

MANUFACTURING INDUSTRIES

1963-64

NO. 9. MOTOR VEHICLES AND CYCLES

COMMONWEALTH BUREAU OF CENSUS AND STATISTICS, CANBERRA
AUSTRALIA

EXPLANATORY NOTES

GENERAL. The range of bulletins in this series for 1963-64 is the same as for 1962-63. A complete list of the series is shown inside the back cover.

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

CLASSIFICATION OF FACTORIES. For purposes of industry classification, factories are classified according to the nature of their products. Where two or more distinct types of industrial activity are carried on in one establishment, a separate return is obtained, wherever practicable, for each activity, in order to allow classification on this basis. In cases where this is not practicable, factories are classified according to predominant activity. These cases are encountered most frequently in the Metal Trades (e.g. General Engineering firms also producing Agricultural Implements or Stoves, etc.), and to a lesser degree in factories concerned with Skins, Leather, Clothing and Wood products.

Each of the summaries in the "Manufacturing Industries" series relates, generally, to the operations of factories classified to the industry specified. This is also true for figures for individual materials used but figures for individual articles produced represent total recorded production of the articles listed, and include quantities produced, as subsidiary production, in industries otherwise classified.

BASIS OF THE STATISTICS. The scope of the factory statistics is fully explained in the annual Secondary Industries Bulletin, Part I - Factory and Building Operations.

Briefly, a "factory" is defined as an establishment in which four or more persons are employed or where power (other than manual) is used in any manufacturing process. The figures do not include details relating to small establishments not classified for statistical purposes as factories.

All persons employed in the manufacturing activities of the factory are counted as factory employees. The figures relating to employment, therefore, include working proprietors as well as "out-workers", but exclude all those engaged in selling and distribution, such as salesmen, travellers, collectors, carters engaged solely on outward delivery of manufactured goods, and retailing storemen.

The value of materials used includes the value, in the usual sense, of the materials used, stores used, containers, tools replaced and materials used in repairs to plant. In general, it does not include the value of customers' articles or materials repaired, assembled or treated by the factory.

The value of power, fuel, etc. used includes the cost of light, lubricants and water used.

The value of output is the selling value at the factory (exclusive of all delivery costs and charges and excise duties, but inclusive of bounty and subsidy payments to the manufacturer of the finished article) of all goods made during the year. In addition, it includes the value of other work done, such as repair work, assembling and making-up for customers.

The value of production is the value added to raw materials by the process of manufacture. It is calculated by deducting from the value of factory output the value (at the factory) of the materials used, containers and packing, power, fuel and light used, tools replaced and materials used in repairs to plant (but not depreciation charges). The value of production is the source from which, in addition to wages and salaries, such items as interest, depreciation, profits, taxation, advertising and other sundry charges are met. As details of these other costs of production are not collected, the amounts of profit resulting from factory operations cannot be ascertained from the figures contained herein.

MANUFACTURING INDUSTRIES : AUSTRALIA, 1963-64MOTOR VEHICLES AND CYCLES

1. GENERAL. The industries covered by this Bulletin are:- (i) Construction and Assembly of Motor Vehicles; (ii) Motor Vehicle repairs; (iii) Motor Body Building (including repairing); (iv) Motor Accessories; (v) Cycles (foot and hand-driven) and Accessories.

2. SUMMARY OF STATISTICS. The following table gives a summary of the principal statistics for each industry, separately and combined for the years 1959-60 to 1963-64.

TABLE 1. - MOTOR VEHICLES AND CYCLES : AUSTRALIA

Year	Factories (1)	Persons Employed (a)(2)	Salaries and Wages Paid (b)(3)	Power, Fuel and Light etc. used (c)(4)	Value of Materials etc. Used (d)(5)	Value of Production (e)(6)	Value of Output (f)(7)
	No.	No.	£'000	£'000	£'000	£'000	£'000

(i) CONSTRUCTION AND ASSEMBLY OF MOTOR VEHICLES

1959-60	57	21,758	25,266	1,718	52,387	43,887	97,992
1960-61	51	22,155	26,434	2,016	58,112	45,950	106,078
1961-62	49	19,026	23,253	1,948	51,847	42,029	95,824
1962-63	45	22,693	28,954	2,274	68,105	47,526	117,905
1963-64	43	24,311	32,323	2,520	75,580	54,804	132,904

