

MANUFACTURING INDUSTRIES

1963-64

NO. 11. WOOLLEN MILLS

COMMONWEALTH BUREAU OF CENSUS AND STATISTICS, CANBERRA

AUSTRALIA

EXPLANATORY NOTES

GENERAL. The range of bulletins in this series for 1963-64 is the same as for 1962-63. A complete list of the series is shown inside the back cover.

Where a number of industries are combined in one bulletin, the introductory paragraph on page 3 specifies the industries so included.

CLASSIFICATION OF FACTORIES. For purposes of industry classification, factories are classified according to the nature of their products. 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. This is also true for figures for individual materials used but figures for individual articles produced represent total recorded production of the articles listed, and include quantities produced, as subsidiary production, in industries otherwise classified.

BASIS OF THE STATISTICS. The scope of the factory statistics is fully explained in the annual Secondary Industries Bulletin, Part I - Factory and Building Operations.

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. The figures do not include details relating to small establishments not classified for statistical purposes as factories.

All persons employed in the manufacturing activities of the factory are counted as factory employees. The figures relating to employment, therefore, include working proprietors 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 power, fuel, etc. used includes the cost of light, lubricants and water used.

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, in addition to wages and salaries, such items as interest, depreciation, profits, taxation, advertising and other sundry charges are met. As details of these other costs of production are not collected, the amounts of profit resulting from factory operations cannot be ascertained from the figures contained herein.

MANUFACTURING INDUSTRIES : AUSTRALIA, 1963-64

WOOLLEN MILLS

1. SUMMARY OF STATISTICS. The following table furnishes a summary of the principal statistics of Woollen Mills in Australia for the years 1959-60 to 1963-64. Tables 4 to 10 (quantity tables) include relevant information from establishments otherwise classified (e.g. Woolscouring and Fellmongering).

TABLE 1. - WOOLLEN MILLS : AUSTRALIA

Year	Factories	Persons Employed	Salaries and Wages Paid	Power, Fuel and Light etc. used	Value of Materials, etc. used	Value of Production	Value of Output
	(1)	(2) (a)	(3) (b)	(4) (c)	(5) (d)	(6) (e)	(7) (f)
	No.	No.	£'000	£'000	£'000	£'000	£'000
1959-60	134	22,433	18,052	1,563	47,440	29,131	78,134
1960-61	135	21,400	17,372	1,484	40,629	28,119	70,232
1961-62	134	20,102	17,081	1,457	43,122	26,593	71,172
1962-63	134	21,131	18,230	1,507	48,513	29,326	79,346
1963-64	129	20,061	17,738	1,437	53,689	27,899	83,025

(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, at the factory, of goods produced.

In the following table particulars are given for each State for the year 1963-64.

TABLE 2. - WOOLLEN MILLS : STATES, 1963-64

Particulars *	N.S.W.	VIC.	Q'LD.	S.A.	W.A.	TAS.	AUST.
	No.	No.	No.	No.	No.	No.	No.
Factories	36	78	4	4	3	4	129
Persons Employed -							
Males	2,280	4,741	447	(a)	(a)	965	8,972
Females	3,022	5,442	640	(a)	(a)	1,445	11,089
<u>Total</u>	5,302	10,183	1,087	(a)	(a)	2,410	20,061
	£'000	£'000	£'000	£'000	£'000	£'000	£'000
Salaries and Wages Paid	4,881	9,126	780	(a)	(a)	2,044	17,738
Value of -							
Power, Fuel and Light etc. used	385	750	60	(a)	(a)	163	1,437
Materials, etc. used	12,915	29,588	1,935	(a)	(a)	5,323	53,689
Production	8,365	14,106	981	(a)	(a)	2,982	27,899
Output	21,665	44,444	2,976	(a)	(a)	8,468	83,025
Land and Buildings (b)	3,211	6,900	299	(a)	(a)	829	11,663
Plant and Machinery (b)	3,836	6,972	343	(a)	(a)	1,473	13,275
	H.P.	H.P.	H.P.	H.P.	H.P.	H.P.	H.P.
Rated H.P. of Engines ordinarily in use	16,226	40,271	4,181	(a)	(a)	7,054	71,318

(a) Not available for publication.

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

* See also footnotes to Table 1 above.

