

COMMONWEALTH BUREAU OF CENSUS AND STATISTICS, CANBERRA
AUSTRALIA

MANUFACTURING INDUSTRIES
1957-58

NO. 7 - BASIC METAL 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.

S.R. CARVER
COMMONWEALTH STATISTICIAN

MANUFACTURING INDUSTRIES - AUSTRALIA, 1957-58BASIC METAL INDUSTRIES

This Bulletin relates to the operations of establishments classified to the following industries :-

- (a) Smelting, Converting, Refining, and Rolling of Iron and Steel (including Iron and Steel Sheets);
- (b) Non-ferrous Metals Extracting and Refining (see note (b) to Table No. 1 below); and
- (c) Non-ferrous Rolling and Extrusion only (excluding Fabricating, Founding, etc.).

A separate Bulletin- No. 8 - relates to the Metal Fabricating Industries.

1. Summary of Statistics. In the following table, details are given for each of the individual industries in the Basic Metals Group (as defined above), for Australia for the year 1957-58. These data are tabulated on a State basis, but because of the relatively few factories involved, it is not permissible to publish State details for each separate industry as this would contravene the confidential clause of the Census and Statistics Act under which the information is obtained.

TABLE 1 : BASIC METAL INDUSTRIES : AUSTRALIA, 1957-58

Particulars	Smelting, Converting, etc. of Iron and Steel (a)	Extracting and Refining of Other Metals; Alloys (b)	Rolling and Extrusion : Non-Ferrous Metals	Total (b)
	No.	No.	No.	No.
Factories	35	63	16	114
Persons Employed (c) -				
Males	27,704	6,924	4,594	39,222
Females	822	330	447	1,599
<u>TOTAL:</u>	28,526	7,254	5,041	40,821
	£'000	£'000	£'000	£'000
Salaries and Wages Paid (d)	31,469	8,667	5,710	45,846
Value of -				
Power, Fuel and Light etc. used (e)	22,150	4,414	1,115	27,679
Materials, etc. used (f)	137,674	58,120	30,988	226,782
Production (g)	70,379	18,133	11,169	99,686
Output (h)	230,203	80,672	43,272	354,147
Land and Buildings (i)	9,953	6,908	2,616	19,477
Plant and Machinery (i)	71,048	15,262	5,960	92,270
	H.P.	H.P.	H.P.	H.P.
H.P. of Engines ordinarily in use	526,530	76,070	50,967	653,567

- (a) Includes production of Iron and Steel Sheets.
- (b) Figures for "Extracting and Refining of Other Metals" are not comparable with those for 1951-52 and earlier years because "Ore Beneficiation and Concentration", formerly included as part of Manufacturing Industry, was transferred to Mining Industry in 1952-53.
- (c) Average over whole year; includes Working Proprietors.
- (d) Excludes amounts drawn by Working Proprietors.
- (e) Includes Water and Lubricating Oil.
- (f) Includes also value of containers, packing, etc., and replacement of tools and repairs to plant.
- (g) Value added in process of manufacture.
- (h) Value of goods produced.
- (i) Depreciated or book values at end of year.

A summary of the principal statistics of factories in the combined group, "Basic Metal Products" is given in the following table for each of the years 1945-46 and 1955-56 to 1957-58.

TABLE 2 : BASIC METAL INDUSTRIES : AUSTRALIA

Year	Factories (1)	Persons Employed (a) (2)	Salaries and Wages Paid (b) (3)	Power, Fuel and Light etc. Used (c) (4)	Value of Materials, etc. Used (d) (5)	Value of Production (e) (6)	Value of Output (f) (7)
	Number	Number	£'000	£'000	£'000	£'000	£'000
1945-46	87	21,439	8,104	4,123	42,553	15,602	62,278
1955-56(g)	99	35,868	38,204	23,246	225,351	78,657	327,254
1956-57(g)	106	38,009	42,575	25,818	232,809	95,504	354,131
1957-58(g)	114	40,821	45,846	27,679	226,782	99,686	354,147

(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., replacements 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. (g) See note (b) to Table No. 1, page 3.

In the following table, particulars are given for each State for 1957-58.

