

COMMONWEALTH BUREAU OF CENSUS AND STATISTICS, CANBERRA,
AUSTRALIA

MANUFACTURING INDUSTRIES
1957-58

NO. 8. METAL FABRICATING INDUSTRIES

Prepared Under Instructions from
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P R E F A C E

1. GENERAL. The range of Bulletins in the series for 1957-58 is the same as for 1956-57 and a complete list is shown on the back of the cover of this Bulletin

Where a number of industries are combined in one Bulletin the introductory paragraph on Page 3 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. 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. Figures shown in the quantity tables herein represent total recorded production of the articles listed and include quantities produced, as subsidiary production, in industries otherwise classified.

3. BASIS OF THE STATISTICS. The scope of the factory statistics is fully explained in the annual Secondary Industries Bulletin.

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. It should be noted that details relating to small establishments not classified for statistical purposes as factories are not included in the figures shown herein

All persons employed in the manufacturing activities of the factory are counted as factory employees. The figures relating to employment therefore, include proprietors who work in their own businesses 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 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 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

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MANUFACTURING INDUSTRIES : AUSTRALIA, 1957-58METAL FABRICATING INDUSTRIES

1. GENERAL: Manufacturing Industries Bulletin No. 8, Metal Fabricating Industries relates to the industries listed in Table 2 below.

2. SUMMARY OF STATISTICS: The following table furnishes a summary of the principal statistics of the Metal Fabricating Industries for the years 1945-46, and 1954-55 to 1957-58.

TABLE 1 : METAL FABRICATING INDUSTRIES : AUSTRALIA

Year	Factories (1)	Persons Employed (2)(a)	Salaries and Wages Paid (3)(b)	Power, Fuel and Light etc. Used (4)(c)	Value of Materials, etc. Used (5)(d)	Value of Production (6)(e)	Value of Output (7)(f)
	Number	Number	£'000	£'000	£'000	£'000	£'000
1945-46	4,510	153,559	45,004	2,358	45,868	67,180	115,406
1954-55	8,057	216,423	176,803	10,348	301,669	231,702	593,719
1955-56	8,363	226,703	195,521	11,154	337,815	307,544	656,513
1956-57	8,651	228,648	204,388	11,814	353,540	329,182	694,536
1957-58	8,819	236,961	224,721	13,019	414,093	363,043	790,155

(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 of goods produced.

Details of the individual industries comprising the Metal Fabricating group are given in the next table for Australia for the year 1957-58.

TABLE 2 : METAL FABRICATING INDUSTRIES : AUSTRALIA, 1957-58.

Industry	Fac- tories	Persons Employed	Salaries Wages Paid	Power, Fuel Light, etc. Used	Ma- te- rials etc. Used	Value of Produc- tion	Value of Output
	Number	Number	£'000	£'000	£'000	£'000	£'000
Foundries (Ferrous)	373	7,801	7,549	997	6,664	11,237	18,898
Plant, equipment and Machinery	2,240	69,540	67,000	2,964	114,716	110,365	228,045
Other Engineering	2,223	23,370	20,768	699	23,780	34,274	58,753
Electrical Machinery	1,152	46,394	41,892	2,155	84,212	69,589	155,956
Cutlery and Small Hand Tools	151	2,990	2,697	208	2,573	4,660	7,441
Agricultural Machines	370	10,449	15,598	639	13,438	15,598	29,675
Non-Ferrous Founding, Casting, etc.	444	9,404	8,515	735	14,800	14,426	29,961
Sheet Metal Working	961	23,012	20,504	1,159	48,748	35,267	85,174
Pipes, Tubes and Fittings-Ferrous	40	6,946	7,403	1,227	21,928	14,048	37,203
Wire and Wire Working	257	9,013	8,583	790	29,351	17,512	47,653
Stoves, Ovens and Ranges	57	4,613	4,395	570	6,097	6,109	12,776
Gas Fittings and Meters	15	660	580	16	440	768	1,224
Lead Mills	8	127	124	19	755	281	1,005
Sewing Machines	31	371	273	4	388	618	1,010
Arms, Ammunition	18	3,367	3,152	198	7,231	3,604	11,033
Wireless and Amplifying Apparatus	211	16,002	13,264	479	36,756	20,725	57,960
Other Metal Works	268	2,902	2,424	160	2,216	3,962	6,338
TOTAL:	8,819	236,961	224,721	13,019	414,093	363,043	790,155

See notes to Table 1 above.

In the following table particulars of the Metal Fabricating Industries are given for each State during the year 1957-58.

TABLE 3 : METAL FABRICATING INDUSTRIES
STATES, 1957-58

Particulars	N.S.W.	VIC.	Q'LD.	S.A.	W.A.	TAS.	AUST.
	No.	No.	No.	No.	No.	No.	No.
Factories	3,677	3,037	644	738	550	173	8,819
Persons Employed -							
Males	86,074	66,817	14,630	20,916	7,875	2,437	198,749
Females	20,482	11,441	1,208	4,247	564	170	38,212
TOTAL:	106,556	78,258	15,838	25,263	8,439	2,607	236,961
	£'000	£'000	£'000	£'000	£'000	£'000	£'000
Salaries and Wages Paid	101,934	77,239	13,494	22,790	6,980	2,284	224,721
Value of -							
Power, Fuel and Light etc. used	6,283	4,187	597	1,333	480	89	13,019
Materials, etc., used	203,946	137,829	20,409	37,050	11,314	3,545	414,093
Production	171,323	120,776	20,453	34,658	11,543	3,785	363,043
Output	382,052	262,792	41,459	73,091	23,342	7,419	790,155
Land and Buildings (a)	82,923	54,122	6,984	13,089	5,427	1,792	164,337
Plant and Machinery (a)	56,905	46,756	5,729	10,339	3,485	1,123	124,377
H. P. of Engines ordinarily in use	H. P.	H. P.	H. P.	H. P.	H. P.	H. P.	H. P.
	298,406	268,712	45,378	87,750	20,375	8,795	738,416

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

See also notes to Table 1 on previous page.

3. AVERAGE SALARIES, OUTPUT AND PRODUCTION: Particulars 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 value of production, are shown in the following table for the years 1945-46, 1955-56 to 1957-58.

TABLE 4 : METAL FABRICATING INDUSTRIES : AUSTRALIA
AVERAGE SALARIES AND WAGES PAID, OUTPUT, ETC. PER EMPLOYEE :

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
	£.	£.	£.	%
1945-46	300	752	437	66.99
1955-56	885	2,896	1,357	63.57
1956-57	917	3,038	1,440	62.09
1957-58	972	3,335	1,532	61.90

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

(b) Includes Working Proprietors.

4. ARTICLES PRODUCED: Particulars of the total Australian output of the principal Metal Products are set out in Table 5. In some cases the statistics in this table include the output (generally minor) of articles produced by factories classified outside this group.