2. AVERAGE SALARIES, OUTPUT AND PRODUCTION. Particulars of the average salaries and wages paid, together with the average values of output and production per person engaged and the ratio of salaries and wages to the value of production, are shown in the following table for the years 1959-60 to 1963-64.

TABLE 3. - WOOLLEN MILLS
AVERAGE SALARIES AND WAGES PAID, OUTPUT, ETC. PER EMPLOYEE

AUSTRALIA

Year	Salaries and Wages per Employee	Value of Output per Person Engaged	Value of Production per Person Engaged	Ratio of Salaries and Wages to Value of Production
	(a)	(b)	(b)	
	£	£	£	%
1959-60	806	3,483	1,299	61.97
1960-61	852	3,282	1,314	61.78
1961-62	850	3,541	1,323	64.23
1962-63	863	3,755	1,388	62.16
1963-64	885	4,139	1,391	63.58

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

(b) Includes Working Proprietors.

3. MATERIALS USED AND ARTICLES PRODUCED. In the tables which follow, details of materials used relate to total use of selected materials for the purposes mentioned, or in particular industries. Figures for articles produced relate to total Australian production and include output of factories not classified as Woollen Mills. (See Explanatory Notes - Classification of Factories).

TABLE 4. - FELLMONGERIES AND WOOLSCOURING WORKS : AUSTRALIA

(Including Woolscouring in Woollen Mills)

FELLMONGERING

Year	Materials Used		Output	
	Sheepskins	Skin Pieces	Scoured Wool	Slips or Pie Wool
Commodity Code No.	201.55	201.57	242.26	242.04
	'000	'000 lb.	'000 lb.	'000 lb.
1959-60	5,894	8,177	20,191	3,090
1960-61	5,284	8,157	19,003	3,881
1961-62	5,531	8,081	18,003	4,357
1962-63	5,068	7,697	15,277	5,827
1963-64	4,672	6,535	13,069	5,427

WOOLSCOURING

Year	Materials Used			Output
	Greasy Wool	Slips or Pie Wool	Waste Wool	Scoured or Carbonized Wool (a)
Commodity Code No.	242.02	242.04	242.42	242.24
	'000 lb.	'000 lb.	'000 lb.	'000 lb.
1959-60	279,144	1,413	919	160,328
1960-61	245,822	1,788	975	139,196
1961-62	263,936	1,775	1,002	150,276
1962-63	274,632	2,440	1,715	156,531
1963-64	254,429	2,568	1,381	147,268

(a) Including wool scoured and used for further processing in Woollen Mills.

TABLE 5. - SCOURED OR CARBONIZED WOOL
TOTAL OUTPUT BY FELLMONGERIES AND WOOLSCOURERS : AUSTRALIA
 (Commodity Codes 242.24 and 242.26)

Year	Quantity
	'000 lb.
1959-60	180,519
1960-61	158,199
1961-62	168,279
1962-63	171,808
1963-64	160,337

The next tables contain details of pure wool topmaking and wool-worsted spinning operations in all Australian factories, together with particulars of wooltops exported.

TABLE 6. - WORSTED CARDING AND COMBING : AUSTRALIA
 ('000 lb.)

Year	Topmaking			Wool Tops Exported
	Scoured Wool used for Pure Wool Tops	Wool Tops made (Pure Wool at First Combing)	Noils, Fettleings and Usable Wastes Produced (a)	
Commodity Code No.	242.14	242.32	242.41,43	-
1959-60	56,099	48,021	7,396	22,743
1960-61	46,651	40,781	5,695	16,694
1961-62	54,629	46,031	5,461	21,438
1962-63	55,149	47,957	5,528	21,631
1963-64	58,807	50,588	4,901	25,947

(a) Figures for 1961-62, 1962-63 and 1963-64 include some non-wool fibres.

TABLE 7. - WORSTED CARDING AND COMBING :
PRODUCTION OF PURE WOOL TOPS : AUSTRALIA
 ('000 lb.)