TABLE 3 : BASIC METAL INDUSTRIES : STATES, 1957-58 (a)

Particulars	N.S.W.	VIC.	Q'LD.	S.A.	W.A.	TAS.	AUSTRALIA
	No.	No.	No.	No.	No.	No.	No.
Factories	54	41	5	7	3	4	114
Persons Employed -							
Males	30,739	2,194	591	2,200	131	3,367	39,222
Females	1,279	105	9	63	3	140	1,599
TOTAL:	32,018	2,299	600	2,263	134	3,507	40,821
	£'000	£'000	£'000	£'000	£'000	£'000	£'000
Salaries and Wages Paid	35,573	2,504	742	2,738	150	4,139	45,846
Value of -							
Power, Fuel and Light etc. used	20,923	478	726	3,581	238	1,733	27,679
Materials, etc. used	171,869	9,759	14,932	18,790	968	10,464	226,782
Production	78,023	4,696	1,384	6,595	600	8,388	99,686
Output	270,815	14,933	17,042	28,966	1,806	20,585	354,147
Land and Buildings (b)	12,424	1,053	989	851	69	4,091	19,477
Plant and Machinery (b)	74,911	903	1,373	3,647	2,953	8,483	92,270
H.P. of Engines ordinarily use	H.P. 555,420	H.P. 14,443	H.P. 7,874	H.P. 18,109	H.P. 11,529	H.P. 46,192	H.P. 653,567

(a) See note (b) to Table No. 1, page 3. (b) Depreciated or book values at end of year. See also notes to Table 2 above.

2. AVERAGE SALARIES, OUTPUT AND PRODUCTION. In the next table, particulars of the average salary and wage paid, together with the average value of output and production per person engaged and the ratio of salaries and wages to the value of production, are shown for each of the years 1945-46, and 1955-56 to 1957-58.

TABLE 4 : BASIC METAL 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 Produc- tion per Person Engaged (b)	Ratio of Salaries and Wages to Value of Production
	£.	£.	£.	%
1945-46	378	2,905	728	51.94
1955-56	1,066	9,124	2,193	48.57
1956-57	1,121	9,317	2,513	44.58
1957-58	1,124	8,676	2,442	45.99

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

(b) Includes Working Proprietors.

3. MATERIALS USED AND ARTICLES PRODUCED. In the next four tables details of materials used and articles produced are shown separately in their respective industry groupings. As there are few establishments engaged in the Rolling and Extrusion of Non-Ferrous Metals and the production of Iron and Steel Sheets, details of the output of individual products are not available for publication and are omitted from this group of tables.

The following table shows the quantities of the principal materials used and articles produced in Australia during 1957-58. Part (i) refers to the operations of Blast Furnaces, Part (ii) to Steel Furnaces and Part (iii) to Rolling Mills.

TABLE 5 : MATERIALS USED AND ARTICLES PRODUCED IN SMELTING, CONVERTING, REFINING AND ROLLING OF IRON AND STEEL : AUSTRALIA, 1957-58

Particulars	Unit of Quantity	Quantity
<u>PART (i) : BLAST FURNACE OPERATIONS</u>		
<u>Materials Used -</u>		
Ores-iron	Ton	3,510,257
Scrap Iron	"	76,567
Coke used in Blast Furnaces (a)	"	2,002,614
Limestone	"	641,725
<u>Articles Produced -</u>		
Pig-Iron - Basic	Ton	2,052,852
Foundry	"	231,073
Blast Furnace Gas Produced	mill. cub. ft.	241,546
Slag	Ton	474,842

PART (ii) : STEEL FURNACE OPERATIONS

<u>Materials Used -</u>		
Pig Iron	Ton	1,993,469
Ferro-alloys	"	32,304
Metals (other than Ferro-alloys) for making alloy steels, etc.	"	1,320
Scrap Iron or Steel	"	1,227,544
Ores-Iron	"	345,713
Limestone	"	170,828
Dolomite	"	114,438
Magnesite	"	6,658
Coke (used in Steel Furnaces) (b)	"	3,401
<u>Articles Produced -</u>		
Steel Ingots - Open Hearth	Ton	2,962,471
Electric	"	75,234
Direct Steel Castings	"	34,873

