

COMMONWEALTH BUREAU OF CENSUS AND STATISTICS, CANBERRA
AUSTRALIA

MANUFACTURING INDUSTRIES
1952 - 1953

NO. 8. METAL FABRICATING INDUSTRIES

Prepared Under Instructions from
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MANUFACTURING INDUSTRIES : 1952-53

PREFACE

1. GENERAL: The Bulletins in the series for 1952-53 are listed on the back of the cover of this Bulletin and incorporate the same range of industries as the 1951-52 series.

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 Secondary Industries Bulletin.

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 do 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.

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MANUFACTURING INDUSTRIES : AUSTRALIA, 1952-53

METAL FABRICATING INDUSTRIES

1. **GENERAL :** Manufacturing Industries Bulletin No. 8, Metal Fabricating Industries was re-arranged in 1950-51 and related 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, 1946-47 and 1950-51 to 1952-53.

TABLE 1 : METAL FABRICATING INDUSTRIES : AUSTRALIA

Year	Number of Factories (1)	Persons Employed (2)	Salaries & Wages Paid (b) (3)	Power, Fuel and Light etc. Used (4)	Value of Materials, etc., Used (c) (5)	Value of Production (d) (6)	Value of Output (7)
	No.	No.	£'000	£'000	£'000	£'000	£'000
1945-46	4,510	153,559	45,004	2,358	45,868	67,180	115,406
1946-47	5,142	157,111	49,018	2,429	69,037	72,772	144,238
1950-51	6,603	200,120	109,513	5,558	175,695	172,988	354,241
1951-52	7,149	206,338	140,200	7,702	227,592	218,265	453,559
1952-53	7,453	189,442	138,628	8,183	210,690	217,542	436,415

(a) Average over whole year; includes Working Proprietors. (b) Excludes amounts drawn by Working Proprietors. (c) Includes also value of containers, packing, etc., replacements of tools and repairs to plant. (d) Value of Production equals column (7) less total of Columns (4) and (5).

Details of the individual industries comprising the Metal Fabricating group are given in the next table for Australia for the year 1952-53.

TABLE 2 : METAL FABRICATING INDUSTRIES : AUSTRALIA, 1952-53

Industry	Number of Factories	Persons Employed (a)	Salaries & Wages Paid (b)	Power Fuel & Light etc. Used	Materials etc. Used (c)	Value of Production (d)	Value of Output
	No.	No.	£'000	£'000	£'000	£'000	£'000
Foundries (Ferrous)	373	6,584	4,990	643	4,026	7,337	12,006
Plant, Equip. & Machinery	1,787	60,140	45,414	2,095	63,134	70,790	136,019
Other Engineering	1,975	20,005	13,804	460	14,041	21,551	36,052
Electrical Machinery	965	31,949	22,903	991	36,668	38,633	76,292
Cutlery & Small Hand Tools	131	2,595	1,828	140	1,885	3,595	5,620
Agricultural Machines	270	11,608	8,838	600	11,103	12,787	24,490
Non-Ferrous Founding, Casting, etc.	418	7,074	4,938	487	8,917	7,783	17,187
Sheet Metal Working	790	18,052	12,442	655	30,167	20,574	51,396
Pipes, Tubes & Fittings-Ferrous	34	5,685	4,855	763	10,714	8,612	20,089
Wire & Wire Working	225	6,844	5,107	459	12,780	8,762	22,001
Stoves, Ovens and Ranges	62	4,186	3,222	408	3,155	4,329	7,892
Gas Fittings & Meters	13	591	440	13	285	556	854
Lead Mills	8	106	89	19	641	200	860
Sewing Machines	26	311	195	3	75	284	362
Arms, Ammunition	16	4,631	3,476	175	4,631	3,625	8,431
Wireless and Amplifying Apparatus	149	6,912	4,707	179	7,661	6,042	13,882
Other Metal Works	211	2,169	1,380	93	807	2,082	2,982
TOTAL:	7,453	189,442	138,628	8,183	210,690	217,542	436,415

(a) Average over whole year; includes Working Proprietors. (b) Excludes amounts drawn by Working Proprietors. (c) Includes also value of containers, packing, etc., replacements of tools and repairs to plant. (d) See note (d) to Table 1.

In the following table particulars of the Metal Fabricating Industries are given for each State during the year 1952-53.

TABLE 3 : METAL FABRICATING INDUSTRIES
STATES, 1952-53

Particulars	N.S.W.	VIC.	Q'LD.	S.A.	W.A.	TAS.	AUST.
No. of Factories	3,113	2,650	522	576	456	136	7,453
No. Employed (a) -							
Males	72,325	55,306	12,728	17,860	6,607	1,759	166,585
Females	11,744	7,214	855	2,481	419	144	22,857
Total	84,069	62,520	13,583	20,341	7,026	1,903	189,442
	£	£	£	£	£	£	£
Value of -							
Salaries & Wages Paid (b)	63,345,870	45,987,466	8,705,565	14,667,496	4,539,632	1,381,594	138,627,623
Power, Fuel & Light, etc. Used	4,098,030	2,331,120	414,575	974,883	319,231	45,519	8,183,358
Materials, etc. Used	98,579,133	69,256,557	12,275,912	22,208,608	6,647,878	1,722,065	210,690,153
Production (c)	99,908,482	73,068,200	12,966,002	22,188,669	7,302,887	2,107,093	217,541,333
Output	202,585,645	144,655,877	25,656,489	45,372,160	14,269,996	3,874,677	436,414,844
Land and Buildings	32,303,339	24,824,357	3,395,506	6,374,042	2,640,527	792,826	70,330,597
Plant and Machinery	27,374,511	24,763,410	3,316,385	5,619,417	1,933,867	566,194	63,579,784
	H.P.	H.P.	H.P.	H.P.	H.P.	H.P.	H.P.
H.P. of Engines Ordinarily in Use	260,369	206,477	37,065	61,223	21,321	5,353	591,808

(a) Average over whole year; includes Working Proprietors. (b) Excludes amounts drawn by Working Proprietors. (c) See note (d) to Table 1.

