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MANUFACTURING INDUSTRIES,

1950-51

NO. 9. MOTOR VEHICLES AND CYCLES.

Prepared under instruction from
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by

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MANUFACTURING INDUSTRIES : AUSTRALIA, 1950-51.

PREFACE

1. GENERAL: The Bulletins in the series for 1950-51 are listed on the back of the cover of this Bulletin and incorporate the same range of industries as the 1949-50 series with the following variations:-

- (a) The Metal and Machinery etc. Industries have been re grouped and are presented as - Basic Metal Industries (Bulletin No. 7) and Metal Fabricating Industries (Bulletin No. 8).
- (b) Single Bulletins are now being issued to cover:-
 - (i) The Clothing Industry, to include Hosiery and Knitted Goods (Bulletin No. 15).
 - (ii) The Jam, Fruit and Vegetable Canning, and the Pickles, Sauces and Condiments Industries (Bulletin No. 19).
- (c) Many of the Bulletins have been renumbered.

Where a number of Industries are combined in one Bulletin the introductory paragraph on Page 2 specifies the industries so included.

2. CLASSIFICATION OF FACTORIES: For purposes of industry classification, factories in Australia are classified according to the nature of their product. 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 and 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 as far as possible to the operations of factories classified to the industry specified. Sometimes articles normally produced in the industry covered by a particular Bulletin are also produced, as subsidiary production, in other industries, and, wherever possible, quantity tables have been extended to show details of production separately for the industry under review and the total in all industries.

3. BASIS OF THE STATISTICS: The scope of the factory statistics is fully explained in the annual Production Bulletin, Part I - Secondary Industries.

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

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

The value of output is the selling value at the factory of goods made or processed during the year, including by-products. 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 such items as wages, interest, depreciation, profits, taxation, advertising and other sundry charges are met. As full details of costs of production are not collected, the amount of profit resulting from factory operations cannot be ascertained from the figures contained herein.

S. R. CARVER
ACTING COMMONWEALTH STATISTICIAN

MANUFACTURING INDUSTRIES, AUSTRALIA - 1950-51

MOTOR VEHICLES AND CYCLES

- GENERAL:** The industries covered by this Bulletin are: - (i) Construction and Assembly of Motor Vehicles; (ii) Motor Vehicle repairs; (iii) Motor body building; (iv) Motor accessories and (v) Cycles and accessories. In years prior to 1945-46, groups (iv) and (v) were combined and consequently separate details in respect of cycles are not available for 1938-39.
- SUMMARY OF STATISTICS:** The following table gives a summary of the principal statistics for each industry separately and combined for the years 1938-39, 1945-46 and 1948-49 to 1950-51.

TABLE I : MOTOR VEHICLES AND CYCLES : AUSTRALIA

Year	Number of Factories	Persons Employed (a)	Salaries & Wages Paid (b)	Power, Fuel and Light etc. Used (c)	Value of Materials etc. Used (d)	Value of Production (e)	Value of Output (f)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
No.	No.	£'000	£'000	£'000	£'000	£'000	£'000
(i) Construction and Assembly of Motor Vehicles							
1938-39	89	4,279	987	38	664	1,575	2,277
1945-46	42	4,077	1,346	52	2,207	1,783	4,042
1948-49	62	9,066	4,278	142	2,099	5,806	8,047
1949-50	72	11,357	5,903	182	4,722	10,833	15,737
1950-51	78	13,714	8,811	308	10,616	15,584	26,508
(ii) Motor Vehicle Repairs							
1938-39	3,143	18,581	3,197	160	2,988	5,187	8,335
1945-46	3,230	21,012	4,790	196	5,301	7,841	13,338
1948-49	4,407	32,441	10,700	327	11,372	16,696	28,395
1949-50	4,649	35,228	12,861	389	13,889	20,099	34,377
1950-51	4,998	38,590	16,732	478	18,221	25,761	44,460
(iii) Motor Body Building (e)							
1938-39	232	11,742	2,589	73	3,749	3,747	7,569
1945-46	212	10,682	3,298	88	3,451	4,340	7,879
1948-49	416	14,982	6,545	157	8,139	8,436	16,732
1949-50	476	16,168	7,547	203	11,388	10,328	21,919
1950-51	519	17,708	10,195	275	15,967	13,991	30,233
(iv) Motor Accessories							
1938-39 (f)	72	1,919	358	25	403	640	1,068
1945-46	108	3,935	1,147	59	1,184	1,854	3,097
1948-49	124	5,531	2,360	117	2,062	3,556	5,735
1949-50	133	5,121	2,375	122	2,428	3,831	6,381
1950-51	135	5,568	3,051	154	3,738	5,255	9,147
(v) Cycles							
1938-39	(g)	(g)	(g)	(g)	(g)	(g)	(g)
1945-46	87	1,313	308	15	732	480	1,227
1948-49	118	1,373	433	23	833	645	1,501
1949-50	116	1,303	426	22	810	673	1,505
1950-51	126	1,231	547	26	1,143	920	2,089
Total Motor Vehicles and Cycles							
1938-39	3,536	36,521	7,131	296	7,804	11,149	19,249
1945-46	3,679	41,019	10,890	410	12,875	16,298	29,583
1948-49	5,127	63,393	24,316	766	24,505	35,139	60,410
1949-50	5,446	69,177	29,112	918	33,237	45,764	79,919
1950-51	5,856	76,811	39,336	1,241	49,685	61,511	112,437