PART (iii) : STEEL ROLLING MILL PRODUCTS

<u>Articles Produced -</u>		
Blooms and Slabs for re-rolling	Ton	2,491,927
Sheet Bar	"	174,849
Steel Plates and Sheets - $\frac{1}{8}$ " thick and over	"	314,907
Structural Sections (Rolled or Forged)	"	248,084
Rails, Sleepers and Fastenings	"	110,273
Bars and Rods (Wire Rods and Merchant Shafting)	"	591,805
Bright Steel Bars and Rods drawn from Black Steel	"	29,816
Hoop, Band and Strip Steel (Hot Rolled and Other) (c)	"	666,381
Finished Axles (Rolled or Forged) - Other than Automobile	"	3,211
Tin Plate	"	40,781
Tyres and Wheels	"	12,904
Rolled Products, n.e.i. (d)	"	165,605
Forgings of Iron and Steel n.e.i.	"	8,664

(a) Includes as Fuel in Table 14.

(b) Not included as Fuel in Table 14.

(c) Including Strip for Tubes.

(d) Not comparable with 1955-56 and earlier years.

In the next table, details of the output of Pig-Iron, Steel Ingots, Direct Steel Castings and Blooms and Billets in Iron and Steel Works are shown for each of the years 1938-39, 1945-46 and 1955-56 to 1958-59.

TABLE 6 : IRON AND STEEL WORKS : OUTPUT OF PIG IRON, STEEL INGOTS AND CASTINGS AND BLOOMS AND BILLETS : AUSTRALIA
(Tons)

Year	Pig-Iron	Steel Ingots	Direct Steel Castings (a)	Blooms and Slabs
1938-39	1,104,605	1,169,989	13,210	1,120,142
1945-46	906,283	1,061,918	24,616	1,036,501
1955-56	1,910,521	2,320,289	31,800	2,110,639
1956-57	2,098,352	2,773,995	29,800	2,287,970
1957-58	2,283,925	3,037,705	34,873	2,491,927
1958-59(b)	2,288,486	3,124,504	(c)	2,970,920

(a) Made in establishments classified as Iron and Steel Works. (b) Subject to revision. (c) Not yet available.

Details of the output of Pig-Iron, Steel Ingots, Blooms and Billets and Tinplate during each month of the year ended May, 1959, are shown in the following table:-

TABLE 7 : MONTHLY OUTPUT OF PIG IRON, STEEL INGOTS, BLOOMS AND SLABS AND TINPLATE : AUSTRALIA, 1958-59
(Tons)

(Subject to revision)

Month	Pig-Iron	Steel Ingots	Blooms and Slabs	Tinplate
1958 - June	178,878	256,648	229,254	5,876
July	189,959	270,478	253,129	6,174
August	194,725	267,226	251,772	6,003
September	189,243	263,616	250,052	6,248
October	181,982	265,300	253,722	6,446
November	188,511	262,718	254,811	6,518
December	200,172	269,941	249,231	6,145
1959 - January	198,738	267,574	256,096	7,007
February	180,087	244,025	233,653	6,494
March	187,554	274,173	230,761	7,135
April	192,175	265,404	250,552	6,514
May	206,462	287,401	257,387	6,280
Total, 12 Months Ended May, 1959	2,288,486	3,194,504	2,970,920	77,140

Particulars of the primary extraction of the principal non-ferrous metals in Australia are shown in the following table for the years 1938-39, 1945-46 and 1954-55 to 1958-59. Monthly details of production during 1958-59 are also shown.