TABLE 5 : TOTAL AUSTRALIAN PRODUCTION OF PRINCIPAL METAL PRODUCTS : 1957-58

Articles Produced	Quantity	Selling Value at Works
	Number	£.
<u>Agricultural Implements and Machines</u>		
<u>Tillage -</u>		
Ploughs (all types) - Made ..	25,912	1,653,734
Assembled ..	2,438	(a)
Cultivators and Scarifiers - Made ..	10,871	1,314,780
Assembled ..	743	(a)
Harrows (all types) - Made ..	9,970	345,372
Assembled ..	1,001	(a)
Parts ..	(b)	1,239,049
<u>Seeding and Planting -</u>		
Drills - Made ..	2,127	675,102
Assembled ..	371	(a)
Combines - Made ..	1,490	474,726
Assembled ..	289	(a)
Other Planters - Made and/or assembled ..	2,684	(a)
Parts ..	(b)	310,380
<u>Harvesting -</u>		
Harvesters, Headers and Reaper Threshers - Made ..	1,343	1,458,947
Assembled ..	111	(a)
Forage Harvesters - Made ..	381	287,700
Assembled ..	75	(a)
Buck Rakes - Made ..	471	19,410
Assembled ..	81	(a)
Mowers - Agriculture- Made ..	3,820	509,348
Assembled ..	624	(a)
Hay Rakes - Side Delivery - Made ..	1,350	192,245
Assembled ..	1,509	(a)
Other - Made and/or assembled ..	331	(a)
Parts ..	(b)	518,923
Windmills (complete) ..	8,689	592,110
Towers ..	(b)	254,923
Engines ..	(c)	(c)
Parts ..	(b)	136,125
Chaffcutters ..	130	12,041
Sheep Shearing Machinery and Parts ..	(b)	1,185,076
Milking Machines (complete) ..	(c)	(c)
Vacuum Pumps for Milking Machines ..	3,916	107,906
Other Milking Machine Parts ..	(b)	196,462
Feed Grinders - Made ..	3,212	332,076
Assembled ..	318	(a)
Hay Balers-Pick-up Type - Made ..	194	123,276
Assembled ..	1,235	(a)
Other - Made ..	109	20,732
Wool Presses - Made and/or assembled ..	3,313	(a)
Fruit Graders - Made and/or assembled ..	167	(a)
Bag Loaders - Made and/or assembled ..	464	(a)
Tree Pullers and Fellers ..	968	151,270
Fertilizer Spreaders ..	4,622	470,070
Elevators, Farm - Made and/or assembled ..	669	(a)
Post Hole Diggers - Power driven made ..	2,446	302,386
- Assembled ..	124	(a)
Potato Diggers - Made and/or assembled ..	620	(a)
Grain Augers and Blowers - Made and/or assembled ..	854	(a)
Rotary Weeders - Made and/or assembled ..	386	(a)
<u>Dairying and Domestic Utensils -</u>		
Milk Buckets ..	30,999	27,863
Milk and Cream Cans ..	90,287	325,304
Garbage and Sanitary Pans ..	(b)	413,483
Kitchenware - Pressure Cookers ..	33,189	112,438
Other Aluminium Ware ..	(b)	2,272,885
Brass and Copper ..	(c)	5,273
Enamelled ..	(b)	216,536
Other Metal ware ..	(b)	1,156,397
<u>Domestic Metalware -</u>		
Baths - C.I.P.E. ..	88,556	1,835,912
Other ..	25,158	466,242

(a) Value not available. (b) Quantity not available. (c) Not available for publication.

TABLE 5 : TOTAL AUSTRALIAN PRODUCTION OF PRINCIPAL METAL PRODUCTS : 1957-58 - (Continued)

Articles Produced	Quantity	Selling Value at Works
<u>Domestic Metalware - (Continued)</u>	Number	£.
Sinks - Stainless Steel ..	176,875	2,669,189
Enamelled ..	2,463	13,607
Laundry Troughs and Tubs - Stainless Steel ..	20,596	277,882
Other including C.I.P.E. ..	12,134	16,517
Coppers, Inserts (all types) ..	41,849	142,454
Wash Boilers Complete - Electric ..	20,943	265,592
Gas ..	22,072	301,960
Kerosene ..	1,078	25,942
Hot water systems and water heaters -		
Storage Systems -		
Electric ..	56,826	2,027,679
Gas ..	12,931	506,086
Solid Fuel ..	12,769	478,130
Kerosene and Oil ..	371	15,746
Non Storage Systems -		
Electric ..	11,288	292,202
Gas ..	6,547	219,518
Sink Heaters -		
Electric ..	15,054	164,725
Gas ..	4,302	47,212
Bath Heaters (complete) - Electric ..	12,415	192,798
Gas ..	26,234	459,244
Solid Fuel ..	31,581	183,208
Kerosene ..	(c)	(c)
<u>Electrical Machinery and Apparatus -</u>		
Dynamos - Alternators ..	443	77,480
Generators ..	5,704	(a)
Transformers, Chokes and Ballasts -		
(1) For distribution of Power and Light n.e.i. -		
(i) Up to and incl. 1kVA. ..	38,421	254,291
(ii) Over 1kVA up to and incl. 50kVA. ..	10,707	1,206,473
(iii) Over 50kVA up to and incl. 1,000kVA. ..	2,094	1,701,111
(iv) Over 1,000 kVA up to and incl. 5,000kVA. ..	48	320,335
(v) Over 5,000kVA ..	63	920,933
(2) For Fluorescent Lights and Neon Signs -		
(i) Hot Cathode -		
Under 40 watts ..	161,878	95,259
40 watts and under 80 watts ..	1,084,665	586,270
80 watts and over ..	22,683	31,780
(ii) Cold Cathode ..	37,340	154,508
(3) For Radio Receivers, Record Players, etc. ..	250,052	(a)
(4) For Television Receivers ..	241,900	(a)
(5) For Welders ..	2,761	255,927
(6) For other purposes -		
(i) Up to and incl. 1kVA ..	45,827	179,091
(ii) Over 1kVA ..	5,291	106,018
Batteries (manufactured and/or assembled) -	(c)	(c)
(1) Dry Cell Type ..		
(2) Wet Cell Type - Starting, Lighting, Ignition ..	635,922	2,407,694
(incl. Motor Cycle) - 6 Volt ..	618,889	3,193,366
12 Volt ..		
	No. of 2	
	<u>Volt Cells</u>	
- Radio, Homelighter, Fencer ..	236,501	678,866
- Traction ..	32,591	354,160
Other ..	(c)	(c)
Battery Components ..	(b)	806,616
Bulbs, etc. for Electric Light (complete) ..	(c)	(c)
Telegraph and Telephone Apparatus ..	(b)	6,985,360
	<u>Number</u>	
Meters - Electric - Domestic ..	21,582	1,212,705
Other ..	47,743	265,973
Other Measuring Apparatus ..	(b)	295,951
<u>Other Electrical Appliances -</u>		
Vacuum Cleaners (complete) -		
Domestic ..	81,257	1,401,635
Commercial ..	(c)	(c)

(a) Value not available. (b) Quantity not available. (c) Not available for publication.