(a) Average over whole year; includes Working Proprietors. (b) Excludes amounts drawn by Working Proprietors. (c) Includes also value of containers, packing, etc., replacement of tools and repairs to plant. (d) Value of Production equals column (7) less total of columns (4) and (5). (e) Includes Horse-drawn Vehicles in Tasmania. (f) Includes Cycles (foot and hand-driven). (g) Included with Motor Accessories.

In the next table details for the industries comprising Motor Vehicles and Cycles industry are shown separately for the year 1950-51.

TABLE II : MOTOR VEHICLES AND CYCLES : AUSTRALIA : 1950-51.

Particulars	N.S.W.	Vic.	Q'd.	S.A.	W.A.	Tas.	Australia
(i) Construction and Assembly of Motor Vehicles							
Number of Factories	28	18	11	8	10	3	78
Number of Employed (a)-							
Males	3,144	5,945	1,670	583	1,372	63	12,777
Females	171	622	61	48	34	1	937
Total	3,315	6,567	1,731	631	1,406	64	13,714
Value of -	£	£	£	£	£	£	£
Salaries and Wages Paid (b)	2,148,649	4,605,366	897,333	365,916	763,198	30,774	8,811,236
Power Fuel and Light etc.Used	59,361	182,978	19,686	7,610	38,369	297	308,301
Materials,etc.Used	4,794,595	3,539,303	365,040	195,532	1,721,863	25	10,616,358
Production (c)	3,297,395	7,385,585	2,709,208	1,230,776	926,709	34,504	15,584,177
Output	8,151,351	11,107,866	3,093,934	1,433,918	2,686,941	34,826	26,508,836
Land and Buildings	1,061,530	1,047,852	142,011	154,319	199,414	40,409	2,645,535
Plant and Machinery	429,696	1,363,288	74,216	62,614	202,577	3,626	2,136,017
H.P. of Engines	H.P.	H.P.	H.P.	H.P.	H.P.	H.P.	H.P.
Ordinarily in Use	3,767	11,985	855	579	3,474	44	20,704
(ii) Motor Vehicle Repairs							
Number of Factories	1,936	1,266	757	351	487	201	4,996
Number Employed (a)-							
Males	14,350	9,542	5,316	2,373	2,948	1,204	35,743
Females	1,195	736	506	162	160	88	2,847
Total	15,555	10,278	5,822	2,535	3,108	1,292	38,590
Value of -	£	£	£	£	£	£	£
Salaries and Wages Paid (b)	6,997,541	4,634,743	2,178,313	1,104,690	1,299,652	517,036	16,731,975
Power, Fuel and Light etc. Used	188,674	121,703	80,936	31,596	43,135	11,919	477,963
Materials etc.Used	7,096,768	4,652,082	2,731,736	1,263,494	1,869,765	606,652	18,220,497
Production (c)	10,546,567	7,091,062	3,611,671	1,602,627	2,115,277	794,239	26,761,443
Output	17,832,009	11,864,847	6,424,343	2,897,717	4,028,177	1,412,810	44,459,903
Land & Buildings	6,498,726	3,636,324	1,763,437	1,081,215	1,258,078	649,949	14,887,729
Plant & Machinery	1,955,650	1,346,601	764,964	300,729	503,654	160,280	5,031,878
H.P. of Engines	H.P.	H.P.	H.P.	H.P.	H.P.	H.P.	H.P.
Ordinarily in Use	14,491	10,031	6,142	2,452	3,870	1,181	38,167
(iii) Motor Body Building (d)							
Number of Factories	189	173	78	34	21	24	519
Number Employed (a)-							
Males	2,143	5,323	632	7,912	380	270	16,660
Females	106	427	24	477	10	4	1,048
Total	2,249	5,750	656	8,389	390	274	17,708
Value of -	£	£	£	£	£	£	£
Salaries and Wages Paid (b)	1,143,520	3,400,718	267,461	5,092,348	177,704	113,457	10,195,208
Power, Fuel and Light etc.Used	21,728	83,959	5,648	155,086	6,472	1,657	274,550
Materials etc.Used	1,789,967	4,874,690	310,254	8,646,760	282,845	62,818	15,967,334
Production (c)	1,859,229	4,628,877	443,315	6,584,402	280,791	194,519	13,991,133
Output	3,670,924	9,587,526	759,217	15,386,248	570,108	258,994	30,233,017
Land & Buildings	816,199	1,337,250	152,853	751,965	203,252	159,646	3,421,165
Plant & Machinery	233,004	800,009	59,839	1,395,506	39,619	14,402	2,542,379
H.P. of Engines	H.P.	H.P.	H.P.	H.P.	H.P.	H.P.	H.P.
Ordinarily in Use	3,352	11,687	970	17,709	436	221	34,375