TABLE 8 : PRIMARY EXTRACTION OF PRINCIPAL NON-FERROUS METALS : AUSTRALIA

Period	Gold (a)	Lead (Incl. Bullion) (b)	Zinc (b)	Silver (b)	Copper (b)	Tin (b)	Aluminium (b)
	'000 Fine oz.	Tons	Tons	'000 Fine oz.	Tons	Tons	Tons
1938-39	(c) 1,637	232,988	69,825	9,455	17,483	3,262	-
1945-46	717	151,081	80,458	6,824	21,283	2,292	-
1954-55	1,082	235,353	100,459	7,627	30,400	2,032	-
1955-56	1,036	220,790	103,904	8,136	24,472	1,908	(d) 5,519
1956-57	1,060	239,793	106,622	8,725	32,534	1,776	9,999
1957-58	1,084	256,314	115,129	8,459	35,842	1,991	10,712
1958-59(e)	(f) 240,267	114,712	8,407	44,889	(e) 2,257	12,271	-
1958 - July	108	19,131	9,591	373	3,946	133	972
August	85	19,802	9,888	920	4,202	224	884
September	99	19,997	9,663	699	4,639	236	958
October	93	18,284	9,862	803	4,479	185	991
November	87	21,120	9,382	685	3,898	202	920
December	101	21,038	9,696	712	2,020	167	949
1959 - January	(e) 80	21,300	9,412	699	2,433	129	1,112
February	(e) 85	20,336	8,587	689	3,636	154	953
March	(e) 94	18,866	9,606	662	3,800	219	1,183
April	(e) 83	20,147	9,350	712	3,687	165	1,074
May	(e) 83	19,371	9,944	732	4,207	148	1,129
June	(f) 20,875	9,731	721	3,942	295	1,146	-

(a) Newly-won gold of Australian origin. (b) Source : Bureau of Mineral Resources.
(c) Year 1940; earlier periods not available. (d) Production commenced in September, 1955. (e) Subject to revision. (f) Not yet available.

4. **EMPLOYMENT.** The numbers of persons employed as shown in Tables 1, 2, 3, 10 and 11 have been adjusted to represent the average employment over the whole year in those cases where short time was worked. In the following table, the factories have been classified according to the average number employed during the actual period worked.

TABLE 9 : BASIC METAL INDUSTRIES : FACTORIES CLASSIFIED ACCORDING TO PERSONS EMPLOYED : AUSTRALIA

Number of Persons Employed in each Factory	1945-46		1955-56 (a)		1956-57 (a)		1957-58 (a)	
	No. of Factories	Number Employed	No. of Factories	Number Employed	No. of Factories	Number Employed	No. of Factories	Number Employed
Under 4	11	25	4	10	10	24	13	27
4	3	12	3	12	1	4	3	12
5 to 10	12	97	17	117	17	119	18	127
11 to 20	7	111	10	165	11	166	14	214
21 to 50	11	353	21	659	21	684	20	716
51 to 100	11	907	10	782	9	714	8	593
101 to 200	8	1,192	6	912	8	1,016	10	1,307
201 to 300	4	1,061	10	2,651	10	2,505	6	1,543
301 to 500	4	1,644	5	1,781	6	2,335	8	2,967
501 to 750	8	4,911	4	2,657	3	2,127	2	1,382
751 and over	8	11,687	9	26,265	10	28,404	12	31,985
TOTAL:	87	22,000	99	36,011	106	38,098	114	40,873
Average Number Employed per Factory	253		364		359		359	

(a) See note (b) to Table No. 1, Page 3.

Further details of employment are furnished in the following three tables. In table 10 the numbers of males employed are shown according to the nature of their employment in each of the individual industries for the year 1957-58.

TABLE 10 : BASIC METAL INDUSTRIES : PERSONS EMPLOYED - MALES CLASSIFIED ACCORDING TO OCCUPATIONAL STATUS : AUSTRALIA, 1957-58

Occupational Status	Smelting, Converting etc. of Iron and Steel (a)	Extracting and Refining of Other Metals; Alloys (b)	Rolling and Extrusion; Non-Ferrous Metals	Total (b)
Males				
Working Proprietors	4	18	1	23
Managerial and Clerical Staff, incl. Salaried Managers and Working Directors	1,776	590	421	2,787
Chemists, Draftsmen and Other Laboratory and Research Staff	822	351	184	1,357
Foremen and Overseers	1,059	448	192	1,699
Workers in Factory (Skilled and Unskilled)	24,035	5,474	3,792	33,301
Carters (excluding delivery only), Messengers, etc.	8	43	4	55
(Males:	27,704	6,924	4,594	39,222
Total (Females: (c)	822	330	447	1,599
(Persons:	28,526	7,254	5,041	40,821

(a) Includes figures for Iron and Steel Sheets.

(b) See note (b) to Table No. 1 Page 3.

(c) Mainly Clerical Staff.