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, 1946-47, 1950-51 to 1952-53.

TABLE 4 : METAL FABRICATING INDUSTRIES : AVERAGE 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
	£	£	£	%
1945-46 ..	300	752	437	66.99
1946-47 ..	321	918	463	67.36
1950-51 ..	562	1,770	864	63.30
1951-52 ..	698	2,198	1,058	64.23
1952-53 ..	754	2,304	1,148	63.72

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

4. **ARTICLES PRODUCED:** Particulars of the total Australian output of articles produced principally in the Metal Fabricating Industries 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 ARTICLES PRODUCED PRINCIPALLY IN
METAL FABRICATING INDUSTRIES : 1952-53**

Articles Produced	Quantity	Selling Value at Works
<u>Agricultural Implements and Machines</u>	<u>Number</u>	<u>£</u>
Tillage -		
Ploughs (all types)	16,391	(a)
Cultivators	18,717	(a)
Harrow (all types)	53,480	(a)
Scarifiers	4,629	(a)
Parts	(b)	1,371,565
Seeding and Planting -		
Drills	2,203	(a)
Combines	3,182	(a)
Other Planters	2,850	(a)
Parts	(b)	468,849
Harvesting -		
Harvesters and Reaper Threshers	4,151	(a)
Mowers	4,657	(a)
Hay Rakes	3,135	(a)
Parts	(b)	956,196
Windmills (complete)	9,095	573,364
Towers	(b)	167,078
Engines	380	12,811
Chaffcutters	633	(a)
Sheep Shearing Machinery and Parts	(b)	763,256
Milking Machines and Parts	(b)	276,012
Vacuum Pumps for Milking Machines	2,998	58,227
Cream Separators	-	-
Cream Separator Parts	(b)	15,413
Feed Grinders	1,729	(a)
Hay Baling Presses	973	(a)
Wool Presses	4,051	(a)
Saw Benches - Stationary	1,566	(a)
Portable	1,349	(a)
Fruit Graders	127	(a)
Bag Loaders	2,486	(a)
Tree Pullers	431	(a)
Fertilizer Spreaders	5,088	(a)
Elevators, Farm	943	(a)
Potato Diggers	470	(a)
Rotary Weeders	(c)	(c)
<u>Dairying and Domestic Utensils -</u>		
Milk Buckets	78,613	53,966
Milk and Cream Cans	61,158	242,784
Garbage and Sanitary Pans	(b)	222,023
Kitchenware - Pressure Cookers	52,241	207,084
Other Aluminium Ware	(b)	1,571,248
Brass and Copper	(b)	9,540
Enamelled	(b)	333,436
Other	(b)	1,026,544
<u>Domestic Metalware -</u>		
Baths - Enamelled	64,720	1,128,287
Other	11,429	53,741
Sinks - Stainless Steel	139,595	2,106,985
Enamelled	18,573	118,347
Other (Metal)	5,903	11,367
Tubs - Metal	43,271	41,622
Coppers, Inserts (all types)	79,407	205,882
Wash Boilers Complete - Electric	24,673	315,726
Gas	25,039	252,060
Hot water systems and water heaters -		
Storage Systems -		
Electric	41,647	1,373,145
Gas	5,912	197,052
Solid Fuel	5,800	210,727
Kerosene and Oil	4,872	113,768
Sink Heaters -		
Electric	14,288	134,992
Gas	6,139	77,746
Bath Heaters (complete) -		
Electric	17,440	236,418
Gas	23,367	340,301
Solid Fuel	41,086	212,544
Kerosene	11,609	109,477

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

**TABLE 5 : TOTAL AUSTRALIAN PRODUCTION OF ARTICLES PRODUCED PRINCIPALLY IN
METAL FABRICATING INDUSTRIES, 1952-53 (continued).**

Articles Produced	Quantity	Selling Value at Works
Electrical Machinery and Apparatus -	Number	£
Dynamos - Alternators	200	64,425
Generators	8,194	1,041,712
Transformers and Converters -		
(a) Above 20 K.V.A. -		
(i) For Industrial Power and Light	} 3,343	2,379,530 {
(ii) For Other Industrial Uses ..		
(b) Below 20 K.V.A. -		
(i) For Neon Signs	15,121	80,833
(ii) For Radio, Electrical Toys, etc.	91,206	125,466
(iii) For Industrial Power and Light	37,566	439,249
(iv) For Other Industrial Uses ..	63,191	206,311
Batteries (manufactured and/or assembled) -		
(a) Dry Cell Type	(c)	(c)
(b) Wet Cell Type -		
(i) Automobile, Radio	986,319	3,762,118
(ii) For Power Plants	119,506	548,001
(iii) Other	39,890	394,596
Battery Components	(b)	525,835
Lamps, etc. For Electric Light (complete)	(c)	(c)
Telegraph and Telephone Apparatus ..	(b)	5,252,636
Meters - Electric - Domestic	231,381	1,155,299
Other	40,370	177,373
Other Measuring and Recording Apparatus ..	(b)	174,379
Other Electrical Appliances -		
Vacuum Cleaners (complete) -		
Domestic	38,398	624,849
Commercial	(c)	(c)
Floor Polishing and Sanding Machines ..	18,822	359,595
Electric Irons	179,842	350,793
Fans	38,560	378,231
Toasters - Domestic	117,815	179,048
Commercial	(c)	(c)
Radiators and Electric Fires	72,083	226,931
Hot Water Jugs (complete)	109,995	168,244
Kettles	25,042	73,023
Urns	4,841	51,608
Immersion Heaters	71,876	73,676
Mixing Machines - Domestic (d)	125,355	1,845,533
Commercial	151	20,424
Dish Washing Machines -		
Domestic	(c)	(c)
Commercial	(c)	(c)
Water Coolers	484	54,678
Electric Clocks (complete)	1,284	6,660
Miscellaneous Electrical Apparatus -		
Regulating, Starting, Controlling	(b)	6,355,775
Household Fittings (Switches, Fuses, etc.)	(b)	1,376,107
Portable Tools and Appliances	(b)	437,220
Intercommunication Systems	(b)	139,445
Air Conditioning Equipment	(b)	2,024,150
Cold Lighting (Neon Signs, etc.)	(b)	1,819,538
Film Projectors	957	69,668
Electric Motors -		
Under 1 H.P.	566,855	(a)
1 H.P. and under 2½ H.P.	15,502	(a)
2½ H.P. and under 5 H.P.	7,983	(a)
5 H.P. and under 10 H.P.	4,897	(a)
10 H.P. and under 50 H.P.	5,637	(a)
50 H.P. and under 100 H.P.	} 785	(a) {
100 and over		
TOTAL ELECTRIC MOTORS	601,659	(a)