Count	1959-60	1960-61	1961-62	1962-63	1963-64
Finer than 70's	42	944	870	890	60
70's	990				
66's (including 64/70's)	3,271	3,254	2,757	4,009	3,340
64's (including 64/60's)	10,618	7,145	8,344	7,321	7,046
60's (including 60/64's and 60/58's)	15,107	11,839	14,342	14,347	15,012
58's (including 58/60's and 58/56's)	8,383	7,448	8,377	7,582	9,515
56's (including 56/58's and 56/50's)	5,226	5,277	7,128	8,449	9,757
50's (including 50/56's)	1,905	1,584	2,874	3,605	2,223
Coarser than 50's	2,501	2,574	930	1,723	2,204
Statistical Discrepancy (a)	(-)22	716	409	31	40
TOTAL	48,021	40,781	46,031	47,957	50,588

(a) Totals by counts in Table 7 differ slightly from totals shown in Table 6 because of estimation involved.

TABLE 8. - WOOL WORSTED SPINNING (a) : AUSTRALIA
('000 lb.)

Year	Wool Tops used for Pure Spun Yarns	Pure Wool Worsted Yarn Made	Production of Mixed Yarns Predominantly Wool Worsted	Total Wool Worsted Yarn Produced
Commodity Code No.	242.37	363.17,21,25,29	363.19,23,27,31	-
1959-60	21,922	20,074	3,812	23,886
1960-61	19,840	18,564	4,483	23,347
1961-62	20,442	18,509	4,010	22,519
1962-63	22,722	21,682	4,194	25,876
1963-64	20,373	19,285	4,525	23,811

(a) See next table for particulars of spinning waste.

Details of the quantities of scoured wool and waste wool used in the spinning of pure woollen yarns, and the total quantity of woollen yarns made, are shown in the next table.

TABLE 9. - WOOLLEN CARDING AND SPINNING
('000 lb.)

Year	Materials Used for Pure Spun Yarns		Pure Woollen Yarn Produced	Production of Mixed Yarn Predominantly Woollen	Total Woollen Yarn Produced	Wool Waste Produced (a)
	Scoured Wool	Wool Waste (Noils, Fettleings etc.)				
Commodity Code No.	242.16	242.48	363.47,51,55,59,73	363.49,53,57,61,75	-	242.52
1959-60	20,876	2,741	22,197	5,215	27,412	2,851
1960-61	18,504	2,637	20,639	5,093	25,732	2,522
1961-62	17,906	2,361	10,365	5,071	23,436	2,355
1962-63	17,002	3,388	19,596	7,208	26,804	2,622
1963-64	15,942	3,440	20,285	8,095	28,380	2,353

(a) Wastes from pure woollen and pure wool-worsted yarn making.

The following table shows the utilization of wool worsted and woollen yarns in certain manufacturing processes. Details of the utilization of yarn for hand knitting purposes are not available, but the quantity of hand knitting yarns made during the year 1963-64 was 4,565,694 lbs. (Commodity Code Numbers 363.25,27,59,61).

TABLE 10. - UTILIZATION OF WOOLLEN AND WORSTED YARNS
('000 lb.)

Year	In Woollen Mills						In Hosiery and Knitting Mills			Other (including Carpet) (a)
	Woollen Yarn			Worsted Yarn			Woollen and Worsted Yarn			
	Pure	Mixture	Total	Pure	Mixture	Total	Pure	Mixture	Total	Pure and Mixtures
1959-60	16,216	4,682	20,899	6,953	1,048	8,001	8,896	1,638	10,536	5,706
1960-61	14,656	4,629	19,285	6,177	857	7,034	8,844	1,568	10,412	5,689
1961-62	12,963	3,750	16,713	6,458	1,576	8,034	8,767	1,490	10,257	5,387
1962-63	14,477	3,851	18,328	6,125	1,132	7,257	10,312	1,820	12,132	6,236
1963-64	15,325	3,209	18,534	6,002	1,168	7,170	10,805	1,761	12,566	6,878

(a) Industrial Sub-class 6-12 only.

In the next table the output of woven wool products from all factories is shown for the years 1959-60 to 1963-64.

