER OF PERSONS EMPLOYED, BY CLASS OF
INDUSTRY, AUSTRALIA(a), 1961-62 TO 1965-66**

Class of industry	1961-62	1962-63	1963-64	1964-65	1965-66
1. Treatment of non-metalliferous mine and quarry products	23,182	23,913	24,704	25,683	26,011
2. Bricks, pottery, glass, etc.	24,108	25,152	25,656	27,002	27,177
3. Chemicals, dyes, explosives, paints, oils, grease	46,830	47,535	49,023	51,498	53,111
4. Industrial metals, machines, conveyances	497,579	525,312	552,795	588,022	601,637
5. Precious metals, jewellery, plate	5,226	5,308	5,543	5,900	5,926
6. Textiles and textile goods (not dress)	67,949	72,022	73,076	75,281	74,708
7. Skins and leather (not clothing or footwear)	11,955	12,264	12,209	12,026	11,807
8. Clothing (except knitted)	104,655	107,932	108,909	110,613	111,793
9. Food, drink and tobacco	128,590	131,301	134,487	138,768	142,153
10. Sawmills, joinery, boxes, etc., wood turning and carving	57,279	57,114	57,650	59,815	60,642
11. Furniture of wood, bedding, etc.	21,374	21,815	22,545	23,251	23,740
12. Paper, stationery, printing, bookbinding, etc.	73,839	76,263	79,250	83,692	87,129
13. Rubber	17,174	18,916	20,261	20,813	20,416
14. Musical instruments	733	749	779	785	764
15. Miscellaneous products	24,682	26,124	27,422	30,057	31,154
<i>Total, classes 1 to 15</i>	<i>1,105,155</i>	<i>1,151,720</i>	<i>1,194,309</i>	<i>1,253,206</i>	<i>1,278,168</i>
16. Heat, light and power	16,115	15,833	15,611	15,729	15,655
Grand total	1,121,270	1,167,553	1,209,920	1,268,935	1,293,823

(a) Prior to 1 July 1964 excludes Northern Territory and Australian Capital Territory.

**FACTORIES: AVERAGE NUMBER OF PERSONS EMPLOYED, BY CLASS OF
INDUSTRY, STATES AND TERRITORIES, 1965-66**

Class of industry(a)	N.S.W.	Vic.	Qld	S.A.	W.A.	Tas.	N.T.	A.C.T.	Aust.
1. Treatment non-metal. mine, etc. products	10,214	7,689	2,702	2,321	1,949	824	69	243	26,011
2. Bricks, etc.	13,125	7,710	1,910	2,277	1,592	369	23	171	27,177
3. Chemicals, etc.	26,011	17,648	2,185	3,296	2,923	1,021	20	7	53,111
4. Industrial metals, machines, etc.	259,500	186,000	45,491	69,592	27,722	11,463	771	1,098	601,637
5. Jewellery, etc.	2,353	2,180	345	549	252	46	..	201	5,926
6. Textiles, etc.	21,547	43,343	2,221	2,807	857	3,933	..	..	74,708
7. Skins, leather, etc.	5,140	3,830	1,189	1,015	585	48	..	..	11,807
8. Clothing, etc.	45,917	48,432	8,039	5,397	3,063	746	20	179	111,793
9. Food, drink, etc.	43,490	43,583	28,871	12,324	8,163	5,358	157	207	142,153
10. Sawmills, etc.	19,638	15,219	9,539	5,934	5,732	4,200	93	287	60,642
11. Furniture, etc.	9,479	6,724	3,075	2,301	1,552	536	12	61	23,740
12. Paper, stationery, etc.	35,417	29,634	7,144	5,452	3,371	5,059	38	1,014	87,129
13. Rubber	7,950	8,230	1,967	1,515	557	144	26	27	20,416
14. Musical instruments	484	199	28	30	23	..	..	..	764
15. Miscellaneous	14,069	13,516	917	1,769	732	151	..	..	31,154
<i>Total, classes 1 to 15</i>	<i>514,334</i>	<i>433,937</i>	<i>115,623</i>	<i>116,579</i>	<i>59,073</i>	<i>33,898</i>	<i>1,229</i>	<i>3,495</i>	<i>1,278,168</i>
16. Heat, light and power	5,030	5,212	1,958	1,764	1,209	417	65	..	15,655
Grand total	519,364	439,149	117,581	118,343	60,282	34,315	1,294	3,495	1,293,823

(a) For full titles see table above.

Persons employed, by occupational grouping

FACTORIES: AVERAGE NUMBER OF PERSONS EMPLOYED, BY OCCUPATIONAL GROUPING, STATES AND TERRITORIES, 1965-66

State or Territory.	Average number of persons employed				Total
	Working proprietors	Managerial and clerical staff, etc.(a)	Chemists, draftsmen, etc.	Foremen and overseers, workers in factory and others(b)	
New South Wales	14,243	73,729	10,803	420,589	519,364
Victoria	12,586	60,273	9,515	356,775	439,149
Queensland	4,757	14,066	1,582	97,176	117,581
South Australia	3,974	15,531	2,331	96,507	118,343
Western Australia	3,203	6,451	773	49,855	60,282
Tasmania	1,038	3,939	558	28,680	34,315
Northern Territory	93	201	1	999	1,294
Australian Capital Territory	135	618	29	2,713	3,495
<i>Total males</i>	<i>33,621</i>	<i>107,711</i>	<i>23,081</i>	<i>808,998</i>	<i>973,411</i>
<i>Total females</i>	<i>6,408</i>	<i>67,097</i>	<i>2,611</i>	<i>244,296</i>	<i>320,412</i>
Total persons	40,029	174,808	25,692	1,053,294	1,293,823

(a) Includes salaried managers and working directors home.

(b) Includes persons working regularly at home.

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

Monthly employment

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

FACTORIES: MONTHLY EMPLOYMENT, BY SEX, AUSTRALIA(a), 1961-62 TO 1965-66
(EXCLUDING WORKING PROPRIETORS)

Month	1961-62	1962-63	1963-64	1964-65	1965-66
MALES					
July	809,905	843,123	867,166	911,211	940,995
August	811,299	845,760	869,030	912,301	940,562
September	806,999	847,798	872,381	914,016	939,023
October	816,821	849,866	875,318	915,883	935,842
November	820,987	852,304	879,265	918,029	938,019
December	817,113	847,041	875,159	917,952	931,923
January	822,723	852,999	884,788	922,676	935,635
February	831,156	859,665	893,400	930,968	942,486
March	835,457	862,890	894,393	934,409	944,702
April	832,975	861,180	897,783	934,496	941,325
May	837,562	861,254	898,809	933,759	941,860
June	839,752	863,142	901,507	933,803	940,563

(a) Prior to 1 July 1964 excludes Northern Territory and Australian Capital Territory.

MANUFACTURING INDUSTRY

**FACTORIES: MONTHLY EMPLOYMENT
BY SEX, AUSTRALIA(a), 1961-62 TO 1965-66—continued**

Month	1961-62	1962-63	1963-64	1964-65	1965-66
FEMALES					
July	243,925	266,207	274,312	295,743	310,759
August	245,968	267,761	277,063	297,752	311,629
September	248,775	270,536	279,713	301,106	313,559
October	253,573	272,789	283,778	304,287	314,539
November	256,349	273,845	285,296	305,939	315,070
December	255,869	270,355	282,296	301,987	310,424
January	257,832	270,810	283,279	302,729	310,051
February	264,011	276,901	291,966	310,989	317,691
March	267,065	280,285	293,424	315,493	319,760
April	261,611	274,379	290,823	311,114	314,458
May	264,132	273,326	290,301	309,466	313,345
June	264,473	272,074	290,833	308,585	312,896
PERSONS					
July	1,053,830	1,109,330	1,141,478	1,206,954	1,251,754
August	1,057,267	1,113,521	1,146,093	1,210,053	1,252,191
September	1,055,774	1,118,334	1,152,094	1,215,122	1,252,582
October	1,070,394	1,122,655	1,159,096	1,220,170	1,250,381
November	1,077,336	1,126,149	1,164,561	1,223,968	1,253,089
December	1,072,982	1,117,396	1,157,455	1,219,939	1,242,347
January	1,080,555	1,123,809	1,168,067	1,225,405	1,245,686
February	1,095,167	1,136,566	1,185,366	1,241,957	1,260,177
March	1,102,522	1,143,175	1,187,817	1,249,902	1,264,462
April	1,094,586	1,135,559	1,188,606	1,245,610	1,255,783
May	1,101,694	1,134,580	1,189,110	1,243,225	1,255,205
June	1,104,225	1,135,216	1,192,340	1,242,388	1,253,459

(a) Prior to 1 July 1964 excludes Northern Territory and Australian Capital Territory.

**FACTORIES: MONTHLY EMPLOYMENT, BY SEX, STATES AND TERRITORIES
1965-66**

(EXCLUDING WORKING PROPRIETORS)

Month	N.S.W.	Vic.	Qld	S.A.	W.A.	Tas.	N.T.	A.C.T.	Aust.
MALES									
July	374,347	300,012	95,347	93,250	47,901	26,397	1,091	2,650	940,995
August	373,952	300,217	95,105	93,178	48,034	26,332	1,084	2,660	940,562
September	374,256	299,513	94,271	93,021	47,693	26,463	1,086	2,720	939,023
October	374,029	298,439	93,263	92,132	47,627	26,559	1,079	2,714	935,842
November	375,773	298,992	92,566	91,984	47,853	27,029	1,062	2,760	938,019
December	374,617	298,220	87,685	92,003	48,168	27,452	1,041	2,737	931,923
January	375,595	299,882	87,542	92,626	48,470	27,676	1,045	2,799	935,635
February	377,288	301,388	90,762	92,879	48,777	27,463	1,083	2,846	942,486
March	377,439	302,112	91,317	93,414	49,090	27,353	1,116	2,861	944,702
April	376,103	300,812	91,501	92,683	48,984	27,295	1,136	2,811	941,325
May	375,855	300,408	93,122	92,320	48,857	27,333	1,123	2,842	941,860
June	375,120	299,376	94,043	92,052	48,824	27,143	1,159	2,846	940,563

**FACTORIES: MONTHLY EMPLOYMENT, BY SEX
STATES AND TERRITORIES, 1965-66—continued**

Month	N.S.W.	Vic.	Qld	S.A.	W.A.	Tas.	N.T.	A.C.T.	Aust.
FEMALES									
July . . .	129,662	124,566	20,634	21,294	7,981	5,956	101	565	310,759
August . . .	130,130	124,765	20,867	21,317	8,045	5,840	100	565	311,629
September . . .	131,194	125,190	21,132	21,438	8,146	5,791	100	568	313,559
October . . .	131,643	125,860	20,800	21,404	8,410	5,752	100	570	314,539
November . . .	132,008	125,861	20,687	21,442	8,472	5,929	98	573	315,070
December . . .	129,041	124,608	19,818	21,687	8,571	6,032	96	571	310,424
January . . .	128,395	125,169	19,618	21,680	8,396	6,110	98	585	310,051
February . . .	130,544	128,744	20,498	22,340	8,688	6,183	99	595	317,691
March . . .	130,884	129,234	20,647	22,452	9,106	6,743	101	593	319,760
April . . .	129,625	126,559	20,250	21,356	9,196	6,785	102	585	314,458
May . . .	129,330	125,800	20,715	21,211	8,938	6,665	102	584	313,345
June . . .	129,291	125,492	20,962	21,106	8,826	6,547	104	568	312,896

PERSONS

July . . .	504,009	424,578	115,981	114,544	55,882	32,353	1,192	3,215	1,251,754
August . . .	504,082	424,982	115,972	114,495	56,079	32,172	1,184	3,225	1,252,191
September . . .	505,450	424,703	115,403	114,459	55,839	32,254	1,186	3,288	1,252,582
October . . .	505,672	424,299	114,063	113,536	56,037	32,311	1,179	3,284	1,250,381
November . . .	507,781	424,853	113,253	113,426	56,325	32,958	1,160	3,333	1,253,089
December . . .	503,658	422,828	107,503	113,690	56,739	33,484	1,137	3,308	1,242,347
January . . .	503,990	425,051	107,160	114,306	56,866	33,786	1,143	3,384	1,245,686
February . . .	507,832	430,132	111,260	115,219	57,465	33,646	1,182	3,441	1,260,177
March . . .	508,323	431,346	111,964	115,866	58,196	34,096	1,217	3,454	1,264,462
April . . .	505,728	427,371	111,751	114,039	58,180	34,080	1,238	3,396	1,255,783
May . . .	505,185	426,208	113,837	113,531	57,795	33,998	1,225	3,426	1,255,205
June . . .	504,411	424,868	115,005	113,158	57,650	33,690	1,263	3,414	1,253,459

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 1962 TO JUNE 1966**

(EXCLUDING WORKING PROPRIETORS)

June—	Males			Females			Persons		
	Under 16 years	16 to 20 years	21 years and over	Under 16 years	16 to 20 years	21 years and over	Under 16 years	16 to 20 years	21 years and over
1962 . . .	9,176	86,548	744,028	8,764	48,847	206,862	17,940	135,395	950,890
1963 . . .	8,736	92,211	762,195	7,852	51,803	212,419	16,588	144,014	974,614
1964 . . .	8,632	100,164	792,711	7,130	55,533	228,170	15,762	155,697	1,020,881
1965 . . .	7,614	104,477	821,711	5,920	57,226	245,437	13,534	161,703	1,067,148
1966 . . .	6,690	105,902	827,971	5,364	56,104	251,428	12,054	162,006	1,079,399

(a) Prior to 1 July 1964 excludes Northern Territory and Australian Capital Territory.

Distribution of sexes in factories

Average number of males and females employed

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

**FACTORIES: MALES AND FEMALES EMPLOYED
STATES AND TERRITORIES, 1961-62 TO 1965-66**

State or Territory	1961-62	1962-63	1963-64	1964-65	1965-66
MALES					
New South Wales	349,154	358,116	366,250	379,672	387,181
Victoria	273,949	285,709	295,440	307,006	310,303
Queensland	84,130	86,536	91,123	95,328	96,150
South Australia	81,803	86,655	90,933	94,690	96,194
Western Australia . . .	44,193	46,252	48,163	50,065	51,464
Tasmania	24,742	25,453	26,221	26,768	28,041
Northern Territory . . .	n.a.	n.a.	n.a.	1,098	1,182
Australian Capital Territory	n.a.	n.a.	n.a.	2,634	2,896
Australia(a)	857,971	888,721	918,130	957,261	973,411
FEMALES					
New South Wales	111,933	117,133	121,503	129,367	132,183
Victoria	104,400	112,142	117,680	125,407	128,846
Queensland	17,507	18,462	19,573	20,918	21,431
South Australia	17,291	18,610	19,880	21,493	22,149
Western Australia . . .	6,840	7,183	7,542	8,032	8,818
Tasmania	5,328	5,302	5,612	5,812	6,274
Northern Territory . . .	n.a.	n.a.	n.a.	112	112
Australian Capital Territory	n.a.	n.a.	n.a.	593	599
Australia(a)	263,299	278,832	291,790	311,674	320,412

(a) Prior to 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, 1961-62 TO 1965-66**

State or Territory	1961-62	1962-63	1963-64	1964-65	1965-66
MALES					
New South Wales	-1.76	2.57	2.27	3.66	1.98
Victoria	-2.23	4.28	3.41	3.91	1.07
Queensland	-2.73	2.86	5.30	4.61	0.86
South Australia	-0.12	5.93	4.94	4.13	1.59
Western Australia . . .	0.81	4.66	4.13	3.95	2.79
Tasmania	-0.28	2.87	3.02	2.09	4.76
Northern Territory . . .	n.a.	n.a.	n.a.	n.a.	7.65
Australian Capital Territory	n.a.	n.a.	n.a.	n.a.	9.95
Australia(a)	-1.68	3.58	3.31	4.26	1.69
FEMALES					
New South Wales	-4.06	4.65	3.73	6.42	2.22
Victoria	-3.19	7.42	4.94	6.57	2.74
Queensland	-2.66	5.45	6.02	6.87	2.45
South Australia	-4.24	7.63	6.82	8.11	3.05
Western Australia . . .	0.15	5.01	5.00	6.50	9.79
Tasmania	-0.36	-0.49	5.85	3.56	7.95
Northern Territory . . .	n.a.	n.a.	n.a.	n.a.	..
Australian Capital Territory	n.a.	n.a.	n.a.	n.a.	1.01
Australia(a)	-3.45	5.90	4.65	6.81	2.80

(a) Prior to 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, 1961-62 TO 1965-66**

Year	N.S.W.	Vic.	Qld	S.A.	W.A.	Tas.	N.T.	A.C.T.	Aust.(b)
1961-62	312	262	481	473	646	464	n.a.	n.a.	326
1962-63	306	255	469	466	644	480	n.a.	n.a.	319
1963-64	301	251	466	457	639	467	n.a.	n.a.	315
1964-65	294	245	456	441	623	461	980	444	307
1965-66	293	241	449	434	584	447	1,055	483	304

(a) Number of males per 100 females. (b) Prior to 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 1965-66 these industries accounted for 77.52 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 141 females to every 100 males, and in Class 8., Clothing, with 287 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, 1965-66**

Class of industry	N.S.W.	Vic.	Qld	S.A.	W.A.	Tas.	N.T.	A.C.T.	Aust.
Males—									
Industrial metals, etc.	222,535	158,683	41,849	61,244	26,099	10,766	719	1,001	522,896
Textiles and textile goods (not dress)	9,076	17,543	908	1,294	399	1,787	..	..	31,007
Clothing (except knitted)	10,829	13,112	1,950	1,804	825	304	10	67	28,901
Food, drink and tobacco	29,111	28,551	23,348	8,149	6,006	3,664	133	154	99,116
All other classes	115,630	92,414	28,095	23,703	18,135	11,520	320	1,674	291,491
<i>Total males</i>	<i>387,181</i>	<i>310,303</i>	<i>96,150</i>	<i>96,194</i>	<i>51,464</i>	<i>28,041</i>	<i>1,182</i>	<i>2,896</i>	<i>973,411</i>
Females—									
Industrial metals, etc.	36,965	27,317	3,642	8,348	1,623	697	52	97	78,741
Textiles and textile goods (not dress)	12,471	25,800	1,313	1,513	458	2,146	..	..	43,701
Clothing (except knitted)	35,088	35,320	6,089	3,593	2,238	442	10	112	82,892
Food, drink and tobacco	14,379	15,032	5,523	4,175	2,157	1,694	24	53	43,037
All other classes	33,280	25,377	4,864	4,520	2,342	1,295	26	337	72,041
<i>Total females</i>	<i>132,183</i>	<i>128,846</i>	<i>21,431</i>	<i>22,149</i>	<i>8,818</i>	<i>6,274</i>	<i>112</i>	<i>599</i>	<i>320,412</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 1964 to 1966.

**FACTORIES: CHILDREN(a) EMPLOYED
STATES AND TERRITORIES, JUNE 1964 TO JUNE 1966**

State or Territory	June 1964			June 1965			June 1966		
	Males	Females	Persons	Males	Females	Persons	Males	Females	Persons
New South Wales .	2,854	2,215	5,069	2,435	1,829	4,264	2,212	1,748	3,960
Victoria .	2,072	2,207	4,279	1,690	1,614	3,304	1,525	1,488	3,013
Queensland .	1,987	1,494	3,481	1,835	1,413	3,248	1,369	1,132	2,501
South Australia .	677	721	1,398	528	539	1,067	471	471	942
Western Australia .	919	397	1,316	962	409	1,371	944	430	1,374
Tasmania .	123	96	219	121	107	228	126	87	213
Northern Territory .	n.a.	n.a.	n.a.	10	..	10	3	..	3
Aust. Capital Territory .	n.a.	n.a.	n.a.	33	9	42	40	8	48
Australia(b)	8,632	7,130	15,762	7,614	5,920	13,534	6,690	5,364	12,054

(a) Under sixteen years of age. (b) Prior to 1 July 1964 excludes Northern Territory and Australian Capital Territory.

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 1966**

Class of industry	Children employed (a)		Total employees (b)		Proportion (per cent) of children employed to total employees (b)	
	Males	Females	Males	Females	Males	Females
Industrial metals, machines, conveyances .	3,245	548	507,907	78,294	0.64	0.70
Textiles and textile goods (not dress) .	210	654	30,379	41,966	0.69	1.56
Clothing (except knitted) .	304	2,589	24,222	80,718	1.26	3.21
Food, drink and tobacco .	870	581	95,414	41,283	0.91	1.41
Sawmills, joinery, boxes, etc. .	649	84	53,131	4,098	1.22	2.05
Furniture of wood, bedding, etc. .	280	87	16,519	5,177	1.70	1.68
Paper, stationery, printing, bookbinding etc. .	574	459	62,661	23,738	0.92	1.93
All other industries .	558	362	150,330	37,622	0.37	0.96
Total .	6,690	5,364	940,563	312,896	0.71	1.71

(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 the 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 horse-power of engines in factories other than central electric stations

The following table shows the total number of factories and the total rated horsepower of engines and electric motors ordinarily in use and in reserve or idle during 1965-66.