TABLE 5 : TOTAL AUSTRALIAN PRODUCTION OF PRINCIPAL METAL PRODUCTS : 1957-58 - (Continued)

Articles Produced		Quantity	Selling Value at Works
<u>Other Electrical Appliances</u> (Continued)		Number	£.
Floor Polishing and Sanding Machines	..	77,377	1,517,002
Dry Shavers	..	233,546	1,743,243
Irons - Hand Domestic - Steam	..	181,290	947,832
- Dry	..	138,723	328,323
Fans (incl. Industrial)	..	75,193	961,226
Toasters - Domestic	..	167,984	419,658
Commercial	..	1,159	18,493
Radiators and Electric Fires (See Stoves - Heating)	..		
Hot Water Jugs (complete)	..	159,166	224,725
Kettles	..	(c)	(c)
Urns	..	8,117	105,219
Mixing Machines (Food) - Domestic (d)	..	154,434	2,227,257
Commercial	..	(c)	(c)
Dish Washing Machines - Domestic	..	346	59,943
Commercial	..	712	125,821
Electric Clocks (complete)	..	14,421	115,246
Miscellaneous Electrical Apparatus -	..		
Regulating, Starting, Controlling	..	(b)	11,156,316
Household Fittings (Switches, Fuses, etc.)	..	(b)	2,408,342
Portable Tools and Appliances	..	(b)	1,409,526
Cold Lighting (Neon Signs, etc.)	..	(b)	2,229,815
Film Projectors	..	31,522	549,861
<u>Electric Motors</u> -			
Up to and including 1/6 h.p.	..	698,322	(a)
Over 1/6 h.p. up to and including 1/3 h.p.	..	202,273	(a)
" 1/3 " " " " 1/2 "	..	92,770	(a)
" 1/2 " " " " 3/4 "	..	56,397	(a)
" 3/4 " " " and under 1 "	..	16,104	(a)
1 h.p. and under 2 1/2 h.p.	..	33,930	(a)
2 1/2 " " " 5 h.p.	..	10,623	(a)
5 " " " 10 h.p.	..	8,826	(a)
10 and over	..	3,237	(a)
<u>Total Electric Motors:</u>		1,127,482	(a)
<u>Engines</u> (excl. Motor Cars, Motor Cycle, Truck, Tractor and Aero) -			
Marine - Steam	..	-	-
Diesel	..	80	438,628
Petrol and Other Light Oils	..	3,830	278,442
Other than Marine -	..		
Steam	..	(c)	(c)
Diesel - under 6 h.p.	..	1,775	234,662
6 h.p. and over	..	781	252,125
Petrol and other Light Oils	..	186,325	(a)
<u>Hand Tools, Cutlery, Saws</u> -		<u>Dozen</u>	
Tools, Garden, Farm and Field -	..		
Axes	..	(c)	(c)
Cultivators, Hand	..	3,770	23,441
Forks, Garden and Farm	..	9,563	63,030
Hoes	..	6,527	34,409
Rakes	..	13,930	45,045
Spades and Shovels	..	23,796	233,293
Tools, Hand, Tradesmen's	..		
Chisels	..	28,863	85,479
Files and Rasps	..	(c)	(c)
Hammers - Claw	..	5,844	43,151
Engineers	..	6,000	39,968
Other	..	8,018	47,145
Drills, Bits and Braces	..	(b)	147,614
Spanners and Wrenches	..	(b)	(c)
Vices	..	(b)	255,797
Blow Lamps	..	(c)	(c)
Screwdrivers	..	(c)	(c)

(a) Value not available.

(b) Quantity not available.

(c) Not available for publication.

(d) Includes both "Beater" and Liquidiser or "Pulveriser" type.

TABLE 5 : TOTAL AUSTRALIAN PRODUCTION OF PRINCIPAL METAL PRODUCTS : 1957-58 - (Continued)

Articles Produced	Quantity	Selling Value
	Dozen	at Works £.
<u>Hand Tools, Cutlery, Saws - (Continued) -</u>		
Cutlery, Saws, etc.		
Knives -	(b)	76,888
Press ..	(b)	47,210
Paper - Guillotine ..	(b)	22,158
Other ..	(b)	25,548
Woodworking - Veneer ..	(b)	144,665
Other ..	(c)	(c)
Household ..	(c)	(c)
Forks - Household ..	(c)	(c)
Spoons - Household ..	(b)	425,349
Saws - Circular ..	(b)	19,492
Hand ..	(b)	281,376
Other ..	(b)	
<u>Miscellaneous Metal Products -</u>		
Structural Steel, Fabricated ..	226,653	27,796,291
Metal Furniture and Office Equipment ..	(b)	13,226,091
Metal Window Frames ..	(b)	7,501,534
	<u>Number</u>	
Gas Meters ..	51,712	(a)
Water Meters ..	92,046	702,148
	<u>Ton</u>	
Railway and Deck Spikes ..	4,952	438,752
Bolts and Nuts ..	(b)	4,253,383
Rivets ..	(b)	280,671
Washers ..	(b)	715,361
Screws ..	(b)	1,792,613
	<u>Ton</u>	
Reinforcing Steel Rods ..	27,243	1,832,848
Fence Posts and Droppers ..	45,811	2,243,157
Springs -		
Laminated ..	(b)	2,716,454
Heavy Coil ..	(b)	538,733
Light Coil ..	(b)	2,241,248
Bearings - Ball and Roller ..	(b)	442,525
Metal Badges ..	(b)	434,180
Steel Safes and Doors ..	(b)	1,037,233
Pneumatic Tools and Appliances ..	(b)	44,001
	<u>Number</u>	
Trucks - Hand - Bag, Box and Platform ..	13,586	103,721
Other ..	2,612	67,958
Powered Store Trucks - Fork Lift ..	502	1,455,865
Other ..	185	51,701
<u>Non-Ferrous Metalware -</u>		
Steam, Gas, Water Fittings, Valves and Parts ..	(b)	11,450,475
Window and Door Fittings ..	(b)	2,526,598
Furniture Fittings ..	(b)	1,103,904
	<u>Lin. Feet</u>	
Slide Fasteners ..	21,831,370	1,222,994
<u>Pipes, Tubes and Fittings - Ferrous -</u>		
	<u>Ton</u>	
Pipes and Tubes -		
(1) Seamless Steel (excluding Sheet Metal) ..	52,628	6,283,408
(2) Welded Steel (excluding Sheet Metal) -		
(i) Diameter 3" and under ..	186,699	14,339,248
(ii) Diameter over 3" ..	66,243	6,215,826
(3) Cast Iron -		
(i) Diameter 3" and under ..	2,567	172,535
(ii) Diameter over 3" ..	57,829	2,543,018
(4) Conduit Tubing ..	8,766	997,451
(5) Flexible Conduit Tubing ..	167	66,412
(6) Other Types (excluding Sheet Metal) ..	1,235	733,085
Pipe Fittings (Ferrous) - All Types ..	(b)	4,569,703

(a) Value not available. (b) Quantity not available. (c) Not available for publication.