TABLE 11. - WOVEN WOOL PRODUCTS : AUSTRALIA

Item	Commodity Code No.	Unit	1959-60	1960-61	1961-62	1962-63	1963-64
Woven Cloth (excl. Blanketing) -							
Pure Wool Worsted	372.02,06,18	'000sq.yds.	11,988	10,087	9,106	10,744	8,524
Pure Woollen	372.22,26,30,34,48	"	10,586	9,408	8,806	10,227	9,093
Mixtures -							
Predominantly -							
Wool Worsted	372.04,08,20	"	2,292	2,117	2,259	3,180	2,674
Woollen	372.24,28,32,36,50	"	5,363	4,851	4,820	4,105	3,422
Blankets - Double	372.52,54	'000	726	663	608	638	659
Three-Quarter	372.56,58	"	272	227	237	248	335
Single	372.60,62	"	840	921	764	878	1,096
Cot	372.64,66	"	96	93	80	81	65
Rugs	372.70,72	"	179	183	161	198	187

4. EMPLOYMENT. The number of persons employed as shown in Tables 1, 2 and 13 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 in each of the years 1959-60 to 1963-64 according to the average number employed during the actual period worked.

TABLE 12. - WOOLLEN MILLS ACCORDING TO PERSONS EMPLOYED

AUSTRALIA

Number of Persons Employed in Each Factory	1959-60		1960-61		1961-62		1962-63		1963-64	
	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	No. of Fac-tories	Number Em-ployed
Under 4	3	4	8	17	4	6	5	11	4	10
4	4	16	3	12	2	8	1	4	2	8
5 - 10	10	76	11	94	13	91	12	105	13	95
11 - 20	15	235	11	186	14	229	16	252	14	218
21 - 50	23	738	25	802	26	839	27	957	23	753
51 - 100	17	1,237	20	1,523	22	1,684	18	1,463	17	1,286
101 - 200	26	3,975	23	3,429	22	3,411	23	3,609	27	4,073
201 - 300	12	2,870	12	2,888	12	2,912	12	2,857	11	2,668
301 - 400	9	3,032	8	2,625	7	2,403	6	2,048	6	2,100
401 - 500	4	1,776	4	1,701	3	1,361	5	2,211	3	1,402
501 - 750	8	4,853	7	4,391	5	2,879	6	3,718	6	3,431
751 and over	3	3,622	3	3,749	4	4,321	3	4,096	3	4,034
<u>TOTAL</u>	134	22,434	135	21,417	134	20,144	134	21,331	129	20,078
Average Number Employed per Factory	167		159		150		159		156	

Further details of employment are furnished in the two tables which follow. In Table 13 the numbers of males and females employed are shown for the years 1961-62 to 1963-64 according to the nature of their employment.

TABLE 13. - WOOLLEN MILLS : PERSONS EMPLOYED
ACCORDING TO OCCUPATIONAL STATUS : AUSTRALIA

Occupational Status	1961-62		1962-63		1963-64	
	Males	Females	Males	Females	Males	Females
Working Proprietors	10	2	9	1	11	3
Managerial and Clerical Staff, including Salaried Managers and Working Directors	793	622	783	600	826	613
Chemists, Draftsmen and Other Laboratory and Research Staff	94	65	91	64	87	70
Foremen and Overseers, Workers in Factory (Skilled and Unskilled Carters (excluding Delivery only) Messengers, etc.	8,206	10,310	8,527	11,056	8,048	10,403
TOTAL	9,103	10,999	9,410	11,721	8,972	11,089

In the following table the numbers of persons employed on the last pay-day in June for the years 1960 to 1964 are shown according to age and sex distribution.

TABLE 14. - WOOLLEN MILLS : PERSONS EMPLOYED ACCORDING TO AGE AND SEX
AUSTRALIA (Excluding Working Proprietors)

Last Pay Day in June	Under 16 Years	16 to 20 Years	21 Years and over	Total all Ages
MALES				
1960	261	959	8,589	9,809
1961	171	784	7,688	8,643
1962	231	916	8,252	9,399
1963	187	936	8,144	9,267
1964	159	921	7,637	8,717
FEMALES				
1960	468	1,993	10,222	12,683
1961	339	1,599	8,186	10,124
1962	513	1,873	9,457	11,843
1963	406	1,916	8,760	11,082
1964	404	2,061	8,512	10,977