FACTORIES(a): TOTAL RATED HORSEPOWER OF ENGINES AND ELECTRIC MOTORS, STATES AND TERRITORIES, 1965-66

State or Territory	Factories(a)	Rated horsepower of engines and motors	
		Ordinarily in use(b)	In reserve or idle (omitting obsolete)
New South Wales	24,482	3,155,277	438,596
Victoria	17,958	1,993,293	260,944
Queensland	5,962	798,747	108,749
South Australia	6,035	728,025	62,317
Western Australia	4,821	371,888	53,336
Tasmania	1,778	330,030	49,419
Northern Territory	180	6,290	773
Australian Capital Territory	217	12,838	1,891
Australia	61,433	7,396,388	976,025

(a) Includes gas works but excludes central electric stations, details of which are shown on pp. 1124-5. (b) Excludes motors driven by electricity generated in factories not classified as central electric stations.

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

Particulars of the types and the total rated horsepower of engines, etc., ordinarily in use in factories are given in the two following tables.

FACTORIES(a): TOTAL RATED HORSEPOWER OF ENGINES AND ELECTRIC MOTORS ORDINARILY IN USE, BY TYPE, STATES AND TERRITORIES, 1965-66

State or Territory	Steam		Internal combustion (all types)	Water	Motors driven by electricity		Total (b)(c)
	Reciprocating	Turbine			Purchased	Own generation (d)	
New South Wales	50,835	259,105	64,198	10	2,781,129	135,248	3,155,277
Victoria	16,294	95,919	55,283	890	1,824,907	68,823	1,993,293
Queensland	48,213	190,435	27,112	..	532,987	175,270	798,747
South Australia	3,530	56,534	11,262	..	656,699	32,019	728,025
Western Australia	8,230	13,599	32,843	..	317,216	7,941	371,888
Tasmania	658	..	10,184	1	319,187	689	330,030
Northern Territory . . . . .	..	..	188	..	6,102	..	6,290
Australian Capital Territory	15	30	125	..	12,668	..	12,838
Australia	127,775	615,622	201,195	901	6,450,895	419,990	7,396,388

(a) Includes gas works but excludes central electric stations, details of which are shown on pp. 1124-5.

(b) Excludes motors driven by electricity generated in factories not classified as central electric stations.

(c) Excludes particulars in column (d).

FACTORIES(a): TOTAL RATED HORSEPOWER OF ENGINES AND ELECTRIC MOTORS ORDINARILY IN USE, BY TYPE, AUSTRALIA(b) 1961-62 TO 1965-66

Year	Steam		Internal combustion (all types)	Water	Motors driven by electricity		Total (c)(d)
	Reciprocating	Turbine			Purchased	Own generation (e)	
1961-62.	169,287	359,631	189,649	1,092	5,025,141	308,740	5,744,800
1962-63.	165,312	397,213	193,309	900	5,376,452	322,828	6,133,186
1963-64.	154,628	439,121	198,597	840	5,733,810	335,580	6,526,996
1964-65.	147,417	477,268	194,458	891	6,090,766	362,719	6,910,800
1965-66.	127,775	615,622	201,195	901	6,450,895	419,990	7,396,388

(a) Includes gas works but excludes central electric stations, details of which are shown on pp. 1124-5.

(b) Prior to 1 July 1964 excludes Northern Territory and Australian Capital Territory. (c) Excludes motors driven by electricity generated in factories not classified as central electric stations. (d) Excludes particulars in column (e).

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

The next table shows the total rated horsepower of engines and electric motors ordinarily in use in the various classes of industry in each State and Territory.

FACTORIES(a): TOTAL RATED HORSEPOWER OF ENGINES AND ELECTRIC MOTORS ORDINARILY IN USE(b), BY CLASS OF INDUSTRY, STATES AND TERRITORIES, 1965-66

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 . . .	127,680	114,327	38,880	47,565	29,047	21,441	308	469	379,717
2. Bricks, etc.	80,360	57,480	14,815	19,886	15,401	4,143	63	1,809	193,957
3. Chemicals, etc.	355,531	222,887	56,625	42,113	58,514	20,015	1,176	97	756,958
4. Industrial metals, machines, etc.	1,707,093	702,892	148,997	391,957	107,044	66,355	1,713	1,258	3,127,309
5. Jewellery, etc.	4,751	4,079	656	1,183	651	101	..	4,195	15,616
6. Textiles, etc.	68,968	128,093	9,241	9,119	3,622	11,350	..	..	230,393
7. Skins, leather, etc.	19,367	16,828	7,040	5,329	3,526	506	..	..	52,596
8. Clothing, etc.	29,854	33,996	5,643	5,389	2,881	898	30	206	78,897
9. Food, drink, etc.	261,834	260,709	336,893	74,958	56,748	32,491	1,953	560	1,026,146
10. Sawmills, etc.	201,318	133,134	123,206	60,006	61,384	58,026	773	2,803	640,650
11. Furniture, etc.	23,774	16,584	9,392	7,498	4,687	1,579	53	119	63,686
12. Paper, stationery, etc.	127,548	138,864	29,274	31,643	19,953	111,966	76	1,165	460,489
13. Rubber	75,070	84,855	12,473	19,213	5,010	552	145	157	197,475
14. Musical instruments	1,577	279	51	15	11	..	..	..	1,933
15. Miscellaneous	51,033	51,288	2,293	4,331	2,013	481	..	..	111,439
<i>Total, classes 1 to 15</i>	<i>3,135,758</i>	<i>1,966,295</i>	<i>795,479</i>	<i>720,205</i>	<i>370,492</i>	<i>329,904</i>	<i>6,290</i>	<i>12,838</i>	<i>7,337,261</i>
16. Gas works	19,519	26,998	3,268	7,820	1,396	126	..	..	59,127
Grand total	3,155,277	1,993,293	798,747	728,025	371,888	330,030	6,290	12,838	7,396,388

(a) Excludes central electric stations, details of which are shown below.
 electricity generated in factories not classified as central electric stations.
 page 1127.

(b) Excludes motors driven by
 (c) For full titles see table on

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

Particulars of the type and the capacity of engines and generators installed in central electric stations are given in the two following tables.

**CENTRAL ELECTRIC STATIONS: POWER EQUIPMENT, BY TYPE
 AUSTRALIA, 1965-66**

Equipment		Capacity of engines and generators				
		Steam		Internal combustion (all types)	Water	Total
		Reciprocating	Turbine			
Engines installed	rated hp	800	9,218,870	364,747	3,282,931	12,867,348
Generators installed—						
Kilowatt capacity—						
Total installed	kW	560	6,770,852	247,888	2,376,585	9,395,885
Effective capacity . . . . .	..	500	6,617,115	228,185	2,344,985	9,190,785
Horsepower equivalent—						
Total installed	hp	751	9,076,192	332,289	3,185,765	12,594,996
Effective capacity . . . . .	..	670	8,870,110	305,877	3,143,405	12,320,063

**CENTRAL ELECTRIC STATIONS: NUMBER AND POWER EQUIPMENT
STATES AND TERRITORIES, 1965-66**

Equipment		N.S.W.	Vic.	Qld	S.A.	W.A.	Tas.	N.T.	A.C.T.	Aust.
Central electric stations	No.	49	22	48	30	85	14	5	..	253
Engines installed	rated hp	5,732,197	2,903,307	1,483,530	924,814	632,030	1,150,874	40,596	..	12,867,348
Generators installed—										
Kilowatt capacity—										
Total installed	kW	4,229,780	2,081,834	1,086,180	688,340	460,972	819,176	29,603	..	9,395,885
Effective capacity	..	4,194,183	1,973,961	1,026,229	694,702	455,817	816,290	29,603	..	9,190,785
Horsepower equivalent—										
Total installed	hp	5,669,935	2,790,657	1,456,003	922,706	617,924	1,098,089	39,682	..	12,594,996
Effective capacity	..	5,622,218	2,646,055	1,375,639	931,234	611,014	1,094,220	39,682	..	12,320,063

Value of production, materials used, salaries and wages

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 1965-66 was \$14,719 million, of which \$7,957 million was the value of the materials used, including containers, etc., tools replaced, and repairs to plant and buildings, and \$487 million the value of the power, fuel, light, water, and lubricating oil used. The difference between the sum of the last two amounts and the gross value of output, namely, \$6,275 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 p. 1130*). 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. The amounts of salaries and wages paid in the various classes of industry in each State and Territory are shown in the following table.

**FACTORIES: SALARIES AND WAGES PAID, BY CLASS OF INDUSTRY
STATES AND TERRITORIES, 1965-66
(\$'000)**

Class of industry(a)	N.S.W.	Vic.	Qld	S.A.	W.A.	Tas.	N.T.	A.C.T.	Aust.
1. Treatment non-metal. mine, etc. products	29,857	22,129	7,424	6,132	4,846	2,169	201	874	73,632
2. Bricks, etc.	34,824	20,803	4,948	5,956	3,919	908	69	523	71,949
3. Chemicals	73,880	52,476	5,936	9,296	8,398	3,252	108	20	153,366
4. Industrial metals, machines, etc.	695,862	492,078	105,892	175,123	63,536	29,877	2,288	2,904	1,567,561
5. Jewellery, etc.	4,748	4,891	636	907	368	74	..	720	12,345
6. Textiles, etc.	44,679	89,860	3,848	5,597	1,561	7,542	..	..	153,087
7. Skins, leather, etc.	11,302	8,443	2,662	2,459	1,286	112	..	..	26,263
8. Clothing, etc.	75,274	84,886	10,743	7,975	3,826	1,115	19	304	184,142
9. Food, drink	102,175	102,107	72,218	26,246	17,447	11,653	461	488	332,796
10. Sawmills, etc.	45,046	35,335	19,241	12,300	12,492	9,363	231	830	134,840
11. Furniture, etc.	21,025	14,092	6,064	4,148	2,829	949	35	127	49,269
12. Paper, stationery, etc.	94,721	77,755	16,948	13,335	7,619	14,055	116	2,998	227,546
13. Rubber	21,512	22,243	4,100	4,419	1,188	311	88	78	53,938
14. Musical instruments	1,154	492	42	45	45	..	..	..	1,778
15. Miscellaneous	32,740	32,462	1,736	3,557	1,286	275	..	..	72,055
<i>Total, classes 1 to 15</i>	<i>1,288,799</i>	<i>1,060,054</i>	<i>262,437</i>	<i>277,494</i>	<i>130,643</i>	<i>81,655</i>	<i>3,616</i>	<i>9,866</i>	<i>3,114,565</i>
16. Heat, light and power	14,881	17,179	5,609	5,457	3,528	1,307	242	..	48,204
Grand total	1,303,680	1,077,234	268,046	282,951	134,171	82,963	3,859	9,866	3,162,769

(a) For full titles see table on page 1127.

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, a large number of hands are employed in Class 8., Clothing, comprising a relatively high percentage of women and children.

**FACTORIES: TOTAL AND AVERAGE SALARIES AND WAGES PAID, STATES
AND TERRITORIES, 1961-62 TO 1965-66**

Year	N.S.W.	Vic.	Qld	S.A.	W.A.	Tas.	N.T.	A.C.T.	Aust.(a)
MALES									
Total amount paid (\$'000)—									
1961-62 . . .	823,670	631,283	167,525	178,771	85,405	54,496	n.a.	n.a.	1,941,150
1962-63 . . .	864,505	685,576	175,486	197,821	91,917	57,835	n.a.	n.a.	2,073,141
1963-64 . . .	927,806	747,177	196,484	215,127	99,978	63,007	n.a.	n.a.	2,249,580
1964-65 . . .	1,034,044	840,704	226,329	245,565	110,368	68,183	3,298	7,854	2,536,347
1965-66 . . .	1,092,517	877,256	239,885	252,260	123,022	73,932	3,666	8,819	2,671,358
Average per male employee (\$)—									
1961-62 . . .	2,445	2,397	2,093	2,281	2,053	2,293	n.a.	n.a.	2,356
1962-63 . . .	2,499	2,491	2,127	2,377	2,109	2,367	n.a.	n.a.	2,425
1963-64 . . .	2,618	2,621	2,254	2,457	2,201	2,491	n.a.	n.a.	2,542
1964-65 . . .	2,812	2,833	2,476	2,689	2,337	2,644	3,242	3,091	2,746
1965-66 . . .	2,913	2,921	2,600	2,720	2,538	2,730	3,333	3,172	2,843
FEMALES									
Total amount paid (\$'000)—									
1961-62 . . .	152,469	139,095	19,165	20,291	7,435	6,944	n.a.	n.a.	345,399
1962-63 . . .	162,712	153,285	20,345	22,246	7,964	7,002	n.a.	n.a.	373,553
1963-64 . . .	173,214	165,247	22,278	25,188	8,537	7,575	n.a.	n.a.	402,040
1964-65 . . .	195,912	187,788	26,029	28,659	9,609	8,332	185	848	457,362
1965-66 . . .	211,163	199,977	28,160	30,691	11,149	9,030	192	1,047	491,411
Average per female employee (\$)—									
1961-62 . . .	1,387	1,361	1,140	1,220	1,123	1,313	n.a.	n.a.	1,342
1962-63 . . .	1,413	1,395	1,145	1,241	1,141	1,336	n.a.	n.a.	1,369
1963-64 . . .	1,448	1,432	1,182	1,312	1,163	1,367	n.a.	n.a.	1,406
1964-65 . . .	1,537	1,526	1,290	1,372	1,228	1,454	1,799	1,469	1,496
1965-66 . . .	1,623	1,584	1,369	1,420	1,295	1,457	1,904	1,806	1,565
PERSONS									
Total amount paid (\$'000)—									
1961-62 . . .	976,139	770,379	186,690	199,062	92,840	61,440	n.a.	n.a.	2,286,550
1962-63 . . .	1,027,216	838,862	195,831	220,067	99,880	64,837	n.a.	n.a.	2,446,694
1963-64 . . .	1,101,021	912,424	218,762	240,315	108,515	70,582	n.a.	n.a.	2,651,620
1964-65 . . .	1,229,957	1,028,492	252,358	274,225	119,978	76,515	3,483	8,702	2,993,709
1965-66 . . .	1,303,680	1,077,234	268,046	282,951	134,171	82,963	3,859	9,866	3,162,769
Average per employee (\$)—									
1961-62 . . .	2,185	2,108	1,928	2,095	1,925	2,115	n.a.	n.a.	2,114
1962-63 . . .	2,228	2,179	1,953	2,175	1,976	2,185	n.a.	n.a.	2,170
1963-64 . . .	2,323	2,278	2,064	2,251	2,057	2,290	n.a.	n.a.	2,265
1964-65 . . .	2,484	2,450	2,262	2,444	2,180	2,427	3,110	2,791	2,435
1965-66 . . .	2,581	2,525	2,376	2,474	2,351	2,493	3,213	2,936	2,523

(a) Prior to 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, draftsmen 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, 1965-66

Class of industry	Managers, clerical staff, chemists, draftsmen, etc.		All other employees	
	Males	Females	Males	Females
	\$'000	\$'000	\$'000	\$'000
1. Treatment of non-metalliferous mine and quarry products	11,925	2,007	59,361	339
2. Bricks, pottery, glass, etc.	7,810	1,845	59,585	2,709
3. Chemicals, dyes, explosives, paints, oils, grease	40,251	8,825	93,155	11,135
4. Industrial metals, machines, conveyances	269,877	52,958	1,168,720	76,006
5. Precious metals, jewellery, plate	1,836	546	8,771	1,192
6. Textiles and textile goods (not dress)	17,006	6,601	68,742	60,737
7. Skins and leather (not clothing or footwear)	3,190	776	17,234	5,063
8. Clothing (except knitted)	14,912	8,054	49,209	111,967
9. Food, drink and tobacco	51,222	15,623	216,493	49,457
10. Sawmills, joinery, boxes, etc., wood turning and carving	16,943	3,659	112,000	2,236
11. Furniture of wood, bedding, etc.	5,854	2,269	35,385	5,761
12. Paper, stationery, printing, bookbinding, etc.	34,655	10,591	156,974	25,326
13. Rubber	8,669	1,907	38,406	4,957
14. Musical instruments	230	57	1,232	259
15. Miscellaneous products	12,680	4,052	41,089	14,236
<i>Total, classes 1 to 15</i>	<i>497,059</i>	<i>119,770</i>	<i>2,126,355</i>	<i>371,380</i>
16. Heat, light and power	6,095	209	41,848	52
Grand total	503,154	119,980	2,168,204	371,432
Average paid per employee	\$ 3,846	\$ 1,721	\$ 2,680	\$ 1,520

Power, fuel and light used

By class of industry. The expenditure by factories on power, fuel and light, including the value of lubricants and water, is shown in the following table for each State and Territory.

**FACTORIES: VALUE OF POWER, FUEL AND LIGHT USED(a)
BY CLASS OF INDUSTRY, STATES AND TERRITORIES, 1965-66
(\$'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	12,280	6,662	2,503	2,448	1,522	981	13	45	26,455
2. Bricks, etc.	9,101	6,079	1,406	1,788	1,417	357	1	187	20,337
3. Chemicals, etc.	21,726	16,919	2,623	4,224	5,249	1,752	47	16	52,557
4. Industrial metals, etc.	111,039	30,644	6,880	17,918	5,043	8,979	53	51	180,606
5. Jewellery, etc.	373	387	44	99	41	5	..	185	1,132
6. Textiles, etc.	3,738	6,502	216	450	117	606	..	..	11,630
7. Skins, leather, etc.	805	892	232	264	154	12	..	..	2,358
8. Clothing, etc.	2,157	2,373	410	319	180	81	3	22	5,545
9. Food, drink, etc.	14,439	15,384	8,641	3,216	2,635	1,517	144	50	46,025
10. Sawmills, etc.	3,293	2,095	1,393	858	769	935	10	19	9,373
11. Furniture, etc.	538	357	121	108	67	24	1	2	1,218
12. Paper, stationery, etc.	5,170	6,431	1,097	1,505	316	3,854	8	169	18,551
13. Rubber	2,385	2,932	516	501	158	37	7	14	6,550
14. Musical instruments	67	21	1	1	..	..	..	..	91
15. Miscellaneous	2,105	3,092	69	224	75	12	..	..	5,577
<i>Total, classes 1 to 15</i>	<i>189,215</i>	<i>100,771</i>	<i>26,154</i>	<i>33,923</i>	<i>17,744</i>	<i>19,151</i>	<i>287</i>	<i>760</i>	<i>388,007</i>
16. Heat, light and power	34,302	27,087	17,637	10,143	9,570	30	569	..	99,337
Grand total	223,517	127,858	43,791	44,066	27,314	19,181	856	760	487,343

(a) Includes value of lubricants and water.

(b) For full titles see table above.

Total value. The next table shows the total amounts expended on power, fuel and light during the last five years.

FACTORIES: VALUE OF POWER, FUEL AND LIGHT USED(a)
STATES AND TERRITORIES, 1961-62 TO 1965-66
(\$'000)

Year	N.S.W.	Vic.	Qld	S.A.	W.A.	Tas.	N.T.	A.C.T.	Aust.(b)
1961-62 .	187,821	99,087	32,132	30,645	20,736	13,139	n.a.	n.a.	383,559
1962-63 .	197,509	103,550	35,198	32,072	21,722	14,436	n.a.	n.a.	404,487
1963-64 .	210,157	114,648	37,462	34,772	23,749	16,364	n.a.	n.a.	437,153
1964-65 .	217,548	125,161	38,749	39,295	26,045	18,327	865	644	466,633
1965-66 .	223,517	127,858	43,791	44,066	27,314	19,181	856	760	487,343

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

Value of items. The following table shows the value of the various items of power, fuel and light used in factories in each State and Territory.