In Table 11 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 11 : BASIC METAL INDUSTRIES : PERSONS EMPLOYED - MALES CLASSIFIED
ACCORDING TO OCCUPATIONAL STATUS : AUSTRALIA

Occupational Status	1945-46	1955-56 (a)	1956-57(a)	1957-58 (a)
Males				
Working Proprietors	22	21	22	23
Managerial and Clerical Staff, including Salaried Managers and Working Directors	1,900	2,420	2,652	2,787
Chemists, Draftsmen and Other Laboratory and Research Staff	673	1,047	1,143	1,357
Foremen and Overseers	793	1,502	1,626	1,699
Workers in Factory (Skilled & Unskilled)	16,942	29,455	31,071	33,301
Other (Carters, Messengers, etc.)	94	59	45	55
(Males :	20,424	34,504	36,559	39,222
Total: { Females: (b)	1,015	1,364	1,450	1,599
{ Persons:	21,439	35,868	38,009	40,821

(a) See note (b) to Table No. 1, Page 3.

(b) Mainly clerical staff.

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

TABLE 12 : BASIC METAL 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)	93	221	275	624	365	393	1,878	21,412	23,383
1956 (b) (c)	156	510	555	606	652	511	2,834	32,660	35,650
1957 (b) (c)	131	578	585	614	679	581	3,037	34,728	37,896
1958 (b) (c)	111	587	717	680	637	560	3,181	36,795	40,087
FEMALES									
1946 (a)	9	40	70	123	88	93	419	557	985
1956 (b) (c)	28	78	89	101	93	75	436	935	1,399
1957 (b) (c)	25	66	112	91	112	90	471	994	1,490
1958 (b) (c)	36	68	108	108	108	113	505	1,102	1,643

(a) Pay-day nearest 15th June.

(b) Last pay-day in June.

(c) See note (b) to Table No. 1, Page 3.

3. **POWER EQUIPMENT.** Statistics of the power equipment installed are shown in the next table. The details given include the rated horsepower of engines ordinarily in use, together with those in reserve or idle.

TABLE 13 : BASIC METAL INDUSTRIES : TYPES AND RATED HORSEPOWER OF ENGINES : AUSTRALIA

Class of Engine	Rated Horsepower of Engines					
	Ordinarily in Use			In Reserve or Idle		
	1954-55(a)	1956-57 (a)	1957-58(a)	1954-55(a)	1956-57(a)	1957-58 (a)
Steam - Reciprocating	35,427	33,529	33,153	12,478	14,069	14,079
Turbine	45,741	50,281	38,281	4,660	2,000	770
Internal Combustion - Gas	-	-	-	-	-	-
Petrol or Other Light Oils	974	864	909	542	3,379	1,194
Heavy Oils	245	245	268	289	-	40
Water	-	-	-	-	-	-
Total, Prime Movers:	82,387	84,919	72,611	17,969	19,448	16,083
Motors driven by Electricity - Purchased	380,346	492,444	580,956	46,659	54,245	61,347
Own Generation	(b)2,000	(b)400	(b)400	107	117	117
Total, Electricity:	382,346	492,884	581,356	46,766	54,362	61,464
TOTAL POWER EMPLOYED:	462,733	577,403	653,567	64,735	73,810	77,547

(a) See note (b) to Table No. 1, Page 3. (b) These motors are driven by electricity generated by Prime Movers and, to avoid duplication, are excluded from statistics of total power employed.

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

TABLE 14 : BASIC METAL INDUSTRIES

POWER, FUEL AND LIGHT, ETC., USED

AUSTRALIA

Particulars	Unit of Qty.	Quantity			Value (£)		
		1955-56(a)	1956-57(a)	1957-58(a)	1955-56(a)	1956-57(a)	1957-58(a)
Power, Fuel and Light -							
Coal -							
Black	Ton	239,032	197,744	196,535	1,106,543	922,000	807,501
Brown	"	1,296	653	252	3,307	1,414	593
Coke (b)	"	1,954,340	2,037,606	2,144,882	12,915,707	13,335,857	13,736,085
Wood	"	4,520	5,395	4,672	18,270	22,106	19,791
Fuel Oil	Gal.	26,854,216	39,916,409	47,279,627	1,572,968	2,598,741	3,033,682
Tar (Fuel)	"	19,381,291	21,085,463	21,186,926	367,337	430,930	415,966
Electricity	-	(c)	(c)	(c)	4,711,454	5,672,388	6,469,280
Gas	-	(c)	(c)	(c)	818,177	924,814	1,008,896
Other (Charcoal, etc.)	-	(c)	(c)	(c)	1,093,758	1,174,816	1,382,554
Water and Lubricating Oil used	-	(c)	(c)	(c)	638,808	734,488	804,698
TOTAL:		(c)	(c)	(c)	23,246,329	25,817,554	27,679,046

(a) See note (b) to Table No. 1, Page 3.