(a) Quantity only available. (b) Value only available. (c) Not available for publication. (d) Includes both "Beater" and "Liquidiser or Pulveriser" type.

TABLE 5 : TOTAL AUSTRALIAN PRODUCTION OF ARTICLES PRODUCED PRINCIPALLY IN METAL FABRICATING INDUSTRIES, 1952-53 (Continued)

Article Produced	Unit of Quantity	Quantity	Selling Value at Works (£)
Engines -			
Marine - Steam	number	52	(a)
Diesel	"	1,227	(a)
Petrol and other Light Oils	"	(a)	(c)
Other than Marine -			
Steam	"	-	(a)
Diesel -			
Under 2 H.P.	"	4,233	(a)
2 H.P. and under 6 H.P.	"	1,327	(a)
6 H.P. and over	"	5,560	(a)
TOTAL DIESEL			
Petrol and other Light Oils -			
Under 2 H.P.	"	5,401	(a)
2 H.P. and under 6 H.P.	"	8,598	(a)
6 H.P. and under 50 H.P.	"	1,270	(a)
TOTAL PETROL AND OTHER LIGHT OILS			
Hand Tools, Cutlery, Sawn -			
Tools, Garden, Farm and Field -			
Axes	dozen	(c)	(c)
Cultivators, Hand	"	4,134	15,992
Forks, Garden and Farm	"	5,523	41,647
Hoes	"	6,835	19,651
Rakes	"	9,148	34,136
Spades and Shovels	"	21,821	179,898
Tools, Hand, Tradesmen's -			
Chisels	"	23,152	62,741
Files and Rasps	"	(c)	(c)
Hammers -			
All Types	"	23,968	112,369
Drills and Bits	-	(b)	149,634
Spanners and Wrenches	-	(b)	329,172
Vices	-	(b)	204,465
Blow Lamps	dozen	1,725	39,379
Screwdrivers	"	(c)	(c)
Cutlery, Saws, etc. -			
Knives -			
Guillotine and Woodworking	"	10,393	198,971
Household - Table	"	38,956	82,206
Utility	"	(c)	(c)
Other (Butter, etc.)	"	7,247	15,589
Forks - Household	"	181,240	209,441
Spoons - Household	"	260,604	267,930
Scissors	"	(c)	(c)
Saws - Circular	-	(b)	418,486
Hand	-	(b)	40,964
Other	-	(b)	124,341
Engineers' Small Tools (all types)	-	(b)	2,059,995
Miscellaneous Metal Products -			
Structural Steel, Fabricated	ton	130,029	12,538,992
Metal Furniture and Office Equipment	-	(b)	5,710,450
Metal Window Frames	-	(b)	2,568,252
Water Meters	number	56,718	506,633
Railway and Deck Spikes	ton	1,854	139,442
Bolts and Nuts	-	(b)	2,765,231
Rivets	-	(b)	223,653
Washers	-	(b)	201,148
Screws	-	(b)	76,037
Razor Blades	gross	(c)	(c)
Reinforcing Steel Rods	ton	11,326	564,945
Fence Posts and Droppers	"	26,914	955,164
Springs -			
Laminated	-	(b)	1,266,166
Heavy Coil	-	(b)	646,308
Light Coil	-	(b)	788,096
Bearings - Ball and Roller	-	(b)	297,420
Metal Badges	-	(b)	216,072
Steel Safes and Doors	-	(b)	321,306
Pneumatic Tools	-	(b)	69,055

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

8. TABLE 5 : TOTAL AUSTRALIAN PRODUCTION OF ARTICLES PRODUCED PRINCIPALLY IN
METAL FABRICATING INDUSTRIES : 1952-53 (Continued)