(ii) MOTOR VEHICLE REPAIRS

1959-60	9,898	60,297	47,986	1,531	51,279	74,848	127,658
1960-61	10,355	62,055	51,990	1,658	56,326	80,291	138,275
1961-62	10,635	62,786	54,204	1,787	58,127	85,049	144,963
1962-63	11,076	65,857	57,526	1,901	63,015	91,849	156,766
1963-64	11,224	68,141	62,088	2,008	68,847	99,814	170,669

(iii) MOTOR BODIES

1959-60	1,859	27,899	29,670	1,169	57,018	43,216	101,403
1960-61	2,068	29,210	31,034	1,245	65,699	45,708	112,653
1961-62	2,151	27,324	29,545	1,183	57,695	43,962	102,840
1962-63	2,199	30,948	35,918	1,483	85,209	53,567	140,259
1963-64	2,291	33,812	39,773	1,734	105,516	58,249	165,499

(iv) MOTOR ACCESSORIES

1959-60	275	10,277	10,927	705	15,243	20,309	36,257
1960-61	283	13,854	14,928	974	21,640	26,051	48,665
1961-62	300	12,273	13,280	959	19,878	24,570	45,407
1962-63	303	16,081	16,147	1,234	29,362	31,111	61,707
1963-64	308	17,393	20,416	1,332	34,405	34,339	70,076

(v) CYCLES FOOT AND HAND-DRIVEN AND ACCESSORIES

1959-60	149	543	355	20	1,191	597	1,808
1960-61	138	514	342	19	778	665	1,462
1961-62	137	461	325	18	691	572	1,271
1962-63	137	477	329	18	739	639	1,396
1963-64	130	478	352	19	758	739	1,516

TOTAL MOTOR VEHICLES AND CYCLES

1959-60	12,238	120,774	114,204	5,143	177,118	182,857	365,118
1960-61	12,895	127,788	124,728	5,912	202,555	198,665	407,133
1961-62	13,272	121,870	120,617	5,895	188,228	196,182	390,305
1962-63	13,760	136,056	140,874	5,910	246,431	224,692	478,033
1963-64	13,996	144,135	154,954	7,613	285,106	247,945	540,664

(a) Average over whole year; includes Working Proprietors. (b) Excludes amounts drawn by Working Proprietors. (c) Includes Water and Lubricating Oil. (d) Includes also value of containers, packing, etc., replacement of tools and repairs to plant. (e) Value of Production equals column (7) less total of columns (4) and (5). (f) Value at the factory of goods produced and amounts received for work done.

In the next table details for the industries comprising the Motor Vehicles and Cycles Industry are shown separately for the year 1963-64.

TABLE 2. - MOTOR VEHICLES AND CYCLES : AUSTRALIA, 1963-64

Particulars *	N.S.W.	VIC.	Q'LD.	S.A.	W.A.	TAS.	AUSTRALIA
(i) CONSTRUCTION AND ASSEMBLY OF MOTOR VEHICLES							
	No. 9	No. 16	No. 5	No. 7	No. 5	No. 1	No. 43
Factories							
Persons Employed - Males	5,665	14,624	(a)	451	(a)	(a)	22,864
Females	406	907	(a)	27	(a)	(a)	1,447
TOTAL	6,071	15,531	(a)	478	(a)	(a)	24,311
	£'000	£'000	£'000	£'000	£'000	£'000	£'000
Salaries and Wages paid	7,528	21,765	(a)	569	(a)	(a)	32,323
Value of -							
Power, Fuel and Light used	464	1,891	(a)	24	(a)	(a)	2,520
Materials etc. used	30,223	40,407	(a)	295	(a)	(a)	75,580
Production	11,388	38,404	(a)	1,002	(a)	(a)	54,804
Output	42,075	80,702	(a)	1,321	(a)	(a)	132,904
Land and Buildings (b)	6,252	24,686	(a)	473	(a)	(a)	32,985
Plant and Machinery (b)	4,080	19,225	(a)	29	(a)	(a)	23,990
	H.P.	H.P.	H.P.	H.P.	H.P.	H.P.	H.P.
Rated H.P. of Engines ordinarily in use	17,926	63,429	(a)	1,377	(a)	(a)	90,106

