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MANUFACTURING INDUSTRIES,
1949-50.

NO. 15. HOSIERY AND OTHER KNITTED GOODS.

Prepared Under Instructions from
THE RIGHT HONORABLE THE TREASURER,

by

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PREFACE

1. GENERAL: The industries included in the series for 1949-50 are listed on the back of the cover, and are the same as those covered by the 1948-49 series. The 1949-50 summaries published to date are indicated at the top of page 2.
2. CLASSIFICATION OF FACTORIES: For purposes of industry classification, a factory in Australia is classified according to the nature of the 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, there is no alternative but to classify the factory according to its predominant activity. This difficulty is most acute in the Metal Trades industries, (e.g. Engineering firms also producing Agricultural Implements, Stoves and Cvens, and/or Brass and Copper products), but it is also to be found in factories concerned with the treatment or manufacture of Skins, Leather, Clothing, Food products and some other articles.

Each of the summaries in the series "Manufacturing Industries", relates as far as possible to the operations of factories classified to the industry specified. Sometimes articles applicable to this industry 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 Part I of the annual Production Bulletin.

Briefly, a "factory" is taken to be a manufacturing establishment in which four or more hands 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 wholesale 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 of output minus the cost of raw materials, containers, power, fuel, light, lubricants, water, tools replaced, and repairs to plant, and represents the value added in the process of manufacture within the factories. As full details of the cost of production are not collected, the amount of profit resulting from operations cannot be ascertained. The value of production, therefore, is the source from which such items as wages, interest, depreciation, profits, taxation, insurance, advertising and other sundry charges are met.

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MANUFACTURING INDUSTRIES : AUSTRALIA, 1949-50.

Note: Summaries already published in this Series are:- Nos. 1. Cement and Cement Goods; 2. Bricks, Tiles, Pottery and Earthenware; 3. Chemicals, Drugs and Medicines; 4. White Lead, Paints and Varnish; 5. Chemical Fertilizers; 6. Soap and Candles; 7. Industrial Metals - Ferrous, Parts I - IV; 8. Industrial Metals - Non-Ferrous, Parts I and II; 9. Electrical Machinery and Equipment; 10. Motor Vehicles and Cycles; 11. Agricultural Implements; 12. Wireless Apparatus; 13. Stoves, Ovens and Ranges; 16. Tanneries; 17. Boots and Shoes; 19. Flour and Other Grain Mills; 20. Biscuits; 21. Confectionery; 22. Jam, Fruit and Vegetable Canning; 23. Pickles, Sauces, Condiments, Coffee, Spices, etc.; 26. Breweries; 27. Tobacco, Cigars and Cigarettes; 28. Sawmilling; 29. Rope and Cordage; 30. Rubber Works; 32. Electric Light and Power Works; 33. Gas Works; 34. Cotton Mills; 35. Paper Mills; 36. Wineries and Distilleries; 37. Aerated Waters and Cordials; 38. Meat and Fish Preserving; 39. Wire and Wire Working (including Nails).

HOSIERY AND OTHER KNITTED GOODS.

1. **SUMMARY OF STATISTICS:** The following table furnishes a summary of the principal statistics of the factories engaged in the manufacture of Hosiery and Other Knitted Goods.

TABLE I : HOSIERY AND OTHER KNITTED GOODS : AUSTRALIA.

Year	Number of Factories (1)	Persons Employed (a) (2)	Salaries & Wages Paid (b) (3)	Power, Fuel and Light &c. Used (4)	Value of Materials &c. Used (c) (5)	Value of Production (d) (6)	Value of Output (7)
	No.	No.	£'000	£'000	£'000	£'000	£'000
1938-39	313	18,159	2,332	133	4,284	3,809	8,226
1945-46	376	17,091	3,687	185	7,203	5,865	13,253
1947-48	420	20,336	5,470	235	10,898	9,528	20,661
1948-49	465	21,116	6,526	272	14,137	10,542	24,951
1949-50	496	21,577	7,382	315	16,637	12,399	29,351

(a) Includes Working Proprietors. (b) Excludes amounts drawn by Working Proprietors. (c) Includes also containers, packing, etc., replacement of tools and repairs to plant. (d) Value of production equals column (7) less total of columns (4) and (5).

In the following table particulars of the Industry are given for each State during the year 1949-50.

TABLE II : HOSIERY AND OTHER KNITTED GOODS : STATES, 1949-50.