Articles Produced	Unit of Quantity	Quantity	Selling Value at Works (£)
Non-Ferrous Metalware -			
Steam, Gas, Water Fittings, Valves and Parts		(b)	5,634,256
Window and Door Fittings		(b)	950,860
Furniture Fittings		(b)	253,533
Safety Pins		(b)	(c)
Slide Fasteners		(b)	520,670
Pipes, Tubes and Fittings - Ferrous -			
Pipes and Tubes -			
(1) Seamless Steel (excluding Sheet Metal) -			
(i) Diameter 3" and under ..	ton	17,640	2,005,997
(ii) Diameter over 3" ..	"	33,231	2,647,950
(2) Welded Steel (excluding Sheet Metal) -			
(i) Diameter 3" and under ..	"	117,297	6,646,186
(ii) Diameter over 3" ..	"	61,633	4,152,099
(3) Cast Iron -			
(i) Diameter 3" and under ..	"	444	26,890
(ii) Diameter over 3" ..	"	36,403	1,368,423
(4) Conduit Tubing	"	5,511	603,708
(5) Other Types (excluding Sheet Metal)	"	1,030	111,562
Pipes Fittings (Ferrous) - All Types		(b)	2,711,836
Plant Equipment, Machinery -			
Steam Engine Boilers -			
(1) Water Tube	number	1,295	538,729
(2) Other	"	345	302,263
Lawn Mowers -			
(1) With Motor - Electric	"	12,849	281,545
(2) With Engine - Petrol, etc. ..	"	5,614	225,424
(3) Hand	"	54,186	328,521
(4) Horse or Tractor Drawn	"	269	18,660
Sewing Machines -			
Domestic - Assembled	"	39,432	(a)
Industrial - Assembled	"	1,031	(a)
Ice chests - Wood - Metal Lined ..	"	3,747	49,393
All Metal	"	5,342	75,541
Household Machinery and Appliances -			
Washing Machines -			
Electric	"	92,638	4,746,751
Other	"	740	17,750
Clothes Wringers	"	6,573	76,482
Ironing Machines - Electric	"	(c)	(c)
Construction and Earth-moving Equipment			
Power Shovels	"	37	252,220
Tractor Mounted Loaders - Made ..	"	304	267,452
Assembled	"	44	(a)
Dozers - Made	"	1,134	666,386
Assembled	"	188	(a)
Graders - Self Propelled - Made ..	"	285	1,818,793
Assembled	"	32	(a)
Tractor Drawn	"	347	31,900
Scrapers - Tractor Drawn - Made ..	"	191	233,697
Assembled	"	26	(a)
Scrapers - Self Propelled	"	(c)	(c)
Scoops - Made	"	1,975	205,823
Assembled	"	39	(a)
Rippers and Rooters	"	836	(a)
Road Ploughs	"	(c)	(c)
Road Rollers	"	46	(a)
Sheeps Foot Rollers	"	24	26,017
Rock Buggies	"	(c)	(c)
Concrete Mixers - Hand Driven ..	"	788	16,861
Power Driven	"	1,742	315,168
Concrete Mixing Machinery	"	(b)	48,792
Bitumen Mixers, Sprayers and Heaters	"	131	194,067
Conveyors and Appliances	"	(b)	547,350
Hoists, Cranes, Lifting Machinery ..	"	(b)	2,502,224
Stone Crushing Machinery	"	(b)	366,532
Earthmoving & Roadmaking Equipment, n.e.i.	"	(b)	1,363,798

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

TABLE 5: TOTAL AUSTRALIAN PRODUCTION OF ARTICLES PRODUCED PRINCIPALLY IN
METAL FABRICATING INDUSTRIES: 1952-53 (Continued)

Articles Produced	Unit of Quantity	Quantity	Selling Value at Works (£)
Industrial Machinery and Parts -			
Air Conditioning		(b)	2,024,150
Bakery		(b)	670,758
Boot and Shoe		(b)	314,205
Brick and Pottery		(b)	272,413
Butchery		(b)	333,226
Confectionery		(b)	105,039
Dairy and Butter Making		(b)	1,371,243
Flour Milling		(b)	287,633
Food Processing and Canning		(b)	1,198,628
Laundry, (including Commercial Ironing and Washing)		(b)	668,811
Mechanical Stokers		(b)	114,024
Metalworking Machine Tools - Lathes		(b)	850,411
Other		(b)	1,525,728
Other		(b)	3,031,720
Mining		(b)	2,661,504
Printing		(b)	301,296
Pumping (including Pumps)		(b)	3,771,022
Refrigerating (not household)		(b)	2,476,425
Rubber making and working		(b)	762,019
Seed Cleaning		(b)	(c)
Sugar		(b)	960,988
Textile		(b)	669,753
Weighing Appliances		(b)	536,302
Woodworking and Sawmilling		(b)	1,333,661
Refrigerators -			
(i) Domestic (d)			
Electric - Compression	Number	155,090	15,683,080
Absorption - All Types	"	27,063	1,743,835
Total Domestic		182,153	17,426,915
(ii) Industrial			
Electric - Compression	"	1,127	403,303
Freezers for Quick Frozen Foods	"	1,502	262,255
Sheet and Pressed Metalware -			
Packers' Cans, Canisters and Containers		(b)	20,796,821
Crown Seals and Bottle Closures (Metal) (e)		(b)	1,144,478
Eyelets		(b)	267,318
Wheel Barrows - Metal	number	62,364	268,791
Ceiling Sheets (Metal)	sq. yd.	(c)	(c)
Tiles - Roofing (metal)	thousand	1,090	82,391
Traps - Rat and Mouse	gross	(c)	(c)
Rabbit	gross	(c)	(c)
Wireless Chassis (unmounted)	number	22,633	15,220

(a) Quantity only available. (b) Value only available. (c) Not available for publication. (d) Up to 12 cubic feet capacity. (e) Plastic Bottle Tops, Closures, etc. £217,956.

TABLE 5 : TOTAL AUSTRALIAN PRODUCTION OF ARTICLES PRODUCED PRINCIPALLY IN METAL FABRICATING INDUSTRIES : 1952-53 (Continued)