(ii) MOTOR VEHICLE REPAIRS

	No.	No.	No.	No.	No.	No.	No.
Factories	4,618	2,641	1,239	1,355	1,036	335	11,224
Persons Employed - Males	23,745	17,568	7,654	6,441	5,502	1,865	62,775
Females	1,849	1,620	811	717	267	102	5,366
TOTAL	25,594	19,188	8,465	7,158	5,769	1,967	68,141
	£'000	£'000	£'000	£'000	£'000	£'000	£'000
Salaries and Wages paid	24,218	17,767	7,125	6,029	5,214	1,735	62,088
Value of -							
Power, Fuel and Light used	828	580	231	176	142	51	2,008
Materials etc. used	26,175	17,908	8,816	7,525	6,525	1,898	68,847
Production	38,952	27,933	11,616	9,863	8,592	2,848	99,814
Output	65,965	46,421	20,663	17,564	15,259	4,797	170,669
Land and Buildings (b)	38,015	29,400	7,340	8,654	6,162	2,683	92,254
Plant and Machinery (b)	5,309	4,523	1,945	1,774	1,489	450	15,490
	H.P.	H.P.	H.P.	H.P.	H.P.	H.P.	H.P.
Rated H.P. of Engines ordinarily in use	27,566	20,490	11,933	9,045	9,004	2,292	80,322

(iii) MOTOR BODIES

	No.	No.	No.	No.	No.	No.	No.
Factories	884	551	268	295	241	52	2,291
Persons Employed - Males	6,545	7,750	1,861	13,964	1,548	464	32,142
Females	381	410	142	662	64	11	1,670
TOTAL	6,926	8,170	2,003	14,626	1,612	475	33,812
	£'000	£'000	£'000	£'000	£'000	£'000	£'000
Salaries and Wages paid	6,954	9,708	1,710	19,670	1,304	427	39,773
Value of -							
Power, Fuel and Light used	256	477	36	928	30	7	1,734
Materials etc. used	26,143	13,311	3,240	60,178	2,154	490	105,516
Production	15,496	12,184	3,055	24,431	2,397	686	58,249
Output	41,895	25,972	6,331	85,537	4,581	1,183	165,499
Land and Buildings (b)	8,257	11,628	1,754	11,901	1,416	607	35,563
Plant and Machinery (b)	2,386	11,161	318	16,235	215	44	30,359
	H.P.	H.P.	H.P.	H.P.	H.P.	H.P.	H.P.
Rated H.P. of Engines ordinarily in use	12,630	20,926	2,131	53,476	1,883	366	91,412

For footnotes see next page.

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TABLE 2. - MOTOR VEHICLES AND CYCLES : AUSTRALIA 1963-64 - (continued)

Particulars *	N.S.W.	VIC.	Q'LD.	S.A.	W.A.	TAS.	AUSTRALIA
(iv) MOTOR ACCESSORIES							
Factories	No. 108	No. 106	No. 28	No. 47	No. 16	No. 3	No. 308
Persons Employed - Males	4,721	5,642	235	1,259	103	181	12,141
Females	1,594	3,137	103	328	9	81	5,252
TOTAL	6,315	8,779	338	1,587	112	262	17,393
	£'000	£'000	£'000	£'000	£'000	£'000	£'000
Salaries and Wages Paid	7,833	10,143	282	1,758	98	304	20,418
Value of -							
Power, Fuel and Light used	537	650	12	103	8	22	1,332
Materials etc. used	12,537	18,062	472	2,922	160	252	34,405
Production	13,980	15,681	508	3,030	203	937	34,339
Output	27,054	34,393	992	6,055	371	1,211	70,076
Land and Buildings (b)	6,618	7,176	254	1,095	158	202	15,503
Plant and Machinery (b)	6,416	8,750	76	833	24	190	16,289
	H.P.	H.P.	H.P.	H.P.	H.P.	H.P.	H.P.
Rated H.P. of Engines ordinarily in use	25,024	31,604	549	5,856	220	832	64,085