Particulars	N.S.W.	VIC.	QLD.	S.A.	W.A.	TAS.	AUST.
Number of Factories	143	327	6	8	8	4	496
Number Employed (a)							
Males	1,735	4,711	106	17	32	25	6,626
Females	4,736	9,493	406	96	148	72	14,951
Total	6,471	14,204	512	113	180	97	21,577
Value of -							
Salaries and Wages Paid (b)	£ 2,243,082	£ 4,881,239	£ 144,804	£ 33,931	£ 49,494	£ 29,259	£ 7,381,809
Power, Fuel, Light etc. used	86,086	220,603	3,667	1,209	1,936	1,607	315,108
Materials, etc. used	5,398,518	10,334,455	656,969	50,602	123,119	73,220	16,636,883
Production (c)	3,736,191	8,220,210	270,986	53,262	76,900	41,179	12,398,728
Output	9,220,795	18,775,268	931,622	105,073	201,955	116,006	29,350,719
Land and Buildings	1,212,421	2,506,414	97,357	21,155	22,922	13,329	3,876,598
Plant and Machinery	1,000,747	2,666,497	104,665	13,271	14,496	15,058	3,814,734
H.P. of Engines Ordinarily in use	H.P. 4,985	H.P. 9,171	H.P. 256	H.P. 30	H.P. 111	H.P. 72	H.P. 14,625

(a) Includes Working Proprietors. (b) Excludes amounts drawn by Working Proprietors. (c) See note (d) to Table I.

2. AVERAGE SALARIES, OUTPUT AND PRODUCTION: Particulars of the average salary and wage paid in Hosiery and Knitting Mills, 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 1938-39, 1945-46 and 1947-48 to 1949-50.

TABLE III : 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 per cent of Salaries and Wages to Value of Production
	£	£	£	£
1938-39	131	453	210	61.21
1945-46	219	775	343	62.88
1947-48	273	1,016	469	57.40
1948-49	314	1,182	499	61.91
1949-50	314	1,360	575	59.54

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

3. MATERIALS USED AND ARTICLES PRODUCED: In Table IV, details are given of the quantities of yarn used in Hosiery and Knitting Mills for the years 1938-39, 1945-46 and 1947-48 to 1949-50, whilst in Tables V and VI details of output are given in various categories for the years shown.

TABLE IV : HOSIERY AND KNITTING MILLS - YARN USED : AUSTRALIA.

('000 lb.)

Year	Worsted	Woollen (a)	Cotton	Cotton (Mercerized)	Silk	Rayon	Nylon	Other
1938-39	5,582	168	4,245	876	1,143	5,281	(b)	(c)
1945-46	8,022	182	5,955	877	(c)	5,984	(b)	(c)
1947-48	9,647	142	8,726	882	326	5,227	(b)	89
1948-49	9,807	173	8,674	770	338	6,761	195	52
1949-50	8,525	336	8,774	568	196	6,513	531	23

(a) Includes some Mixture. (b) Details not collected. (c) Not available for publication.

TABLE V : ARTICLES PRODUCED IN HOSIERY AND KNITTING MILLS (a) : AUSTRALIA.