TABLE 5 : TOTAL AUSTRALIAN PRODUCTION OF PRINCIPAL METAL PRODUCTS : 1957-58 - (Continued)

Articles Produced	Quantity	Selling Value
	Number	at Works £.
Plant Equipment, Machinery -		
Steam Engine Boilers and Steam Generators -		
(1) Water Tube ..	598	672,692
(2) Other ..	385	785,695
Lawn Mowers -		
(1) With Motor - Electric ..	2,781	101,113
(2) With Engine - Petrol and Light Oils - Cylinder Type ..	6,263	369,560
- Rotary Type ..	140,990	4,749,283
(3) Hand ..	31,300	185,771
(4) Horse or Tractor Drawn ..	291	29,584
Sewing Machines ..	(c)	(a)
Household Machinery and Appliances -		
Washing Machines - Electric ..	164,100	10,133,591
Clothes Wringers ..	4,708	25,784
Ironing Machines - Electric ..	(c)	(c)
Construction and Earth-moving Equipment -		
Power Control Units made and/or assembled ..	587	(a)
Power Shovels - under 2½ Cubic yards ..	51	297,604
Tractor Mounted Loaders - Made and/or assembled ..	1,845	(a)
Dozers - Made and/or assembled ..	1,923	(a)
Graders - Self Propelled - Made and/or assembled ..	397	(a)
- Tractor Drawn ..	943	112,703
Scrapers ..	59	144,754
Scoops ..	1,857	216,710
Rippers and Routers ..	2,033	189,316
Road Ploughs ..	87	4,334
Road Rollers - Made and/or assembled ..	156	(a)
Earth Packers, incl. Sheep's Foot Rollers ..	6	4,356
Rock Buggies and Dump Wagons ..	110	75,242
Concrete Mixers - Hand Driven ..	4,375	63,573
- Power Driven ..	3,634	406,897
Concrete Mixing Machinery ..	(b)	157,590
Bitumen Mixers, Sprayers and Heaters ..	102	295,556
Conveyors and Appliances - Industrial ..	(b)	2,803,207
Hoists, Cranes, Lifting Machinery -		
Hydraulic Hoists - For Trucks ..	3,462	619,129
Other ..	(b)	4,440,271
Crushing, Pulverising etc. Machinery ..	(b)	987,420
Earth-moving, Construction and Roadmaking Equipment, n.e.i. ..	(b)	1,310,562
Spare Parts ..	(b)	1,710,385
Industrial Machinery and Parts -		
Bakery ..	(b)	978,660
Boot and Shoe ..	(b)	355,853
Brick and Pottery ..	(b)	307,004
Butchery - Power Miners ..	536	71,454
- Power Sausage Fillers ..	193	15,300
Other ..	(b)	219,607
Confectionery ..	(b)	153,060
Dairy and Butter Making ..	(b)	1,206,023
Flour Milling ..	(b)	308,730
Food Processing and Canning ..	(b)	2,139,396
Laundry, (including Commercial Ironing and Washing) ..	(b)	824,684
Mechanical Stokers ..	(b)	14,815
Metalworking-Machine Tools - Lathes ..	(b)	1,158,028
- Other ..	(b)	1,916,047
Engineer's Small Tools ..	(b)	3,224,074
Other Metalworking Machinery ..	(b)	4,630,467

(a) Value not available. (b) Quantity not available. (c) Not available for publication.

TABLE 5 : TOTAL AUSTRALIAN PRODUCTION OF PRINCIPAL METAL PRODUCTS : 1957-58 - (Continued)

Articles Produced	Quantity	Selling Value at Works
	Number	£.
<u>Industrial Machinery and Parts - (Continued) -</u>		
Mining ..	(a)	3,865,614
Printing ..	(a)	610,350
Pumping (including Pumps) ..	(a)	6,395,882
Rubber making and working ..	(a)	1,176,440
Seed Cleaning ..	(b)	(b)
Sugar ..	(a)	1,177,161
Textile ..	(a)	754,583
Weighing Appliances ..	(a)	649,267
Woodworking and Sawmilling (incl. Saw Benches) ..	(a)	1,727,630
Water Softeners ..	9,050	324,428
<u>Refrigeration and Air Conditioning Equipment (c) -</u>		
Air Conditioning -		
Room Air Conditioners ..	4,678	784,860
All other ..	(a)	3,399,791
Refrigeration Equipment -		
Water Coolers ..	950	100,495
All Other ..	(a)	4,838,447
Refrigerators -		
Domestic (up to 12 cubic feet capacity) ..	195,925	19,419,961
Industrial (over 12 cubic feet capacity) - All Types ..	811	324,271
Freezers for Quick Frozen Foods ..	2,479	434,734
<u>Sheet and Pressed Metalware -</u>		
Packers' Cans, Canisters and Containers ..	(a)	29,426,127
Crown Seals and Bottle Closures (Metal) (d) ..	(a)	2,195,166
Wheel Barrows - Metal ..	63,403	371,986
	<u>Number</u>	
Wireless Chassis (unmounted) ..	6,835	2,977
<u>Stoves, Ovens and Ranges (other than Industrial Drying Ovens)</u>		
Cooking -		
Solid Fuel - Domestic - Heat Storage ..	16,624	1,460,509
Other ..	26,605	772,375
Commercial ..	660	53,413
Electric - Domestic -		
Fixed Ranges ..	55,055	3,404,286
Other Ranges ..	23,043	591,722
Grill Boilers ..	14,315	100,186
Commercial Ranges ..	583	211,551
Gas - Domestic - Upright or Elevated ..	55,960	2,389,066
Griller ..	340	7,151
Commercial ..	513	139,315
Oil - Domestic - Single Burner ..	40,756	93,638
Multiple Burner ..	10,264	86,446
Commercial ..	84	255,454
Small Spirit Burners ..	(b)	(b)
Heating - Domestic Room -		
Solid Fuel (incl. Slow Combustion) ..	40,926	915,720
Electric - Convection Heaters - With Fan ..	17,722	167,308
Without Fan ..	46,768	406,423
Radiators and Electric Fires ..	133,751	361,263
Gas - Gas Fires and Room Heaters ..	33,534	494,035
Kerosene and Oil Room Heaters ..	73,677	306,461

(a) Quantity not available.

(b) Not available for publication.

(c) Production of Refrigeration and Air Conditioning Parts and Equipment for sale to other manufacturers amounted to £3,145,916.

(d) In addition production of Plastic Bottle Tops, Closures, etc. was recorded as £723,695.