Articles Produced	Unit of Quantity	Quantity	Selling Value at Works
Stoves, Ovens & Ranges (other than Industrial Drying Ovens)			£
Cooking - Solid Fuel - Domestic ..	number	47,933	878,944
Commercial ..	"	546	60,170
Electric - Domestic Ranges - Fixed	"	23,316	1,024,619
" Portable	"		
" Ranges	"	27,081	539,590
" Grill Boilers	"	13,088	69,523
Commercial Ranges	"	468	157,894
Gas - Domestic ..	"	35,731	1,117,741
Commercial ..	"	367	32,950
Oil - Domestic ..	"	34,160	138,317
Commercial ..	"	716	319,782
Primus Type ..	"	2,972	13,530
Small Spirit Burners	"	(c)	(c)
Heating - Solid Fuel (Slow Combustion)	"	21,581	433,556
Electric - Domestic ..	"	(c)	(c)
Commercial ..	"	(c)	(c)
Gas - Gas Fires and Room Heaters	"	1,841	30,137
Other ..	"	-	-
Oil - Kerosene Room Heaters	"	94,047	881,237
Other ..	"	(c)	(c)
Tractors - Crawler Type - Maximum Draw bar H.P.-			
Under 10 H.P. ..	"	268	(a)
10 H.P. and under 35 H.P.	"	125	(a)
35 H.P. " " 50 H.P.	"	198	(a)
50 H.P. " over ..	"	65	(a)
Total Crawler Type:	"	656	(a)
Wheeled Type - Maximum Ball			
Fulley H.P. -			
Up to and inc. 20 H.P.	"	3,671	(a)
21 H.P. and up to 30 H.P.	"	776	(a)
31 H.P. and up to 40 H.P.	"	3,939	(a)
41 H.P. and over ..	"	1,147	(a)
Total Wheeled Type:	"	9,533	(a)
Trailers - Conventional Flat Top -			
2-Wheel ..	"	1,220	159,307
4-Wheel ..	"	810	301,398
Low Loading ..	"	49	59,268
All Other ..	"	1,110	221,034
Semi-Trailers - Low Loading ..	"	78	131,277
All Other ..	"	293	289,154
Total Trailers and Semi-Trailers	"	3,560	1,231,438
Wireless Apparatus -			
Domestic Receiving Sets - made or assembled-			
Without Cabinet ..	"	1,273	20,735
With Cabinet - Radiograms ..	"	66,858	3,131,007
Mantel, Table, Console ..	"	123,619	1,792,099
Car Radios ..	"	24,065	421,137
Portable (other) ..	"	84,029	1,450,366
Parts Made ..	"	(b)	1,778,936
Valves for Receiving Sets ..	"	(c)	(c)
Valves for Transmitting Sets ..	"	(c)	(c)
Wireless Transmitting Apparatus ..	-	(b)	1,839,596
Other Wireless and Amplifying Apparatus	-	(b)	1,260,621

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

TABLE 5 : TOTAL AUSTRALIAN PRODUCTION OF ARTICLES PRODUCED PRINCIPALLY IN
METAL FABRICATING INDUSTRIES : 1952-53 (Continued).

Articles Produced	Unit of Quantity	Quantity	Selling Value at Works
Wire and Wire Working (d)			£
Main Wire - Bright (Black) ..	ton	91,575	3,984,848
Galvanized	"	44,756	2,111,577
Barbed	"	16,743	977,554
Other (inc. Box Strapping) ..	"	8,941	539,658
Wire Netting	"	17,146	1,328,889
Woven Wire (incl. Link and Fine Wire Mesh) ..	"	(b)	2,145,553
Nails	"	18,392	1,376,458
Staples	"	508	39,487
Wall Ties	"	115	8,083
Wire Gates	"	(b)	1,169,971
Steel Wool	lb.	1,447,022	297,904

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

The next table sets out comparative details of the total Australian production of some of the more important articles for which quantities are available, produced principally in this group, for the years 1938-39, 1951-52, 1952-53 and where available, preliminary details for 1953-54.

TABLE 6 : ARTICLES PRODUCED : METAL FABRICATING INDUSTRIES : AUSTRALIA

Item	Unit of Quantity	1938-39	1951-52	1952-53	1953-54 (a)
Cultivators	number	8,501	18,977	18,717	(b)
Drills and Combines	"	2,145	4,812	5,385	(b)
Dynamos - Alternators	"	73	508	200	(b)
Generators	"	477	16,256	8,194	(b)
Electric Motors (all H.P.'s) ..	"	31,725	610,363	601,659	977,876
Engines - Marine - Petrol and other					
Light Oils	"	2,957	2,112	1,227	1,365
Other (c) - Petrol and other					
Light Oils	"	1,886	26,206	15,269	20,092
Diesel	"	1,003	4,225	5,560	3,785
Fencing Wire	ton	115,048	156,896	162,015	(b)
Harrows	number	22,242	38,453	53,480	(b)
Harvesters and Reaper Threshers ..	"	2,636	2,933	4,151	(b)
Nails	ton	16,969	24,751	18,392	(b)
Ploughs (all types)	number	12,047	16,358	16,391	(b)
Refrigerators - Domestic -					
Electric - Compression	"	29,499	131,245	155,000	250,783
Absorption - All types	"		60,967	27,063	25,799
Stoves, Ovens and Ranges - Domestic -					
Cooking -					
Solid Fuel	"	54,461	71,695	47,933	49,113
Gas	"	46,733	51,037	35,731	43,963
Electric (d)	"	8,757	101,769	63,485	80,342
Structural Steel Fabricated ..	ton	86,416	119,205	130,029	(b)
Tractors (made and assembled) ..	number	2,533	15,684	10,189	(b)
Transformers and Converters -					
Above 20 K.V.A.	"	1,906	3,039	3,343	(b)
Below 20 K.V.A.	"	161,397	235,612	207,084	(b)
Washing Machines - Electric ..	"	(e)	99,429	92,638	145,994
Wireless - Domestic Receiving Sets					
(made and assembled)	"	163,821	356,153	298,571	432,652
Wire Netting	ton	12,240	13,164	17,146	(b)

(a) Preliminary; subject to revision.

(b) Not yet available.

(c) Excluding Motor Car, Motor Cycle, Tractor or Aero.

(d) Fixed Ranges, Portable Ranges and Grill Boilers.

(e) Not collected.

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 1950-51 to 1952-53 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		1950-51		1951-52		1952-53	
	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	4	1,030	2,158	1,781	3,732	2,039	4,100	2,357
4		326	1,304	506	2,024	551	2,204	550
5 to 10	10	1,146	8,135	1,705	11,942	1,839	12,877	1,925
11 to 20	20	716	10,476	1,013	14,826	1,062	15,462	1,080
21 to 50	50	693	22,103	880	27,487	924	29,099	842
51 to 100	100	288	20,686	349	24,596	355	25,220	355
101 to 200	200	161	22,637	189	26,104	197	27,397	185
201 to 300	300	68	16,466	75	18,470	72	17,704	68
301 to 400	400	29	9,807	36	12,438	41	14,043	34
401 to 500	500	16	7,150	17	7,537	18	7,958	13
501 to 750	750	19	11,315	25	15,243	25	15,737	18
751 to 1,000	1,000	7	5,840	8	7,250	8	7,040	12
1,001 and over		11	16,717	19	29,152	18	28,151	14
<u>TOTAL:</u>		4,510	154,794	6,603	200,801	7,149	206,992	7,453
Average number Employed per Factory		34		30		29		26