(v) CYCLES (FOOT AND HAND-DRIVEN) AND ACCESSORIES

	No.	No.	No.	No.	No.	No.	No.
Factories	34	35	11	31	17	2	130
Persons Employed - Males	126	127	(a)	83	56	(a)	435
Females	13	10	(a)	12	4	(a)	43
TOTAL	139	137	(a)	95	60	(a)	478
	£'000	£'000	£'000	£'000	£'000	£'000	£'000
Salaries and Wages Paid	101	112	(a)	61	44	(a)	352
Value of -							
Power, Fuel and Light used	7	4	(a)	4	2	(a)	19
Materials etc. used	261	202	(a)	116	67	(a)	758
Production	187	259	(a)	144	76	(a)	739
Output	455	465	(a)	264	145	(a)	1,516
Land and Buildings (b)	253	207	(a)	105	66	(a)	708
Plant and Machinery (b)	20	15	(a)	15	8	(a)	63
	H.P.	H.P.	H.P.	H.P.	H.P.	H.P.	H.P.
Rated H.P. of Engines ordinarily in use	172	126	(a)	206	131	(a)	680

(a) Not available for publication; included in total for Australia.

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

* See also footnotes to Table No. 1, page 3.

3. **AVERAGE SALARIES, OUTPUT AND PRODUCTION.** Particulars for the combined group - Motor Vehicles and Cycles - of average salaries and wages paid together with the average values of output and production per person engaged and the ratio of salaries and wages to the value of production are shown in the following table for the years 1959-60 to 1963-64.

TABLE 3. - MOTOR VEHICLES AND CYCLES : AVERAGE OF SALARIES AND WAGES PAID, OUTPUT, ETC., PER EMPLOYEE, AUSTRALIA

Year	Salaries and Wages per Employee (a)	Value of Output per Person Engaged (b)	Value of Production per Person Engaged (b)	Ratio of Salaries and Wages to Value of Production
	£	£	£	%
1959-60	1,031	3,023	1,514	62.69
1960-61	1,063	3,186	1,555	62.78
1961-62	1,082	3,203	1,610	61.48
1962-63	1,125	3,514	1,651	62.70
1963-64	1,161	3,751	1,720	62.50

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

(b) Includes Working Proprietors.

4. ARTICLES PRODUCED. The following two tables show particulars of the principal articles produced during the years 1962-63 and 1963-64. In addition to production in factories classified for statistical purposes to the Motor Vehicles and Cycles Industry the details shown in the two tables following include also small quantities produced in factories otherwise classified. (See Explanatory Notes - Classification of Factories).

TABLE 4. - CONSTRUCTION AND ASSEMBLY OF MOTOR CHASSIS, MOTOR BODIES AND CYCLES: AUSTRALIA

Particulars	Commodity Code	1962-63	1963-64
MOTOR VEHICLES - CHASSIS ASSEMBLED			
Chassis - Passenger Car, Station Wagons, Estate Cars -		No.	No.
Mainly from Australian Components	581.62	224,544	226,727
Mainly from Imported Components	581.52	80,125	106,322
Commercial Vehicles, Payload under 1 ton -			
Mainly from Australian Components	582.62	28,380	31,141
Mainly from Imported Components	582.52	12,756	13,347
Commercial Vehicles, Payload 1 ton and over	582.71,76	19,700	23,176
Trailer and Caravan	589.01	3,651	3,344

MOTOR VEHICLES - BODY BUILDING AND/OR ASSEMBLING			
Made, Built or Assembled Wholly or Mainly from		No.	No.
<u>Australian made Panels or other Materials -</u>			
Car Bodies (incl. Station Wagons and Estate Cars)	583.06,16,19,26	219,545	220,093
Utility Bodies (New) (a) - Load Capacity -			
Up to and incl. 10 cwt.	583.33	24,718	27,857
Over 10 cwt. on Car and Truck Chassis	583.37,41	810	602
Van Bodies - Load Capacity -			
Up to and incl. 3 tons	583.52,56	7,595	8,023
Over 3 tons	583.59	269	309
Truck Cabs (b)	583.63	6,746	9,149
Truck Bodies Chassis Mounted - Trays	583.71	7,680	9,437
Tippers	583.73	2,584	3,601
Tankers	583.75	101	81
Transit Concrete Mixers	583.77	162	385
Other	583.79	115	239
Passenger Buses	583.83,87	821	913
Caravans - Complete	584.01,03	5,232	7,525
Shells and Pre-cut Kits	584.07	230	206
Other	583.99	39	115
<u>Built or Assembled Wholly or Mainly from Panels</u>			
<u>imported from Overseas -</u>			
Car Bodies (incl. Station Wagons and Estate Cars)	583.01,18,21	79,973	102,914
Utility Bodies	583.31,35,39	2,325	1,375
Van Bodies	583.51,55,58	4,666	5,331
Truck Cabs (b)	583.61	12,283	13,746
Passenger Buses	583.81,85	541	611