TABLE 5 : TOTAL AUSTRALIAN PRODUCTION OF PRINCIPAL METAL PRODUCTS : 1957-58 - (Continued)

Articles	Quantity	Selling Value
	Number	at Works £.
Tractors - (Made and Assembled) -		
Crawler Type (Maximum Draw Bar H.P.) - Under 61 H.P.	194	}
61 H.P. and over	43	
Total Crawler Type:	237	}
Wheeled Type (Maximum Belt Pulley H.P.) - ..		
Up to and including 30 H.P. ..	3,206	}
Over 30 H.P. up to and incl. 40 H.P. ..	5,540	
" 40 " " " " 55 " ..	2,215	}
" 55 " " " " " ..	265	
Total Wheeled Type:	11,226	}
Trailers -		
Low Loading ..	48	20,144
Conventional Flat Top - 2 wheel ..	1,336	115,139
4 wheel ..	404	123,792
All Other (including Box Trailers) ..	1,647	278,305
Semi-Trailers -		
Low Loading ..	70	116,196
All Other ..	773	1,024,421
Total Trailers and Semi-Trailers:	4,278	1,678,177
Wireless Apparatus -		
Domestic Receiving Sets - made or assembled -		
Radiograms ..	101,884	4,927,550
Mantel, Table, Console - with Clock ..	9,022	149,174
without Clock ..	107,114	1,43,381
Car Radios ..	85,325	1,995,124
Portable (personal and other) ..	77,408	1,239,598
Parts for Wireless or Television Sets ..	(b)	11,999,944
Valves for Receiving Sets ..	(c)	(c)
Valves for Transmitting Sets ..	(c)	(c)
Wireless and Television Transmitting Apparatus ..	(b)	1,491,133
Television Sets -		
17 in. and under - Table ..	55,327	5,191,890
Console ..	30,446	3,678,493
Combination ..	1,303	175,143
Portable ..	581	49,066
Over 17 in. - Table ..	77,969	8,884,494
Console ..	109,425	15,121,712
Combination ..	7,379	1,205,962
Television Aerials ..	(b)	1,230,931
Other Wireless, Amplifying and Television Apparatus ..	(b)	2,558,509
	ton	
Wire and Wireworking (d)		
Plain Wire - Ungalvanized ..	172,418	9,875,226
Galvanized ..	89,056	5,311,356
Barbed ..	15,269	1,147,808
Wire Fabric - Reinforcing ..	21,072	1,564,806
Wire Netting ..	19,976	1,996,203
Woven Wire (incl. Link and Fine Wire Mesh) ..	(b)	4,368,575
Nails ..	24,191	2,292,737
Staples ..	484	51,996
Wall Ties ..	228	20,213
Wire Gates ..	(b)	1,240,560
	lb.	
Steel Wool ..	1,922,271	439,841

(a) Value not available.

(b) Quantity not available.

(c) Not available for publication.

(d) Particulars of wire made include quantities made from purchased wire in addition to that drawn from wire rods.

Table 6 sets out comparative details of some of the more important metal products for the years 1938-39, 1956-57, 1957-58 and, where available, preliminary figures for 1958-59.

TABLE 6 : ARTICLES PRODUCED : METAL FABRICATING INDUSTRIES : AUSTRALIA

Item	Unit of Qty.	1938-39	1956-57	1957-58	1958-59 (a)
Baths, (G.I.P.E.)	number	(b)	88,959	88,556	87,955
Bath Heaters - Electric	"	(b)	14,698	12,415	12,537
Gas	"	(b)	25,243	26,234	23,249
Solid Fuel	"	(b)	33,691	31,581	29,924
Cultivators and Scarifiers -	"	8,501	13,371	11,614	(c)
Drills and Combines -	"	2,145	3,023	4,277	(c)
Dynamoes -					
Alternators	"	73	389	443	(c)
Generators	"	477	6,585	5,704	(c)
Electric Motors -					
Under 1 H.P.	"	(b)	898,490	1,065,866	1,245,777
Over 1 H.P.	"	(b)	55,828	61,616	65,841
Engines -					
Marine - Petrol and Other Light Oils	"	2,957	1,780	3,830	3,949
Other (d) - Petrol and Other Light Oils	"	1,886	180,509	186,325	290,774
Diesel	"	1,003	2,642	2,556	1,578
Fencing Wire	ton	115,048	234,836	276,743	(c)
Harrows	number	22,242	17,557	10,971	(c)
Harvesters, Headers and Reaper Threshers	"	2,636	1,712	1,454	(c)
Harvesters - Forage	"	(b)	(b)	456	(c)
Hot Water Systems - Storage					
Electric	"	(b)	55,498	56,826	60,602
Gas	"	(b)	10,492	12,931	15,664
Solid Fuel	"	(b)	11,715	12,769	13,542
Irons, Hand Domestic (Total all Types)	"	(b)	354,099	320,013	304,912
Lawn Mowers - Hand	"	)	43,713	31,300	22,043
Petrol	"	)	54,045	161,256	248,570
Electric	"	)	1,494	2,731	(g)
Mixing Machines Food, Domestic	"	(b)	129,249	154,434	152,116
Nails	ton	16,969	26,340	24,191	(c)
Ploughs (all types)	number	12,047	32,666	28,350	(c)
Refrigerators - Domestic (all types)	"	29,499	195,517	195,925	216,759
Sinks, Stainless Steel	"	(b)	158,087	176,875	183,475
Stoves, Over and Ranges					
Cooking, Domestic -					
Solid Fuel	"	54,461	46,005	43,229	40,464
Gas (e)	"	46,733	54,966	56,300	66,947
Electric (f)	"	8,757	99,086	92,413	101,925
Structural Steel Fabricated	ton	86,416	247,491	226,653	(c)
Television Receiving Sets	number	-	121,232	282,430	318,899
Tractors	"	2,340	11,754	11,463	(c)
Toasters, Domestic	"	(b)	174,531	167,984	189,961
Vacuum Cleaners, Domestic	"	(b)	83,910	81,257	86,287
Wash Boilers - Electric	"	(b)	21,890	20,943	20,693
Gas	"	(b)	24,170	22,072	21,756
Washing Machines - Electric	"	(b)	144,422	164,100	181,401
Wireless -					
Domestic Receiving Sets	"	163,821	366,282	380,753	383,542
all types incl. Radiograms	"				(c)
Wire Netting	ton	12,240	11,272	19,976	(c)

(a) Preliminary. Subject to revision. (b) Not collected. (c) Not yet available.
 (d) Excluding Motor Car, Motor Cycle, Truck, Tractor or Aero. (e) Includes Grills.
 (f) Fixed Ranges, other Ranges and Grill Boilers. (g) Not available for publication.

5. **EMPLOYMENT:** The number of persons employed shown in Tables 1, 2, 3 and 8 has 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 for each of the years 1945-46 and 1955-56 to 1957-58 according to the average number employed during the actual period worked.

