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WOOL MILLS

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WOOL MILLS

1965

SECTION 1. WOOL MILLS, 1965

In terms of both the revised Standard Industrial Classification and New Establishment Concept, this industrial group, known as the Wool Mills, is defined as comprising those "Establishments primarily engaged in spinning and winding woollen yarn for sale as such and in weaving woollen and worsted fabrics such as suitings, coatings, dress goods and flannel; blankets and blanketings; and other woollen fabrics. Included in this industry are establishments primarily engaged in weaving paper makers' felts of all materials".

This section of the report, covering this industrial group as a whole, has been prepared, as in the past, in that it shows in detail the breakdown of both the materials used and the goods of own manufacture shipped. It also contains information covering certain other data, considered to be best presented at this group level, together with all special tables covering the all-industry shipment data, etc.

Tables 2 and 3, respectively, of this section of the report, show in detail the materials and supplies used in manufacturing and the shipments of goods of own manufacture by the Wool Mills group. Tables 5 to 7, inclusive, presents the 1964 and 1965 all-industry shipments of apparel wool woven fabrics; of blankets, etc.; and of paper-makers' felt, wool or containing wool, respectively. Table 8 shows the total yarn spun by the Wool Mills group only; whereas Table 8A shows the total yarn spun in 1965 by the principal primary textile industries.

The two following sections deal separately with the two industries that constitute this group.

SYMBOLS

The following standard symbols are used in Dominion Bureau of Statistics publications:

.. figures not available.

... figures not appropriate or not applicable.

— nil or zero.

-- amount too small to be expressed.

p preliminary figures.

r revised figures.

x confidential to meet secrecy requirements of the Statistics Act.

TABLE 1. Principal Statistics, 1961-65

Year and province	Estab-lish-ments	Manufacturing activity							Total activity				
		Production and related workers			Cost of fuel and elec-tricity	Cost of materials and supplies	Value of shipments of goods of own manu-facture	Value added	Working owners and partners		Employees		Value added
		Number	Man-hours paid	Wages					Number	With-drawals	Number	Salaries and wages	
	No.		'000			\$'000				\$'000		\$'000	
1961													
Totals.....	82	7,106	15,810	20,649	1,712	51,333	94,232	42,588	18	77	8,441	26,885	42,621
1962													
Totals.....	76	7,522	16,572	22,185	1,800	55,984	100,669	45,035	13	74	8,835	28,649	45,120
1963													
Totals.....	76	7,704	16,894	23,509	1,844	65,473	116,666	50,350	21	121	8,962	30,332	50,622
1964													
Newfoundland	—	—	—	—	—	—	—	—	—	—	—	—	—
Prince Edward Island.....	2	x	x	x	x	x	x	x	x	x	x	x	x
Nova Scotia	—	—	—	—	—	—	—	—	—	—	—	—	—
New Brunswick	6	88	181	188	29	509	1,006	448	x	x	128	294	451
Quebec	35	3,431	8,168	11,695	899	33,701	59,868	26,655	x	x	3,978	15,024	26,871
Ontario	30	4,264	8,980	13,106	954	35,548	62,135	26,597	x	x	4,894	16,577	26,646
Manitoba.....	2	x	x	x	x	x	x	x	x	x	x	x	x
Saskatchewan	—	—	—	—	—	—	—	—	—	—	—	—	—
Alberta	—	—	—	—	—	—	—	—	—	—	—	—	—
British Columbia.....	3	x	x	x	x	x	x	x	—	—	x	x	x
Yukon and Northwest Territories	—	—	—	—	—	—	—	—	—	—	—	—	—
Totals.....	78	8,024	17,817	25,723	1,945	71,413	126,101	55,091	18	102	9,288	32,920	55,363
1965													
Newfoundland	—	—	—	—	—	—	—	—	—	—	—	—	—
Prince Edward Island.....	2	x	x	x	x	x	x	x	x	x	x	x	x
Nova Scotia	—	—	—	—	—	—	—	—	—	—	—	—	—
New Brunswick	6	97	217	238	38	651	1,225	595	x	x	131	364	600
Quebec	35	3,470	8,413	12,540	973	35,560	65,797	28,932	9	64	4,053	16,214	29,209
Ontario	30	4,052	8,475	12,746	853	33,223	61,317	27,553	x	x	4,879	16,391	27,664
Manitoba.....	1	x	x	x	x	x	x	x	x	x	x	x	x
Saskatchewan	—	—	—	—	—	—	—	—	—	—	—	—	—
Alberta	1	—	—	—	x	x	x	x	x	x	—	—	x
British Columbia.....	3	x	x	x	x	x	x	x	—	—	x	x	x
Yukon and Northwest Territories	—	—	—	—	—	—	—	—	—	—	—	—	—
Totals.....	78	7,858	17,598	26,304	1,936	70,986	131,473	58,692	20	109	9,148	34,066	59,123