TRAILERS AND ASSOCIATED ARTICLES			
Semi-Trailers - Flat Top	584.11	1,047	1,279
Tankers	584.12	104	135
Vans	584.13	80	108
Tippers	584.14	147	206
Low Loaders	584.16	77	63
Other (incl. Buses)	584.19	12	23
Trailers - Two Wheel - Box Type	584.32	3,492	3,748
Other - Agricultural use	584.36	1,048	1,199
Highway use	584.38	227	325
Boat	584.34	2,154	3,840
Four Wheel - Agricultural use	584.41	659	911
Highway use	584.43	357	483
Timber Jinkers	584.51	25	43
Lift on Containers - Refrigerated and Other	589.71,73	2,337	2,924
Stock Crates - For Trucks	589.75	446	448
For Trailers and Semi-Trailers	589.77	357	425

CYCLES (d)			
Complete Cycles Assembled or packed ready for assembly	611.01	52,860	55,423
Complete Cycles Assembled on Commission	611.01	6,308	6,901

(a) Excludes conversions or any other work done on old vehicles. (b) Cabins made as individual units and those added to chassis. (c) Not available. (d) Value of Cycle Parts and Accessories (Commodity Code No. 611.09) made in 1962-63 and 1963-64 amounted to £190,267 and £180,889 respectively.

TABLE 5. - MOTOR ACCESSORIES PRODUCED : AUSTRALIA

Item	Commodity Code	1960-61	1961-62	1962-63	1963-64
		No.	No.	No.	No.
Cylinder Sleeves and Liners	585.11.13	130,140	79,865	110,792	104,527
Pistons ..	585.31	1,826,918	1,786,188	2,377,147	2,332,287
Piston-rings ..	585.35	14,346,263	11,989,085	13,744,120	14,770,592
Bumpers and Bumperettes	589.21	268,242	213,455	315,818	347,525
Radiators - Cores and Assembly	589.41.42	335,812	302,831	375,056	504,170
Shock Absorbers ..	589.51	1,376,286	1,224,100	1,730,619	1,843,407
Spark-plugs ..	689.01	10,888,598	8,903,093	11,726,912	12,566,833
		£	£	£	£
Springs (a) - Laminated	467.04	2,968,849	2,576,390	3,063,177	3,431,011
Other	467.08	4,756,199	4,465,383	5,249,373	5,139,858

5. MOTOR VEHICLE REGISTRATIONS. The following table furnishes particulars of motor vehicle registrations in Australia for each of the years 1959-60 to 1963-64 together with preliminary figures for 1964-65.

TABLE 6. - MOTOR VEHICLE REGISTRATIONS : AUSTRALIA

(Excluding Defence Service Vehicles)

Period	No. of Motor Vehicles on Register at end of period			No. of New Motor Vehicles Registered during period		
	Motor Cars and Station Wagons (a)	Other Motor Vehicles (b)	Motor Cycles (c)	Motor Cars and Station Wagons	Other Motor Vehicles	Motor Cycles (c)
1959-60	1,921,637	778,074	102,208	224,055	68,949	9,689
1960-61	2,071,515	802,848	94,130	223,142	59,169	7,879
1961-62	2,203,311	817,143	86,430	215,926	52,121	5,314
1962-63	2,385,113	835,618	78,559	284,926	60,057	5,446
1963-64	2,598,272	852,312	71,970	329,338	70,776	5,481
1964-65	(d)	(d)	(d)	347,490	73,513	7,470

(a) Includes ambulances and hearses. (b) Includes utilities, panel vans, trucks and omnibuses. (c) Includes motor scooters. (d) Not yet available.

6. EMPLOYMENT. The numbers of persons employed shown in Tables 1, 2 and 8 have been adjusted to represent the average employment over the whole year in those cases where short time was worked. In the following table the factories have been classified according to the average number employed during the actual period worked in each of the years 1959-60 to 1963-64.