FACTORIES: VALUE OF ITEMS OF POWER, FUEL AND LIGHT USED(a)
STATES AND TERRITORIES, 1965-66
(\$'000)

Item of power, fuel, etc.	N.S.W.	Vic.	Qld	S.A.	W.A.	Tas.	N.T.	A.C.T.	Aust.
Coal, black . .	38,102	3,066	20,309	(b)7,647	6,041	596	..	146	75,907
" brown . .	..	17,173	..	..	..	..	..	..	17,173
Brown coal briquettes	2	11,790	..	..	..	..	..	..	11,791
Coke	42,376	1,163	837	6,691	393	654	..	..	52,114
Wood	763	725	522	582	600	137	2	1	3,332
Fuel oil . . .	25,995	22,903	6,401	10,473	9,732	4,073	607	103	80,288
Tar (fuel) . .	2,517	161	27	101	33	21	..	..	2,861
Electricity . .	67,418	55,136	12,037	13,794	6,861	12,207	200	455	168,109
Gas	22,523	3,912	526	967	223	76	(c)	(c)	28,227
Other (charcoal, etc.)	10,226	2,694	282	1,276	1,840	689	1	4	17,013
Water	9,600	6,528	1,770	1,694	1,009	501	23	11	21,136
Lubricating oils	3,996	2,606	1,079	841	581	227	24	39	9,393
Total . . .	223,517	127,858	43,791	44,066	27,314	19,181	856	760	487,343

(a) Includes value of lubricants and water. (b) Includes \$5,957,705, the value of 1,926,672 tons of sub-bituminous Leigh Creek coal. (c) Less than \$500.

Quantities of fuel used. The following table shows the quantities of fuel used in factories in each State and Territory.

FACTORIES: QUANTITIES OF FUEL USED, STATES AND TERRITORIES, 1965-66

Fuel	N.S.W.	Vic.	Qld	S.A.	W.A.	Tas.	N.T.	A.C.T.	Aust.
Coal, black . '000 tons	7,512	277	2,357	(a)2,096	827	59	..	11	13,140
" brown . . . .	..	16,277	..	..	..	..	..	..	16,277
Brown coal briquettes . .	(b)	1,027	..	..	..	..	..	..	1,027
Coke	2,816	49	24	364	12	18	..	..	3,284
Wood	178	189	126	261	190	52	(b)	(b)	995
Fuel oil . . '000 gal	360,291	312,812	79,983	160,617	133,929	55,687	2,180	695	1,106,193
Tar (fuel)	183	8	2	8	3	1	..	..	205

(a) Includes 1,926,672 tons of Leigh Creek coal. (b) Less than 500 tons.

Value of materials used

By class of industry. The value of materials used (which includes the value of containers, packing, etc., the cost of tools replaced, and repairs to plant) in factories in Australia in 1965-66 reached \$7,597 million, or 54.1 per cent of the value of the final output (see page 1130). The following table shows the value of the materials used in various classes of industry in each State and Territory.

**FACTORIES: VALUE OF MATERIALS USED, BY CLASS OF INDUSTRY
STATES AND TERRITORIES, 1965-66
(\$'000)**

Class of industry(a)	N.S.W.	Vic.	Qld	S.A.	W.A.	Tas.	N.T.	A.C.T.	Aust.
1. Treatment non-metal. mine, etc. products . .	113,715	59,165	19,970	19,224	11,936	5,489	847	2,479	232,826
2. Bricks, etc.	32,635	21,911	4,232	6,495	2,625	534	199	608	69,239
3. Chemicals, etc. . . .	375,239	272,855	52,813	57,600	83,476	7,982	247	8	850,221
4. Industrial metals, etc.	1,554,861	814,925	265,993	389,830	114,566	72,753	2,363	3,453	3,218,745
5. Jewellery, etc. . . .	6,586	5,178	482	833	261	38	..	1,027	14,405
6. Textiles, etc.	103,760	221,628	8,944	11,291	5,934	19,287	..	..	370,844
7. Skins, leather, etc. .	32,761	21,434	6,215	10,427	2,098	708	..	..	73,642
8. Clothing, etc.	130,882	126,171	12,176	8,924	4,354	1,086	31	194	283,817
9. Food, drink, etc. . .	474,094	537,976	454,699	116,228	88,180	55,140	993	1,084	1,728,394
10. Sawmills, etc. . . .	104,686	72,681	33,747	28,662	22,743	21,953	369	1,799	286,639
11. Furniture, etc. . . .	43,396	30,012	12,938	8,652	6,747	2,025	64	333	104,168
12. Paper, stationery, etc.	176,002	160,910	31,242	22,231	12,400	25,975	84	2,192	431,037
13. Rubber	48,823	48,086	9,144	8,085	3,347	665	113	172	118,436
14. Musical instruments	2,576	505	49	19	12	..	..	..	3,161
15. Miscellaneous . . .	52,127	63,221	2,545	6,106	1,994	345	..	..	126,339
<i>Total, classes 1 to 15</i>	<i>3,252,143</i>	<i>2,456,658</i>	<i>915,189</i>	<i>694,607</i>	<i>360,673</i>	<i>213,980</i>	<i>5,312</i>	<i>13,349</i>	<i>7,911,912</i>
16. Heat, light and power	15,398	12,714	9,237	4,388	1,962	813	185	..	44,698
Grand total	3,267,541	2,469,372	924,427	698,996	362,634	214,794	5,497	13,349	7,956,609

(a) For full titles see table on page 1127.

Total amount. The following table shows the total value of materials used in factories for the last five years.

**FACTORIES: VALUE OF MATERIALS USED
STATES AND TERRITORIES, 1961-62 TO 1965-66
(\$'000)**

Year	N.S.W.	Vic.	Qld	S.A.	W.A.	Tas.	N.T.	A.C.T.	Aust(a)
1961-62	2,447,332	1,834,742	610,007	425,121	270,169	142,534	n.a.	n.a.	5,729,905
1962-63	2,629,648	2,001,508	713,728	502,860	279,756	156,075	n.a.	n.a.	6,283,575
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	3,267,541	2,469,372	924,427	698,996	362,634	214,794	5,497	13,349	7,956,609

(a) Prior to 1 July 1964 excludes Northern Territory and Australian Capital Territory.

Value of output

By classes of industry. The value of the output of factories in the various classes in each State and Territory in 1965-66 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 1130).

**FACTORIES: VALUE OF OUTPUT, BY CLASS OF INDUSTRY
STATES AND TERRITORIES, 1965-66
(\$'000)**

Class of industry(a)	N.S.W.	Vic.	Qld	S.A.	W.A.	Tas.	N.T.	A.C.T.	Aust.
1. Treatment non-metal. mine, etc. products . . .	190,673	114,331	40,103	39,480	26,185	11,684	1,359	3,837	427,652
2. Bricks, etc.	105,578	69,038	15,196	19,398	11,488	2,579	269	1,600	225,147
3. Chemicals, etc. . . .	687,883	460,136	81,584	97,087	127,638	17,880	655	64	1,472,928
4. Industrial metals, etc.	2,875,293	1,620,395	463,263	702,230	232,532	134,905	5,533	7,968	6,042,120
5. Jewellery, etc. . . .	15,602	14,326	1,521	2,739	1,155	187	..	2,894	38,424
6. Textiles, etc.	200,481	386,925	14,813	21,538	9,115	32,354	..	..	665,227
7. Skins, leather, etc. .	51,648	36,866	10,777	14,644	4,285	892	..	..	119,112
8. Clothing, etc.	272,067	268,577	30,897	22,209	11,300	3,299	97	770	609,217
9. Food, drink, etc. . .	768,623	811,891	619,137	175,135	132,750	81,075	2,245	2,051	2,592,908
10. Sawmills, etc. . . .	188,790	134,771	70,025	52,531	46,757	40,208	676	3,038	536,796
11. Furniture, etc. . . .	82,951	56,210	23,534	16,455	12,434	3,714	117	577	195,992
12. Paper, stationery, etc.	376,948	323,571	64,895	49,675	27,537	57,857	295	8,283	909,061
13. Rubber	85,912	87,545	18,308	15,582	5,906	1,302	195	444	215,194
14. Musical instruments	7,694	1,294	121	99	77	..	..	..	9,285
15. Miscellaneous . . .	114,151	123,031	5,857	13,519	4,559	770	..	..	261,887
<i>Total, classes 1 to 15</i>	<i>6,024,296</i>	<i>4,508,907</i>	<i>1,460,031</i>	<i>1,242,321</i>	<i>653,719</i>	<i>388,705</i>	<i>11,441</i>	<i>31,528</i>	<i>14,320,948</i>
16. Heat, light and power	160,027	116,009	51,183	28,218	25,032	15,875	2,016	..	398,360
Grand total	6,184,323	4,624,915	1,511,214	1,270,539	678,751	404,581	13,456	31,528	14,719,308

(a) For full titles see table on page 1133.

Total value. The following table shows the value of output in each State and Territory during the last five years.

**FACTORIES: VALUE OF OUTPUT, STATES AND TERRITORIES, 1961-62 TO 1965-66
(\$'000)**

Year	N.S.W.	Vic.	Qld	S.A.	W.A.	Tas.	N.T.	A.C.T.	Aust.(a)
1961-62	4,566,765	3,374,471	992,734	803,595	486,988	283,547	n.a.	n.a.	10,508,098
1962-63	4,902,043	3,706,850	1,129,892	914,074	517,899	312,545	n.a.	n.a.	11,483,303
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	6,184,323	4,624,915	1,511,214	1,270,539	678,751	404,581	13,456	31,528	14,719,308

(a) Prior to 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.

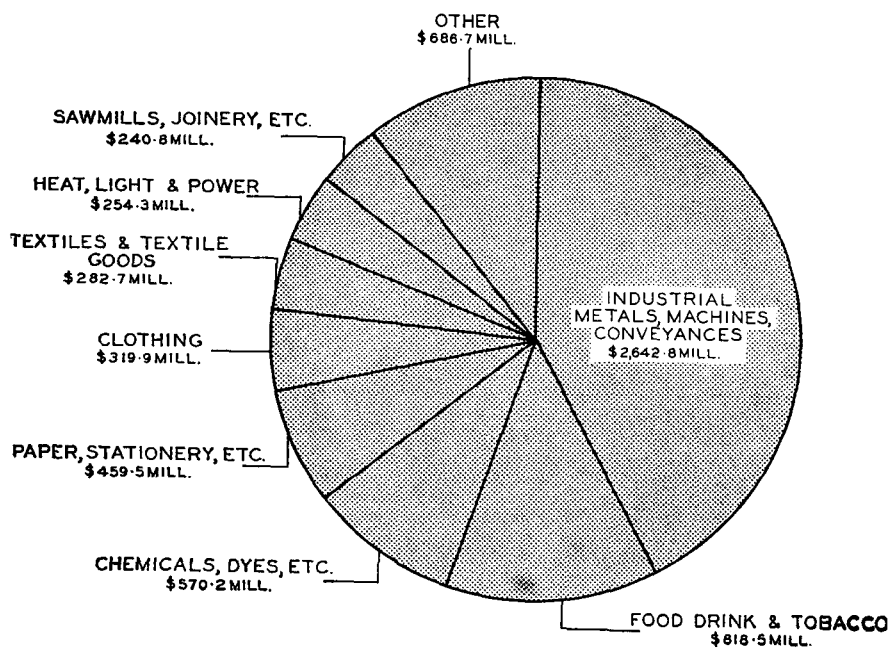
Only certain selected items of costs are recorded in the annual census of production. It must not, therefore, be inferred that when wages and salaries are deducted from the value of production the whole of the 'surplus' is available for interest and profit, as many miscellaneous expenses such as taxation, 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 INDUSTRY

AUSTRALIA, 1965-66



TOTAL: \$6,275.4 MILLION

PLATE 56

**FACTORIES: VALUE OF PRODUCTION, BY CLASS OF INDUSTRY
STATES AND TERRITORIES, 1965-66**

(\$'000)

Class of industry(a)	N.S.W.	Vic.	Qld	S.A.	W.A.	Tas.	N.T.	A.C.T.	Aust.
1. Treatment non-metal mine, etc. products	64,677	48,503	17,631	17,807	12,727	5,214	499	1,313	168,371
2. Bricks, etc.	63,843	41,049	9,557	11,115	7,446	1,688	68	806	135,571
3. Chemicals, etc.	290,919	170,362	26,148	35,263	38,913	8,146	360	40	570,150
4. Industrial metals, etc.	1,209,393	774,826	190,390	294,482	112,922	53,173	3,118	4,463	2,642,768
5. Jewellery, etc.	8,643	8,761	995	1,807	854	145	..	1,682	22,886
6. Textiles, etc.	92,983	158,795	5,653	9,796	3,065	12,461	..	..	282,753
7. Skins, leather, etc.	18,082	14,540	4,330	3,954	2,034	172	..	..	43,111
8. Clothing, etc.	139,029	140,033	18,311	12,965	6,766	2,133	62	555	319,854
9. Food, drink, etc.	280,091	258,530	155,797	55,691	41,936	24,418	1,107	918	818,489
10. Sawmills, etc.	80,812	59,995	34,885	23,012	23,245	17,319	298	1,219	240,785
11. Furniture, etc.	39,016	25,841	10,474	7,696	5,620	1,664	52	243	90,606
12. Paper, stationery, etc.	195,776	156,230	32,556	25,939	14,821	28,027	203	5,922	459,473
13. Rubber	34,704	36,526	8,648	6,996	2,401	601	75	257	90,208
14. Musical instruments	5,051	768	71	79	64	..	..	..	6,032
15. Miscellaneous	59,919	56,718	3,242	7,189	2,489	413	..	..	129,971
Total, classes 1 to 15	2,582,938	1,951,477	518,688	513,791	275,302	155,574	5,842	17,418	6,021,030
16. Heat, light and power	110,327	76,208	24,308	13,687	13,501	15,032	1,262	..	254,325
Grand total	2,693,265	2,027,685	542,996	527,477	288,803	170,606	7,103	17,418	6,275,355

(a) For full titles see table on page 1133.

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
STATES AND TERRITORIES, 1961-62 TO 1965-66**

Year	N.S.W.	Vic.	Qld	S.A.	W.A.	Tas.	N.T.	A.C.T.	Aust.(a)
Total value (\$'000)									
1961-62	1,931,612	1,440,642	350,595	347,828	196,083	127,874	n.a.	n.a.	4,394,635
1962-63	2,074,886	1,601,792	380,966	379,142	216,422	142,033	n.a.	n.a.	4,795,241
1963-64	2,267,917	1,749,776	441,873	427,356	230,511	152,571	n.a.	n.a.	5,270,003
1964-65	2,521,476	1,949,665	478,423	498,588	260,637	167,251	6,654	14,060	5,896,754
1965-66	2,693,265	2,027,685	542,996	527,477	288,803	170,606	7,103	17,418	6,275,355
Average per person employed(\$)—									
1961-62	4,189	3,808	3,449	3,510	3,842	4,253	n.a.	n.a.	3,919
1962-63	4,366	4,026	3,628	3,602	4,050	4,618	n.a.	n.a.	4,107
1963-64	4,650	4,236	3,992	3,857	4,138	4,793	n.a.	n.a.	4,356
1964-65	4,954	4,509	4,116	4,291	4,486	5,134	5,499	4,357	4,647
1965-66	5,186	4,617	4,618	4,457	4,791	4,972	5,489	4,984	4,850
Average per head of population (\$)—									
1961-62	489	487	229	356	263	362	n.a.	n.a.	414
1962-63	516	532	245	381	282	397	n.a.	n.a.	444
1963-64	557	570	279	419	293	421	n.a.	n.a.	479
1964-65	609	622	296	476	324	457	196	167	525
1965-66	641	635	330	489	350	462	196	188	548

(a) Prior to 1 July 1964 excludes Northern Territory and Australian Capital Territory.

Value of land, buildings, plant and machinery

The following table shows the value of land and buildings and of plant and machinery used in each State and Territory in connection with manufacturing industries.

FACTORIES: VALUE OF LAND, BUILDINGS, PLANT AND MACHINERY(a)
STATES AND TERRITORIES, 1965-66

(\$'000)

Value of—	N.S.W.	Vic.	Qld	S.A.	W.A.	Tas.	N.T.	A.C.T.	Aust.
Land and buildings	1,658,597	1,176,942	273,559	276,531	151,047	211,923	6,208	21,891	3,776,698
Plant and machinery	1,672,719	1,209,046	477,459	423,458	197,210	158,672	7,587	10,134	4,156,285
Total	3,331,316	2,385,989	751,018	699,989	348,257	370,596	13,795	32,025	7,932,983

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

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.

Value of land and buildings

By class of industry. The following tables show the approximate value of land and buildings occupied in connection with manufacturing industries.

FACTORIES: VALUE OF LAND AND BUILDINGS(a) BY CLASS OF INDUSTRY, AUSTRALIA(b), 1961-62 TO 1965-66 (\$'000)

Class of industry	1961-62	1962-63	1963-64	1964-65	1965-66
1. Treatment of non-metalliferous mine and quarry products	62,264	66,009	72,616	76,489	82,525
2. Bricks, pottery, glass, etc.	52,200	63,060	68,470	73,402	79,323
3. Chemicals, dyes, explosives, paints, oils, grease	191,750	201,028	219,212	231,170	247,653
4. Industrial metals, machines, conveyances	1,013,520	1,102,874	1,188,289	1,320,522	1,419,339
5. Precious metals, jewellery, plate	9,968	10,788	11,657	16,597	16,584
6. Textiles and textile goods (not dress)	115,582	122,955	130,425	132,770	137,174
7. Skins and leather (not clothing or footwear)	20,000	21,591	23,322	24,495	25,427
8. Clothing (except knitted)	115,927	126,807	135,959	147,996	156,895
9. Food, drink and tobacco	344,715	370,015	392,089	428,224	465,596
10. Sawmills, joinery, boxes, etc., wood turning and carving	82,176	85,632	90,956	100,165	107,406
11. Furniture of wood, bedding, etc.	37,762	41,083	44,142	49,601	52,594
12. Paper, stationery, printing, bookbinding, etc.	170,438	182,791	198,860	227,332	250,587
13. Rubber	33,750	37,408	50,595	52,322	58,796
14. Musical instruments	1,591	1,593	1,550	1,640	1,730
15. Miscellaneous products	52,185	58,214	64,090	69,571	74,873
<i>Total, classes 1 to 15</i>	<i>2,303,826</i>	<i>2,491,848</i>	<i>2,692,232</i>	<i>2,952,295</i>	<i>3,176,504</i>
16. Heat, light and power	505,814	514,973	512,453	553,565	600,194
Grand total	2,809,641	3,006,820	3,204,685	3,505,859	3,776,698

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

(b) Prior to 1 July 1964 excludes Northern Territory and Australian Capital Territory.

FACTORIES: VALUE OF LAND AND BUILDINGS(a) BY CLASS OF INDUSTRY, STATES AND TERRITORIES, 1965-66 (\$'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	27,202	29,968	6,351	9,120	7,501	1,724	191	468	82,525
2. Bricks, etc.	41,299	23,192	4,348	5,390	3,266	1,228	41	559	79,323
3. Chemicals, etc.	127,932	81,160	10,176	10,039	14,400	3,559	354	34	247,653
4. Industrial metals, etc.	617,932	470,730	88,861	145,884	57,311	31,192	2,434	4,944	1,419,339
5. Jewellery, etc.	5,607	4,810	527	1,416	663	136	..	3,424	16,584
6. Textiles, etc.	43,766	80,751	2,476	4,374	1,257	4,549	..	..	137,174
7. Skins, leather, etc.	12,271	9,780	1,067	1,332	920	58	..	..	25,427
8. Clothing, etc.	67,610	66,737	8,605	7,337	4,078	1,798	89	641	156,895
9. Food, drink, etc.	142,401	159,823	77,317	37,015	27,443	18,877	1,358	1,362	465,596
10. Sawmills, etc.	39,565	34,467	10,320	10,454	5,606	5,812	246	935	107,406
11. Furniture, etc.	21,015	17,375	5,604	4,265	2,768	1,123	17	426	52,594
12. Paper, stationery, etc.	105,145	82,825	15,006	15,889	9,293	13,723	67	8,639	250,587
13. Rubber	23,064	22,443	5,783	4,316	1,753	721	258	457	58,796
14. Musical instruments	1,026	452	69	102	81	..	..	..	1,730
15. Miscellaneous	31,542	36,184	1,738	3,246	1,728	435	..	..	74,873
<i>Total, classes 1 to 15</i>	<i>1,307,429</i>	<i>1,120,698</i>	<i>238,249</i>	<i>260,179</i>	<i>138,070</i>	<i>84,934</i>	<i>5,054</i>	<i>21,891</i>	<i>3,176,504</i>
16. Heat, light and power	351,168	56,244	35,310	16,352	12,978	126,989	1,153	..	600,194
Grand total	1,658,597	1,176,942	273,559	276,531	151,047	211,923	6,208	21,891	3,776,698

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

(b) For full titles see table above.