In table 8 the numbers of males employed in the Metal Fabricating Industries are shown for the years 1945-46 and 1950-51 to 1952-53 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	1950-51	1951-52	1952-53
<u>Males</u>				
Working Proprietors	3,454	4,987	5,347	5,389
Managerial and Clerical Staff, incl. Salaried Managers and Working Directors ..	9,937	15,370	16,042	15,963
Chemists, Draftsmen and other Laboratory and Research Staff	2,688	3,691	3,683	3,660
Foremen and Overseers	5,762	8,837	9,192	9,202
Workers in Factory (Skilled or Unskilled) Carters (excl. Delivery only), Messengers and Persons Working regularly at Home	109,621	138,081	142,615	131,880
	515	660	472	491
<u>Males</u>				
	131,977	171,626	177,351	166,585
<u>Females</u>				
	21,582	28,494	28,987	22,857
<u>Persons</u>				
	153,559	200,120	206,338	189,442
<u>TOTAL</u>				

The number of persons employed on or about 15th June for the years 1946 and 1950 to 1953 in the seventeen industries combined are shown distributed according to age and sex in Table 9.

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

AUSTRALIA
(Excluding Working Proprietors)

June	Under 16 yrs.	16 yrs.	17 yrs.	18 yrs.	19 yrs.	20 yrs.	Total 16 to 20 years	21 yrs. and over	Total All Ages
Males									
1946	2,188	3,452	4,246	4,869	4,322	4,074	20,963	111,283	134,434
1950	1,554	2,251	2,746	3,001	3,361	3,660	15,019	144,913	161,486
1951 (a)	1,540	2,289	2,596	2,840	2,872	3,186	13,783	154,988	170,311
1952 (a)	1,752	2,437	2,779	2,626	2,723	2,728	13,293	152,330	167,375
1953 (a)	1,931	2,834	3,092	3,002	2,776	2,821	14,525	146,812	163,268
Females									
1946	436	628	909	1,158	1,031	1,096	4,822	13,976	19,234
1950	349	551	693	772	894	985	3,895	22,234	26,478
1951 (a)	401	627	670	829	852	949	3,927	25,324	29,652
1952 (a)	358	560	693	686	716	742	3,397	20,902	24,657
1953 (a)	420	625	745	763	764	815	3,712	19,243	23,375

(a) At 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 horse-power of engines ordinarily in use, together with those in reserve or idle.

**TABLE 10 : METAL FABRICATING INDUSTRIES : TYPES AND RATED HORSE-POWER OF ENGINES:
AUSTRALIA**

Class of Engine	Rated Horse-power of Engines					
	Ordinarily in Use			In Reserve or Idle		
	1950-51	1951-52	1952-53	1950-51	1951-52	1952-53
Steam - Reciprocating	2,270	3,505	3,288	747	728	848
Turbine	3	25	28	8	8	25
Internal Combustion - Gas	626	413	183	303	287	434
Petrol or other						
Light Oils	15,335	26,008	18,318	9,981	12,763	21,727
Heavy Oils	20,255	22,272	15,600	7,274	8,530	10,644
Water	-	1	1	-	-	26
Total Prime Movers:	38,489	52,224	37,418	18,313	22,316	33,704
Motors driven by electricity - Purchased	520,178	527,269	554,390	30,950	33,100	39,572
Own Generation	(a)7,177	(a)6,696	(a)7,382	741	1,105	2,002
Total Electricity:	527,355	533,965	561,772	31,691	34,205	41,574
TOTAL POWER USED:	558,667	579,493	591,808	50,004	56,521	75,278

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

7. POWER, FUEL AND LIGHT, ETC. USED: Details of the quantities and values of the various items of power, fuel and light, etc. used in factories engaged in the Metal Fabricating Industries are shown in the following table for the years 1950-51 to 1952-53.

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

AUSTRALIA

Particulars	Unit of Quantity	Quantity			Value (£)		
		1950-51	1951-52	1952-53	1950-51	1951-52	1952-53
Power, Fuel and Light -							
Coal - Black	ton	65,327	67,694	65,786	184,868	261,547	301,823
Brown	"	20,144	21,614	19,339	29,913	43,308	47,011
Brown Coal							
Briquettes	"	1,005	906	1,509	2,865	3,611	6,266
Coke	"	113,547	120,097	99,567	742,683	950,140	917,658
Wood	"	37,931	37,193	31,515	67,021	82,016	75,899
Fuel Oil	gallon	17,209,439	17,742,772	18,229,481	1,129,289	1,608,329	1,607,267
Tar fuel	"	941,407	1,080,789	872,318	33,398	58,475	50,582
Electricity	-	(a)	(a)	(a)	2,397,891	3,366,085	3,802,913
Gas	-	(a)	(a)	(a)	474,723	698,818	726,438
Other (Charcoal etc.)	-	(a)	(a)	(a)	25,916	25,963	23,146
Water & Lubricating Oil Used	-	(a)	(a)	(a)	469,699	603,277	624,355
<u>TOTAL:</u>		(a)	(a)	(a)	5,558,286	7,701,576	8,183,358

(a) Value only available.

8. VALUE OF LAND AND BUILDINGS, PLANT AND MACHINERY: Particulars of the book values of premises occupied and plant used in the Metal Fabricating Industries as at 30th June for the years 1945-46 and 1949-50 to 1952-53 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 & 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	4,556,763	438,357	2,512,949
1949-50	40,615,259	38,827,728	3,649,755	8,420,954	464,051	4,367,834
1950-51	50,343,428	46,307,071	4,920,772	11,463,341	543,490	5,779,790
1951-52	61,551,439	57,322,685	6,924,845	12,363,122	594,687	5,276,575
1952-53	70,330,597	63,579,784	7,079,619	11,379,206	705,373	5,247,544

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

9. OVERSEA TRADE: Particulars of imports and exports of a number of miscellaneous products of the Metal Fabricating Industries are given for the years 1938-39, 1945-46 and 1950-51 to 1952-53 in the following table.