TABLE II : MOTOR VEHICLES AND CYCLES : AUSTRALIA : 1950-51 (Continued)

Particulars	N.S.W.	Vic.	Q'ld.	S.A.	W.A.	Tas.	Australia
(iv) Motor Accessories							
Number of Factories	52	53	14	7	9	-	135
Number Employed (a) -							
Males	1,783	1,791	171	419	107	-	4,271
Females	380	780	63	66	8	-	1,297
Total	2,163	2,571	234	485	115	-	5,568
Value of -	£.	£.	£.	£.	£.	£.	£.
Salaries and Wages	1,309,344	1,326,982	98,982	264,463	51,174	-	3,050,945
Paid (b)							
Power, Fuel and Light etc. Used	77,984	57,214	3,396	12,473	3,112	-	154,179
Materials etc. used	1,320,984	1,931,059	124,998	303,215	57,457	-	3,737,713
Production (c)	2,174,124	2,322,229	221,263	434,368	102,890	-	5,254,874
Output	3,573,092	4,310,502	349,657	750,056	163,459	-	9,146,766
Land and Buildings	584,368	1,603,900	42,040	139,935	35,885	-	2,406,128
Plant and Machinery	1,086,657	530,191	38,146	120,919	8,960	-	1,784,893
H.P. of Engines	H.P.	H.P.	H.P.	H.P.	H.P.	H.P.	H.P.
Ordinarily	8,258	5,692	280	2,095	129	-	16,461
(v) Cycles							
Number of Factories	31	35	20	25	12	3	126
Number Employed (a) -							
Males	335	363	117	166	91	5	1,077
Females	48	86	5	13	1	1	154
Total	383	449	122	179	92	6	1,231
Value of -	£.	£.	£.	£.	£.	£.	£.
Salaries and Wages	166,887	216,074	48,590	75,133	38,349	1,975	547,008
Paid (b)							
Power, Fuel and Light etc. used	6,889	12,488	1,769	3,294	1,851	60	26,351
Materials, etc. used	348,927	364,365	196,290	162,706	63,092	7,165	1,142,545
Production (c)	279,194	303,480	163,510	111,293	58,827	3,498	919,802
Output	635,010	680,333	361,569	277,293	123,770	10,723	2,088,698
Land and Buildings	130,092	166,020	50,171	72,247	28,735	8,740	456,005
Plant and Machinery	37,927	37,868	5,936	8,339	3,578	462	94,110
H.P. of Engines	H.P.	H.P.	H.P.	H.P.	H.P.	H.P.	H.P.
Ordinarily in use	724	2,009	109	244	155	8	3,242

(a) Average over whole year, including Working Proprietors

(b) Excludes amounts drawn by Working Proprietors.

(c) See note (d) to Table I.