Total value. The following table shows the value of land and buildings in each State and Territory.

FACTORIES: VALUE OF LAND AND BUILDINGS(a)
STATES AND TERRITORIES, 1961-62 TO 1965-66
(\$'000)

Year	N.S.W.	Vic.	Qld	S.A.	W.A.	Tas.	N.T.	A.C.T.	Aust.(b)
1961-62 . . .	1,286,965	889,331	179,264	196,594	98,336	159,148	n.a.	n.a.	2,809,641
1962-63 . . .	1,379,533	954,065	193,484	212,963	102,856	163,919	n.a.	n.a.	3,006,820
1963-64 . . .	1,454,527	1,020,794	211,520	230,627	118,813	168,403	n.a.	n.a.	3,204,685
1964-65 . . .	1,539,169	1,105,712	237,443	256,536	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	6,208	21,891	3,776,698

(a) At end of year. Includes estimated value of rented premises.
 Northern Territory and Australian Capital Territory.

(b) Prior to 1 July 1964 excludes

Value of plant and machinery

By class of industry. The following two tables show, by class of industry, the approximate value of plant and machinery used in factories.

FACTORIES: VALUE OF PLANT AND MACHINERY(a)
BY CLASS OF INDUSTRY, AUSTRALIA(b), 1961-62 TO 1965-66
(\$'000)

Class of industry	1961-62	1962-63	1963-64	1964-65	1965-66
1. Treatment of non-metalliferous mine and quarry products	148,862	153,657	155,387	171,063	197,365
2. Bricks, pottery, glass, etc.	47,888	63,409	70,476	76,841	84,789
3. Chemicals, dyes, explosives, paints, oils, grease	398,422	424,982	459,429	455,567	521,872
4. Industrial metals, machines, conveyances	1,005,967	1,100,595	1,187,576	1,311,045	1,418,984
5. Precious metals, jewellery, plate	2,896	3,018	3,454	7,060	7,197
6. Textiles and textile goods (not dress)	96,630	104,031	106,160	113,469	121,398
7. Skins and leather (not clothing or footwear)	9,033	9,215	9,472	10,206	10,215
8. Clothing (except knitted)	38,335	43,006	46,489	51,361	53,749
9. Food, drink and tobacco	337,239	362,541	383,922	438,152	499,512
10. Sawmills, joinery, boxes, etc., wood turning and carving	68,394	68,924	71,548	75,441	78,321
11. Furniture of wood, bedding, etc.	9,546	9,964	11,137	12,020	12,902
12. Paper, stationery, printing, bookbinding, etc.	183,725	199,086	209,705	231,722	256,681
13. Rubber	26,149	28,556	36,532	41,208	54,194
14. Musical instruments	698	643	603	581	658
15. Miscellaneous products	35,532	42,278	46,137	54,444	59,571
<i>Total, classes 1 to 15</i>	<i>2,409,316</i>	<i>2,613,905</i>	<i>2,798,027</i>	<i>3,050,180</i>	<i>3,377,406</i>
16. Heat, light and power	642,764	672,628	682,646	716,072	778,879
Grand total	3,052,079	3,286,533	3,480,673	3,766,253	4,156,285

(a) At end of year. Includes estimated value of rented plant and machinery.
 excludes Northern Territory and Australian Capital Territory.

(b) Prior to 1 July 1964

FACTORIES: VALUE OF PLANT AND MACHINERY(a)
BY CLASS OF INDUSTRY, STATES AND TERRITORIES, 1965-66
(\$'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 .	93,976	57,540	14,088	17,783	8,794	3,952	189	1,042	197,365
2. Bricks, etc. .	41,951	23,173	5,644	8,539	3,339	794	43	1,307	84,789
3. Chemicals, etc. .	230,105	149,872	55,667	35,542	42,227	7,710	719	30	521,872
4. Industrial metals, etc.	706,911	344,807	67,206	207,816	49,814	40,714	999	717	1,418,984
5. Jewellery, etc. .	1,675	1,448	201	415	166	32	..	3,260	7,197
6. Textiles, etc. .	39,706	65,544	2,182	4,606	1,141	8,218	..	..	121,398
7. Skins, leather, etc.	4,038	3,584	972	1,121	461	38	..	..	10,215
8. Clothing, etc. .	20,848	23,186	3,751	3,629	1,486	633	18	198	53,749
9. Food, drink, etc. .	119,730	135,500	177,501	28,245	20,667	16,621	714	536	499,512
10. Sawmills, etc. .	24,830	19,230	11,328	9,298	5,562	7,651	208	215	78,321
11. Furniture, etc..	5,443	3,335	1,794	1,284	729	250	11	55	12,902
12. Paper, stationery, etc.	94,928	74,818	20,204	25,667	13,172	25,226	73	2,594	256,681
13. Rubber .	24,172	18,498	2,413	6,683	1,840	300	105	182	54,194
14. Musical instruments	457	144	12	38	7	..	..	..	658
15. Miscellaneous. .	22,054	32,566	1,528	2,114	977	332	..	..	59,571
<i>Total, classes 1 to 15 .</i>	<i>1,430,824</i>	<i>953,246</i>	<i>364,490</i>	<i>352,779</i>	<i>150,383</i>	<i>112,472</i>	<i>3,078</i>	<i>10,134</i>	<i>3,377,406</i>
16. Heat, light and power	241,895	255,800	112,968	70,679	46,827	46,201	4,508	..	778,879
Grand total .	1,672,719	1,209,046	477,459	423,458	197,210	158,672	7,587	10,134	4,156,285

(a) At end of year. Includes estimated value of rented plant and machinery. (b) For full titles, see table on page 1134.

Total value. The following table shows the value of plant and machinery in each State and Territory.

FACTORIES: VALUE OF PLANT AND MACHINERY(a)
STATES AND TERRITORIES, 1961-62 TO 1965-66
(\$'000)

Year	N.S.W.	Vic.	Qld	S.A.	W.A.	Tas.	N.T.	A.C.T.	Aust.(b)
1961-62 . .	1,341,272	938,278	274,502	253,006	123,432	121,590	n.a.	n.a.	3,052,079
1962-63 . .	1,438,382	1,003,390	280,585	293,608	132,635	137,933	n.a.	n.a.	3,286,533
1963-64 . .	1,504,195	1,040,724	308,307	330,281	155,514	141,651	n.a.	n.a.	3,480,673
1964-65 . .	1,564,408	1,127,948	350,318	388,932	163,526	155,336	6,103	9,682	3,766,253
1965-66 . .	1,672,719	1,209,046	477,459	423,458	197,210	158,672	7,587	10,134	4,156,285

(a) At end of year. Includes estimated value of rented plant and machinery. (b) Prior to 1 July 1964 excludes Northern Territory and Australian Capital Territory.

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, 1965-66**

(\$'000)

Class of industry(a)	N.S.W.	Vic.	Qld	S.A.	W.A.	Tas.	N.T.	A.C.T.	Aust.
1. Treatment non-metal. mine, etc., products .	10,643	4,931	1,441	2,145	891	169	24	40	20,284
2. Bricks, etc.	4,130	3,207	599	796	443	162	13	106	9,456
3. Chemicals, etc. . . .	30,756	22,597	3,008	3,792	5,696	1,263	39	4	67,158
4. Industrial metals, etc.	78,173	43,966	6,799	24,216	4,248	3,240	97	58	160,799
5. Jewellery, etc. . . .	185	137	19	39	14	2	..	190	586
6. Textiles, etc.	4,891	9,704	302	627	121	865	..	..	16,510
7. Skins, leather, etc. .	399	392	107	168	73	4	..	..	1,142
8. Clothing, etc.	1,996	2,010	305	250	158	64	3	28	4,813
9. Food, drink, etc. . .	14,851	16,668	13,907	3,359	2,743	1,961	88	81	53,658
10. Sawmills etc.	2,940	1,983	1,610	1,192	716	1,023	19	29	9,511
11. Furniture, etc. . . .	613	333	196	143	73	19	2	4	1,382
12. Paper, stationery, etc.	10,950	10,608	2,410	1,908	920	3,560	8	325	30,688
13. Rubber	3,333	3,032	421	743	353	62	9	12	7,966
14. Musical instruments	74	10	1	1	(b)	..	..	..	87
15. Miscellaneous	3,169	5,125	155	297	128	16	..	..	8,892
<i>Total, classes 1 to 15</i>	<i>167,102</i>	<i>124,703</i>	<i>31,280</i>	<i>39,676</i>	<i>16,578</i>	<i>12,411</i>	<i>302</i>	<i>877</i>	<i>392,930</i>
16. Heat, light and power	23,265	24,929	7,318	3,941	3,440	2,137	250	..	65,280
Grand total	190,367	149,632	38,597	43,618	20,018	14,549	552	877	458,210

(a) For full titles see table on page 1134. (b) Less than \$500.

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), 1961-62 TO 1965-66

(\$'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
1961-62	2,809,641	3,052,079	359,729	561,185	36,891	279,860
1962-63	3,006,820	3,286,533	191,797	566,066	38,797	304,154
1963-64	3,204,685	3,480,673	192,419	564,958	39,711	336,929
1964-65	3,505,859	3,766,253	249,779	666,490	46,095	366,702
1965-66	3,776,698	4,156,285	272,052	773,271	51,813	406,397

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

(b) Includes

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 in the following table may differ from corresponding figures in earlier chapters.

**QUANTITIES OF PRINCIPAL ARTICLES PRODUCED IN FACTORIES
AUSTRALIA, 1962-63 TO 1965-66**

Article	1962-63	1963-64	1964-65	1965-66
Acid (in terms of 100%)—				
Hydrochloric tons	4,295	4,304	4,491	5,447
Nitric "	19,836	19,782	24,817	25,522
Sulphuric '000 tons	1,256	1,447	1,610	1,779
Aerated and carbonated waters '000 gal	87,365	93,304	99,062	105,381
Air conditioning equipment—				
Room air conditioners (refrigerated) no	5,918	4,511	6,027	18,217
Room air coolers (evaporative coolers) "	3,620	1,896	2,886	6,000
Package unit air conditioners "	1,835	1,830	2,304	2,047
Asbestos cement building sheets (finished) '000 sq yd	27,743	29,836	32,477	32,364
Bags, leather, fibre, etc.—				
Handbags—				
Leather no	534,486	509,569	529,133	534,121
Plastic '000	2,109	2,065	2,392	2,053
Other no	250,858	278,359	410,190	393,037
Hessian and calico bags '000 doz	2,846	3,000	3,095	3,601
Suitcases, kitbags and trunks '000	1,411	1,567	1,613	1,657
All other(a) "	2,131	2,037	2,080	1,985
Bath heaters—				
Electric no	11,783	14,498	14,087	13,524
Gas "	14,143	11,943	11,348	9,971
Solid fuel "	19,967	17,606	16,120	13,963
Bathing suits doz	209,753	205,945	241,203	270,698
Baths—				
C.I.P.E. no	76,034	77,868	84,852	85,447
Other "	36,465	53,292	67,523	67,048
Batteries, wet cell type—				
Auto (S.L.I.) 6 volts '000	600	579	503	470
12 volts "	1,116	1,192	1,257	1,312
Radio, homelighter, fencer no. of 2 Volt cells	192,146	190,608	158,381	136,173
Traction, plant and other "	58,980	56,359	63,717	78,066
Beer (excluding waste beer) '000 gal	249,454	262,343	274,895	279,503
Biscuits '000 lb	185,245	197,970	208,945	223,678
Blankets '000	1,845	2,176	2,079	1,701
Boots and shoes (see Footwear)				
Bran (wheaten) tons (2,000 lb)	225,185	252,746	228,746	206,127
Brandy '000 proof gal	1,129	1,220	1,400	1,371
Brassieres doz	609,575	681,846	673,551	719,739
Bread (2 lb loaf equivalent) '000	762,673	779,458	781,317	794,537
Breakfast food, cereal (ready to eat) cwt	812,725	833,726	878,533	904,040
Bricks, clay mill.	1,059	1,238	1,353	1,385
Briquettes, brown coal '000 tons	1,805	1,883	1,893	1,883
Butter(b) '000 lb	450,765	454,292	454,878	460,433
Cardigans, sweaters, etc. '000 doz	1,261	1,327	1,418	1,432
Cement, portland '000 tons	2,942	3,320	3,746	3,667
Cheese (green weight) '000 lb	131,120	130,405	138,008	131,300
Cigarettes and cigars "	45,346	46,040	49,544	47,543
Cloth (including mixtures)—				
Cotton(c) '000 sq yd	47,103	53,354	56,671	55,701
Rayon and acetate "	23,603	26,798	32,017	32,985
Synthetic (non-cellulosic) "	18,319	19,916	22,491	21,015
Wool "	37,163	34,876	35,299	32,588
Coke—				
Metallurgical '000 tons	2,759	2,915	3,118	3,142
Other tons	694,575	693,361	632,501	599,301
Concrete, ready mixed '000 cu yd	4,425	5,410	6,060	6,603
Confectionery—				
Chocolate '000 lb	83,815	92,714	95,634	104,312
Other "	97,708	100,482	106,274	107,856

(a) Excludes canvas water bags.

(b) Includes the butter equivalent of butter oil production.

(c) Excludes towelling and tyre-cord fabric.

**QUANTITIES OF PRINCIPAL ARTICLES PRODUCED IN FACTORIES
AUSTRALIA, 1962-63 TO 1965-66—continued**

Article	1962-63	1963-64	1964-65	1965-66
Copper, refined(a) tons	85,652	89,222	53,441	91,001
Coppers (wash boilers)—				
Electric no	10,385	10,412	11,051	9,113
Gas "	10,959	8,255	7,503	5,740
Inserts "	15,356	19,540	18,213	19,074
Cordials and syrups '000 gal	6,259	6,887	7,295	9,144
Corsets and corselets doz	274,353	303,538	342,336	380,835
Cycles, (complete) no	59,168	62,326	67,874	63,641
Dentifrices (toothpaste) '000 lb	8,443	8,800	9,799	9,774
Dynamos (non-automotive)—				
Alternators no	1,022	1,011	1,480	1,676
Generators "	3,396	1,339	1,139	1,022
Electricity mill. kWh	29,279	32,519	35,671	38,279
Electrodes for manual welding '000 lb	36,058	44,147	47,554	43,405
Engines, internal combustion(b) '000	271	290	292	224
Essences, flavouring—				
Domestic gal	114,239	127,915	130,532	135,720
Industrial "	530,649	585,015	587,753	594,026
Face powder lb	247,916	282,122	310,586	285,870
Fans, electric no	146,193	156,836	204,285	223,409
Fish, canned (including fish loaf) '000 lb	10,327	11,149	10,914	11,853
Floorboards—				
Australian timber '000 super ft	139,284	146,148	160,165	162,710
Imported timber "	776	665	798	721
Floor coverings—				
Soft '000 sq yd	8,801	10,297	11,542	11,692
Smooth surface "	7,222	8,192	11,869	14,041
Underfelts, underlays etc. "	8,799	9,662	11,158	11,067
Floor polishers, electric no	101,983	92,108	105,077	80,398
Flour—				
Self-raising '000 cwt	998	967	902	864
Wheaten(c) '000 tons (2,000 lb)	1,465	1,672	1,553	1,414
Footwear (not rubber)—				
Boots, shoes and sandals '000 pairs	26,687	28,241	28,607	27,963
Slippers "	10,671	11,388	12,211	11,594
Fruit juices, natural—				
Single strength '000 gal	7,305	8,088	10,106	10,727
Concentrated(d) "	405	644	753	815
Gas (town) mill. cubic ft	51,351	53,209	55,260	55,742
Gloves—				
Dress doz pairs	27,580	28,058	28,299	26,163
Work—Sewn(e) '000 doz pairs	337	379	407	382
Dipped "	760	1,100	1,195	1,309
Glucose '000 lb	41,977	48,638	57,444	60,779
Golf clubs doz	29,598	29,800	28,635	33,145
Handkerchiefs—				
Men's '000 doz	1,738	1,717	2,089	1,901
Women's "	1,355	1,539	1,603	1,507
Heaters, room—				
Solid fuel no	38,360	38,557	47,883	37,967
Radiators and electric fires "	504,349	579,446	749,889	706,943
Gas fires and space heaters, domestic "	19,566	26,253	30,858	31,186

(a) Primary origin only. (b) Petrol and diesel. Excludes car, motor cycle, truck, tractor, aero, and marine engines. (c) Includes wheatmeal for baking and sharps. (d) Excludes grape must. (e) Excludes fabric liners for dipped gloves but includes moulded or heat sealed work gloves.

QUANTITIES OF PRINCIPAL ARTICLES PRODUCED IN FACTORIES
AUSTRALIA, 1962-63 TO 1965-66—continued

Article	1962-63	1963-64	1964-65	1965-66
Ice tons	238,924	221,182	205,545	198,701
Ice cream '000 gal	20,661	22,403	25,019	30,026
Infants' and invalids' milk-based health beverages(a) 000 lb	38,465	44,105	45,179	45,280
Ink, printing—News "	12,397	14,673	14,948	14,900
Other "	12,737	13,838	14,545	14,972
Iron and steel—				
Pig iron '000 tons	3,400	3,772	3,936	4,380
Steel ingots, open hearth and electric "	4,260	4,764	5,027	5,561
Blooms and slabs "	3,672	4,068	4,503	4,580
Irons, electric (hand, domestic) no	354,636	363,617	430,326	450,230
Jams (including conserves, jellies, etc.) '000 lb	92,175	90,462	89,362	97,149
Lard '000 lb	5,154	6,526	5,536	5,853
Lawn mowers—				
Petrol, rotary no	217,172	199,204	201,125	176,396
Other types(b) "	15,158	16,486	10,799	11,403
Lead refined(c) tons	208,946	217,292	199,032	188,101
Leather—				
Dressed or finished—Chrome tanned (including retanned) '000 sq ft	80,318	87,474	85,900	83,175
Vegetable tanned, by weight '000 lb	20,943	21,010	19,865	15,326
Vegetable tanned, by measurement '000 sq ft	4,405	5,423	4,036	3,956
Tanned or dressed skins with hair or wool retained doz	46,194	55,973	88,592	117,778
Lime—Crushed tons	161,372	180,694	200,040	219,131
Hydrated "	76,401	81,508	89,840	96,566
Quick "	98,545	110,429	133,957	135,311
Lipstick lb	86,318	84,512	65,458	70,104
Malt, (excluding extract) '000 bus	10,536	12,127	12,262	13,380
Margarine—				
Table '000 lb	n.a.	n.a.	50,937	53,698
Other "	67,613	73,025	69,060	67,884
Mattresses—Box spring no	37,825	46,580	64,699	80,319
Inner spring "	644,510	689,114	727,248	705,702
Woven wire, link mesh and spring "	403,866	432,768	504,377	529,019
Other "	263,625	279,924	294,074	273,040
Meat, canned(d) '000 lb	95,279	99,902	115,578	113,051
Meters—				
Electric (domestic) no	235,753	254,884	302,532	(e)302,511
Gas "	48,198	53,551	50,010	41,443
Water "	131,882	127,689	127,316	141,042
Milk, condensed, concentrated and evaporated—				
Full cream, sweetened '000 lb	75,533	95,744	102,479	73,985
" " unsweetened "	64,409	71,964	89,390	88,482
Skim "	19,203	25,712	21,936	21,350
Milk powder—				
Full cream "	39,703	42,178	43,669	45,060
Skim "	94,176	92,130	107,822	112,342
Buttermilk or mixed skim and buttermilk "	20,801	21,710	20,885	26,266
Motors, electric '000	1,936	2,223	2,585	2,510
Motor vehicles—finished—				
Cars "	n.a.	240,429	250,477	236,597
Station wagons "	n.a.	80,900	83,992	58,889
Utilities "	n.a.	28,663	25,661	33,553
Panel vans "	n.a.	11,890	12,972	14,574
Truck and truck-type vehicles "	n.a.	1,273	1,220	1,074
Motor vehicles—partly finished—				
Cars, station wagons, utilities, vans "	n.a.	1,935	1,825	1,600
Trucks and truck-type vehicles "	n.a.	23,633	27,029	21,073
Motor vehicle safety belts "	n.a.	329,780	437,189	426,847

(a) Includes malted milk and milk sugar (lactose). (b) Petrol cylinder, electric and hand. (c) Includes lead content of lead alloy from primary sources, but excludes lead-silver bullion produced for export. (d) Excludes poultry and baby food. (e) New basis—electricity consumption meters.