Articles Produced		Unit of Quantity	Quantity		Value (£)	
			1938-39	1949-50	1938-39	1949-50
STOCKINGS AND SOCKS:						
Men's -						
Wholly of Wool ..	doz.pr.		316,414	482,737	276,023	1,187,721
Wholly of Other Materials ..	"		73,144	40,764	42,478	61,510
Woolen Mixtures ..	"		593,135	624,978	432,831	1,540,984
Other Mixtures ..	"		151,711	10,151	79,096	23,284
Total Men's			1,134,404	1,158,630	830,428	2,813,559
Women's -						
Wholly of Silk ..	doz.pr.		808,814	307,101	1,190,315	1,154,166
Wholly of Rayon ..	"		135,467	58,794	69,109	134,562
Wholly of Nylon ..	"		-	704,780	-	3,246,320
Wholly of Other Materials ..	"		132,716	276,187	99,631	535,296
Silk Mixtures ..	"		668,250	57,143	1,070,706	190,971
Rayon Mixtures ..	"		299,839	52,527	190,846	83,287
Other Mixtures ..	"		91,092	281,055	55,515	378,669
Total Women's			2,136,176	1,737,587	2,676,122	5,723,277
Children's -						
Wholly of Wool ..	doz.pr.		188,464	234,339	124,284	341,634
Wholly of Other Materials ..	"		21,215	91,166	12,281	29,524
Rayon Mixtures ..	"		282,771	101,959	108,614	94,219
Cotton Mixtures ..	"		53,273	140,059	19,431	148,025
Other Mixtures ..	"		65,767	-	37,222	-
Total Children's			611,490	567,523	302,879	683,402
Total Socks and Stockings			3,882,072	3,463,740	3,869,429	9,220,238
GARMENTS MADE (b):						
Underwear -						
Wool ..	doz.		379,879	404,237	517,248	1,611,911
Rayon ..	"		986,198	878,833	1,101,650	2,918,046
Cotton ..	"		678,021	1,360,990	477,384	2,852,793
Other (incl. Silk) ..	"		77,853	33,052	54,029	75,099
Nightwear (Women's and Girls')						
Wool ..	doz.		5,228	2,446	25,017	45,825
Rayon ..	"		47,839	100,106	115,413	537,644
Cotton ..	"		4,075	30,230	9,479	312,983
Other (incl. Silk) ..	"		-	-	-	-
Costumes, Robes, etc. -						
Wool ..	doz.		2,323	4,708	33,669	148,151
Rayon ..	"		2,105	2,803	8,714	51,696
Cotton ..	"		9,657	1,407	15,681	31,045
Other (incl. Silk) ..	"		-	-	-	-
Bathing Suits, etc. -						
Wool ..	doz.		77,077	34,330	262,598	270,608
Rayon ..	"		-	18,053	-	298,853
Cotton ..	"		1,784	10,962	7,085	67,195
Other (incl. Silk) ..	"		-	5,317	-	86,976
Cardigans, Jumpers, etc. -						
Boys' and Girls' (Chest under 34") -						
Wool ..	doz.		76,252	148,060	114,716	1,297,103
Rayon ..	"		-	451	-	6,099
Cotton ..	"		596	51,295	727	264,170
Other (incl. Silk) ..	"		-	-	-	-
Men's and Women's (Chest 34" and over) -						
Wool ..	doz.		203,508	262,906	947,090	3,970,274
Rayon ..	"		48,921	7,678	53,784	52,295
Cotton ..	"		12,577	85,261	24,668	349,071
Other (incl. Silk) ..	"		-	14,040	-	104,161

(a) These figures represent only those garments made in Knitting Mills and do not include production of similar garments from Woven or Knitted Fabric in other Factories. Manufacturing Industry Summary No. 18 - Clothing shows the total production of these articles including those produced in Knitting Mills.

(b) Of or predominantly of the Fibre shown.

TABLE VI : STOCKINGS AND SOCKS PRODUCED IN HOSIERY AND KNITTING MILLS :

AUSTRALIA

Year	Men's		Women's		Children's	
	Quantity	Value	Quantity	Value	Quantity	Value
	doz. pr.	£	doz. pr.	£	doz. pr.	£
1938-39	1,134,404	830,428	2,136,178	2,676,122	611,490	302,879
1945-46	1,147,798	1,485,830	1,194,839	2,164,264	544,916	414,527
1947-48	1,264,373	2,065,145	1,567,478	4,657,275	717,724	704,800
1948-49	1,275,403	2,525,296	1,536,549	4,622,738	705,059	725,684
1949-50	1,156,630	2,813,559	1,737,587	5,723,277	567,523	683,402

4. **EMPLOYMENT:** The number of persons employed as shown in Tables I, II and VIII has been adjusted to represent the average employment over the whole year in those cases where short time was worked. In Table VII the factories have been classified according to the average number employed during the actual period worked.