(d) Includes Horse-drawn Vehicles for Tasmania.

3. AVERAGE SALARIES, OUTPUT AND PRODUCTION: Particulars for the combined group- Motor Vehicles and Cycles - of the average salary and wage 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 1938-39, 1945-46 and 1948-49 to 1950-51.

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

Year	Salaries and Wages per Employee	Value of Output per Person Engaged (b)	Value of Production per Person Engaged (b)	Ratio of Salaries and Wages to Value of Production
	(a)			
1938-39	£. 212	£. 527	£. 305	63.96
1945-46	287	721	397	66.82
1948-49	414	953	554	69.20
1949-50	536	1,155	662	63.61
1950-51	549	1,464	801	63.95

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

(b) Includes Working Proprietors.

4. **ARTICLES PRODUCED:** The following table, which has been divided into three parts, shows particulars of the quantity and value of the principal articles produced in Motor Vehicle and Cycle Works during the year 1950-51. A number of the articles produced in establishments classified for statistical purposes as Motor Vehicle and Cycle Works are, however, also produced in other establishments and Table IV has accordingly been extended to show separate particulars of these articles in (i) Motor Vehicle and Cycle Works, and (ii) all Australian factories. Details of imported chassis assembled in Australia are not now collected, particulars of unassembled motor chassis imported being shown in Table XIV.

**TABLE IV : CONSTRUCTION AND ASSEMBLY OF MOTOR BODIES AND CYCLES
AND PRODUCTION OF MOTOR AND CYCLE ACCESSORIES :**
AUSTRALIA, 1950-51

Particulars	Motor Vehicle & Cycle Works		All Factories	
	Quantity (No.)	Value (£)	Quantity (No.)	Value (£)
Part I : Motor Bodies Made or Assembled				
Sedans	36,428	8,265,877	36,428	8,265,877
Coupes	-	-	-	-
Tourers	3,172	440,264	3,172	440,264
Roadsters	-	-	-	-
Passenger Buses	(d) 861	(d) 1,729,444	861	1,729,444
Trucks - Complete Cabs	(d) 11,064	(d) 1,348,450	11,064	1,348,450
Trays	(d) 12,153	(d) 821,764	12,153	821,764
Tipping Bodies	(d) 1,845	(d) 358,091	1,845	358,091
Utilities - New York - Passenger Type	(d) 14,827	(d) 2,659,383	14,827	2,659,383
Truck Type	(d) 7,463	(d) 1,389,895	7,463	1,389,895
Conversions	(d) 123	(d) 11,704	123	11,704
Vans	(d) 1,761	(d) 506,976	1,761	506,976
Caravans	(d) 723	(d) 323,816	723	323,816
Station Waggon	(d) 81	(d) 23,869	81	23,869
Other	(d) 252	(d) 176,437	252	176,437
Trailers - Conventional Flat Top - 2 Wheel	774	72,602	1,135	132,568
4 Wheel	700	167,669	973	220,700
Low Loading	22	21,670	31	34,227
All Other	2,950	930,236	3,687	1,004,319
Semi-Trailers - Low Loading	22	28,450	36	36,725
All Other	416	243,527	502	259,837
Bodies assembled from panels imported or made elsewhere	(d) 21,957	(a) -	21,857	(a) -
Sidecars made	1,102	56,440	1,102	56,440

Part 2 : Motor Accessories Made

Axles	4,432	42,132	79,951	251,006
Bumpers and Bumperettes	(d) 111,983	(d) 251,580	111,983	251,580
Pistons	686,992	504,179	686,992	504,179
Piston-rings	(d)(e) 11,654,711	(d) 584,141	(e) 11,654,711	584,141
Radiators - Cores and Assembly	(d) 159,749	(d) 1,076,565	159,749	1,076,565
Spark-plugs	(d) 2,354,392	(d) 342,639	2,354,392	342,639
Shock Absorbers	(d) 212,238	(d) 227,861	212,238	227,861
Cylinder Sleeves and Liners	(d)(e) 182,866	(d) 232,458	(e) 182,866	232,458
Wheels	(d) 107,121	(d) 197,696	107,121	197,696
Springs - Laminated	(c) -	346,111	(c) -	977,737
Heavy Coil	(c) -	63,248	(c) -	206,932
Light Coil	(c) -	70,652	(c) -	677,440

Part 3 : Cycles

Total Cycle Frames built (f)	97,318	(a) -	97,318	(a) -
Complete Cycles assembled or packed ready for assembly	100,859	1,163,331	100,859	1,163,331
Complete Cycles assembled on Commission	3,742	(a) -	3,742	(a) -
Cycle parts and accessories made	(c) -	(d) 381,405	(c) -	381,405

(a) Quantity only collected. (b) Not available for publication; included in "other".
 (c) Value only collected. (d) Includes production in other works, details of which are not available separately. (e) Partly estimated. (f) Includes Cycle Frames built on Commission.