**QUANTITIES OF PRINCIPAL ARTICLES PRODUCED IN FACTORIES
AUSTRALIA, 1962-63 TO 1965-66—continued**

Article	1962-63	1963-64	1964-65	1965-66
Nails tons	23,447	24,987	26,802	23,414
Neckties doz	524,622	467,557	494,107	496,989
Oatmeal and rolled oats—				
Kilned, for porridge cwt	296,457	294,515	312,143	310,028
Unkilned "	550,825	525,930	544,018	401,360
Oils, vegetable—crude '000 lb	66,872	79,402	87,676	87,898
Paints, etc.—				
Paints, (not water) and enamels ready for use . . . '000 gal	13,833	15,491	16,260	15,188
in paste form '000 lb	3,088	3,191	2,926	3,158
Laquers (nitro-cellulose) '000 gal	1,443	1,525	1,563	1,437
Tinting colours, packaged ready for sale . . . "	66	65	57	54
Stains and clear varnished packaged ready for sale . . . "	827	888	899	845
Water paints—emulsion type '000 lb	3,077	3,348	3,710	4,321
in powder form '000 gal	2,228	2,423	2,269	1,945
Thinners '000 gal	3,574	3,908	4,163	4,018
Paper—				
Newsprint tons	90,245	92,039	93,142	93,211
Other "	255,751	295,651	341,642	351,303
Paperboard "	240,965	258,374	296,387	317,553
Perambulators, pushers and strollers no	140,449	147,338	135,621	132,499
Petrol—				
For blending and refining '000 gal	75,086	44,649	51,890	44,870
Other (all types) million "	1,283	1,365	1,495	1,609
Plaster of paris tons	240,863	260,092	277,445	265,553
Plaster sheets(a) '000 sq yd	15,932	15,922	29,613	30,984
Plywood, $\frac{1}{8}$ inch basis '000 sq ft	195,263	216,282	217,059	187,258
Pollard tons (2,000 lb)	305,923	349,095	326,418	303,162
Preserves—				
Fruit—Canned or bottled '000 lb	431,739	471,289	513,714	579,619
Pulp and puree—single strength '000 cwt	103	83	86	62
Vegetables—Canned or bottled '000 lb	132,628	144,070	152,117	180,098
Quick frozen "	47,834	57,414	77,254	98,883
Pyjamas—				
Men's and boys' (suits only) doz	406,946	422,731	430,589	480,396
Women's and girls' (incl. nightdresses) "	635,232	675,940	711,139	726,711
Racquet frames (all types) doz	15,034	14,466	16,190	15,308
Radio receiving sets (including radiograms) no	500,861	465,520	455,970	392,526
Records (phonograph)—				
Single play (78 and 45 r.p.m.) '000	3,629	3,885	4,198	4,298
Extended play "	898	1,121	1,474	1,486
Long play "	3,660	4,078	4,459	5,086
Refrigerators, domestic no	206,349	203,391	227,728	213,870
Resins, plastic and synthetic—for all purposes '000 cwt	1,703	1,974	2,123	2,433
Rice, polished, unpolished and broken "	1,693	1,596	1,969	2,080
Ropes and cables (excluding wire) cwt	143,490	147,038	137,471	133,355
Rugs '000	194	193	201	175
Sauce '000 pints	33,170	37,385	38,271	46,111
Semolina tons (2,000 lb)	10,065	13,213	16,532	18,744
Shirts (men's and boys') '000 doz	1,920	1,965	2,146	2,266
Sink heaters, electric no	11,619	11,320	12,155	10,646
Sinks, pressed steel "	174,180	193,454	219,371	220,037
Soap—for personal toilet use '000 cwt	419	428	465	478
Socks and stockings—				
Men's and youths' '000 doz. pairs	1,643	1,628	1,707	1,690
Women's and maids' "	3,633	3,992	4,440	4,563
Children's and infants' "	899	937	1,025	903
Soup—Canned '000 pints	48,063	55,124	63,077	72,032
Dry-mix '000 lb	7,622	6,805	7,291	8,294
Starch '000 lb	92,029	102,132	132,271	145,536
Stearine (stearic acid) "	10,050	9,877	11,538	9,647
Steel, constructional, fabricated tons	416,067	453,266	506,291	543,705
Stoves, ovens and ranges—				
Domestic cooking—				
Electric(a) no	141,231	168,854	182,770	227,597
Gas(b) "	65,573	77,380	84,503	71,265
Solid fuel "	27,137	28,076	23,612	20,859

(a) Figures prior to 1964-65 refer only to the production of fibrous plaster sheets.

**QUANTITIES OF PRINCIPAL ARTICLES PRODUCED IN FACTORIES
AUSTRALIA, 1962-63 TO 1965-66—continued**

Article		1962-63	1963-64	1964-65	1965-66
Sugar—Raw (94 net titre)	'000 tons	1,850	1,724	1,950	1,953
Refined	'000 tons	564	576	592	609
Sulphate of ammonia	tons	93,475	85,488	108,275	122,358
Superphosphate(c)	'000 tons	2,862	3,347	3,703	4,185
Talcum powder	'000 lb	6,497	7,382	7,835	6,860
Tallow (including dripping)—rendering—					
Edible	"	165,782	172,873	161,967	148,628
Inedible	"	369,710	357,507	391,152	343,906
Television sets	no	295,692	270,235	308,737	276,588
Television picture tubes	"	385,786	356,990	400,675	361,534
Tiles, roofing—					
Cement	'000	60,482	76,543	87,744	82,921
Terracotta	"	51,298	53,785	52,984	51,258
Timber—					
From native logs—					
Hardwood	'000 super ft	1,088,197	1,157,175	1,203,705	1,185,831
Softwood	" "	322,370	330,014	329,508	331,469
From imported logs	" "	31,949	32,967	36,346	27,892
Toasters, electric (domestic)	no	289,063	305,248	321,042	329,626
Tobacco	'000 lb	11,553	10,046	8,993	8,407
Tomato juice	'000 gal	2,353	1,131	987	1,927
paste and puree	'000 pints	7,709	13,451	16,446	18,636
pulp	'000 cwt	450	522	168	133
Towels	'000 doz	730	826	895	960
Toilet cisterns	no	n.a.	n.a.	359,944	340,895
Tractors	"	11,015	15,820	13,489	10,467
Transformers, chokes and ballasts—					
for distribution of power and light, etc.	"	18,788	21,592	22,308	19,361
Tubes, pneumatic(d)	"	3,144	3,409	3,651	3,823
Twine (all types)	cwt	170,972	184,356	195,461	174,646
Tyres, pneumatic(d)	'000	5,013	5,097	5,530	5,613
Umbrellas—street and general purpose	no	635,553	771,597	764,510	716,987
Underwear (men's, women's, children's)	'000 doz	5,858	6,017	6,231	6,305
Vacuum cleaners (domestic)	no	127,348	140,708	181,326	181,691
Wash basins—					
C.I.P.E.	no	77,717	72,744	71,430	64,126
Earthenware	"	97,404	113,905	149,257	140,652
Pressed steel	"	37,333	45,289	56,126	62,852
Washing machines, household, electric	"	215,844	222,070	264,001	240,189
Weatherboards—					
Australian timber	'000 super ft	20,123	20,755	20,599	20,307
Imported timber	" "	3,093	2,740	3,094	2,583
Wheatmeal for stock feed	tons (2,000 lb)	94,790	118,347	207,696	284,474
Wheelbarrows (metal)	no	87,642	104,464	111,366	116,838
Wine, beverage—					
Fortified	'000 gal	8,761	10,825	11,137	9,678
Unfortified.	"	6,091	7,874	8,697	8,663
Wood pulp	tons	258,844	286,008	317,435	330,625
Wool, scoured or carbonised	'000 lb	171,808	160,906	158,832	156,091
Wool tops, pure	"	47,957	51,140	46,588	46,344
Yarn (including mixtures)—					
Cotton	'000 lb	46,685	55,387	59,092	59,021
Woollen	"	27,016	28,380	30,647	30,534
Wool worsted	"	26,181	23,826	23,532	21,519
Rayon and acetate—spun	"	3,685	4,583	6,218	5,970
Synthetic (non-cellulosic) fibres—spun	"	3,390	5,083	6,387	6,720
Zinc, refined(e)	tons	175,850	186,389	189,395	196,534

(a) Includes wall ovens but excludes cooking tops. (b) Upright and elevated (with oven) including wall ovens, but excluding hotplates, stovettes, etc. (c) Source: Department of Primary Industry. As from June 1964 includes double and triple superphosphate and ammonium phosphate expressed in terms of single phosphate, i.e. 22% P₂O₅ equivalent. (d) Excludes bicycle and 'other'. (e) Primary origin only—includes small quantities of zinc dust.

Individual industries

Particulars on pages 1109-36 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, 1965-66

	Portland cement	Asbestos cement sheets and mouldings	Other cement goods	Total
Number of factories	17	15	729	761
Number of persons employed	3,464	3,046	8,817	15,327
Salaries and wages paid \$'000	10,408	8,707	25,426	44,541
Value of power, fuel, etc., used \$'000	12,342	1,200	1,614	15,156
Value of materials used \$'000	21,897	14,815	93,109	129,821
Value of production \$'000	33,446	18,671	54,343	106,460
Total value of output \$'000	67,685	34,686	149,066	251,437
Value of land and buildings \$'000	15,662	8,838	21,149	45,648
Value of plant and machinery \$'000	71,158	8,443	23,611	103,212
Horse-power of engines ordinarily in use . . hp	148,149	25,686	44,552	218,387

PORTLAND CEMENT, ASBESTOS CEMENT SHEETS, ETC., AND OTHER CEMENT GOODS: AUSTRALIA(a), 1961-62 TO 1965-66

	1961-62	1962-63	1963-64	1964-65	1965-66
Number of factories	600	640	669	702	761
Number of persons employed	12,965	13,601	14,230	15,070	15,327
Salaries and wages paid \$'000	30,901	33,200	37,050	42,339	44,541
Value of power, fuel, etc., used \$'000	12,105	12,864	13,689	15,631	15,156
Value of materials used \$'000	80,987	89,399	103,035	120,439	129,821
Value of production \$'000	71,060	79,274	91,570	103,887	106,460
Total value of output \$'000	164,151	181,537	208,294	239,957	251,437
Value of land and buildings \$'000	31,544	34,019	37,465	40,555	45,648
Value of plant and machinery \$'000	70,246	74,229	76,667	87,093	103,212
Horse-power of engines ordinarily in use . . hp	156,025	162,239	170,763	206,585	218,387

(a) Prior to 1 July 1964 excludes Northern Territory and Australian Capital Territory.

BRICKS, TILES, POTTERY AND EARTHENWARE: AUSTRALIA(a), 1961-62 TO 1965-66

	1961-62	1962-63	1963-64	1964-65	1965-66
Number of factories	427	419	412	406	393
Number of persons employed	14,305	14,496	15,132	15,467	15,636
Salaries and wages paid \$'000	31,999	33,076	36,416	40,544	41,317
Value of power, fuel, etc., used \$'000	10,730	11,625	13,240	14,092	14,152
Value of materials used \$'000	16,849	17,796	21,931	26,089	27,111
Value of production \$'000	52,165	54,977	65,622	77,607	77,217
Total value of output \$'000	79,745	84,399	100,792	117,788	118,481
Value of land and buildings \$'000	26,301	31,474	35,675	38,738	41,375
Value of plant and machinery \$'000	33,549	41,964	49,165	55,320	59,146
Horse-power of engines ordinarily in use . . hp	108,491	118,673	127,124	137,727	147,103

(a) Prior to 1 July 1964 excludes Northern Territory and Australian Capital Territory.

GLASS AND GLASS BOTTLES: AUSTRALIA(a), 1961-62 TO 1965-66

	1961-62	1962-63	1963-64	1964-65	1965-66
Number of factories	248	255	263	268	271
Number of persons employed	9,651	10,510	10,382	11,391	11,402
Salaries and wages paid \$'000	21,375	23,171	24,231	28,695	30,220
Value of power, fuel, etc., used \$'000	5,394	5,575	6,485	6,425	6,155
Value of materials used \$'000	32,536	35,922	37,259	42,779	41,717
Value of production \$'000	40,424	44,479	47,454	53,704	57,636
Total value of output \$'000	78,353	85,976	91,197	102,908	105,508
Value of land and buildings \$'000	25,652	31,346	32,567	34,480	37,761
Value of plant and machinery \$'000	14,273	21,388	21,256	21,472	25,604
Horse-power of engines ordinarily in use . . hp	35,969	40,627	41,527	41,849	46,320

(a) Prior to 1 July 1964 excludes Northern Territory and Australian Capital Territory.

INDUSTRIAL AND HEAVY CHEMICALS AND ACIDS (INCLUDING EXPLOSIVES)
AUSTRALIA(a), 1961-62 TO 1965-66

	1961-62	1962-63	1963-64	1964-65	1965-66
Number of factories	308	320	325	323	326
Number of persons employed	13,746	14,165	15,075	16,511	16,668
Salaries and wages paid \$'000	35,448	37,567	42,158	49,876	52,179
Value of power, fuel, etc., used \$'000	12,029	13,304	15,627	18,249	17,847
Value of materials used \$'000	101,172	117,449	133,472	157,975	166,441
Value of production \$'000	93,255	111,600	125,599	146,062	150,135
Total value of output \$'000	206,456	242,353	274,698	322,286	334,423
Value of land and buildings \$'000	68,118	68,673	75,208	78,090	84,332
Value of plant and machinery \$'000	141,152	136,126	151,235	160,853	174,484
Horse-power of engines ordinarily in use . . hp	165,055	174,380	205,235	225,599	257,132

(a) Prior to 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.

PHARMACEUTICAL AND TOILET PREPARATIONS: AUSTRALIA(a)
1961-62 TO 1965-66

	1961-62	1962-63	1963-64	1964-65	1965-66
Number of factories	211	209	213	230	236
Number of persons employed	7,910	8,058	8,173	8,818	9,342
Salaries and wages paid \$'000	15,728	16,940	16,904	19,492	21,667
Value of power, fuel, etc., used \$'000	1,595	1,850	1,070	1,228	1,411
Value of materials used \$'000	51,171	55,176	56,454	64,061	68,577
Value of production \$'000	66,258	63,996	73,418	84,588	115,690
Total value of output \$'000	119,024	121,022	130,943	149,877	185,679
Value of land and buildings \$'000	29,088	34,175	37,474	39,739	43,294
Value of plant and machinery \$'000	11,465	12,639	13,440	14,283	16,806
Horse-power of engines ordinarily in use . . hp	20,322	22,772	21,808	24,873	27,396

(a) Prior to 1 July 1964 excludes Northern Territory and Australian Capital Territory.

The bulk of the output of the above industry comes from New South Wales and Victoria.

WHITE LEAD, PAINTS AND VARNISH: AUSTRALIA(a), 1961-62 TO 1965-66

	1961-62	1962-63	1963-64	1964-65	1965-66
Number of factories	188	184	184	196	197
Number of persons employed	5,096	5,144	5,356	5,605	5,665
Salaries and wages paid \$'000	11,338	11,659	12,845	14,297	15,153
Value of power, fuel, etc., used \$'000	809	873	876	959	969
Value of materials used \$'000	53,525	57,463	62,494	66,495	64,914
Value of production \$'000	30,934	34,634	36,674	40,196	40,605
Total value of output \$'000	85,267	92,971	100,044	107,650	106,487
Value of land and buildings \$'000	15,491	16,800	17,888	19,495	19,550
Value of plant and machinery \$'000	10,880	10,785	10,438	10,957	10,668
Horse-power of engines ordinarily in use . . hp	28,780	29,162	32,695	33,816	35,483

(a) Prior to 1 July 1964 excludes Northern Territory and Australian Capital Territory.

MINERAL OILS, EXTRACTION AND REFINING: AUSTRALIA(a), 1961-62 TO 1965-66

	1961-62	1962-63	1963-64	1964-65	1965-66
Number of factories	77	79	82	85	87
Number of persons employed	5,028	5,044	5,159	5,408	5,775
Salaries and wages paid \$'000	14,713	15,490	17,066	18,610	21,171
Value of power, fuel, etc., used \$'000	15,979	17,590	20,906	23,319	24,977
Value of materials used \$'000	272,714	287,008	297,591	314,040	325,230
Value of production \$'000	72,677	95,572	97,628	107,285	132,262
Total value of output \$'000	361,370	400,170	416,125	444,644	482,469
Value of land and buildings \$'000	39,034	40,244	42,606	42,705	45,596
Value of plant and machinery \$'000	190,949	218,387	232,193	215,046	250,672
Horse-power of engines ordinarily in use . . hp	145,383	183,935	203,325	215,339	263,226

(a) Prior to 1 July 1964 excludes Northern Territory and Australian Capital Territory.

New South Wales, Victoria, and Western Australia produce most of the refined mineral oil and by-products.

SOAP AND CANDLES: AUSTRALIA(a), 1961-62 TO 1965-66

	1961-62	1962-63	1963-64	1964-65	1965-66
Number of factories	117	117	122	118	124
Number of persons employed	3,290	3,340	3,232	3,130	3,196
Salaries and wages paid \$'000	7,135	7,542	7,679	8,265	8,596
Value of power, fuel, etc., used \$'000	841	838	832	902	844
Value of materials used \$'000	32,276	32,876	34,956	38,600	43,124
Value of production \$'000	30,005	32,754	34,610	38,205	41,389
Total value of output \$'000	63,122	66,467	70,398	77,707	85,357
Value of land and buildings \$'000	5,999	5,964	6,546	8,373	8,853
Value of plant and machinery \$'000	6,881	6,437	6,824	7,054	8,732
Horse-power of engines ordinarily in use . . hp	14,495	16,256	16,812	17,058	15,948

(a) Prior to 1 July 1964 excludes Northern Territory and Australian Capital Territory.

New South Wales and Victoria are the major centres of production in the above industry.

CHEMICAL FERTILISERS: AUSTRALIA(a), 1961-62 TO 1965-66

	1961-62	1962-63	1963-64	1964-65	1965-66
Number of factories	47	48	48	48	48
Number of persons employed	4,525	4,432	4,476	4,633	4,802
Salaries and wages paid \$'000	10,938	11,016	11,842	13,415	15,101
Value of power, fuel, etc., used \$'000	1,939	1,840	2,022	2,395	2,959
Value of materials used \$'000	55,436	59,360	65,699	77,860	93,969
Value of production \$'000	24,667	24,918	26,059	31,111	31,435
Total value of output \$'000	82,042	86,117	93,780	111,366	128,363
Value of land and buildings \$'000	12,561	12,712	14,412	16,238	16,525
Value of plant and machinery \$'000	17,468	18,761	20,739	27,167	37,618
Horse-power of engines ordinarily in use . . hp	55,089	59,188	68,689	74,467	91,221

(a) Prior to 1 July 1964 excludes Northern Territory and Australian Capital Territory.

SMELTING, CONVERTING, REFINING, AND ROLLING OF IRON AND STEEL
AUSTRALIA(a), 1961-62 TO 1965-66

	1961-62	1962-63	1963-64	1964-65	1965-66
Number of factories	34	33	30	31	32
Number of persons employed	34,504	35,605	37,094	38,469	39,146
Salaries and wages paid \$'000	88,474	95,090	120,041	115,917	121,972
Value of power, fuel, etc., used \$'000	67,905	73,547	78,955	84,413	90,637
Value of materials used \$'000	327,557	368,873	390,414	426,217	422,786
Value of production \$'000	195,306	216,504	231,902	266,937	249,795
Total value of output \$'000	590,768	658,924	701,271	777,567	763,218
Value of land and buildings \$'000	73,943	78,759	83,708	87,252	88,387
Value of plant and machinery \$'000	360,857	389,806	410,432	440,909	482,284
Horse-power of engines ordinarily in use . . hp	778,470	872,050	943,974	1,019,335	1,075,145

(a) Prior to 1 July 1964 excludes Northern Territory and Australian Capital Territory.

The greater part of the output of the above industry comes from New South Wales, with Western Australia, Victoria, and South Australia producing nearly all the remainder.

FOUNDRIES—FERROUS: AUSTRALIA(a), 1961-62 TO 1965-66

	1961-62(b)	1962-63(b)	1963-64	1964-65	1965-66
Number of factories	239	231	230	228	224
Number of persons employed	7,183	7,711	8,152	8,749	8,855
Salaries and wages paid \$'000	16,178	17,940	19,942	24,338	25,069
Value of power, fuel, etc., used \$'000	2,033	2,320	2,482	2,856	2,931
Value of materials used \$'000	14,796	17,955	20,069	23,943	23,445
Value of production \$'000	22,483	24,972	29,478	36,545	38,014
Total value of output \$'000	39,312	45,247	52,029	63,344	64,390
Value of land and buildings \$'000	10,079	10,949	12,652	13,032	12,650
Value of plant and machinery \$'000	7,157	7,460	8,574	9,124	10,076
Horse-power of engines ordinarily in use . . hp	31,506	32,752	34,581	34,711	34,919

(a) Prior to 1 July 1964 excludes Northern Territory and Australian Capital Territory. (b) Excludes Tasmania. See Other engineering, below.