**TABLE 13 : IMPORTS AND EXPORTS OF MISCELLANEOUS PRODUCTS OF THE
METAL FABRICATING INDUSTRIES : AUSTRALIA**

IMPORTS					
Particulars	1938-39	1945-46	1950-51	1951-52	1952-53
PLANT, EQUIPMENT & MACHINERY INCL. MACHINE TOOLS	£A.f.o.b.	£A.f.o.b.	£A.f.o.b.	£A.f.o.b.	£A.f.o.b.
Boilers, including Parts ..	138,917	132,037	609,853	842,999	1,226,011
Engines -					
Diesel ..	380,146	708,708	2,769,898	4,399,576	2,239,485
Steam ..	105,644	67,479	135,509	370,241	192,469
Other (except Motor Vehicle) including Parts of All Types of engines ..	522,198	3,093,823	5,516,819	7,052,017	8,356,901
Tractors, all Types and Parts ..	1,231,018	3,559,768	20,656,183	23,379,049	1,232,716
Road Rollers and Parts ..	1,414	14,406	56,292	166,641	135,036
Tractors - Engine Units ..	(a)	78,707	980,989	1,216,528	575,496
Machines -					
Adding and Computing ..	179,203	242,576	1,854,300	2,367,154	1,295,488
Lawn Mowers (Garden) ..	25,306	25,392	589,035	755,985	89,014
Machinery -					
Printing ..	379,023	112,347	2,479,576	1,848,629	1,352,127
Textile-working ..	451,959	613,336	731,316	6,566,663	4,404,181
Typewriters, including Parts ..	255,539	124,557	804,482	1,403,341	520,546
Weighing Machines, Weighbridges, Scales and Balances, etc. ..	83,517	67,743	287,491	439,025	277,970
Woodworking Machinery ..	66,568	86,030	606,814	938,476	425,285
Metal-working ..	1,508,118	751,767	3,09,038	9,062,178	9,060,530
Mining ..	322,418	159,570	606,633	2,186,682	2,717,105
Refrigerators and Parts ..	326,294	88,908	1,884,418	3,528,502	450,839
Paper-working ..	93,908	42,506	559,088	612,219	549,902
Paper-making ..	146,707	21,617	913,635	193,578	498,986
AGRICULTURAL AND DAIRYING MACHINERY-					
Ploughs, Cultivators, Harrows					
Scarifiers and Parts ..	65,129	38,990	800,451	1,772,226	794,285
Planting, Seeding and Fertilizing ..	5,172	4,409	22,396	31,924	17,540
Harvesting (except Mowers) ..	64,771	36,020	578,483	1,842,351	1,954,245
Mowing (except Lawn) and Parts ..	32,881	34,449	242,578	413,658	143,124
All Other ..	43,265	52,191	575,742	863,711	835,172
Dairy and Milk Products Plant Machinery -					
Cream Separators ..	101,177	129,431	297,184	309,780	337,906
Dairy Coolers and Pasteurizers ..	71,658	8,296	172,245	284,105	290,486
All Other ..	56,333	25,009	177,955	166,308	165,981
ELECTRICAL MACHINERY AND EQUIPMENT OTHER THAN WIRELESS APPARATUS -					
Batteries and Accumulators ..	47,125	95,909	544,297	1,011,643	353,356
Cable and Wire (Covered) ..	1,407,231	694,957	4,557,083	3,197,234	3,531,404
Carbon Manufactures ..	96,576	111,733	363,800	502,620	471,304
Dynamo Electric Machinery -					
Alternators, Generators, etc. ..	80,307	105,549	630,225	988,625	811,427
Current Generating Machinery ..	11,806	567,204	1,563,912	2,733,159	2,247,776
Electric Motors under 1 H.P. ..	196,001	116,457	173,495	1,788,805	689,618
Electric Motors over 1 H.P. ..	602,405	151,556	1,757,611	2,774,583	2,713,590
Other ..	26,272	22,708	34,722	56,537	81,159
Electric Lamps including Gas-filled Tubes or Bulbs ..	193,801	192,720	860,192	1,194,398	403,378
Heating and Cooking Appliances (except Stoves, Ranges, Ovens, Grillers, etc.) ..	60,887	21,712	218,626	329,018	199,176
Measuring and Recording Instruments ..	176,513	167,555	383,468	443,083	311,330
Protective Equipment (excluding Telephone and Telegraph) ..	45,341	84,598	473,442	801,662	728,719
Regulating, Starting and Controlling Apparatus ..	648,424	551,614	3,536,782	5,035,499	5,103,455
Telegraph and Telephone Equipment ..	1,209,776	1,272,654	4,469,404	4,644,914	2,244,504
Transformers and Rectifiers ..	121,793	181,708	1,989,854	3,894,776	4,206,230
Other Electrical Machinery and Appliances ..	209,780	425,903	1,639,557	2,749,353	1,772,921

(a) Not recorded separately.