Further particulars of the Motor Body Building Industry in Australia are given in the following table for the years 1938-39, 1945-46 and 1948-49 to 1950-51.

TABLE V : MOTOR BODIES : NUMBER IMPORTED AND MADE : AUSTRALIA

Year	Motor Bodies (a)	
	Imported	made (b)
1938-39	532	79,436
1945-46	223	19,473
1948-49	34,728	68,230
1949-50	115,484	67,098
1950-51	92,791	90,753

(a) Excludes side cars. (b) Number made in all factories. Excluding Bodies assembled from panels imported or made in other factories.

5. **MOTOR VEHICLE REGISTRATIONS:** The following table furnishes particulars of motor vehicle registrations in Australia for each of the years 1938-39, 1945-46 and 1948-49 to 1950-51.

TABLE VI : MOTOR VEHICLE REGISTRATIONS : AUSTRALIA
(Excluding Defence Service Vehicles)

Period	Motor Vehicles on Register at end of Period			New Motor Vehicles Registered during Period (a)		
	Motor Cars	Commercial Vehicles etc.	Motor Cycles	Motor Cars	Commercial Vehicles etc.	Motor Cycles
1938-39	562,271	258,025	79,237	54,107	24,927	7,370
1945-46	522,615	333,129	72,701	2,123	8,686	1,953
1948-49	655,497	452,147	117,133	66,471	36,678	22,226
1949-50	768,558	501,721	133,979	115,012	57,946	26,782
1950-51	883,610	551,057	145,684	127,671	77,933	27,151
1951-52	1,032,358	583,247	154,579	125,319	73,461	22,155

(a) Excludes Northern Territory.

6. **EMPLOYMENT:** The number of persons employed shown in Tables I, II and VIII has been adjusted to represent the average employment over the whole year in those cases where short time was worked. In the following table, relating to the Motor Vehicles and Cycles industry as a whole, the factories have been classified according to the average number employed during the actual period worked for the years 1938-39, 1945-46 and 1948-49 to 1950-51.

TABLE VII : MOTOR VEHICLES AND CYCLES : FACTORIES CLASSIFIED ACCORDING TO PERSONS EMPLOYED : AUSTRALIA

Number of Persons employed in each Factory	1938-39		1945-46		1948-49		1949-50		1950-51	
	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	1,721	3,622	1,534	3,290	2,051	4,421	2,155	4,583	2,335	4,991
4 to 10	425	1,700	430	1,920	625	2,500	668	2,672	640	2,560
11 to 20	891	5,911	1,081	7,136	1,559	10,452	1,619	10,821	1,796	12,033
21 to 50	271	4,041	331	4,731	491	7,046	546	7,695	607	8,721
51 to 100	131	4,031	154	4,896	256	8,029	300	9,086	302	9,241
101 to 200	64	4,350	62	4,345	75	5,128	85	6,019	93	7,111
201 to 300			18	2,464	43	5,981	43	5,974	49	6,581
301 to 400			7	1,682			10	2,556	11	2,656
401 to 1000	33	13,239	5	1,709	15	3,928	5	1,592	5	1,674
1001 and over			3	1,507	8	4,561	11	6,070	13	6,940
			4	7,924	4	11,773	4	12,504	5	14,740
TOTAL:	3,536	36,894	3,679	41,604	5,127	63,819	5,446	69,572	5,856	77,271
Average No. Employed per Factory	10		11		12		13		13	

Further details of employment in each of the industries, Motor Vehicles - Construction and Assembly, Repairs, Motor Body Building, and Cycles and Motor and Cycle Accessories, are furnished in the next three tables. In Table VIII, the numbers of persons employed are shown according to the nature of their employment in each of the industries for the year 1950-51.