Tasmanian foundry output is relatively small and details prior to 1 July 1963 are included in Other engineering.

PLANT, EQUIPMENT AND MACHINERY (INCLUDING MACHINE TOOLS)
AUSTRALIA(a), 1961-62 TO 1965-66

	1961-62(b)	1962-63(b)	1963-64	1964-65	1965-66
Number of factories	2,744	2,857	3,027	3,294	3,474
Number of persons employed	77,464	80,758	87,277	94,980	100,967
Salaries and wages paid \$'000	173,588	186,292	212,937	252,401	276,896
Value of power, fuel, etc., used \$'000	7,518	8,230	9,102	10,071	10,511
Value of materials used \$'000	296,927	334,717	389,996	449,151	480,040
Value of production \$'000	285,483	311,341	357,982	425,060	459,327
Total value of output \$'000	589,928	654,287	757,080	884,282	949,877
Value of land and buildings \$'000	148,015	162,815	178,429	199,184	221,370
Value of plant and machinery \$'000	92,355	98,263	105,786	120,380	129,838
Horse-power of engines ordinarily in use . . hp	293,577	303,606	321,550	332,041	365,776

(a) Prior to 1 July 1964 excludes Northern Territory and Australian Capital Territory. (b) Includes agricultural machines and implements, Tasmania.

OTHER ENGINEERING(a): AUSTRALIA(b), 1961-62 TO 1965-66

	1961-62(c)	1962-63(c)	1963-64	1964-65	1965-66
Number of factories	2,457	2,472	2,449	2,514	2,597
Number of persons employed	27,897	28,997	30,044	31,759	32,823
Salaries and wages paid \$'000	59,121	63,465	69,093	78,649	84,632
Value of power, fuel, etc., used \$'000	2,221	2,498	2,667	2,966	3,032
Value of materials used \$'000	71,915	82,198	91,145	104,778	109,007
Value of production \$'000	94,384	104,438	112,492	129,498	139,533
Total value of output \$'000	168,521	189,134	206,304	237,241	251,573
Value of land and buildings \$'000	52,847	56,375	58,584	64,014	69,998
Value of plant and machinery \$'000	35,180	36,600	40,194	43,800	47,871
Horse-power of engines ordinarily in use . . hp	101,245	107,735	114,317	122,086	132,552

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

EXTRACTING AND REFINING OF NON-FERROUS METALS; ALLOYS
AUSTRALIA(a), 1961-62 TO 1965-66

	1961-62	1962-63	1963-64	1964-65	1965-66
Number of factories	62	64	68	70	74
Number of persons employed	7,974	8,277	8,960	8,990	9,349
Salaries and wages paid \$'000	21,284	22,905	25,996	28,722	31,289
Value of power, fuel, etc., used \$'000	10,562	13,331	17,840	19,643	21,277
Value of materials used \$'000	143,383	194,286	235,481	274,354	325,380
Value of production \$'000	43,427	52,090	62,349	76,960	98,397
Total value of output \$'000	197,373	259,707	315,670	370,957	445,054
Value of land and buildings \$'000	23,913	28,051	37,881	40,538	41,477
Value of plant and machinery \$'000	63,899	79,506	100,851	107,294	110,421
Horse-power of engines ordinarily in use . . hp	94,081	93,482	118,723	121,473	122,444

(a) Prior to 1 July 1964 excludes Northern Territory and Australian Capital Territory.

The preceding 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).

ELECTRICAL MACHINERY, CABLES AND APPARATUS
AUSTRALIA(a), 1961-62 TO 1965-66

	1961-62	1962-63	1963-64	1964-65	1965-66
Number of factories	1,349	1,404	1,438	1,517	1,614
Number of persons employed	52,918	55,692	59,416	65,233	67,582
Salaries and wages paid \$'000	114,039	123,113	135,806	159,359	174,616
Value of power, fuel, etc., used \$'000	5,671	6,153	6,841	7,473	7,550
Value of materials used \$'000	225,474	232,140	263,668	321,409	332,239
Value of production \$'000	186,034	201,809	229,536	260,268	298,176
Total value of output \$'000	417,178	440,103	500,045	589,151	637,966
Value of land and buildings \$'000	92,016	103,325	110,908	124,575	131,455
Value of plant and machinery \$'000	55,455	57,486	62,233	68,796	75,592
Horse-power of engines ordinarily in use . hp	128,326	134,043	142,213	153,438	158,915

(a) Prior to 1 July 1964 excludes Northern Territory and Australian Capital Territory.

New South Wales factories account for almost two-thirds of the output of this industry.

TRAMCARS AND RAILWAY ROLLING STOCK(a)
AUSTRALIA(b), 1961-62 TO 1965-66

	1961-62	1962-63	1963-64	1964-65	1965-66
Number of factories	122	122	119	120	120
Number of persons employed	35,466	34,653	33,689	32,215	31,534
Salaries and wages paid \$'000	71,990	70,663	73,267	75,783	77,405
Value of power, fuel, etc., used \$'000	2,170	2,144	2,162	2,089	2,141
Value of materials used \$'000	39,248	39,371	39,622	40,785	44,280
Value of production \$'000	87,369	85,495	92,435	91,899	94,815
Total value of output \$'000	128,788	127,009	134,219	134,773	141,236
Value of land and buildings \$'000	29,307	29,357	29,372	29,353	30,254
Value of plant and machinery \$'000	35,398	37,166	38,456	39,704	39,509
Horse-power of engines ordinarily in use . hp	115,416	116,027	114,456	116,445	116,701

(a) Government and local authority only.
Australian Capital Territory.

(b) Prior to 1 July 1964 excludes Northern Territory and

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 1965-66) controlled by non-public bodies are not included in the figures above.*

MOTOR VEHICLES—CONSTRUCTION, ASSEMBLY, REPAIRS, ETC.
AUSTRALIA, 1965-66

	Construction and assembly	Repairs	Motor bodies (a)	Motor accessories	Total
Number of factories	51	11,844	2,612	350	14,857
Number of persons employed	24,381	72,708	38,039	18,414	153,542
Salaries and wages paid \$'000	69,244	146,085	94,395	46,834	356,558
Value of power, fuel, etc., used \$'000	5,267	4,605	3,993	2,999	16,864
Value of materials used \$'000	143,517	161,848	237,440	77,753	620,557
Value of production \$'000	110,537	231,695	158,649	76,455	577,335
Total value of output \$'000	259,320	398,149	400,081	157,207	1,214,755
Value of land and buildings \$'000	88,981	215,437	107,283	38,329	450,030
Value of plant and machinery \$'000	67,650	33,627	83,059	40,394	224,730
Horse-power of engines ordinarily in use . hp	114,643	89,394	110,183	78,609	392,829

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

The industries catering for the motor trade are included in Class 4, Industrial metals, machines and conveyances. In the table above a summary is given of the principal statistics for 1965-66 for each branch of industry associated with the motor trade of Australia.

In the next table similar details are shown for Australia for these industries combined, for the years 1961-62 to 1965-66. Victoria, New South Wales, and South Australia account for the bulk of the output of these industries. Most of the output of the other States and Territories is from repair work.

MOTOR VEHICLES—CONSTRUCTION, ASSEMBLY, REPAIRS, ETC.

AUSTRALIA(a), 1961-62 TO 1965-66

	1961-62	1962-63	1963-64	1964-65	1965-66
Number of factories	13,135	13,623	13,866	14,466	14,857
Number of persons employed	121,409	135,579	143,657	152,477	153,542
Salaries and wages paid \$'000	240,583	281,091	309,204	350,387	356,558
Value of power, fuel, etc., used \$'000	11,756	13,783	15,187	16,547	16,864
Value of materials used \$'000	375,093	491,384	568,697	606,171	620,557
Value of production \$'000	391,220	448,106	494,412	548,985	577,335
Total value of output \$'000	778,069	953,273	1,078,296	1,171,704	1,214,755
Value of land and buildings \$'000	290,792	321,872	352,610	413,075	450,030
Value of plant and machinery \$'000	139,287	158,471	172,256	204,133	224,730
Horse-power of engines ordinarily in use . . hp	276,293	310,518	325,925	359,693	392,829

(a) Prior to 1 July 1964 excludes Northern Territory and Australian Capital Territory.

SHIP AND BOAT BUILDING AND REPAIRING, MARINE ENGINEERING

AUSTRALIA(a), 1961-62 TO 1965-66

	1961-62	1962-63	1963-64	1964-65	1965-66
Number of factories	318	335	346	378	379
Number of persons employed	14,293	14,218	14,253	14,439	15,299
Salaries and wages paid \$'000	32,928	33,366	35,043	37,952	43,865
Value of power, fuel, etc., used \$'000	862	873	901	949	1,092
Value of materials used \$'000	23,333	28,106	31,645	28,169	31,446
Value of production \$'000	39,930	40,397	40,272	44,640	52,237
Total value of output \$'000	64,126	69,375	72,817	73,758	84,774
Value of land and buildings \$'000	12,496	13,308	13,865	15,288	18,199
Value of plant and machinery \$'000	10,681	11,258	11,745	13,324	15,914
Horse-power of engines ordinarily in use . . hp	75,568	77,691	81,291	82,891	86,120

(a) Prior to 1 July 1964 excludes Northern Territory and Australian Capital Territory.

The above table includes government factories as well as those owned privately and by municipal authorities. About half the output of this industry comes from New South Wales shipyards, with Victoria and South Australia accounting for the greater part of the balance.

AGRICULTURAL MACHINES AND IMPLEMENTS

AUSTRALIA(a), 1961-62 TO 1965-66

	1961-62(b)	1962-63(b)	1963-64	1964-65	1965-66
Number of factories	497	531	556	615	671
Number of persons employed	11,317	11,785	13,818	15,582	15,069
Salaries and wages paid \$'000	22,901	25,610	33,117	39,347	37,316
Value of power, fuel, etc., used \$'000	1,535	1,633	1,940	2,150	1,825
Value of materials used \$'000	36,487	38,912	51,440	56,044	47,228
Value of production \$'000	36,325	39,632	49,702	59,172	56,027
Total value of output \$'000	74,348	80,177	103,082	117,366	105,080
Value of land and buildings \$'000	19,173	20,132	23,064	26,783	29,071
Value of plant and machinery \$'000	10,883	11,441	13,245	15,203	17,126
Horse-power of engines ordinarily in use . . hp	41,339	43,226	46,606	47,125	51,642

(a) Prior to 1 July 1964 excludes Northern Territory and Australian Capital Territory. (b) Excludes Tasmania. See Plant, Equipment and Machinery (including Machine Tools), page 1145.

Victorian factories produce more than half the output of the above industry.

NON-FERROUS METALS—ROLLING AND EXTRUSION
AUSTRALIA(a), 1961-62 TO 1965-66

	1961-62	1962-63	1963-64	1964-65	1965-66
Number of factories	30	30	30	26	28
Number of persons employed	6,566	6,751	6,983	7,420	7,362
Salaries and wages paid \$'000	16,935	17,850	20,293	22,318	23,322
Value of power, fuel, etc., used \$'000	3,131	3,162	3,689	4,089	4,401
Value of materials used \$'000	80,243	86,981	104,550	145,175	150,456
Value of production \$'000	30,868	35,734	41,399	45,021	56,567
Total value of output \$'000	114,242	125,878	149,637	194,285	211,424
Value of land and buildings \$'000	19,545	20,022	21,531	24,035	24,468
Value of plant and machinery \$'000	34,622	39,739	45,932	61,413	63,622
Horse-power of engines ordinarily in use . hp	80,662	90,942	132,763	131,979	139,714

(a) Prior to 1 July 1964 excludes Northern Territory and Australian Capital Territory.

NON-FERROUS METALS—FOUNDING, CASTING, ETC.
AUSTRALIA(a), 1961-62 TO 1965-66

	1961-62	1962-63	1963-64	1964-65	1965-66
Number of factories	477	462	461	473	482
Number of persons employed	9,833	10,467	11,180	12,264	12,070
Salaries and wages paid \$'000	20,789	22,613	25,389	30,175	30,189
Value of power, fuel, etc., used \$'000	1,794	1,964	2,100	2,363	2,234
Value of materials used \$'000	39,872	46,702	53,556	65,581	64,246
Value of production \$'000	36,733	40,913	49,276	58,727	57,231
Total value of output \$'000	78,399	89,579	104,932	126,671	123,710
Value of land and buildings \$'000	18,677	19,654	21,150	24,104	25,679
Value of plant and machinery \$'000	13,439	14,617	15,163	16,001	18,763
Horse-power of engines ordinarily in use . hp	34,285	36,561	38,729	41,295	44,300

(a) Prior to 1 July 1964 excludes Northern Territory and Australian Capital Territory.

SHEET METAL WORKING, PRESSING AND STAMPING
AUSTRALIA(a), 1961-62 TO 1965-66

	1961-62	1962-63	1963-64	1964-65	1965-66
Number of factories	1,142	1,156	1,181	1,232	1,254
Number of persons employed	26,545	27,924	29,551	31,444	32,962
Salaries and wages paid \$'000	55,666	59,854	66,877	76,289	83,550
Value of power, fuel, etc., used \$'000	3,216	3,543	3,718	4,040	4,281
Value of materials used \$'000	132,210	139,767	156,346	185,318	193,094
Value of production \$'000	101,073	113,707	123,360	139,261	148,347
Total value of output \$'000	236,499	257,017	283,423	328,619	345,722
Value of land and buildings \$'000	55,770	59,812	65,804	69,981	74,650
Value of plant and machinery \$'000	36,108	40,461	44,779	46,213	50,336
Horse-power of engines ordinarily in use . hp	79,963	84,487	89,116	94,436	101,694

(a) Prior to 1 July 1964 excludes Northern Territory and Australian Capital Territory.

PIPES, TUBES AND FITTINGS—FERROUS: AUSTRALIA(a), 1961-62 TO 1965-66

	1961-62	1962-63	1963-64	1964-65	1965-66
Number of factories	62	58	58	56	58
Number of persons employed	8,272	8,784	9,138	9,627	9,630
Salaries and wages paid	\$'000 20,243	22,394	24,495	28,329	28,950
Value of power, fuel, etc., used	\$'000 2,577	3,213	3,425	3,315	3,228
Value of materials used	\$'000 51,756	54,775	60,047	71,829	67,589
Value of production	\$'000 37,782	38,751	45,258	54,241	53,865
Total value of output	\$'000 92,115	96,738	108,730	129,384	124,682
Value of land and buildings	\$'000 14,689	17,593	17,921	17,697	18,330
Value of plant and machinery	\$'000 15,483	19,579	22,330	21,114	20,851
Horse-power of engines ordinarily in use	hp 47,547	56,219	60,447	67,991	67,410

(a) Prior to 1 July 1964 excludes Northern Territory and Australian Capital Territory.

New South Wales, South Australia, and Victoria produce most of the output of the above industry.

WIRE AND WIRE WORKING (INCLUDING NAILS)
AUSTRALIA(a), 1961-62 TO 1965-66

	1961-62	1962-63	1963-64	1964-65	1965-66
Number of factories	283	289	298	305	313
Number of persons employed	9,804	10,377	10,433	10,776	10,901
Salaries and wages paid	\$'000 21,229	23,820	24,959	27,599	28,045
Value of power, fuel, etc., used	\$'000 1,762	1,888	2,033	2,131	2,132
Value of materials used	\$'000 69,936	80,581	92,097	102,344	95,994
Value of production	\$'000 38,722	43,909	46,710	53,102	53,799
Total value of output	\$'000 110,420	126,379	140,840	157,577	151,924
Value of land and buildings	\$'000 19,570	21,200	21,743	24,365	28,858
Value of plant and machinery	\$'000 13,988	16,168	15,770	17,384	20,634
Horse-power of engines ordinarily in use	hp 39,010	43,818	42,624	44,154	51,303

(a) Prior to 1 July 1964 excludes Northern Territory and Australian Capital Territory.

New South Wales and Victoria predominate in this industry.

WIRELESS AND AMPLIFYING APPARATUS: AUSTRALIA(a), 1961-62 TO 1965-66

	1961-62	1962-63	1963-64	1964-65	1965-66
Number of factories	327	330	355	391	406
Number of persons employed	14,707	16,586	16,907	18,359	17,683
Salaries and wages paid	\$'000 29,204	33,240	35,772	40,265	39,812
Value of power, fuel, etc., used	\$'000 1,171	1,315	1,321	1,355	1,388
Value of materials used	\$'000 71,990	78,940	78,847	84,546	78,849
Value of production	\$'000 47,173	54,437	56,834	63,333	65,150
Total value of output	\$'000 120,334	134,692	137,002	149,233	145,387
Value of land and buildings	\$'000 23,129	24,104	23,883	25,865	28,000
Value of plant and machinery	\$'000 12,893	13,266	12,888	12,854	13,027
Horse-power of engines ordinarily in use	hp 15,353	15,216	14,720	15,316	16,038

(a) Prior to 1 July 1964 excludes Northern Territory and Australian Capital Territory.

The above industry is confined mainly to New South Wales, Victoria and South Australia.

COTTON SPINNING AND WEAVING: AUSTRALIA(a), 1961-62 TO 1965-66

	1961-62	1962-63	1963-64	1964-65	1965-66
Number of factories	88	88	85	80	78
Number of persons employed	8,980	9,313	9,869	10,270	10,110
Salaries and wages paid \$'000	16,490	17,262	19,187	21,447	22,060
Value of power, fuel, etc., used \$'000	2,066	2,267	2,549	2,545	2,622
Value of materials used \$'000	38,323	41,635	46,619	48,512	47,840
Value of production \$'000	29,654	33,521	38,193	42,554	43,401
Total value of output \$'000	70,043	77,423	87,362	93,611	93,863
Value of land and buildings \$'000	25,818	28,860	32,264	29,966	24,424
Value of plant and machinery \$'000	21,611	24,382	24,402	23,434	22,776
Horse-power of engines ordinarily in use . . hp	40,592	41,581	43,752	42,422	42,007

(a) Prior to 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 1965-66) from the United States of America, Mexico, Uganda, Brazil, Pakistan, and Peru.

WOOL CARDING, SPINNING AND WEAVING: AUSTRALIA(a), 1961-62 TO 1965-66

	1961-62	1962-63	1963-64	1964-65	1965-66
Number of factories	134	134	129	131	124
Number of persons employed	20,102	21,131	20,061	20,397	19,642
Salaries and wages paid \$'000	34,162	36,461	35,477	38,778	38,289
Value of power, fuel, etc., used \$'000	2,913	3,014	2,873	2,942	2,995
Value of materials used \$'000	86,245	97,027	107,378	103,138	99,743
Value of production \$'000	53,186	58,652	55,799	59,103	57,684
Total value of output \$'000	142,344	158,693	166,051	165,183	160,422
Value of land and buildings \$'000	21,823	23,150	23,326	24,210	25,654
Value of plant and machinery \$'000	26,470	27,440	26,550	29,550	29,090
Horse-power of engines ordinarily in use . . hp	70,610	71,354	71,318	71,180	68,341

(a) Prior to 1 July 1964 excludes Northern Territory and Australian Capital Territory.

Victoria produces more than half the output of this industry.

HOSIERY AND OTHER KNITTED GOODS: AUSTRALIA(a), 1961-62 TO 1965-66

	1961-62	1962-63	1963-64	1964-65	1965-66
Number of factories	658	625	607	602	592
Number of persons employed	23,403	24,627	25,471	25,593	25,559
Salaries and wages paid \$'000	36,990	40,646	42,834	46,267	48,343
Value of power, fuel, etc., used \$'000	1,589	1,614	1,691	1,753	1,829
Value of materials used \$'000	83,545	92,517	98,422	107,819	108,939
Value of production \$'000	71,896	76,180	83,674	91,207	93,348
Total value of output \$'000	157,030	170,311	183,788	200,778	204,115
Value of land and buildings \$'000	30,458	31,499	32,685	34,218	37,029
Value of plant and machinery \$'000	21,222	22,753	24,370	25,996	29,793
Horse-power of engines ordinarily in use . . hp	23,250	23,106	24,344	25,344	26,872

(a) Prior to 1 July 1964 excludes Northern Territory and Australian Capital Territory.