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

TABLE 15. - WOOLLEN MILLS : TYPES AND RATED HORSEPOWER OF ENGINES, AUSTRALIA

Class of Engine	Rated Horsepower of Engines					
	Ordinarily in Use			In Reserve or Idle		
	1961-62	1962-63	1963-64	1961-62	1962-63	1963-64
Steam - Reciprocating	126	16	16	500	620	520
Internal Combustion -						
Petrol and other Light Oils	..	..	..	914	840	372
Heavy Oils	..	..	..	1,478	1,100	960
Water	192	..	..	..	..	..
Total Prime Movers	318	16	16	2,892	2,560	1,852
Motors driven by Electricity -						
Purchased	70,292	71,338	71,302	6,885	7,117	5,810
Own Generation	..	..	..	..	..	..
Total Electricity	70,292	71,338	71,302	6,885	7,117	5,810
TOTAL POWER EMPLOYED	70,610	71,354	71,318	9,777	9,677	7,662

6. **MACHINE EQUIPMENT.** Particulars of the principal machine equipment installed in Woollen Mills in Australia at 30th June, 1964 is included in the general Table below.

TABLE 16. - TEXTILE INDUSTRIES : MACHINES INSTALLED AT 30TH JUNE, 1964

AUSTRALIA

Description	Number Installed (a)			
	In production at any time during June Quarter, 1964		Idle during whole of June Quarter, 1964	
	Machines		Machines	
SECTION 1 - FIBRE PREPARATION -				
Cotton Blowroom Machines -				
Opening and Blending (b)	121		3	
Scutching	61		2	
Woolscouring Machines - incl. Solvent				
Degreasing (i.e. Sets of Bowls incl. sets used as part of a carbonizing chain)	130		13	
Wool Carbonizing Machines (i.e. Sets of Acid and Neutralizing Bowls)	27		3	
SECTION 2 - CARDING, COMBING, ETC. -				
Carding Machines - Worsted	235		9	
Woollen	249		14	
Cotton - Flat	1,386		54	
Condenser	120		..	
Combing Machines - Wool - Noble	286		15	
French	144		26	
	Machines	No. of Heads	Machines	No. of Heads
Cotton	42	255	8	33
Tow to Top Converting Machines	10	18	1	1
SECTION 3 - DRAWING, SPINNING, ETC. -				
Drawing Sets - Worsted - Open (Bradford)	67		15	
Continental	4		..	
Cone	13		1	
Auto Leveller	64		2	
	Machines	No. of Heads	Machines	No. of Heads
Cotton	279	1,281	3	15
	Machines	No. of Spindles	Machines	No. of Spindles
Speed Frames, Cotton - Slubbing	74	8,526	..	..
Intermediate	85	10,884	1	40
Roving	61	9,657	3	556
Spinning Frames - Worsted - Mules	..	..	..	..
Ring	383	85,102	2	392
Cap	585	109,318	119	21,952
Flyer	79	15,048	3	552
Other	29	5,448	..	..
Woollen - Mules	249	97,580	12	4,182
Ring	137	24,250	20	4,536
Cotton Ring	734	257,882	18	5,248
Twisting Frames, other than for Throwing -				
Ring	609	103,882	58	10,146
Cap	160	28,556	39	6,936
Other	90	7,768	6	1,034
Winding Frames, other than for Weft and Firm Winding -				
Cone	1,170	31,051	83	892
Cheese	245	10,583	27	893
Hank	145	5,346	19	708
Other	115	4,205	16	1,020

(a) Number in place and capable of operation at short notice. (b) Includes Automatic Mixing and Blending Machines.

TABLE 16. - TEXTILE INDUSTRIES, MACHINES INSTALLED AT 30TH JUNE, 1964, AUSTRALIA - contd.