TABLE VII : FACTORIES CLASSIFIED ACCORDING TO PERSONS EMPLOYED : AUSTRALIA

Number of Persons Employed in each Factory	1938-39		1945-46		1947-48		1948-49		1949-50	
	Number of Factories	Number	Number of Factories	Number Employed	Number of Factories	Number Employed	Number of Factories	Number Employed	Number of Factories	Number Employed
Under 4	24	55	19	50	21	41	45	98	68	143
4	19	76	14	56	25	100	19	76	21	84
5 to 10	64	446	91	666	83	617	92	672	94	680
11 to 20	63	1,024	65	965	88	1,300	97	1,451	105	1,542
21 to 50	68	2,304	114	3,576	115	3,656	115	3,785	108	3,648
51 to 100	35	2,449	31	2,183	41	2,946	52	3,696	48	3,270
101 to 200	40	11,935	24	3,133	28	3,878	23	3,054	31	4,108
201 to 300			7	1,695	6	1,587	9	2,120	11	2,917
301 to 400			6	1,930	5	1,663	6	2,068	3	1,041
401 and over			5	2,934	8	4,644	7	4,152	7	4,284
TOTAL	313	18,269	376	17,188	420	20,432	465	21,172	496	21,717
Average No. Employed per Factory	58		46		49		46		44	

Further details of employment in the Industrial Group, Hosiery and Other Knitted Goods, are furnished in the next two tables. In Table VIII the numbers of males and females employed are shown for the years 1938-39, 1948-49 and 1949-50 according to the nature of their employment, but because of the change in classification which operated from 1945-46 comparison between 1938-39 and the later years shown is not wholly effective. Table IX shows distribution according to age and sex at 15th June.

TABLE VIII : PERSONS EMPLOYED CLASSIFIED ACCORDING TO OCCUPATIONAL STATUS :

AUSTRALIA

Occupational Status	Males			Females		
	1938-39	1948-49	1949-50	1938-39	1948-49	1949-50
Working Proprietors	222	235	270	74	99	115
Managerial and Clerical Staff including Salaried Managers and Working Directors	5,157	648	657	12,657	796	840
Chemists, Draftsmen and other Laboratory and Research Staff		30	29		16	12
Foremen and Overseers		499	498		350	289
Workers in Factory (Skilled and Unskilled)		4,958	5,148		13,296	13,567
* Others (Carters and Messengers, &c.)	28	24	24	21	165	128
TOTAL	5,407	6,394	6,626	12,752	14,722	14,951

TABLE IX : 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 yrs. and over	Total all Ages
MALES									
1939	314	(a)	(a)	(a)	(a)	(a)	1,562	3,272	5,148
1946	169	167	162	218	192	140	879	4,037	5,085
1948	147	154	191	224	217	230	1,016	5,010	6,173
1949	107	175	160	179	188	198	900	5,109	6,116
1950	129	125	137	173	170	207	812	5,556	6,497
FEMALES									
1939	1,273	(a)	(a)	(a)	(a)	(a)	4,826	6,082	12,181
1946	682	709	754	868	743	761	3,835	8,390	12,907
1948	567	678	820	819	807	681	3,805	9,998	14,370
1949	486	625	682	793	801	745	3,646	10,784	14,916
1950	519	523	654	740	758	662	3,337	11,278	15,134

(a) Details not collected.

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

TABLE X : TYPES AND RATED HORSE-POWER OF ENGINES : AUSTRALIA.

Class of Engine	Rated Horse-Power of Engines					
	Ordinarily in Use			In Reserve or Idle		
	1938-39	1948-49	1949-50	1938-39	1948-49	1949-50
Steam - Reciprocating	301	187	283	567	515	607
Turbine	3	15	30	2	-	-
Internal Combustion -						
Gas	25	31	17	-	3	3
Petrol or Other Light						
Oils	-	167	386	-	632	759
Heavy Oils	170	334	357	106	305	360
Water	-	62	-	-	-	-
Total Prime Movers:	499	796	1,073	675	1,455	1,729
Motors driven by						
electricity -						
Purchased	8,385	12,215	13,552	618	1,312	1,270
Own Generation	-	(a) 164	(a) 84	-	215	5
Total Electricity:	8,385	12,379	13,636	618	1,527	1,275
TOTAL POWER USED:	8,884	13,011	14,625	1,293	2,982	3,004

(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.

6. **MACHINE EQUIPMENT:** Some particulars of the machine equipment of Knitting Mills are given in the next table:-

TABLE XI : MACHINE EQUIPMENT : AUSTRALIA.

Year	Knitting Machines	Spindles	Overlockers	Winders	Linking Machines
1938-39	6,998	12,892	1,415	673	853
1945-46	7,743	6,563	1,761	528	1,048
1947-48	7,992	5,615	1,620	594	1,031
1948-49	9,028	6,573	1,934	668	1,026
1949-50	9,545	8,569	2,456	669	1,176

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 Hosiery and Knitting Mills are shown in the following table.