Victorian mills produce about three-quarters of the Australian output of knitted goods, most of the balance being produced in New South Wales.

RAYON, ACRYLICS AND OTHER SYNTHETIC FIBRES
AUSTRALIA(a), 1961-62 TO 1965-66

	1961-62	1962-63	1963-64	1964-65	1965-66
Number of factories	44	45	43	38	40
Number of persons employed	3,947	4,329	4,527	4,104	4,562
Salaries and wages paid \$'000	7,866	9,079	9,825	9,212	10,329
Value of power, fuel, etc., used \$'000	1,033	1,143	1,236	1,192	1,338
Value of materials used \$'000	19,768	25,733	27,483	27,561	32,065
Value of production \$'000	13,646	16,089	18,191	19,161	20,957
Total value of output \$'000	34,446	42,965	46,910	47,914	54,359
Value of land and buildings \$'000	7,350	8,596	8,711	7,854	8,737
Value of plant and machinery \$'000	7,956	9,141	8,688	7,255	10,137
Horse-power of engines ordinarily in use . . hp	13,632	14,202	14,279	25,981	27,861

(a) Prior to 1 July 1964 excludes Northern Territory and Australian Capital Territory.

Victoria produces nearly two-thirds of the total Australian output of synthetic fibre textiles, most of the balance being produced in New South Wales.

ROPE AND CORDAGE: AUSTRALIA(a), 1961-62 TO 1965-66

	1961-62	1962-63	1963-64	1964-65	1965-66
Number of factories	26	26	25	25	25
Number of persons employed	2,146	2,307	2,404	2,462	2,247
Salaries and wages paid \$'000	4,379	4,861	5,118	5,873	5,435
Value of power, fuel, etc., used \$'000	346	369	396	425	362
Value of materials used \$'000	8,480	9,590	11,911	13,409	10,510
Value of production \$'000	8,244	9,504	9,577	11,008	9,261
Total value of output \$'000	17,070	19,463	21,884	24,841	20,133
Value of land and buildings \$'000	5,403	5,508	5,492	5,642	5,686
Value of plant and machinery \$'000	3,437	3,568	3,600	3,885	3,916
Horse-power of engines ordinarily in use . . hp	15,153	15,240	15,407	13,032	16,557

(a) Prior to 1 July 1964 excludes Northern Territory and Australian Capital Territory.

Most of the production takes place in New South Wales and Victoria.

WOOLSCOURING AND FELLMONGERY: AUSTRALIA(a), 1961-62 TO 1965-66

	1961-62	1962-63	1963-64	1964-65	1965-66
Number of factories	58	56	54	56	53
Number of persons employed	2,803	2,842	2,570	2,387	2,340
Salaries and wages paid \$'000	6,307	6,594	6,152	6,389	6,420
Value of power, fuel, etc., used \$'000	1,170	1,238	1,212	1,205	1,195
Value of materials used \$'000	28,062	31,928	35,621	31,404	28,789
Value of production \$'000	8,866	9,271	8,545	8,929	8,879
Total value of output \$'000	38,098	42,437	45,378	41,538	38,863
Value of land and buildings \$'000	4,801	5,687	6,082	6,558	6,408
Value of plant and machinery \$'000	2,722	3,069	2,993	3,383	3,110
Horse-power of engines ordinarily in use . . hp	16,779	17,344	18,089	17,939	16,715

(a) Prior to 1 July 1964 excludes Northern Territory and Australian Capital Territory.

Most of the production from the above industry comes from South Australia, Victoria and New South Wales.

TANNING, CURRYING AND LEATHER DRESSING
AUSTRALIA(a), 1961-62 TO 1965-66

	1961-62	1962-63	1963-64	1964-65	1965-66
Number of factories	108	102	102	102	102
Number of persons employed	4,159	4,215	4,298	4,277	4,012
Salaries and wages paid \$'000	9,224	9,473	9,910	10,828	10,242
Value of power, fuel, etc., used \$'000	977	1,001	1,021	1,045	988
Value of materials used \$'000	28,560	25,156	23,881	23,785	26,134
Value of production \$'000	14,785	16,228	17,165	16,576	16,323
Total value of output \$'000	44,321	42,386	42,066	41,407	43,445
Value of land and buildings \$'000	7,074	7,329	8,205	8,295	8,096
Value of plant and machinery \$'000	4,483	4,531	4,761	5,138	5,232
Horse-power of engines ordinarily in use . . hp	31,278	27,398	29,598	30,199	31,518

(a) Prior to 1 July 1964 excludes Northern Territory and Australian Capital Territory.

New South Wales, Victorian and Queensland factories produce most of the output of the above industry.

**LEATHER GOODS (INCLUDING SADDLERY AND BELTING)
AUSTRALIA(a), 1961-62 TO 1965-66**

	1961-62	1962-63	1963-64	1964-65	1965-66
Number of factories	392	386	383	378	374
Number of persons employed	4,315	4,519	4,646	4,677	4,719
Salaries and wages paid \$'000	6,553	6,950	7,260	7,877	8,245
Value of power, fuel, etc., used \$'000	133	148	161	141	144
Value of materials used \$'000	12,064	13,151	14,083	15,190	16,277
Value of production \$'000	11,356	12,336	12,854	14,259	15,173
Total value of output \$'000	23,554	25,635	27,097	29,590	31,593
Value of land and buildings \$'000	6,383	6,885	7,238	7,934	9,146
Value of plant and machinery \$'000	1,690	1,484	1,572	1,542	1,741
Horse-power of engines ordinarily in use . . hp	3,155	3,387	3,715	3,001	3,635

(a) Prior to 1 July 1964 excludes Northern Territory and Australian Capital Territory.

As with other industries of this class, New South Wales and Victorian factories dominate this industry.

TAILORING AND READY-MADE CLOTHING: AUSTRALIA(a), 1961-62 TO 1965-66

	1961-62	1962-63	1963-64	1964-65	1965-66
Number of factories	1,839	1,847	1,892	1,879	1,805
Number of persons employed	32,496	33,234	34,188	35,092	35,529
Salaries and wages paid \$'000	46,099	48,543	51,126	55,926	58,884
Value of power, fuel, etc., used \$'000	1,000	1,026	1,059	1,089	1,104
Value of materials used \$'000	82,170	88,153	92,343	100,238	103,389
Value of production \$'000	75,170	80,043	86,803	95,711	102,855
Total value of output \$'000	158,340	169,223	180,206	197,037	207,348
Value of land and buildings \$'000	32,378	35,586	38,214	41,397	43,810
Value of plant and machinery \$'000	6,902	7,032	7,406	8,255	8,819
Horse-power of engines ordinarily in use . . hp	12,618	12,939	13,348	13,515	14,293

(a) Prior to 1 July 1964 excludes Northern Territory and Australian Capital Territory.

New South Wales and Victorian factories account for more than 90 per cent of the output of this industry.

DRESSMAKING AND MILLINERY: AUSTRALIA(a), 1961-62 TO 1965-66

	1961-62	1962-63	1963-64	1964-65	1965-66
Number of factories	1,183	1,189	1,124	1,146	1,181
Number of persons employed	14,466	15,093	14,930	15,041	15,618
Salaries and wages paid \$'000	18,943	20,373	21,188	22,577	24,387
Value of power, fuel, etc., used \$'000	390	420	439	447	486
Value of materials used \$'000	24,076	26,055	28,285	29,595	29,478
Value of production \$'000	30,345	33,394	34,240	36,771	38,837
Total value of output \$'000	54,811	59,869	62,964	66,812	68,801
Value of land and buildings \$'000	17,322	18,231	19,232	21,018	22,980
Value of plant and machinery \$'000	2,166	2,365	2,742	2,813	3,136
Horse-power of engines ordinarily in use . . hp	4,543	4,831	4,955	5,628	6,141

(a) Prior to 1 July 1964 excludes Northern Territory and Australian Capital Territory.

About two-thirds of the total Australian output comes from Victorian establishments.

SHIRTS, COLLARS AND UNDERCLOTHING: AUSTRALIA(a), 1961-62 TO 1965-66

	1961-62	1962-63	1963-64	1964-65	1965-66
Number of factories	353	351	329	337	333
Number of persons employed	12,276	13,304	13,271	13,823	14,719
Salaries and wages paid \$'000	16,484	17,967	18,312	20,725	23,525
Value of power, fuel, etc., used \$'000	313	333	335	362	386
Value of materials used \$'000	31,276	32,606	34,453	35,748	36,120
Value of production \$'000	26,552	29,113	29,720	32,602	37,289
Total value of output \$'000	58,141	62,050	64,507	68,712	73,795
Value of land and buildings \$'000	9,135	10,328	11,086	12,209	13,493
Value of plant and machinery \$'000	2,689	2,705	2,942	3,469	3,818
Horse-power of engines ordinarily in use . . hp	5,529	5,649	5,928	6,188	6,557

(a) Prior to 1 July 1964 excludes Northern Territory and Australian Capital Territory.

Victorian and New South Wales factories produce most of the output of the above industry.

FOUNDATION GARMENTS: AUSTRALIA(a), 1961-62 TO 1965-66

	1961-62	1962-63	1963-64	1964-65	1965-66
Number of factories	66	64	62	64	65
Number of persons employed	3,981	4,012	3,948	4,176	4,492
Salaries and wages paid \$'000	5,345	5,569	5,616	6,457	6,969
Value of power, fuel, etc., used \$'000	99	102	104	105	112
Value of materials used \$'000	11,559	11,628	13,057	14,658	15,739
Value of production \$'000	10,705	10,931	12,428	13,994	14,909
Total value of output \$'000	22,352	22,661	25,589	28,757	30,760
Value of land and buildings \$'000	4,011	4,595	4,918	5,411	5,227
Value of plant and machinery \$'000	1,068	1,380	1,414	1,665	1,762
Horse-power of engines ordinarily in use . . hp	2,023	1,987	2,082	2,353	2,336

(a) Prior to 1 July 1964 excludes Northern Territory and Australian Capital Territory.

BOOTS AND SHOES: AUSTRALIA(a), 1961-62 TO 1965-66

	1961-62(b)	1962-63(b)	1963-64	1964-65	1965-66
Number of factories	447	439	393	398	394
Number of persons employed	20,084	20,502	21,030	20,779	20,072
Salaries and wages paid \$'000	33,436	34,898	36,459	38,372	37,507
Value of power, fuel, etc., used \$'000	655	656	686	724	743
Value of materials used \$'000	59,991	61,165	63,347	63,931	60,849
Value of production \$'000	53,693	54,821	58,342	58,738	61,523
Total value of output \$'000	114,339	116,642	122,375	123,393	123,114
Value of land and buildings \$'000	13,426	14,238	16,243	17,057	18,229
Value of plant and machinery \$'000	10,768	14,097	16,077	18,805	19,258
Horse-power of engines ordinarily in use . . hp	14,805	15,351	15,594	15,394	16,117

(a) Prior to 1 July 1964 excludes Northern Territory and Australian Capital Territory. (b) Includes details of Boot and shoe repairing in Tasmania.

The table above refers to boot and shoe factories as distinct from those devoted to repairing, except in Tasmania, where it has been necessary to include details of boot and shoe repairing, in order to avoid disclosure of confidential information for that State. Factories engaged in the manufacture of sand-shoes, goloshes and gum, etc., boots of rubber are not included here, but are classified under Rubber Goods, see page 1159. About two-thirds of the output of boots and shoes is produced in Victoria.

FLOUR-MILLING: AUSTRALIA(a), 1961-62 TO 1965-66

	1961-62	1962-63	1963-64	1964-65	1965-66
Number of factories	125	118	114	108	107
Number of persons employed	4,405	4,219	4,512	4,253	4,152
Salaries and wages paid \$'000	9,929	9,680	10,560	10,736	10,934
Value of power, fuel, etc., used \$'000	1,902	1,873	2,028	1,964	1,880
Value of materials used \$'000	123,862	120,792	132,713	124,974	122,433
Value of production \$'000	23,456	23,910	27,962	29,210	30,184
Total value of output \$'000	149,220	146,575	162,703	156,148	154,497
Value of land and buildings \$'000	14,227	15,769	18,024	17,615	18,272
Value of plant and machinery \$'000	10,922	11,696	13,065	13,069	13,506
Horse-power of engines ordinarily in use . . hp	48,586	47,393	54,256	54,450	56,970

(a) Prior to 1 July 1964 excludes Northern Territory and Australian Capital Territory.

OTHER GRAIN MILLS: AUSTRALIA(a), 1961-62 TO 1965-66

	1961-62	1962-63	1963-64	1964-65	1965-66
Number of factories	242	244	254	271	269
Number of persons employed	5,106	5,289	5,322	5,774	5,979
Salaries and wages paid \$'000	10,423	10,954	11,495	13,116	14,586
Value of power, fuel, etc., used \$'000	2,100	2,164	2,227	2,383	2,609
Value of materials used \$'000	65,589	69,965	77,155	93,800	106,972
Value of production \$'000	29,445	32,399	35,718	41,504	45,401
Total value of output \$'000	97,134	104,528	115,100	137,687	154,983
Value of land and buildings \$'000	12,467	13,959	15,464	16,885	18,694
Value of plant and machinery \$'000	13,653	14,821	15,178	17,772	18,400
Horse-power of engines ordinarily in use . . hp	48,674	51,610	53,849	59,279	63,835

(a) Prior to 1 July 1964 excludes Northern Territory and Australian Capital Territory.

BAKERIES (INCLUDING CAKES AND PASTRY): AUSTRALIA(a), 1961-62 TO 1965-66

	1961-62	1962-63	1963-64	1964-65	1965-66
Number of factories	3,855	3,779	3,689	3,681	3,580
Number of persons employed	20,566	21,061	21,627	22,447	22,950
Salaries and wages paid \$'000	31,899	33,708	36,163	40,162	42,875
Value of power, fuel, etc., used \$'000	5,338	5,479	5,635	5,904	6,075
Value of materials used \$'000	97,754	100,009	104,820	113,476	118,707
Value of production \$'000	77,063	83,058	86,550	93,901	108,346
Total value of output \$'000	180,155	188,546	197,005	213,280	233,128
Value of land and buildings \$'000	55,076	58,474	61,898	67,902	71,946
Value of plant and machinery \$'000	33,783	37,407	37,903	40,277	40,473
Horse-power of engines ordinarily in use . . hp	35,934	37,589	40,175	43,209	44,947

(a) Prior to 1 July 1964 excludes Northern Territory and Australian Capital Territory.

The table above 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.

BISCUITS: AUSTRALIA(a), 1961-62 TO 1965-66

	1961-62	1962-63	1963-64	1964-65	1965-66
Number of factories	53	52	53	53	56
Number of persons employed	6,092	6,199	6,262	6,474	6,716
Salaries and wages paid \$'000	10,903	11,237	11,696	13,159	13,677
Value of power, fuel, etc., used \$'000	1,106	1,145	1,171	1,242	1,317
Value of materials used \$'000	25,448	26,052	27,483	29,714	32,546
Value of production \$'000	20,670	20,960	21,628	24,910	26,368
Total value of output \$'000	47,224	48,157	50,281	55,867	60,231
Value of land and buildings \$'000	10,531	11,411	11,278	12,926	14,404
Value of plant and machinery \$'000	8,341	8,462	8,868	8,422	10,180
Horse-power of engines ordinarily in use . . hp	14,017	13,443	16,381	16,791	17,395

(a) Prior to 1 July 1964 excludes Northern Territory and Australian Capital Territory.

Three-quarters of the output of biscuits comes from New South Wales and Victoria.

SUGAR-MILLS: NEW SOUTH WALES AND QUEENSLAND, 1961-62 TO 1965-66

	1961-62	1962-63	1963-64	1964-65	1965-66
New South Wales—					
Number of factories	3	3	3	3	3
Number of persons employed	219	261	247	283	328
Queensland—					
Number of factories	31	31	31	31	31
Number of persons employed	6,053	6,387	6,981	7,924	7,008

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 1965-66 there were two sugar refineries in Queensland and one each in New South Wales, Victoria, South Australia, and Western Australia.

CONFECTIONERY: AUSTRALIA(a), 1961-62 TO 1965-66

	1961-62	1962-63	1963-64	1964-65	1965-66
Number of factories	197	189	189	187	180
Number of persons employed	7,987	8,015	8,156	8,301	8,590
Salaries and wages paid \$'000	14,277	14,555	15,185	16,685	18,037
Value of power, fuel, etc., used \$'000	1,451	1,542	1,596	1,613	1,653
Value of materials used \$'000	44,955	46,426	49,470	53,864	53,414
Value of production \$'000	29,660	31,604	32,371	33,984	38,303
Total value of output \$'000	76,065	79,572	83,437	89,461	93,371
Value of land and buildings \$'000	15,269	17,264	17,459	18,334	20,232
Value of plant and machinery \$'000	15,270	16,954	17,780	19,095	19,776
Horse-power of engines ordinarily in use . . hp	38,948	42,665	43,165	41,806	43,790

(a) Prior to 1 July 1964 excludes Northern Territory and Australian Capital Territory.

New South Wales, Victoria and Tasmania produce most of the output of the above industry.

**JAM, FRUIT AND VEGETABLE CANNING, PICKLES, SAUCES, VINEGAR
AUSTRALIA(a), 1961-62 TO 1965-66**

	1961-62	1962-63	1963-64	1964-65	1965-66
Number of factories	172	170	167	161	160
Number of persons employed	12,092	11,897	12,397	12,672	13,573
Salaries and wages paid \$'000	23,652	24,152	25,961	29,281	31,989
Value of power, fuel, etc., used \$'000	2,401	2,412	2,609	2,868	3,167
Value of materials used \$'000	101,634	95,297	103,551	116,182	134,813
Value of production \$'000	55,805	55,764	60,924	66,754	74,873
Total value of output \$'000	159,841	153,473	167,084	185,805	212,852
Value of land and buildings \$'000	28,838	29,840	32,105	34,415	39,166
Value of plant and machinery \$'000	24,471	26,458	30,011	33,473	40,649
Horse-power of engines ordinarily in use . hp	45,852	48,574	53,024	54,139	59,306

(a) Prior to 1 July 1964 excludes Northern Territory and Australian Capital Territory.

BACON-CURING: AUSTRALIA(a), 1961-62 TO 1965-66

	1961-62	1962-63	1963-64	1964-65	1965-66
Number of factories	83	87	85	79	81
Number of persons employed	4,482	4,675	4,865	5,098	5,419
Salaries and wages paid \$'000	8,831	9,315	9,924	11,101	12,371
Value of power, fuel, etc., used \$'000	985	1,042	1,113	1,151	1,198
Value of materials used \$'000	54,190	61,989	67,841	74,997	80,060
Value of production \$'000	19,050	19,563	19,155	22,982	29,124
Total value of output \$'000	74,226	82,595	88,109	99,129	110,381
Value of land and buildings \$'000	8,045	8,546	8,750	8,997	9,894
Value of plant and machinery \$'000	4,958	5,455	5,919	6,190	6,951
Horse-power of engines ordinarily in use . hp	17,537	18,236	18,152	18,396	20,141

(a) Prior to 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.

**BUTTER, CHEESE AND CONDENSED AND PROCESSED MILK
AUSTRALIA(a), 1961-62 TO 1965-66**

	1961-62	1962-63	1963-64	1964-65	1965-66
Number of factories	353	348	347	344	337
Number of persons employed	11,317	11,320	11,510	11,505	11,454
Salaries and wages paid \$'000	24,476	24,883	26,314	27,680	28,810
Value of power, fuel, etc., used \$'000	5,863	5,961	6,138	6,364	6,500
Value of materials used \$'000	223,850	226,691	244,587	261,066	262,486
Value of production \$'000	51,586	52,424	59,236	65,028	67,970
Total value of output \$'000	281,299	285,077	309,961	332,458	336,949
Value of land and buildings \$'000	30,554	31,032	31,534	34,544	38,681
Value of plant and machinery \$'000	35,443	37,797	39,361	40,445	46,398
Horse-power of engines ordinarily in use . hp	114,643	118,087	120,084	120,208	127,837

(a) Prior to 1 July 1964 excludes Northern Territory and Australian Capital Territory.

Victoria produces more than half the total Australian output of the industry. The butter, cheese and condensed milk industries are dealt with more fully in the chapter Rural Industry.