Description	Number Installed (a)			
	In production at any time during June Quarter, 1964		Idle during whole of June Quarter, 1964	
	Machines	No. of Spindles	Machines	No. of Spindles
SECTION 4 - YARN THROWING, ETC. -				
Twisting Frames for Throwing - Uptwisting	243	49,714	57	8,716
Down Twisting	131	12,660	23	2,504
Other	373	9,397	20	1,290
Bulking or Texturizing Machines	88	14,518	..	..
SECTION 5 - WEAVING, ETC. -				
Pirn or Weft Winding Frames - Automatic	558	6,332	37	401
Non-Automatic	121	2,133	35	586
	Machines		Machines	
Warping Machines	449		35	
Sizing Machines	48		5	
Dry Beaming Machines	31		1	
	Looms		Looms	
Looms (incl. Weaving Machines) used principally for weaving	Auto	Non-Auto (b)	Auto	Non-Auto (b)
(i) Woollen and Wool Worsted Cloth -				
Reed Space - up to but not incl. 60"	19	56	4	17
- 60" and over	1,428	2,216	206	453
(ii) Cotton and/or Man-Made Fibre Cloth -				
Reed Space - up to but not incl. 14"	377	642	98	55
- 14" and up to but not incl. 42"	427	71	22	20
- 42" and up to but not incl. 60"	2,207	293	76	50
- 60" and over	1,805	172	100	49
	Machines	No. of Hds.	Machines	No. of Hds.
SECTION 6 - KNITTING -				
Hosiery Machines -				
Knitting - Fully Fashioned - Women's	117	1,971	111	2,046
	Machines		Machines	
Circular (excl. Anklets) - Women's -				
Rib	164		7	
Open Top	2,866		314	
Men's - Rib	894		129	
Open Top	100		74	
Children's - Rib	110		17	
Open Top	28		8	
Anklet - Women's	205		10	
Men's	355		96	
Children's	793		87	
Linking and/or Looping	676		459	
Seaming	261		229	
Knitted Fabric Machines -				
Warp Knitting Machines or Looms	624		111	
Flat Knitting Machines	2,506		518	
Circular Knitting Machines - Rib	2,164		560	
Open Top	827		488	
	Machines	No. of Hds.	Machines	No. of Hds.
Fully Fashioned Knitting Machines	83	505	2	43

(a) Number in place and capable of operation at short notice.

(b) Excludes Hand Looms.

TABLE 16. - TEXTILE INDUSTRIES: MACHINES INSTALLED AT 30TH JUNE, 1964, AUSTRALIA - contd.

Description	Number Installed (a)			
	In production at any time during June Quarter, 1964		Idle during whole of June Quarter, 1964	
	Open Vessels	Press Vessels	Open Vessels	Press Vessels
SECTION 7 - DYEING, ETC. -				
Dye Plant (b) for -				
Loose Stock or Fibres	66	34	2	1
Tops, Sliver or Roving	145	39		..
Yarn - Cone, Cheeses etc.	21	71	..	..
Beam	13	4	..	..
Hank	186	19	6	..
Piece Goods	808	38	42	..
Garments and Hosiery (c)	282	11	15	1
SECTION 8 - FINISHING -				
Finishing - Scouring (excl. Dye Vessels)	211		6	
Milling	193		14	
Stentering (Single Layer)	59		5	
Tentering (Multi-Layer)	54		2	
Resin Baking or Polymerizing	23		3	
Mercerising - Yarn or Piece	8		2	
Calendaring	120		8	
Cropping	91		11	
Raising or Brushing	176		16	
Blowing - Steam	76		4	
Pressing - Power	93		18	
Hand	99		19	
Pre-boarding	121		11	

(a) Number in place and capable of operation at short notice.

(b) Classified by predominant usage.

(c) Other than plant for re-dyeing.

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 for the years 1961-62 to 1963-64.

TABLE 17. - WOOLLEN MILLS : POWER, FUEL AND LIGHT, ETC. USED

AUSTRALIA

Particulars	Unit of Qty.	Quantity			Value (£)		
		1961-62	1962-63	1963-64	1961-62	1962-63	1963-64
Power, Fuel and Light	-	-	-	-	-	-	-
Coal - Black	ton	25,605	25,701	24,806	111,501	111,786	109,305
Brown	"	8,651	715	386	22,397	1,553	812
Brown Coal	-	-	-	-	-	-	-
Briquettes	"	9,999	16,451	13,604	49,334	69,812	66,850
Coke	"	62	25	17	569	194	132
Wood	"	16,657	18,490	18,687	33,363	38,385	38,506
Fuel oil	gal	3,873,669	4,597,860	4,810,353	230,072	241,870	236,053
Tar (Fuel)	ton	821	..	..	7,984	..	..
Electricity	-	(a)	(a)	(a)	787,274	857,457	802,063
Gas	-	(a)	(a)	(a)	6,235	8,784	6,749
Other (Charcoal, etc.)	-	(a)	(a)	(a)	51,402	25,096	25,879
Water and Lubricating oil	-	(a)	(a)	(a)	156,217	152,269	150,348
Total	-	(a)	(a)	(a)	1,456,348	1,507,206	1,436,697

(a) Value only available.