TABLE XII : POWER, FUEL AND LIGHT, ETC. USED : AUSTRALIA.

Particulars	Unit of Quantity	Quantity			Value (£)		
		1938-39	1948-49	1949-50	1938-39	1948-49	1949-50
Power, Fuel and Light-							
Coal - Black	Ton	13,646	5,877	5,557	22,130	16,458	18,171
Brown	"	1,494	10,140	10,303	2,294	11,109	12,232
Brown Coal Briquettes	"	(a)	16	3c	(a)	27	76
Coke	"	1,139	2,340	2,124	1,713	6,042	7,207
Wood	"	6,553	13,583	12,878	2,846	15,144	16,010
Fuel Oil	Gallon	1,246,603	626,710	1,045,548	19,522	34,598	67,093
Tar (Fuel)	"	(b)	671,499	440,356	(c)	18,677	14,694
Electricity	-	(d)	(d)	(d)	59,163	129,434	136,245
Gas	-	(d)	(d)	(d)	2,617	5,144	5,476
Other (Charcoal, etc.)	-	(d)	(d)	(d)	538	5,993	4,120
Water and Lubricating Oil used		(d)	(d)	(d)	22,331	28,927	33,782
TOTAL		(d)	(d)	(d)	133,154	271,553	315,108

(a) Included with Brown Coal. (b) Not available. (c) Included with other (Charcoal, etc.). (d) Value only available.

8. VALUE OF LAND, BUILDINGS, PLANT AND MACHINERY: Particulars of the book values of premises occupied and plant used in Knitting Mills at the 30th June for the years 1938-39, 1945-46 and 1947-48 to 1949-50 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 XIII : VALUE OF LAND AND BUILDINGS, PLANT AND MACHINERY, ETC. :

AUSTRALIA

(£)

Year	Book Values as at 30th June (a)		Additions & Replacements made during year		Depreciation allowed during year	
	Land and Buildings	Plant and Machinery	Land and Buildings	Plant and Machinery	Land and Buildings	Plant and Machinery
1938-39	1,962,336	1,930,564	21,327	175,515	20,302	241,330
1945-46	2,444,369	1,358,482	99,359	253,353	21,828	223,968
1947-48	2,753,994	1,964,508	156,853	779,224	32,347	332,206
1948-49	3,210,207	2,763,161	233,029	998,939	43,002	420,599
1949-50	3,876,598	3,814,734	224,389	1,214,554	38,801	572,410

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

9. EXTERNAL TRADE: The quantities and values of imports of a number of items included in the group - Hosiery, Knitted and Lockstitched Apparel are given for the years 1938-39, 1945-46 and 1947-48 to 1949-50 in the following table.

TABLE XIV : IMPORTS OF HOSEIERY, KNITTED AND LOCKSTITCHED APPAREL :
AUSTRALIA

Particulars	Unit of Quantity	Quantity				
		1938-39	1945-46	1947-48	1948-49	1949-50
Socks and Stockings -						
Men's	doz.pr.	13,576	14	34,432	157,500	96,076
Women's and Children's	" "	25,870	424	192,215	996,672	593,353
Knitted Apparel -						
Bathing Costumes	doz.	635	4	95	384	240
Blouses and Skirts	"	57	25	397	1,401	652
Coats, Jumpers, Cardigans,						
Sweaters and similar Garments	"	2,243	54	6,944	18,969	47,277
Costumes, Dresses and Robes	"	237	10	276	511	1,134
Underwear	"	1,659	622	23,511	215,045	87,824

Value (F.A. f.o.b.)

	1938-39	1945-46	1947-48	1948-49	1949-50
Socks and Stockings -					
Men's	17,913	22	86,259	360,459	224,705
Women's and Children's	31,496	513	607,321	2,283,661	1,603,043
Knitted Apparel -					
Bathing Costumes	3,667	59	2,510	7,736	1,342
Blouses and Skirts	327	189	3,749	5,689	4,230
Coats, Jumpers, Cardigans, Sweaters					
and similar Garments	19,168	610	120,896	269,787	525,882
Costumes, Dresses and Robes	7,162	1,102	25,191	31,915	41,584
Underwear	5,856	3,300	105,266	565,493	232,725
Hosiery (other than Socks and Stockings)					
and Knitted Articles of Apparel, n.e.i.	475	34	3,304	10,795	27,099

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