TABLE VIII : MOTOR VEHICLES AND CYCLES : PERSONS EMPLOYED ACCORDING TO OCCUPATIONAL STATUS : AUSTRALIA : 1950-51

Occupational Status	Construction and Assembly	Motor Vehicles Repairs	Motor Body Building (a)	Motor Accessories, Cycles and Accessories	Total
Working Proprietors	9	4,421	525	166	5,121
Managerial and Clerical Staff, including Salaried Managers and Working Directors	2,183	4,961	1,735	825	9,704
Chemists, Draftsmen and Other	129	13	246	106	494
Laboratory and Research Staff	469	1,709	726	339	3,243
Foremen and Overseers	10,902	27,310	14,370	5,341	57,923
Workers in Factory (Skilled and Unskilled)					
Carters (Excluding Delivery only), Messengers and Persons Working Regularly at Home	22	176	106	22	326
TOTAL:	13,714	38,590	17,708	6,799	76,811

(a) Includes details of Horse-drawn Vehicles for Tasmania.

The numbers of persons employed on or about the last pay day in June, 1951, in each of the industries—Motor Vehicles—Construction and Assembly, Repairs, Motor Body Building, and Cycles and Motor and Cycle Accessories, are shown distributed according to age and sex in Table IX. For comparative purposes, similar details (as far as they are available) are given in total in Table X for the years 1939, 1946 and 1949 to 1951.

TABLE IX : MOTOR VEHICLES AND CYCLES : DISTRIBUTION OF EMPLOYEES ACCORDING TO AGE AND SEX : AUSTRALIA : JUNE, 1951
(Excluding Working Proprietors)

Sex	Under 16 years	16 years	17 years	18 years	19 years	20 years	21 Years and over	Total
Motor Vehicles - Construction and Assembly								
Males	46	40	62	67	90	122	12,745	13,172
Females	16	19	15	21	29	48	827	975
Persons	62	59	77	88	119	170	13,572	14,147
Motor Vehicles - Repairs								
Males	1,067	1,167	1,202	1,263	1,104	1,193	24,977	31,973
Females	120	187	230	244	209	209	1,661	2,860
Persons	1,187	1,354	1,432	1,507	1,313	1,402	26,638	34,833
Motor Vehicles - Motor Body Building (a)								
Males	166	204	196	213	215	254	14,677	15,925
Females	24	25	35	47	49	61	781	1,022
Persons	190	229	231	260	264	315	15,458	16,947
Cycles and Motor and Cycle Accessories								
Males	50	63	78	89	79	82	4,913	5,354
Females	15	15	15	24	36	32	1,402	1,541
Persons	65	78	93	113	117	114	6,315	6,895

(a) Includes details of Horse-drawn Vehicles for Tasmania.

**TABLE X : MOTOR VEHICLES AND CYCLES : DISTRIBUTION OF EMPLOYERS
ACCORDING TO AGE AND SEX : AUSTRALIA
(Excluding Working Proprietors)**

June 1951	Under 16 yrs.	16 years	17 years	18 years	19 years	20 years	Total 16 to 20 yrs	21yrs. & over	Total All Ages
Males									
1939	1,236	(a)	(a)	(a)	(a)	(a)	7,087	23,005	31,328
1946	1,064	1,372	1,520	1,453	1,147	1,112	6,604	30,017	37,685
1949	947	1,270	1,503	1,691	1,589	1,629	7,682	47,010	55,639
1950	1,062	1,293	1,542	1,631	1,634	1,656	7,756	53,851	62,669
1951(b)	1,329	1,474	1,538	1,632	1,488	1,651	7,783	57,312	66,424
Females									
1939	99	(a)	(a)	(a)	(a)	(a)	837	1,059	1,995
1946	137	223	276	315	308	268	1,390	2,258	3,785
1949	125	168	295	332	356	379	1,530	3,617	5,272
1950	143	214	302	356	338	371	1,581	4,020	5,744
1951(b)	175	246	295	336	325	350	1,552	4,671	6,398

(a) Details not collected. (b) Last Pay day of month.

7. **POWER EQUIPMENT:** Statistics of the power equipment of the factories included in the individual industries - Motor Vehicles - Construction and Assembly, Repairs, Motor Body Building, and Cycles and Motor and Cycle Accessories, are given in the next table for the year 1950-51. The details include the rated horsepower of engines ordinarily in use together with those in reserve or idle.