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	1950-51	1951-52	1952-53
STOVES AND OVENS -						
Coal and other Solid Fuel Stoves, Grates and Ranges	f.a.f.o.b.	16,548	41,618	621,394	1,075,195	410,271
Gas Cooking Stoves, Ranges and Heating Appliances	"	76,497	17,214	207,883	423,821	139,987
Electric Stoves, Ranges, Ovens, Grillers and the like	"	91,451	28,971	722,970	1,849,856	63,965
WIRELESS VALVES & APPARATUS -						
Wireless Valves (excluding parts)	no.	495,670	478,299	1,033,065	1,431,914	534,967
Wireless Sets and Equipment	f.a.f.o.b.	159,226	268,369	386,404	514,349	366,196
	"	124,844	667,738	317,211	436,133	359,562
WIRE AND WIRE-WORKING -						
Wire of No. 15 Gauge or finer-						
Galvanized ..	ton	2,129	373	2,283	2,772	296
Plain ..	"		474	908	1,015	275
N.E.I. ..	"		435	963	1,462	88
Wire of Gauges coarser than No. 15 -						
Fencing ..	"	1,762	2	24,380	17,792	842
Steel Nail ..	"	822	11	686	867	3
Other -						
Galvanized ..	"	1,111	13	14,771	15,465	2,062
Plain ..	"	(a)	1	956	434	454
N.E.I. ..	"	688	107	4,592	4,471	147
Manufactures of Wire -						
Barbed Wire ..	"	102	-	12,426	11,751	699
Cable -						
Under 1 inch in circumference	"	342	106	666	887	493
1" and over in circumference	"	552	160	1,785	1,777	1,164
Metal Clothes Line ..	"	-	2	454	313	178
Wire Nails and Staples ..	"	25	11	7,585	3,977	239
Wire Netting ..	"	24	-	27,957	25,599	3,083
Woven Wire ..	"	32	26	265	1,287	235
PIPES, TUBES AND FITTINGS (b) -						
IRON AND STEEL -						
Boiler Tubes ..	"	1,814	284	770	368	516
Cast Iron Pipes ..	"	357	241	18,149	22,100	12,897
Close-jointed Iron and Steel Pipes ..	"	244	6	1,317	258	126
Fittings, Cast Iron and Wrought and Malleable Cast Iron ..	"	678	42	1,537	1,970	1,415
Flexible Metal Tubes and Metal-cased Pipes and Tubes ..	"	266	72	190	451	57
Water-bore Casings ..	"	1,656	-	138	99	13
Iron and Steel Pipes and Tubes, 6 inches or less in diameter ..	"	4,034	176	19,555	28,714	3,275
Other Iron or Steel Pipes and Tubes ..	"	545	345	2,463	3,068	7,167
Total Pipes and Tubes and Fittings		9,594	1,166	44,119	57,028	25,466
OTHER PIPES AND TUBES -						
Aluminium and Aluminium-base Alloys ..	cwt.	34	1,717	3,438	9,561	3,425
	f.a.f.o.b.	785	28,343	68,656	172,914	104,468
Copper ..	cwt.	1,636	1,214	2,758	21,977	3,572
	f.a.f.o.b.	13,462	12,124	58,628	737,601	115,552
Copper-base Alloys ..	cwt.	(a) 951	1,397	753	818	817
	f.a.f.o.b.	(a) 8,001	7,415	19,704	25,111	25,798

NOTE: Values are expressed in f.a.f.o.b. Port of Shipment.

(b) Excludes Electric Conduit and Fittings therefor.

(c) Brass only.

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

Particulars	Unit	1938-39	1945-46	1950-51	1951-52	1952-53
PLANT, EQUIPMENT & MACHINERY -						
Engines, Tractors and Parts thereof ..	£af.o.b.	45,725	91,241	1,896,817	1,835,651	1,677,600
Mining Machinery ..	"	57,696	61,827	205,348	428,120	524,215
Machine Tools ..	"	8,566	38,800	62,473	81,252	74,502
Refrigerating Appliances ..	"	(a)	67,363	425,008	439,479	240,535
Sewing, Stitching, etc. Machines ..	"	22,830	37,878	100,127	99,661	88,072
Typewriters and Parts ..	"	6,197	7,257	17,970	24,351	14,628
Other Machinery ..	"	399,899	751,144	2,686,020	4,227,840	3,813,529
AGRICULTURAL MACHINERY -						
Ploughs and Harrows, Cultivators and Scarifiers ..	£af.o.b.	20,781	110,683	151,230	441,504	358,378
Harvesting Machinery and Parts ..	"		106,096	201,131	286,935	315,888
Other Agricultural, Horticultural etc. Implements and Machinery ..	"	64,190	80,239	250,843	524,871	428,013
ELECTRICAL MACHINERY AND EQUIPMENT OTHER THAN WIRELESS APPARATUS -						
Batteries and Accumulators ..	£af.o.b.		134,104	508,008	398,365	334,555
Cable and Wire (Covered) ..	"		43,591	117,701	102,845	155,570
Lamps for Lighting and Heating ..	"	392,630	48,973	44,240	40,817	27,884
Motors and Generators ..	"		53,116	165,885	237,984	253,603
Other Electrical Machinery and Appliances, N.E.I. ..	£af.o.b.		134,603	376,604	572,926	446,047
WIRELESS VALVES AND APPARATUS -						
Wireless Receivers (wholly or partly assembled) ..	£af.o.b.		33,890	39,109	71,490	65,128
Wireless Transmitters ..	"		28,694	38,680	68,441	143,532
Wireless Valves ..	"	(a)	7,469	67,066	116,994	79,638
Parts and Accessories ..	"		51,506	116,485	154,598	123,488
WIRE AND WIRE-WORKING -						
Wire of No. 15 Gauge or finer ..	ton		339	12	294	1,787
Wire of Gauges coarser than No. 15 ..	"					
Fencing ..	"	10,944	112	3	4	715
Steel Nail ..	"		-	1,889	2,126	4,088
Other ..	"		1,706	786	1,700	8,272
MANUFACTURES OF WIRE -						
Barbed Wire ..	"	842	20	39	46	252
Wire Nails and Staples ..	"	1	69	428	444	646
Wire Netting ..	"	1,330	2	46	21	164
Woven Wire ..	"	(a)	17	262	707	553
PIPES, TUBES AND FITTINGS -						
Iron and Steel ..	"	-	8,015	15,003	7,100	19,839
Copper Pipes and Tubes ..	cwt.	706	525	326	336	1,395
Pipes and Tubes of Copper-base Alloys ..	£af.o.b.	3,908	3,842	8,325	10,304	25,923
	cwt.	(b) 329	423	142	106	231
	£af.o.b.	(b) 124	3,933	2,306	1,657	6,295

(a) Not recorded separately. (b) Brass only.

NOTE: Values are expressed in £A f.o.b. Port of Shipment.

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