TABLE 7 : METAL FABRICATING INDUSTRIES :
FACTORIES CLASSIFIED ACCORDING TO PERSONS EMPLOYED, AUSTRALIA

Number of Persons Employed in each Factory	1945-46		1955-56		1956-57		1957-58	
	No. of Fac- tories	Number Em- ployed	No. of Fac- tories	Number Em- ployed	No. of Fac- tories	Number Em- ployed	No. of Fac- tories	Number Em- ployed
Under 4	1,030	2,158	2,662	5,269	2,767	5,479	2,808	5,503
4	326	1,304	565	2,260	612	2,448	650	2,600
5 to 10	1,146	8,135	2,070	14,547	2,107	14,893	2,140	15,125
11 to 20	716	10,476	1,245	18,212	1,267	18,545	1,276	18,717
21 to 50	693	22,103	992	31,669	1,045	32,986	1,087	34,394
51 to 100	288	20,686	406	28,477	409	28,867	403	28,133
101 to 200	161	22,637	231	32,575	248	34,524	255	35,506
201 to 300	68	16,466	84	20,824	83	20,240	75	18,157
301 to 400	29	9,807	46	16,206	43	14,700	44	14,902
401 to 500	16	7,150	18	7,990	16	7,057	25	10,862
501 to 750	19	11,315	19	11,725	26	15,735	27	16,729
751 to 1,000	7	5,840	10	8,420	10	8,537	11	9,880
1,001 and over	11	16,717	20	29,368	18	25,660	18	27,363
TOTAL:	4,510	154,794	8,368	227,562	8,651	229,671	8,819	237,871
Average number Employed per Factory	34		27		27		27	

In table 8 the numbers of males employed are shown for the years 1945-46 and 1955-56 to 1957-58 according to the nature of their employment.

TABLE 8 : METAL FABRICATING INDUSTRIES :
PERSONS EMPLOYED : MALES CLASSIFIED ACCORDING TO OCCUPATIONAL STATUS:
AUSTRALIA

Occupational Status	1945-46	1955-56	1956-57	1957-58
MALES				
Working Proprietors	3,454	5,398	5,417	5,318
Managerial and Clerical Staff, including Salaried Managers and Working Directors	9,937	19,335	20,027	20,863
Chemists, Draftsmen and other Laboratory and Research Staff	2,688	4,557	5,039	5,463
Foremen and Overseers	5,762	10,384	10,883	11,288
Workers in Factory (Skilled or Unskilled)	109,621	153,153	152,125	155,154
Carters (excl. Delivery only), Messengers and Persons Working regularly at Home	515	529	501	663
(Males)	131,977	193,356	193,990	198,749
(Females)	21,582	33,347	34,658	38,212
(Persons)	153,559	226,703	228,648	236,961

In the following table the number of persons employed in June for the years 1946 and 1956 to 1958 are shown according to age and sex distribution.

TABLE 9 : METAL FABRICATING INDUSTRIES :
DISTRIBUTION OF EMPLOYEES ACCORDING TO AGE AND SEX :
AUSTRALIA

(Excluding Working Proprietors)

June	Under 16 Years	16 Years	17 Years	18 Years	19 Years	20 Years	Total 16 to 20 Years	21 Years and over	Total all Ages
MALES									
1946 (a)	2,188	3,452	4,246	4,869	4,322	4,074	20,963	111,283	134,434
1956 (b)	1,884	3,036	3,400	3,652	3,402	3,231	16,721	170,057	183,662
1957 (b)	1,932	3,203	3,676	3,722	3,719	3,506	17,826	170,118	189,876
1958 (b)	1,903	3,421	3,967	4,129	3,993	3,779	19,289	174,396	195,588
FEMALES									
1946 (a)	436	628	909	1,158	1,031	1,096	4,822	13,976	19,234
1956 (b)	465	731	935	1,067	958	963	4,654	27,809	32,928
1957 (b)	516	813	915	1,130	1,113	1,005	4,976	30,355	35,847
1958 (b)	492	928	1,046	1,144	1,248	1,203	5,569	33,581	39,642

(a) Pay day nearest 15th June.

(b) Last pay day in June.

6. **POWER EQUIPMENT:** Statistics of the power equipment of the factories included in this group are given in the next table. The details given include the rated horsepower of engines ordinarily in use, together with those in reserve or idle.

TABLE 10 : METAL FABRICATING INDUSTRIES : TYPES AND RATED HORSEPOWER OF ENGINES :
AUSTRALIA

Class of Engine	Rated Horsepower of Engines					
	Ordinarily in Use			In Reserve or Idle		
	1955-56	1956-57	1957-58	1955-56	1956-57	1957-58
Steam - Reciprocating	2,794	2,237	1,739	799	1,458	1,165
Turbine	25	190	25	25	25	25
Internal Combustion -						
Gas	57	54	50	305	198	162
Petrol or other Light						
Oils	7,965	7,370	7,375	28,714	27,474	26,321
Heavy Oils	4,203	3,711	2,840	10,714	9,896	9,634
Water	-	-	141	-	-	-
Total Prime Movers:	15,044	13,562	12,170	40,557	39,051	37,307
Motors driven by electricity -						
Purchased	664,777	686,893	726,246	43,643	67,923	77,515
Own Generation	(a) 4,949	(b) 5,670	(a) 4,776	1,913	1,984	1,078
Total Electricity:	669,726	692,563	731,022	51,556	69,907	78,593
TOTAL POWER EMPLOYED:	679,821	700,455	738,416	92,113	108,958	115,900

(a) These motors are driven by electricity generated by Prime Movers and to avoid duplication are excluded from statistics of total power employed.

7. POWER, FUEL AND LIGHT, ETC. USED: Details of the quantities and values of the various items of power, fuel and light, etc. used are shown in the following table for the years 1955-56 to 1957-58.

TABLE 11 : METAL FABRICATING INDUSTRIES : POWER, FUEL AND LIGHT, ETC. USED :
AUSTRALIA

Particulars	Unit of Quantity	Quantity			Value (£)		
		1955-56	1956-57	1957-58	1955-56	1956-57	1957-58
Power, Fuel and Light -							
Coal - Black	ton	58,088	50,857	50,020	267,557	238,481	234,070
Brown	"	17,120	10,100	10,562	47,259	29,128	30,357
Brown Coal							
Briquettes	"	4,544	5,241	6,366	24,291	28,285	35,419
Coke	"	105,163	92,392	89,898	1,168,172	1,074,743	1,034,367
Wood	"	24,727	22,023	22,755	68,091	63,065	58,484
Fuel Oil	'000gal.	23,058	23,943	27,651	1,672,185	1,871,878	2,161,041
Tar (Fuel)	" "	1,120	1,037	1,085	54,713	56,448	63,291
Electricity	-	(a)	(a)	(a)	5,743,979	6,206,610	6,873,917
Gas	-	(a)	(a)	(a)	1,135,200	1,228,014	1,391,771
Other (Charcoal, etc.)	-	(a)	(a)	(a)	37,981	40,668	38,497
Water and Lubricating Oil used	-	(a)	(a)	(a)	384,082	976,334	1,097,837
TOTAL:		(a)	(a)	(a)	11,153,462	11,814,154	13,019,051

(a) Quantity not available.