**TABLE XI : MOTOR VEHICLES AND CYCLES : TYPES AND RATED HORSE-POWER
OF ENGINES : AUSTRALIA, 1950-51.**

Class of Engine	Rated Horse-power of Engines -							
	Ordinarily in Use				In Reserve or Idle			
	Con- struct- ion & Assembly	Motor Vehicles Repairs	Motor Body Build- ing(a)	Cycles & Motor & Cycle Access- ories	Con- struct- ion & Assembly	Motor Vehicles Repairs	Motor Body Build- ing(a)	Cycles & Motor & Cycle Access- ories
Steam - Reciprocating	-	48	-	20	-	25	500	-
- Turbine	-	-	-	-	-	-	-	-
Internal Combustion								
Gas	-	208	-	-	-	10	-	-
Petrol or Other								
Light Oils	707	4,371	479	493	206	1,332	391	213
Heavy Oils	720	1,354	20	508	265	207	90	800
Water	-	-	-	-	-	32	-	-
Total Prime Movers	1,427	6,451	499	1,021	471	1,606	981	1,013
Motors driven by electricity								
Purchased	19,277	31,706	33,876	18,689	834	786	1,183	627
Own Generation	-	(b) 246	(b) 2	-	-	34	50	-
Total Electricity	19,277	31,952	33,878	18,689	834	820	1,233	627
Total Power Used	20,704	38,167	34,375	19,710	1,305	2,426	2,214	1,640

(a) Includes details of Horse-drawn Vehicles in Tasmania. (b) These motors are driven by electricity generated by prime-movers shown above, and are excluded from statistics of total power used, to avoid duplication.

4. 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 industries - Motor Vehicles - Construction and Assembly, Repairs, Motor Body Building, and Cycles and Motor and Cycle Accessories, are shown in the following table for 1950-51.

TABLE XII : MOTOR VEHICLES AND CYCLES : POWER, FUEL AND LIGHT, ETC. USED
AUSTRALIA, 1950-51.

Particulars	Quantity				Value (£)			
	Construction & Assembly	Motor Vehicles Repairs	Motor Body Building(a)	Cycles & Motor & Cycle Accessories	Construction & Assembly	Motor Vehicles Repairs	Motor Body Building(a)	Cycles & Motor & Cycle Accessories
	ton	ton	ton	ton				
Power, Fuel & Light								
Coal-Black	1,582	217	1,627	994	3,769	774	3,681	3,152
Brown	3,818	385	6,512	689	7,636	658	13,025	1,086
Brown Coal								
Briquettes	-	206	-	2	-	333	-	9
Coke	678	560	836	831	7,905	2,665	3,992	5,607
Wood	40	1,294	2,479	163	167	2,708	4,453	593
	gal.	gal.	gal.	gal.				
Fuel Oil	1,344,707	313,432	410,682	613,523	96,042	32,924	31,887	42,249
Par (Fuel)	-	144	-	5,500	-	21	-	228
Electricity	(b)	(b)	(b)	(b)	140,341	333,119	174,970	81,107
Gas	(b)	(b)	(b)	(b)	10,530	16,478	12,440	21,438
Other (Charcoal, etc)	(b)	(b)	(b)	(b)	25	9,401	3,624	219
Water & Lubricating Oil used	(b)	(b)	(b)	(b)	41,886	78,882	26,278	24,842
TOTAL:	(b)	(b)	(b)	(b)	306,301	477,963	274,550	180,530

(a) Includes details for Horse-drawn Vehicles for Tasmania. (b) Value only available.

9. VALUE OF LAND AND BUILDINGS, PLANT AND MACHINERY: Particulars of the book values of premises occupied and plant used in the factories of the combined Industrial group - Motor Vehicles and Cycles at the 30th June for the years 1938-39, 1945-46 and 1948-49 to 1950-51 are shown in the next table. Details of the values of additions and replacements made and depreciation allowed during the same period are also shown. It should be noted that the amounts are those recorded by factories which were operating during each year and that changes in their number, as well as other factors affect comparison from year to year.