TABLE 7. - MOTOR VEHICLES AND CYCLES : FACTORIES ACCORDING TO PERSONS EMPLOYED,

AUSTRALIA

Number of Persons Employed in each Factory	1959-60		1960-61		1961-62		1962-63		1963-64	
	No. of Factories	No. Employed	No. of Factories	No. Employed	No. of Factories	No. Employed	No. of Factories	No. Employed	No. of Factories	No. Employed
Under 4	6,516	12,717	7,078	13,747	7,349	14,103	7,630	14,711	7,684	14,715
4	1,303	5,212	1,284	5,136	1,351	5,404	1,347	5,388	1,366	5,464
5 to 10	2,814	18,939	2,894	19,586	2,912	19,527	3,026	20,268	3,084	20,827
11 to 20	994	14,269	972	13,921	985	14,183	1,021	14,661	1,064	15,182
21 to 50	402	12,269	438	13,237	446	13,449	502	15,279	543	16,575
51 to 100	118	8,278	131	9,139	134	9,354	129	9,012	148	10,281
101 to 200	47	6,539	44	6,015	47	6,790	47	6,820	49	7,135
201 to 300	15	3,460	21	4,777	17	3,888	23	5,516	19	4,698
301 to 400	5	1,782	5	1,675	6	1,688	6	2,106	7	2,375
401 to 1000	13	8,180	17	11,135	16	9,974	17	10,737	18	11,121
1001 and over	11	29,892	11	30,412	9	24,255	12	32,129	14	36,232
TOTAL:	12,238	121,537	12,895	128,780	13,272	122,615	13,760	136,627	13,996	144,605
Average Number Employed per Factory	10		10		9		10		10	

Details of employment in each of the industries - Motor Vehicles - Construction and Assembly, Repairs, Motor Body Building, Motor Accessories and Cycles and Cycle Accessories are furnished in the next three tables. In Table 8 the numbers of persons employed are classified according to occupational status in each of the industries for the year 1963-64.

TABLE 8. - MOTOR VEHICLES AND CYCLES : PERSONS EMPLOYED, ACCORDING TO OCCUPATIONAL STATUS, AUSTRALIA, 1963-64

Occupational Status	Construction and Assembly	Motor Vehicle Repairs	Motor Body Building	Motor Accessories; Cycles and Accessories	Total
MALES -					
Working Proprietors	..	7,629	2,026	205	9,860
Managerial and Clerical Staff including Salaried Managers and Working Directors	2,715	4,731	2,143	1,940	11,529
Chemists, Draftsmen and Other Laboratory and Research Staff	430	6	670	413	1,519
Foremen and Overseers, Workers in Factory (Skilled and Unskilled), Carters (excluding Delivery only), Messengers, and Persons Working Regularly at Home	19,719	50,409	27,303	10,018	107,449
(Males	22,864	62,775	32,142	12,576	130,357
(Females	1,447	5,366	1,670	5,295	13,778
TOTAL (Persons	24,311	68,141	33,812	17,871	144,135

In the following table the numbers of persons employed in June, 1964, in each of the Motor Vehicle industries, are shown according to age and sex distribution. For comparative purposes, similar details are given in total in Table 10 for the years 1960 to 1964.

TABLE 9. - MOTOR VEHICLES AND CYCLES : PERSONS EMPLOYED ACCORDING TO AGE AND SEX, AUSTRALIA, JUNE, 1964
(Excluding Working Proprietors)

Sex and Age	Motor Vehicles				Cycles and Cycle Accessories
	Construction and Assembly	Repairs	Motor Body Building	Motor Accessories	
Males -					
Under 16 years	13	913	385	78	22
16 years and under					
21 years	933	12,150	3,672	1,121	71
21 years and over	23,703	42,878	27,137	11,574	256
Total Males	24,649	55,941	31,194	12,773	349
Females -					
Under 16 years	5	108	18	14	1
16 years and under					
21 years	224	1,794	345	532	7
21 years and over	1,302	2,869	1,223	5,163	27
Total Females	1,531	4,771	1,586	5,709	35
TOTAL PERSONS	26,180	60,712	32,780	18,482	384