8. VALUE OF LAND AND BUILDINGS, PLANT AND MACHINERY: Particulars of the book values of premises occupied and plant installed for factory purposes as at 30th June for the years 1945-46 and 1955-56 to 1957-58 are shown in the next table. Details of the value of additions and replacements made and depreciation allowed during the same period are also shown. It should be noted that the amounts shown 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 12 : METAL FABRICATING INDUSTRIES :
VALUE OF LAND AND BUILDINGS, PLANT AND MACHINERY, ETC. :

AUSTRALIA
(£)

Year	Book Values as at 30th June (a)		Additions and Replacements		Depreciation Allowed	
	Land and Buildings	Plant and Machinery	Land and Buildings	Plant and Machinery	Land and Buildings	Plant and Machinery
1945-46	30,725,955	26,315,320	1,182,521	4,596,763	438,356	2,512,949
1955-56	110,780,243	92,484,322	11,444,322	18,562,906	1,079,760	7,841,637
1956-57	129,877,357	103,579,215	12,840,320	21,656,715	1,133,624	9,262,837
1957-58	164,336,571	124,376,854	29,634,825	33,001,538	1,352,813	11,971,593

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

9. OVERSEA TRADE: Particulars of imports and exports of a number of miscellaneous products are given for the years 1938-39, 1945-46 and 1955-56 to 1957-58 in the following table.

**TABLE 12. IMPORTS AND EXPORTS OF MISCELLANEOUS PRODUCTS OF THE
METAL FABRICATING INDUSTRIES, AUSTRALIA**

IMPORTS

Particulars	1938-39	1945-46	1955-56	1956-57	1957-58
	£A	£A	£A	£A	£A
<u>Plant, Equipment and Machinery,</u>					
<u>Including Machine Tools:</u>					
Power, Boilers and Parts	138,917	132,037	988,696	832,089	680,022
Engines -					
Diesel	380,146	708,708	2,692,146	1,495,793	2,522,905
Steam	105,644	67,479	259,194	166,835	181,684
Other (except Motor Vehicle) including Parts of all Types of Engines	522,198	3,559,178	16,698,829	14,006,935	12,257,208
Tractors, all Types and Parts except Engine Units	1,231,018	3,559,768	16,666,159	15,150,257	20,078,655
Road Rollers and Parts	1,414	14,406	173,109	151,434	118,651
Tractors - Engine Units	(a)	78,707	1,031,655	786,801	883,666
Machines -					
Adding and Computing	179,203	242,576	1,594,434	1,444,108	1,212,512
Lawn Mowers (Garden)	25,306	25,392	530,245	191,476	131,011
Machinery -					
Printing	379,023	112,347	2,884,559	2,149,614	2,833,137
Textile-working (b)	451,959	613,336	6,847,187	5,813,605	10,689,027
Typewriters, including Parts	255,539	124,557	1,556,034	1,736,480	1,960,354
Weighing Machines, Weigh - bridges, Scales and Balances, etc.	83,517	67,743	385,219	355,696	445,568
Woodworking Machinery	66,568	86,030	756,636	594,005	752,604
Metal-working	1,508,118	751,767	12,962,877	11,229,770	11,118,599
Mining and Metallurgical Machinery	322,418	159,570	2,849,969	3,221,495	3,241,398
Refrigerators and Parts	326,294	88,908	925,770	1,016,148	946,986
Paper-working	93,908	42,506	791,984	758,624	869,681
Paper-making	146,707	21,617	649,206	572,644	389,901
<u>Agricultural, Horticultural and</u>					
<u>Dairying Machinery, Except</u>					
<u>Garden Lawn Mowers:</u>					
Ploughs, Cultivators, Harrows, Scarifiers and Parts	65,129	38,990	431,823	504,578	434,965
Planting, Seeding and Fertilizing	5,172	4,409	29,324	27,044	20,913
Harvesting (except Mowers)	64,771	36,020	1,764,708	1,791,322	1,630,650
Mowing (except Lawn) and Parts	32,881	34,449	364,518	350,316	184,607
All Other	43,265	52,191	2,062,833	510,516	363,731
Dairy and Milk Products Plant Machinery -					
Cream Separators	101,177	129,431	301,105	266,779	176,459
Dairy Coolers and Pasteurizers	72,658	8,296	336,842	210,997	232,098
All Other	56,333	25,009	276,457	182,331	271,974
<u>Electrical Machinery and Equipment</u>					
<u>Other than Wireless Apparatus,</u>					
<u>Stoves, Ranges and Grillers:</u>					
Batteries and Accumulators	47,125	95,909	387,929	409,396	440,200
Cable and Wire (covered)	1,407,231	694,957	1,904,355	778,791	848,858
Carbon Manufactures	96,576	111,733	537,516	733,223	608,624
Dynamo Electric Machinery -					
Alternators, Generators, etc.	80,307	105,549	1,081,282	1,268,484	1,378,514
Current Generating Machinery	11,806	567,204	3,069,494	1,770,715	3,123,820
Electric Motors under 1 H. P.	196,001	116,457	1,118,992	911,992	959,249
Electric Motors 1 H. P. and over	602,405	151,556	2,435,585	2,044,144	2,539,181
Other	26,272	22,708	48,055	30,461	27,880
Electric Lamps, including Gasfilled tubes or Bulbs	193,801	192,720	1,648,938	1,568,231	1,701,224
Heating and Cooking Appliances (except Stoves, Ranges, Ovens, Grillers, etc.)	60,887	21,712	291,120	320,629	328,649
Measuring and Recording Instruments	176,513	167,555	1,490,491	951,107	966,020
Protective Equipment (excluding Telephone and Telegraph)	45,341	84,598	1,102,576	1,052,186	866,891
Regulating, Starting and Controlling Apparatus	648,424	551,614	5,518,404	5,376,073	5,490,518

(a) Not recorded separately.

(b) Includes Sewing Machines.