(b) Includes Coke used as feed in blast furnaces as shown in Table 5.

(c) Value only available.

7. 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 each of the years 1945-46, and 1955-56 to 1957-58 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 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 15 : BASIC METAL INDUSTRIES : VALUE OF LAND AND BUILDINGS,

PLANT AND MACHINERY, ETC. : AUSTRALIA

(£)

Year	Book Value as at 30th June (a)		Additions and Replacements made during Year		Depreciation allowed during Year	
	Land and Buildings	Plant and Machinery	Land and Buildings	Plant and Machinery	Land and Buildings	Plant and Machinery
1945-56	4,641,459	11,288,723	190,374	702,792	256,489	1,288,678
1955-56(b)	16,006,546	52,365,861	2,517,267	10,661,654	727,908	4,669,624
1956-57(b)	17,786,155	80,896,273	2,242,237	35,037,359	679,330	5,966,482
1957-58(b)	19,476,764	92,269,754	2,491,186	19,474,397	781,036	7,836,673

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

(b) See note (b) to Table No. 1, Page 3.

8. EXTERNAL TRADE: The quantities of basic metal products imported and exported during the years 1938-39, 1945-46 and 1955-56 to 1957-58 are given in the following tables. Imports and exports of items for which no unit of quantity is recorded are excluded from these tables.

TABLE 16 : IMPORTS OF BASIC METAL PRODUCTS : AUSTRALIA

Particulars	Unit	1938-39	1945-46	1955-56	1956-57	1957-58
Iron and Steel -						
Pig iron	Ton	51	-	-	-	-
Ingots, blooms, slabs, etc.	"	186	29	738	418	291
Angles, tees, bars, rods	"	6,983	1,458	151,685	44,450	19,647
Hoop	"	9,674	1,383	48,723	14,015	11,909
Strip	"	(a)	364	5,110	3,279	2,863
Plate and sheet -						
Plain	"	28,542	3,751	72,314	19,256	13,269
Galvanised	"	8,703	(a)	25,134	968	1,566
Tinned	"	69,982	72,620	123,949	140,225	88,795
Other	"	-	105	2,130	1,127	1,824
Pipes and tubes	"	6,836	1,052	13,268	12,926	17,337
Structural	"	258	164	72,466	26,714	4,218
Railway and tramway materials	"	877	172	26,310	1,091	1,122
Ferro alloys	"	6,335	697	16,551	12,474	14,166
Other	"	730	209	1,596	1,987	1,674
Non Ferrous Metals -						
Aluminium -						
Pigs, ingots, blocks, etc.	Ton	568	593	12,033	10,396	10,189
Bars, rods, angles, pipes, tubes, etc.	"	6	148	528	803	546
Plates and sheets	"	714	147	2,511	2,021	2,039
Other	"	-	-	492	460	474
Antimony and compounds (b)	"	178	6	189	126	70
Bismuth	"	(c)	1	16	19	16
Brazing and soldering alloys	"	28	8	73	19	25
Cobalt	"	(c)	(c)	34	43	38
Copper -						
Pigs, ingots, blocks, etc.	"	}(d) 300	150	4,691	3,251	1,550
- Refined	"			-	-	-
- Blister	"					
Bars, rods, angles, pipes, tubes, etc.	"	250	132	1,485	699	1,343
Plates, sheets and strips	"	555	631	990	773	938
Other (including scrap)	"	(e)	5	63	60	116
Copper-base alloys	"	373	172	556	407	975
Gold - Bar, ingot, sheet, etc.	f.oz.	376,417	109,287	175,649	143,852	169,119
Lead	Ton	110	-	8	11	2
Magnesium	"	(c)	2	20	25	92
Manganese	"	(c)	(c)	37	82	42
Mercury	"	(c)	6	29	28	27
Nickel	"	228	57	760	958	795
Nickel-base alloys	"	(c)	150	458	222	230
Platinum group metals	oz.	1,358	27,743	3,400	2,558	3,934
Silver - Bar, ingot, sheet, etc.	f.oz.	200,568	9,119	86,304	73,190	87,638
Tin	Ton	39	2,103	518	830	1,110
Tin - base alloys	"	(c)	-	125	135	102
Tungsten	"	(c)	(c)	6	7	11
Zinc	"	1,426	48	154	132	156
Non Ferrous alloys, n.e.i.	"	587	11	127	155	182
Non Ferrous metals, n.e.i.	"	592	6	241	199	226