TABLE XIII : MOTOR VEHICLES AND CYCLES : VALUE OF LAND AND BUILDINGS, PLANT AND MACHINERY, ETC. : AUSTRALIA
(£)

Year	Book Values as at 30th June (a)		Additions & Replacements made during year		Depreciation Allowed during year	
	Land and Buildings	Plant and Machinery	Land and Buildings	Plant and Machinery	Land and Buildings	Plant and Machinery
1938-39	8,729,583	2,411,280	311,361	513,518	100,322	303,131
1945-46	10,121,739	3,825,013	195,141	680,747	126,356	349,857
1948-49	16,658,322	8,399,403	697,378	3,207,463	154,260	1,352,764
1949-50	19,158,938	9,572,529	1,054,976	2,352,734	173,627	1,339,121
1950-51	23,816,562	11,589,277	1,477,567	3,122,155	209,328	1,644,714

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

10.

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 1938-39, 1945-46 and 1948-49 to 1950-51.

TABLE XIV : IMPORTS OF MOTOR VEHICLES, MOTOR CYCLES AND CYCLES, AND PARTS THEREOF : AUSTRALIA.

Item	Unit	1938-39	1945-46	1948-49	1949-50	1950-51
Motor Vehicles -						
Complete Vehicles	No.	(a)	4,789	600	1,777	1,539
	£A.f.o.b.	(a)	5,192,472	281,772	802,642	1,200,865
Motor Bodies	No.	532	223	34,728	115,484	92,791
	£A.f.o.b.	64,571	34,050	5,568,321	17,994,107	14,275,479
Motor Chassis -						
Assembled	No.	732	339	30,268	101,347	73,288
	£A.f.o.b.	144,197	95,728	7,460,231	22,505,764	17,054,874
Unassembled -						
Car & Car Types	No.	60,675	5,511	43,133	47,261	62,577
	£A.f.o.b.	5,190,861	775,573	7,194,770	9,553,530	13,112,482
Trucks, Omnibus, etc.	No.	14,687	4,245	28,256	38,703	49,876
	£A.f.o.b.	1,980,263	1,004,715	8,971,422	12,892,733	16,739,004
Other	No.	-	18	7	52	10
	£A.f.o.b.	-	3,030	9,412	13,454	13,867
Motor Chassis Parts	£A.f.o.b.	327,865	252,847	3,030,872	5,549,156	6,941,156
Motor Vehicle Engines	No.	197	1,005	2,494	1,767	2,003
	£A.f.o.b.	59,198	57,360	261,132	234,446	271,378
	£A.f.o.b.	628,516	266,773	1,770,967	3,782,068	4,679,373
Motor Vehicle Parts						
Cycles and Cycle Parts -						
Bicycles, Tricycles						
and similar vehicles,						
n.e.i. and Frames	No.	1,056	848	13,483	18,313	52,301
	£A.f.o.b.	3,992	5,733	43,960	67,685	157,002
Cycle Parts, and						
accessories	£A.f.o.b.	300,400	310,118	594,228	595,942	756,258
Motor Cycles & Frames	No.	6,565	2,275	22,326	29,015	24,217
	£A.f.o.b.	337,403	175,111	2,353,758	2,910,396	2,544,942
Motor Cycles Engines	No.	123	667	459	2,479	1,070
	£A.f.o.b.	6,837	9,957	13,636	46,140	21,335
Motor Cycle Parts and						
accessories including						
Side cars	£A.f.o.b.	(a)	11,053	87,585	88,774	116,528

(a) Not recorded separately. Included with Chassis, Assembled.

TABLE XV : EXPORTS OF MOTOR VEHICLES AND CYCLES : AUSTRALIA

Item	Unit	1938-39	1945-46	1948-49	1949-50	1950-51
Motor Cars	No.	209	92	164	232	185
	£A.f.o.b.	45,647	26,535	78,004	124,373	110,114
Motor Trucks or Buses, etc.	No.	(a)	1,623	132	240	115
	£A.f.o.b.	(a)	553,976	55,608	201,356	108,424
Motor Cars, Trucks and						
Wagon-Parts and access-						
ories of	£A.f.o.b.	179,403	136,754	292,859	530,676	438,359
Motor Cycles, Tricycles,						
similar vehicles,						
n.e.i., and parts and						
accessories thereof	£A.f.o.b.	3,744	35,639	60,731	48,556	54,558

(a) Not recorded separately; included with Motor Cars.

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COMMONWEALTH BUREAU OF CENSUS AND STATISTICS

CANBERRA. A.C.T.

20TH OCTOBER, 1952.