TABLE 10. - MOTOR VEHICLES AND CYCLES : PERSONS EMPLOYED ACCORDING TO AGE AND SEX

AUSTRALIA

(Excluding Working Proprietors)

Last Pay day in June	Under 16 Years	16 to 20 Years	21 Years and over	Total all Ages
MALES				
1960	1,183	13,949	89,921	105,053
1961	1,331	13,859	84,146	99,336
1962	1,299	14,516	91,448	107,263
1963	1,382	15,975	98,814	116,171
1964	1,411	17,947	105,548	124,906
FEMALES				
1960	153	2,254	7,922	10,329
1961	160	2,113	7,251	9,524
1962	192	2,378	8,589	11,159
1963	148	2,758	9,418	12,324
1964	146	2,902	10,584	13,632

7. POWER EQUIPMENT. Statistics of the power equipment installed in the factories are given in the next table for the year 1963-64. The details include the rated horsepower of engines ordinarily in use together with those in reserve or idle.

TABLE 11. - MOTOR VEHICLES AND CYCLES : TYPES AND RATED HORSEPOWER OF ENGINES

AUSTRALIA, 1963-64

Class of Engine	Rated Horsepower of Engines -							
	Ordinarily in Use				In Reserve or Idle			
	Construc- tion and Assembly	Motor Vehicle Repairs	Motor Body Build- ing	Motor Access- ories; Cycles and Access- ories	Construc- tion and Assembly	Motor Vehicle Repairs	Motor Body Build- ing	Motor Access- ories; Cycles and Access- ories
Combustion -								
Gas	..	..	..	..	..	..	4	..
Petrol and other								
Light Oils	1,058	4,037	354	791	35	2,327	508	1,032
Heavy Oils	..	373	..	..	..	..	16	..
<u>Total</u>	1,058	4,410	354	791	35	2,327	528	1,032
<u>Prime Movers</u>								
Motors driven by								
Electricity -								
Purchased	89,048	75,912	91,058	63,974	3,918	2,719	1,526	3,084
Own Generation	(a)18	(a)133	..	..	..	2	..	..
<u>Total</u>	89,066	76,045	91,058	63,974	3,918	2,721	1,526	3,084
<u>Electricity</u>								
<u>TOTAL</u>	90,106	80,322	91,412	64,765	3,953	5,048	2,054	4,116
<u>POWER EMPLOYED</u>								

(a) These motors are driven by electricity generated by prime movers and in order to avoid duplication are excluded from statistics of total power employed.

8. POWER, FUEL AND LIGHT, ETC. USED. Details of the quantities and values of the various items of power, fuel and light, etc., used in the individual Motor Vehicles Industries are shown in the following table for 1963-64.

TABLE 12. - MOTOR VEHICLES AND CYCLES : POWER, FUEL AND LIGHT, ETC. USED
AUSTRALIA, 1963-64

Particulars	Quantity				Value (£)			
	Construc- tion and Assembly	Motor Vehicle Repairs	Motor Body Build- ing	Motor Access- ories; Cycles and Access- ories	Construc- tion and Assembly	Motor Vehicle Repairs	Motor Body Build- ing	Motor Access- ories; Cycles and Access- ories
Power, Fuel and Light -								
Coal - Black Ton	..	55	4,336	144	..	392	24,831	1,137
Brown "	..	..	13,535	..	..	..	26,335	..
Brown Coal								
Briquettes "	16,719	988	6	5	63,479	3,489	61	41
Coke "	758	215	184	881	13,761	1,929	1,720	9,910
Wood "	211	2,134	98	24	1,265	4,012	315	84
Fuel Oil '000								
Gal.	7,741	416	4,091	2,641	379,501	39,168	160,785	164,478
Tar (Fuel) Ton	..	..	..	2,415	..	..	..	21,981
Electricity	(a)	(a)	(a)	(a)	1,531,540	1,518,957	1230,764	757,456
Gas	(a)	(a)	(a)	(a)	192,159	53,026	52,997	205,362
Other (Charcoal, etc.)	(a)	(a)	(a)	(a)	..	4,309	2,112	872
Water and Lubricating Oil	(a)	(a)	(a)	(a)	337,926	382,597	234,053	190,054
Total	(a)	(a)	(a)	(a)	2,519,631	2,007,879	1,733,973	1,351,375

(a) Value only available.