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

**TABLE 13 : IMPORTS AND EXPORTS OF MISCELLANEOUS PRODUCTS OF THE
METAL FABRICATING INDUSTRIES, AUSTRALIA
IMPORTS - (Continued)**

Particulars	Unit	1938-39	1945-46	1955-56	1956-57	1957-58
Electrical Machinery and Equipment Other than Wireless Apparatus, Stoves, Ranges and Grillers - (Continued) -						
Telegraph and Telephone Equipment	EA	1,209,776	1,272,654	4,425,633	3795,401	5257,553
Transformers and Rectifiers	"	121,793	181,708	3,654,078	3706,976	4642,304
Other Electrical Machinery and Appliances	"	209,780	425,903	4,057,067	5623,082	4311,746
Stoves and Ovens -						
Coal and other Solid Fuel Stoves, Grates and Ranges	"	16,548	41,618	68,968	46,391	41,529
Gas Cooking Stoves, Ranges and Heating Appliances	"	76,497	17,214	503,312	387,620	494,944
Electric Stoves, Ranges, Ovens, Grillers and the like	"	91,451	28,971	723,280	402,710	380,765
Wireless Valves and Apparatus-						
Wireless Valves (excl. parts)	No.	495,670	478,299	1,383,081	3427,391	3379,795
Wireless Sets and Equipment	EA	159,226	268,369	700,669	1442,114	1304,340
Wire and Wireworking -	"	124,844	667,738	1,325,462	1933,698	2028,523
Wire of No. 15 Gauge or finer-						
Galvanized	ton		373	2,966	1,314	529
Plain	"	2,129	474	769	250	149
N.E.I.	"		435	(b)	(b)	(b)
Wire of Gauges coarser than No. 15 -						
Fencing	"	1,762	2	16,042	2,103	40
Steel Nail	"	822	11	(a)	(a)	(a)
Other -						
Galvanized	"	1,111	13	10,954	1,847	91
N.E.I.	"	688	108	19,342	3,134	2,031
Manufactures of Wire -						
Barbed Wire	"	102	-	4,790	732	184
Cable -						
Metal Clothes Line	"	-	2	560	556	289
Other	"	894	266	3,847	1,838	847
Wire Nails and Staples	"	25	11	159	159	144
Wire Netting	"	24	-	6,531	2,495	2,114
Woven Wire	"	32	26	(c)226	(c)111	(c)154
Pipes, Tubes and Fittings (d)						
Iron and Steel -						
Boiler Tubes	"	1,814	284	32	114	333
Cast Iron Pipes	"	357	241	7,728	9,948	11,795
Close-jointed Iron and Steel Pipes	"	244	6	42	16	16
Fittings, Cast Iron and Wrought and Malleable						
Cast Iron (e)	"	678	42	985	879	799
Flexible Metal Tubes and Metal-cased Pipes and Tubes	"	266	72	160	131	131
Water-bore Casings	"	1,656	-	114	334	87
Iron and Steel Pipes and Tubes 6 inches or less in diameter	"	4,034	176	3,135	857	1,436
Other Iron or Steel Pipes and Tubes	"	545	345	2,201	1,640	3,660
Total Pipes, Tubes and Fittings;	"	9,594	1,166	14,397	13,919	18,257
Other Pipes and Tubes -						
Aluminium and Aluminium-base Alloys	cwt.	34	1,717	2,101	2,687	2,217
Copper	EA.	785	28,343	73,197	96,039	78,520
Copper-base Alloys	cwt.	1,636	1,214	707	147	369
	EA.	13,462	12,124	26,042	5,528	9,794
	(f) cwt.	951	1,397	720	173	1,052
	EA.	(f)8,001	7,415	28,251	7,419	44,589

(a) Not recorded separately. (b) Quantity not recorded. (c) Excludes "over 120 holes to linear inch" for which no quantity is recorded. (d) Excludes Electric Conduit. (e) Includes electric conduit fittings from 1955-56. (f) Brass only.

NOTE: Values are expressed in EA f.o.b. port of shipment.

TABLE 13 : IMPORTS AND EXPORTS OF MISCELLANEOUS PRODUCTS OF THE
METAL FABRICATING INDUSTRIES : AUSTRALIA - (Continued)

EXPORTS

Particulars	Unit	1938-39	1945-46	1955-56	1956-57	1957-58
<u>Plant, Equipment and Machinery-</u>						
Engines	EA.	45,725	91,241	1,915,362	1,908,795	1,703,958
Mining Machinery	"	57,696	61,827	582,362	492,031	813,902
Machine Tools	"	8,566	38,800	147,708	158,771	166,871
Refrigerating Appliances	"	(a)	67,363	351,825	281,792	366,838
Sewing, Stitching, etc.	"					
Machines	"	22,830	37,878	105,753	92,020	76,667
Typewriters and Parts	"	6,197	7,257	16,329	11,967	9,891
Other Machinery	"	399,899	751,144	6,733,954	5,331,596	6,791,651
<u>Agricultural and Horticultural Machinery -</u>						
Ploughs, Harrows, Cultivators and Scarifiers and Parts	"	20,781	110,683	530,715	433,056	504,641
Harvesting Machinery and Parts	"		106,096	184,768	250,943	512,190
Other Agricultural, Horticultural etc. Implements and Machinery	"		64,190			
			80,239	496,412	484,224	563,408
<u>Electrical Machinery and Equipment Other than Wireless Apparatus -</u>						
Batteries and Accumulators	EA.		134,104	456,947	390,771	443,098
Cable and Wire (covered)	"		43,591	360,747	405,230	257,127
Lamps for Lighting and Heating	"					
Motors and Generators	"		48,973	38,537	51,092	36,314
Other Electrical Machinery and Appliances, N.E.I.	"	392,630	53,116	237,776	241,818	298,645
			134,603	788,516	901,304	1,039,930
<u>Wireless Valves and Apparatus -</u>						
Wireless Receivers (wholly or partly assembled)	EA.		33,890	101,081	46,000	88,424
Wireless Transmitters (b)	"		28,694	469,069	383,536	135,258
Wireless Valves	"	(a)	7,469	55,030	48,627	50,464
Parts and Accessories	"		51,506	243,777	445,655	492,297
<u>Wire and Wire-Working -</u>						
Wire of No. 15 Gauge or finer	ton		339	565	2,498	2,542
Wire of Gauges coarser than No. 15 -	"		10,944			
Fencing	"		112	34	27	2,057
Steel Nail	"		-	5,916	7,440	8,830
Other	"		1,706	2,867	5,282	8,376
Manufactures of Wire -						
Barbed Wire	"	842	20	281	221	385
Wire Nails and Staples	"	1	69	823	3,476	2,249
Wire Netting	"	1,330	2	39	69	86
Woven Wire	"	(a)	17	964	409	1,800
<u>Pipes, Tubes and Fittings -</u>						
Iron and Steel	"	-	8,074	24,395	47,458	44,188
Copper Pipes and Tubes	cwt.	706	525	(a)	(a)	(a)
	EA.	3,908	3,842	(a)	(a)	(a)
Pipes and Tubes of Copper-base Alloys	cwt.	(c) 329	423	751	2,139	542
	EA.	(a) 1,124	3,933	21,034	59,771	14,074

(a) Not recorded separately. (b) Including receivers and transmitters when built as one unit. (c) Brass only.

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

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COMMONWEALTH BUREAU OF CENSUS AND STATISTICS

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