9. VALUE OF LAND, BUILDING, PLANT AND MACHINERY. Particulars of the book values of premises occupied and plant installed at the 30th June for the years 1959-60 to 1963-64 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 18. - WOOLLEN MILLS : 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
1959-60	10,625,388	12,599,328	285,567	1,409,172	62,417	1,170,680
1960-61	10,903,549	12,551,515	551,107	2,270,419	71,932	1,378,405
1961-62	10,911,452	13,235,075	457,937	2,344,916	76,119	1,205,662
1962-63	11,575,203	13,720,029	278,397	1,934,670	63,725	1,248,079
1963-64	11,662,999	13,274,811	402,785	1,431,469	58,882	1,400,478

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

9. EXTERNAL TRADE. The quantities and values of imports and exports of a number of the products of Woollen Mills are given for the years 1959-60 to 1963-64 in Table 19.

TABLE 19. - IMPORTS AND EXPORTS OF WOOLLEN PIECE GOODS, YARNS, TOPS AND NOILS : AUSTRALIA

Item	Quantity					Value (£A. f.o.b. port of shipment)				
	1959-60	1960-61	1961-62	1962-63	1963-64	1959-60	1960-61	1961-62	1962-63	1963-64
IMPORTS										
Blankets and Blanketing	sq. yds.	sq. yds.	sq. yds.	sq. yds.	sq. yds.					
Woolen Piecegoods (excl. Woolen felts) -	..	..	..	..	..	303,645	491,934	457,309	435,419	646,124
Flannels incl. Dommett containing Wool	213,237	352,376	20,626	13,813	8,445	50,187	73,964	9,253	7,883	5,856
For Outer Clothing - Worsted	465,366	765,851	474,820	539,905	488,581	551,801	716,824	500,058	590,466	475,815
Other Wholly Woolen Chiefly of Wool, mixed with other Fibres	512,010	2,447,198	1,356,323	1,654,213	1,602,213	404,540	1,312,750	899,872	1,194,385	1,173,889
Other Woollens	1,268,921					196,444					584,249	113,746
	lb.	lb.	lb.	lb.	lb.					
Yarns -										
Woolen (carded)	331,247	732,771	939,358	856,193	439,654	335,125	525,007	562,243	500,000	342,500
Worsted (combed or carded)	43,320	108,237	42,891	237,465	274,084	44,191	114,682	37,372	233,881	293,675
Other Woolen (incl. so-called Wools)	63,119	74,526	58,753	178,381	225,633	109,271	125,794	82,329	212,251	344,291
Wool Tops	101,513	70,258	123,669	62,035	49,196	55,568	34,404	64,597	30,786	28,471
Wool Noils	2,019	7,306	7,523	20,276	39,966	1,018	3,648	3,907	3,231	8,013
EXPORTS										
Blankets and Blanketing	..	..	..	..	..	37,236	92,412	66,438	89,831	197,931
Piecegoods - Woolen or containing Wool	sq. yds.	sq. yds.	sq. yds.	sq. yds.	sq. yds.					
	88,158	157,851	86,284	274,448	386,292	77,930	117,789	83,232	214,662	335,357
Yarn - Wool or known as Wool (including Worsted)	lb.	lb.	lb.	lb.	lb.					
	46,821	193,682	242,780	248,997	407,306	46,436	203,359	202,473	249,608	378,731
Wool Tops, Noils and Waste	35,562,103	26,476,766	30,129,516	32,727,189	37,114,489	15,340,955	9,934,364	12,483,042	12,946,229	17,260,976

13.

K.M. ARCHER
COMMONWEALTH STATISTICIAN

COMMONWEALTH BUREAU OF CENSUS AND STATISTICS
CANBERRA, A.C.T. 11TH OCTOBER, 1962.

NOTE. - Inquiries concerning these statistics may be made in Canberra by telephoning 41971 Extension 52 or, in each State Capital by telephoning the Office of the Bureau of Census and Statistics.