(a) Included with "Plate and sheet - Plain".

(b) Excludes antimonial lead.

(c) Not recorded separately.

(d) Includes scrap.

(e) Included with "Pigs, ingots, blocks, etc."

TABLE 17 : EXPORTS OF BASIC METAL PRODUCTS : AUSTRALIA

Particulars	Unit	1938-39	1945-46	1955-56	1956-57	1957-58
Iron and Steel -						
Pig iron	Ton	52,321	5,850	14,583	17,486	16,455
Ingot, blooms, slabs, etc.	"	17,655	106,104	41	1,737	2,529
Scrap - Tinplate	"	72,923	588	9,709	10,104	18,766
Other	"			60,048	170,673	118,409
Bar and rod	"	104,714	(9,141	7,174	27,552	22,348
Angles and tees	"		(1,094	2,297	4,899	9,729
Hoop, strip, etc.	"	20	43	272	549	230
Plate and sheet - Plain	"	11,310	15,241	12,216	157,583	85,553
- Galvanised	"	1,605	2,132	12,839	65,912	75,712
- Tinned, plated, etc.	"	165	41	28	44	79
Pipes and tubes	"	(a)	7,259	24,035	46,748	43,878
Structural	"	9,653	11,571	3,718	7,205	12,915
Railway and tramway materials	"	(a)	12,167	1,417	2,761	8,370
Ferro Alloys	"	(a)	56	1	23	7
Other	"	(a)	756	344	691	287
Non Ferrous Metals -						
Aluminium -						
Pigs, ingots, blocks, etc.	Ton	(a)	15	1	764	1
Other	"	(a)	-	100	143	246
Antimony and compounds (b)	"	(a)	973	436	359	429
Brazing and soldering alloys	"	(a)	109	25	54	32
Cadmium	"	152	206	161	182	252
Copper -						
Pigs, ingots, blocks, etc.	"					
- Blister	"			14,559	15,596	16,515
- Other	"	1,078	6,839	(553	2	23
Rolled, drawn and extruded shapes	"	142	92	1,465	1,440	1,074
Other (including scrap)	"	8	219	15	3	-
Copper-base alloys -						
Rolled, drawn and extruded shapes	"	46	864	1,448	2,499	425
Other	"	174	3,366	133	298	143
Gold - Bar, dust, ingot and sheet	f.oz.	1,970,240	2,515,354	531,664	908,266	405,307
Lead -						
Pig	Ton	204,995	104,515	146,144	167,390	164,073
Bullion	"	-	-	29,812	53,531	48,546
Scrap	"	(a)	4,823	10,975	9,758	7,085
Rolled and extruded shapes	"	620	897	65	206	99
Antimonial	"	(a)	(a)	180	378	173
Nickel and nickel-base alloys	"	-	17	66	41	25
Platinum Group metals	oz.	229	-	770	701	935
Silver - Bar, ingot and sheet	f.oz.	9,426,059	109,909	6,485,356	16,570,469	3,079,115
Tin	Ton	1,472	251	51	50	63
Tin-base alloys	"	(a)	99	1	14	6
Zinc -						
Pigs, ingots, blocks, etc.	"	44,617	48,190	33,715	39,676	30,210
Plate, sheet, circles, segments, etc.	"	20	667	2,570	1,941	1,256
Other	"	22	296	1,029	309	517
Non-ferrous alloys, n.e.i.	"	(a)	55	77	120	325

(a) Not recorded separately.

(b) Excludes antimonial lead.

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CANBERRA, A.C.T.

18TH SEPTEMBER, 1959