9. VALUE OF LAND AND BUILDINGS, PLANT AND MACHINERY. Particulars of the book values of premises occupied and plant installed in the factories at the 30th June for the years 1959-60 to 1963-64 are shown in the next table. Details of the values of additions and replacements made and depreciation allowed during each of the years 1959-60 to 1963-64 are also shown. It should be noted that the amounts are those recorded by factories which were operating during each year and that changes in their numbers, as well as other factors, affect comparison from year to year.

TABLE 13. - MOTOR VEHICLES AND CYCLES : VALUE OF LAND AND BUILDINGS, PLANT AND MACHINERY, ETC., AUSTRALIA

Year	Book Values as at 30th June (a)		Additions and Replacements made during year		Depreciation Allowed during year	
	Land and Buildings	Plant and Machinery	Land and Buildings	Plant and Machinery	Land and Buildings	Plant and Machinery
1959-60	114,425,391	50,382,714	13,289,189	13,095,370	983,657	7,056,946
1960-61	129,653,464	66,106,330	7,841,182	19,602,340	1,352,016	9,101,369
1961-62	146,116,171	69,708,884	6,895,402	13,577,319	1,249,487	9,662,553
1962-63	161,659,768	79,307,923	11,032,904	18,440,011	1,570,843	10,982,104
1963-64	177,012,565	86,190,792	15,799,210	24,047,966	2,138,267	15,274,314

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

10. EXTERNAL TRADE. The imports and exports of Motor Vehicles, Motor Cycles, Cycles and parts thereof are given in the following tables for the years 1959-60 to 1963-64.

TABLE 14. - IMPORTS OF MOTOR VEHICLES, MOTOR CYCLES AND CYCLES, AND PARTS

THEREOF, AUSTRALIA

Item	Unit	1959-60	1960-61	1962-62	1962-63	1963-64
Motor vehicle engines	No.	1,583	2,554	1,812	3,649	2,275
	£A.	487,795	548,413	345,284	697,415	517,019
Motor vehicle engine parts	£A.	1,896,213	2,511,294	1,533,619	2,342,230	2,649,986
Other motor vehicles, parts and accessories - Complete vehicles	No.	6,178	8,352	5,332	16,252	22,963
	£A.	4,920,775	7,054,247	5,857,168	12,898,137	15,723,648
All other parts and accessories	£A.	78,074,117	84,208,091	47,261,853	93,761,021	102,323,833
<u>Total Motor Vehicles and parts</u>	£A.	85,378,900	94,322,045	54,997,924	109,698,803	121,214,486
Cycles and cycle parts - Bicycles, tricycles and similar vehicles n.e.i., and frames	No.	11,097	13,787	7,035	7,875	10,495
	£A.	36,757	40,789	28,372	35,834	54,869
Cycle parts and accessories	£A.	535,902	627,892	436,228	671,379	652,289
Motor cycles and frames	No.	10,343	9,280	3,707	6,290	7,210
	£A.	1,044,790	819,119	409,927	622,429	679,055
Motor cycle engines	No.	8	55	57	65	47
	£A.	511	2,421	2,884	3,601	2,163
Parts of motor cycle engines	£A.	26,087	33,076	27,166	28,782	26,825
Motor cycle parts and accessories including sidecars	£A.	81,496	82,785	73,544	71,583	76,574

TABLE 15. - EXPORTS OF MOTOR VEHICLES AND CYCLES : AUSTRALIA

Item	Unit	1959-60	1960-61	1961-62	1962-63	1963-64
Motor cars	No.	2,981	3,589	3,266	6,964	7,337
	£A.	2,120,207	2,654,998	2,215,814	4,028,002	5,425,613
Motor trucks or buses, etc.	No.	480	637	308	685	586
	£A.	700,594	1,051,879	407,557	1,163,414	744,938
Motor car and truck parts and accessories thereof	£A.	3,242,273	5,644,683	3,791,110	4,596,532	9,170,004
Motor cycles, tricycles, and similar vehicles, n.e.i., and parts and accessories thereof	£A.	31,697	35,753	31,625	34,759	114,853

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

K.M. ARCHER
COMMONWEALTH STATISTICIAN

COMMONWEALTH BUREAU OF CENSUS AND STATISTICS

CANBERRA, A.C.T. 26TH AUGUST, 1965

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