MEAT AND FISH PRESERVING: AUSTRALIA(a), 1961-62 TO 1965-66

	1961-62	1962-63	1963-64	1964-65	1965-66
Number of factories	149	159	164	173	175
Number of persons employed	9,491	10,032	10,161	10,225	10,659
Salaries and wages paid \$'000	21,048	21,917	22,923	24,993	26,916
Value of power, fuel, etc., used \$'000	2,623	2,854	3,147	3,318	3,527
Value of materials used \$'000	133,621	142,070	158,668	178,508	200,506
Value of production \$'000	37,687	38,266	43,539	46,456	55,209
Total value of output \$'000	173,931	183,190	205,353	228,283	259,243
Value of land and buildings \$'000	20,859	20,624	21,013	26,840	28,050
Value of plant and machinery \$'000	14,163	15,447	15,162	19,587	21,633
Horse-power of engines ordinarily in use . hp	49,253	53,652	56,424	54,214	60,346

(a) Prior to 1 July 1964 excludes Northern Territory and Australian Capital Territory.

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

CONDIMENTS, COFFEE, SPICES: AUSTRALIA(a), 1961-62 TO 1965-66

	1961-62	1962-63	1963-64	1964-65	1965-66
Number of factories	258	260	238	239	237
Number of persons employed	4,463	5,283	5,218	5,166	5,431
Salaries and wages paid \$'000	7,714	9,805	9,975	9,983	11,669
Value of power, fuel, etc., used \$'000	597	685	743	754	867
Value of materials used \$'000	39,469	43,940	45,737	48,805	54,706
Value of production \$'000	21,211	27,558	27,506	29,459	33,534
Total value of output \$'000	61,278	72,183	73,986	79,018	89,108
Value of land and buildings \$'000	15,284	18,519	18,766	21,091	23,165
Value of plant and machinery \$'000	7,143	8,330	7,956	10,099	11,827
Horse-power of engines ordinarily in use . . hp	14,625	16,811	17,088	18,590	19,500

(a) Prior to 1 July 1964 excludes Northern Territory and Australian Capital Territory.

BREWERIES: AUSTRALIA(a), 1961-62 TO 1965-66

	1961-62	1962-63	1963-64	1964-65	1965-66
Number of factories	25	24	24	26	26
Number of persons employed	5,512	5,741	5,744	5,885	5,943
Salaries and wages paid \$'000	13,756	14,001	14,753	15,946	16,997
Value of power, fuel, etc., used \$'000	3,062	3,118	3,140	3,160	3,365
Value of materials used \$'000	51,496	54,311	59,967	64,746	65,255
Value of production \$'000	43,113	45,609	48,355	51,878	53,509
Total value of output(b) \$'000	97,671	103,638	111,463	119,784	122,130
Value of land and buildings \$'000	27,148	29,681	30,121	31,363	32,400
Value of plant and machinery \$'000	31,250	30,005	30,733	32,442	33,129
Horse-power of engines ordinarily in use . . hp	50,083	50,237	53,765	56,549	62,045

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

AERATED WATERS AND CORDIALS: AUSTRALIA(a), 1961-62 TO 1965-66

	1961-62	1962-63	1963-64	1964-65	1965-66
Number of factories	535	525	509	503	495
Number of persons employed	4,960	5,190	5,193	5,303	5,717
Salaries and wages paid \$'000	8,660	9,054	9,434	10,415	11,940
Value of power, fuel, etc., used \$'000	808	879	936	1,020	1,062
Value of materials used \$'000	25,543	28,053	30,985	35,693	41,257
Value of production \$'000	23,985	26,691	27,473	31,758	33,305
Total value of output \$'000	50,335	55,629	59,395	68,471	75,624
Value of land and buildings \$'000	15,670	17,251	19,027	19,770	20,473
Value of plant and machinery \$'000	11,403	11,991	12,688	13,031	14,152
Horse-power of engines ordinarily in use . . hp	16,350	17,116	17,610	18,713	20,190

(a) Prior to 1 July 1964 excludes Northern Territory and Australian Capital Territory.

WINERIES AND DISTILLERIES: AUSTRALIA(a), 1961-62 TO 1965-66

	1961-62	1962-63	1963-64	1964-65	1965-66
Number of factories	153	161	169	170	177
Number of persons employed	2,111	2,084	2,204	2,344	2,408
Salaries and wages paid \$'000	4,136	4,100	4,458	5,057	5,587
Value of power, fuel, etc., used \$'000	810	772	798	907	893
Value of materials used \$'000	19,535	18,271	21,431	23,988	23,377
Value of production \$'000	9,728	9,468	11,874	15,815	15,137
Total value of output \$'000	30,072	28,511	34,103	40,711	39,408
Value of land and buildings \$'000	6,081	6,588	7,285	8,015	8,956
Value of plant and machinery \$'000	6,660	7,429	7,789	8,370	8,832
Horse-power of engines ordinarily in use . . hp	16,676	17,601	17,942	18,807	19,265

(a) Prior to 1 July 1964 excludes Northern Territory and Australian Capital Territory.

South Australia is the principal wine-producing State, and produces more than half the Australian output. Most of the remainder comes from New South Wales and Victoria.

TOBACCO, CIGARS AND CIGARETTES: AUSTRALIA(a), 1961-62 TO 1965-66

	1961-62	1962-63	1963-64	1964-65	1965-66
Number of factories	18	18	15	15	16
Number of persons employed	4,914	4,671	4,498	4,670	4,843
Salaries and wages paid \$'000	10,564	10,277	10,898	11,513	11,878
Value of power, fuel, etc., used \$'000	468	512	508	547	615
Value of materials used \$'000	77,136	78,592	78,380	81,280	77,434
Value of production \$'000	38,982	40,377	45,233	52,482	57,426
Total value of output(b) \$'000	116,585	119,481	124,121	134,308	135,474
Value of land and buildings \$'000	8,613	9,280	10,003	10,424	12,448
Value of plant and machinery \$'000	13,719	14,187	13,784	14,104	15,231
Horse-power of engines ordinarily in use . . hp	11,203	12,033	11,955	12,596	13,188

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

There are no such factories in South Australia, Tasmania, Northern Territory, and Australian Capital Territory, and Queensland and Western Australian production is relatively small.

ICE-CREAM: AUSTRALIA(a), 1961-62 TO 1965-66

	1961-62	1962-63	1963-64	1964-65	1965-66
Number of factories	55	54	53	54	56
Number of persons employed	2,237	2,295	2,518	2,639	2,687
Salaries and wages paid \$'000	4,383	4,791	5,429	6,019	6,587
Value of power, fuel, etc., used \$'000	825	905	1,040	1,106	1,214
Value of materials used \$'000	14,324	15,273	17,097	19,301	23,510
Value of production \$'000	11,972	11,676	13,903	15,636	16,790
Total value of output \$'000	27,121	27,854	32,040	36,043	41,514
Value of land and buildings \$'000	7,185	9,654	11,297	13,486	13,993
Value of plant and machinery \$'000	7,500	13,468	15,260	12,702	12,722
Horse-power of engines ordinarily in use . . hp	16,071	18,468	20,562	21,415	24,360

(a) Prior to 1 July 1964 excludes Northern Territory and Australian Capital Territory.

SAWMILLS AND PLYWOOD AND VENEER MILLS
AUSTRALIA(a), 1961-62 TO 1965-66

	1961-62	1962-63	1963-64	1964-65	1965-66
Number of factories	2,585	2,514	2,421	2,353	2,335
Number of persons employed	32,382	31,993	32,202	32,271	33,104
Salaries and wages paid \$'000	59,631	60,217	63,119	67,479	71,910
Value of power, fuel, etc., used \$'000	5,196	5,258	5,325	5,552	5,658
Value of materials used \$'000	143,356	146,066	156,464	166,841	169,627
Value of production \$'000	106,984	106,431	115,903	128,319	133,222
Total value of output \$'000	255,535	257,755	277,691	300,713	308,507
Value of land and buildings \$'000	36,028	37,590	39,004	40,967	45,254
Value of plant and machinery \$'000	40,444	40,573	40,111	41,964	44,677
Horse-power of engines ordinarily in use . . hp	417,084	428,421	437,807	433,626	453,625

(a) Prior to 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 above table, together with plywood and veneer mills. The figures exclude particulars of a small number of itinerant and travelling sawmills.

JOINERY: AUSTRALIA(a), 1961-62 TO 1965-66

	1961-62	1962-63	1963-64	1964-65	1965-66
Number of factories	2,256	2,247	2,239	2,320	2,329
Number of persons employed	17,239	17,509	17,594	18,597	18,954
Salaries and wages paid \$'000	34,051	35,340	36,705	40,956	43,172
Value of power, fuel, etc., used \$'000	919	965	969	1,062	1,089
Value of materials used \$'000	63,174	64,092	70,156	78,939	81,768
Value of production \$'000	53,423	55,761	59,291	67,506	69,344
Total value of output \$'000	117,517	120,818	130,416	147,507	152,201
Value of land and buildings \$'000	28,673	30,543	32,757	37,356	40,473
Value of plant and machinery \$'000	10,096	10,200	10,811	11,352	12,036
Horse-power of engines ordinarily in use . . hp	86,240	89,459	89,578	93,636	96,683

(a) Prior to 1 July 1964 excludes Northern Territory and Australian Capital Territory.

**CABINET AND FURNITURE MAKING AND UPHOLSTERY
AUSTRALIA(a), 1961-62 TO 1965-66**

	1961-62	1962-63	1963-64	1964-65	1965-66
Number of factories	1,617	1,625	1,638	1,639	1,624
Number of persons employed	15,132	15,726	15,948	16,361	16,630
Salaries and wages paid \$'000	28,166	29,395	30,874	34,047	36,254
Value of power, fuel, etc., used \$'000	736	776	830	869	914
Value of materials used \$'000	53,110	56,241	61,061	67,330	67,146
Value of production \$'000	46,096	48,738	52,312	58,816	63,298
Total value of output \$'000	99,942	105,755	114,204	127,014	131,359
Value of land and buildings \$'000	27,246	29,309	30,906	34,730	37,032
Value of plant and machinery \$'000	6,316	6,982	7,716	8,029	8,839
Horse-power of engines ordinarily in use . hp	46,000	45,641	46,599	47,136	52,932

(a) Prior to 1 July 1964 excludes Northern Territory and Australian Capital Territory.

These industries constitute the principal manufactures in Class 11.

**GOVERNMENT AND GENERAL PRINTING WORKS
AUSTRALIA(a), 1961-62 TO 1965-66**

	1961-62	1962-63	1963-64	1964-65	1965-66
Number of factories	1,706	1,738	1,780	1,875	1,904
Number of persons employed	29,936	30,614	31,637	33,222	34,747
Salaries and wages paid \$'000	61,826	64,592	69,623	78,133	85,444
Value of power, fuel, etc., used \$'000	1,884	2,058	2,227	2,504	2,761
Value of materials used \$'000	74,945	82,395	89,280	98,703	105,269
Value of production \$'000	110,134	117,270	124,881	138,981	153,535
Total value of output \$'000	186,963	201,723	216,388	240,188	261,564
Value of land and buildings \$'000	59,364	61,046	67,550	79,610	84,829
Value of plant and machinery \$'000	47,418	50,504	54,510	60,855	65,295
Horse-power of engines ordinarily in use . hp	50,129	52,182	54,491	58,731	61,942

(a) Prior to 1 July 1964 excludes Northern Territory and Australian Capital Territory.

The establishments covered in the table above include those engaged in lithographic printing, bookbinding, paper ruling, and linotyping, and Government printing works.

NEWSPAPERS AND PERIODICALS: AUSTRALIA(a), 1961-62 TO 1965-66

	1961-62	1962-63	1963-64	1964-65	1965-66
Number of factories	421	415	411	413	407
Number of persons employed	15,491	15,500	16,052	17,287	17,476
Salaries and wages paid \$'000	37,748	38,140	40,225	46,120	48,516
Value of power, fuel, etc., used \$'000	1,352	1,392	1,481	1,587	1,646
Value of materials used \$'000	55,634	58,353	61,446	66,240	67,181
Value of production \$'000	69,088	70,385	74,132	83,292	88,401
Total value of output \$'000	126,074	129,930	137,059	151,119	157,228
Value of land and buildings \$'000	33,236	34,396	39,053	42,958	45,093
Value of plant and machinery \$'000	31,438	32,400	37,403	42,588	44,263
Horse-power of engines ordinarily in use . hp	45,776	44,094	44,029	48,021	49,985

(a) Prior to 1 July 1964 excludes Northern Territory and Australian Capital Territory.

MANUFACTURED STATIONERY: AUSTRALIA(a), 1961-62 TO 1965-66

	1961-62	1962-63	1963-64	1964-65	1965-66
Number of factories	153	150	148	142	144
Number of persons employed	5,221	5,436	5,563	5,870	6,134
Salaries and wages paid \$'000	10,262	10,946	11,746	13,077	14,445
Value of power, fuel, etc., used \$'000	450	465	524	560	561
Value of materials used \$'000	30,328	33,299	37,028	39,289	41,283
Value of production \$'000	25,290	26,818	30,272	34,597	38,655
Total value of output \$'000	56,068	60,582	67,824	74,457	80,499
Value of land and buildings \$'000	12,843	14,329	14,645	15,496	17,384
Value of plant and machinery \$'000	8,793	10,274	10,774	10,706	12,261
Horse-power of engines ordinarily in use . hp	10,853	10,936	11,955	12,625	13,554

(a) Prior to 1 July 1964 excludes Northern Territory and Australian Capital Territory.

New South Wales and Victoria produce about 90 per cent of the output of this industry.

CARDBOARD BOXES, CARTONS AND CONTAINERS, AND PAPER BAGS
AUSTRALIA(a), 1961-62 TO 1965-66

	1961-62	1962-63	1963-64	1964-65	1965-66
Number of factories	239	243	254	250	252
Number of persons employed	10,133	10,832	11,501	12,158	12,839
Salaries and wages paid \$'000	20,432	22,236	24,543	28,027	30,121
Value of power, fuel, etc., used \$'000	892	965	1,045	1,191	1,266
Value of materials used \$'000	71,375	79,851	87,003	97,553	104,210
Value of production \$'000	44,824	48,202	53,695	60,615	64,843
Total value of output \$'000	117,090	129,018	141,743	159,359	170,319
Value of land and buildings \$'000	22,886	27,081	30,764	38,002	41,304
Value of plant and machinery \$'000	21,847	25,083	26,268	29,899	32,100
Horse-power of engines ordinarily in use . . hp	22,961	26,217	28,154	31,661	34,834

(a) Prior to 1 July 1964 excludes Northern Territory and Australian Capital Territory.

PAPER MAKING, INCLUDING PULP MILLS: AUSTRALIA(a), 1961-62 TO 1965-66

	1961-62	1962-63	1963-64	1964-65	1965-66
Number of factories	23	24	26	25	25
Number of persons employed	8,147	8,678	9,205	9,411	9,782
Salaries and wages paid \$'000	22,437	24,694	28,011	31,000	32,780
Value of power, fuel, etc., used \$'000	8,219	9,305	9,944	10,763	11,589
Value of materials used \$'000	53,010	59,800	66,555	76,704	81,786
Value of production \$'000	52,911	60,409	66,195	74,466	75,050
Total value of output \$'000	114,140	129,514	142,695	161,932	168,425
Value of land and buildings \$'000	31,809	34,336	34,310	35,915	44,985
Value of plant and machinery \$'000	67,470	73,911	73,352	78,842	92,452
Horse-power of engines ordinarily in use . . hp	215,927	256,291	256,769	270,526	286,522

(a) Prior to 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 commenced in 1938-39 that any marked development occurred. The number of factories operating in 1965-66 comprised four in New South Wales, eleven in Victoria, two in Queensland, two in South Australia, two in Western Australia, and four in Tasmania. In Tasmania, newsprint, writing and printing papers are 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.

RUBBER GOODS: AUSTRALIA(a), 1961-62 TO 1965-66

	1961-62	1962-63	1963-64	1964-65	1965-66
Number of factories	114	117	119	120	125
Number of persons employed	13,993	15,702	16,944	17,414	17,071
Salaries and wages paid \$'000	31,439	37,482	41,181	46,199	46,082
Value of power, fuel, etc., used \$'000	4,562	5,112	5,354	5,419	5,563
Value of materials used \$'000	71,884	86,020	93,452	101,143	99,857
Value of production \$'000	52,447	61,433	67,037	69,095	70,289
Total value of output \$'000	128,893	152,565	165,843	175,658	175,709
Value of land and buildings \$'000	18,979	20,687	32,160	33,002	38,682
Value of plant and machinery \$'000	20,613	23,196	30,688	34,864	47,304
Horse-power of engines ordinarily in use . . hp	134,428	140,956	151,918	163,700	181,284

(a) Prior to 1 July 1964 excludes Northern Territory and Australian Capital Territory.

Victorian and New South Wales factories produce about 90 per cent of the output of this industry.

TYRE RETREADING AND REPAIRING: AUSTRALIA(a), 1961-62 TO 1965-66

	1961-62	1962-63	1963-64	1964-65	1965-66
Number of factories	536	542	555	585	586
Number of persons employed	3,181	3,214	3,317	3,399	3,345
Salaries and wages paid \$'000	6,122	6,434	6,823	7,412	7,856
Value of power, fuel, etc., used \$'000	887	897	930	967	988
Value of materials used \$'000	13,784	14,505	15,903	18,107	18,579
Value of production \$'000	16,128	16,889	18,667	19,961	19,919
Total value of output \$'000	30,799	32,291	35,500	39,035	39,485
Value of land and buildings \$'000	14,771	16,721	18,434	19,319	20,114
Value of plant and machinery \$'000	5,536	5,359	5,844	6,344	6,890
Horse-power of engines ordinarily in use . . hp	13,079	13,865	14,406	15,681	16,191

(a) Prior to 1 July 1964 excludes Northern Territory and Australian Capital Territory.

PLASTIC MOULDING AND PRODUCTS: AUSTRALIA(a), 1961-62 TO 1965-66

	1961-62	1962-63	1963-64	1964-65	1965-66
Number of factories	421	430	440	485	505
Number of persons employed	10,496	11,801	12,668	14,157	14,517
Salaries and wages paid \$'000	21,302	25,083	27,905	33,770	35,426
Value of power, fuel, etc., used \$'000	1,932	2,257	2,530	2,985	3,170
Value of materials used \$'000	48,520	57,598	63,489	75,722	76,957
Value of production \$'000	41,834	48,499	57,641	66,818	68,464
Total value of output \$'000	92,287	108,354	123,660	145,526	148,591
Value of land and buildings \$'000	20,111	23,321	25,485	29,954	34,174
Value of plant and machinery \$'000	21,210	25,397	28,965	32,843	36,559
Horse-power of engines ordinarily in use . . hp	47,083	54,576	58,759	66,918	75,451

(a) Prior to 1 July 1964 excludes Northern Territory and Australian Capital Territory.

ELECTRIC LIGHT AND POWER WORKS: AUSTRALIA(a), 1961-62 TO 1965-66

	1961-62	1962-63	1963-64	1964-65	1965-66
Number of factories	285	275	269	258	253
Number of persons employed	12,441	12,272	12,162	12,457	12,600
Salaries and wages paid \$'000	31,832	32,007	31,235	36,283	38,879
Value of power, fuel, etc., used \$'000	83,361	81,642	85,708	88,590	94,151
Value of materials used \$'000	10,574	10,386	11,492	16,139	17,348
Value of production \$'000	157,069	179,113	194,019	206,233	220,237
Total value of output \$'000	251,003	271,141	291,219	310,962	331,736
Value of land and buildings \$'000	490,779	499,901	497,126	537,430	583,801
Value of plant and machinery \$'000	583,073	613,244	622,087	652,376	713,015
Generators installed—kilowatt capacity '000kW	7,215	7,499	7,583	8,498	9,396

(a) Prior to 1 July 1964 excludes Northern Territory and Australian Capital Territory.

Further information on this subject is continued 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 1124.

GAS-WORKS: AUSTRALIA(a), 1961-62 TO 1965-66

	1961-62	1962-63	1963-64	1964-65	1965-66
Number of factories	85	87	87	89	87
Number of persons employed	3,674	3,561	3,449	3,272	3,055
Salaries and wages paid \$'000	9,260	9,288	9,157	9,200	9,325
Value of power, fuel, etc., used \$'000	6,156	5,710	5,627	5,538	5,186
Value of materials used \$'000	28,360	26,651	26,586	26,708	27,349
Value of production \$'000	28,108	31,740	33,289	35,018	34,089
Total value of output \$'000	62,624	64,100	65,502	67,263	66,624
Value of land and buildings \$'000	15,036	15,072	15,327	16,134	16,393
Value of plant and machinery \$'000	59,691	54,382	60,559	63,697	65,864
Horse-power of engines ordinarily in use . . hp	52,037	58,989	56,803	58,702	59,127

(a) Prior to 1 July 1964 excludes Northern Territory and Australian Capital Territory.