TABLE 2. Materials and Supplies — Manufacturing Activity, 1964 and 1965

Description	1964				1965			
	Quantity		Cost		Quantity		Cost	
	lbs.		\$'000		lbs.		\$'000	
1. Materials used:								
Fibres:								
Cotton, raw	226,467		66		16,167		6	
Rayon staple, fibre, tow and tops	3,485,646		1,328		3,573,564		1,277	
Nylon staple, fibre, tow and tops	1,907,272		2,112		2,137,132		2,176	
Acrylic staple fibre, tow and tops	2,617,141		2,443		3,061,127		2,868	
Polyester staple fibre, tow and tops	577,175		806		1,174,387		1,318	
Other man-made staple fibre, tow and tops	33,371		18		27,817		17	
Wool:								
Canadian grown:								
Finer than 60's	—	334,060	25,182	319	6,244	74,882	25,766	104
60's	11,356	550,000	—	395	2,911	15,000	—	17
58's	142,519	97,256	42,768	231	151,485	90,007	69,394	260
56's	43,710	177,296	165,498	366	45,402	163,966	22,121	176
Coarser than 56's	423,854	412,595	178,287	879	403,767	479,838	150,717	910
Imported:								
Finer than 60's	352,766	1,289,298	—	1,851	515,140	1,658,776	—	2,044
60's	—	449,240	—	462	—	1,026,315	—	878
58's	439,266	1,361,633	11,000	1,272	536,141	1,637,039	47,210	1,592
56's	8,640	93,952	22,586	135	17,010	24,119	19,317	59
Coarser than 56's	4,565,352	2,755,026	331,549	6,997	4,578,653	2,638,743	436,596	6,716
Nolls, wool:								
Merino (60's quality and finer)	1,014,895		756		922,816		723	
Cross bred (coarser than 60's quality)	828,860		475		920,300		534	
Tops wool:								
Oil or Bradford:								
Merino (60's quality and finer)	7,369,416		11,850		7,158,811		10,982	
Cross bred (coarser than 60's quality)	4,590,224		5,660		4,163,853		5,056	
Dry or French	1,174,449		1,946		692,081		978	
Broken or cut	46,375		58		96,296		119	
Rags and clips, wool or part wool	3,237,213		1,164		5,875,507		1,830	
Waste wool or part wool	2,268,952		767		1,339,686		443	
Other waste (cotton and synthetic)	1,276,424		595		1,338,603		544	
Alpaca, vicuna, camel and other animal hair	372,787		599		417,701		640	
Other raw stocks	1,155,658		1,002		762,001		623	
Yarns:								
Filament yarns, all types	739,600		1,164		635,368		1,010	
Spun yarns:								
Cotton yarns	2,643,334		2,067		2,924,867		2,164	
Woollen system yarns, all types	618,787		1,388		308,410		433	
Other spun yarns:								
Wool and wool mixtures	3,258,233		7,126		3,994,888		8,781	
Other yarns	909,191		1,191		1,488,143		1,845	
Sewing thread .....	...		27		...		37	
Ribbon .....	...		192		...		199	
Soaps	811,517		221		793,601		190	
Oils .....	...		238		...		290	
Dyestuffs and chemicals .....	...		3,412		...		3,416	
All other materials and components used ¹ .....	...		1,186		...		1,026	
2. Containers and other packaging materials and supplies used .....	...		1,083		...		996	
3. Operating, maintenance and repair supplies used (excluding fuel) .....	...		4,440		...		4,255	
4. Amount paid out to others for work done on materials owned by establishments .....	...		3,125		...		3,454	
Totals .....	...		71,413		...		70,986	

¹No detailed information on materials used was collected from small establishments, the estimated costs for which are included here. These estimated costs were \$1,070,997 in 1964 and \$821,944 in 1965.

TABLE 3. Shipments of Goods of Own Manufacture, 1964 and 1965

Description	1964		1965	
	Quantity	Value	Quantity	Value
		\$'000		\$'000
1. Products:				
Woven fabrics (wool or containing wool): ¹				
Suitings, dressgoods, overcloating and cloakings:				
All wool, woollen	Sq. yard			
All wool, worsted	"			
Wool and rayon mixtures	"			
Wool and nylon mixtures	"			
Wool and polyester mixtures	"			
Other wool mixtures	"			
Upholstery and other furnishing and industrial fabrics containing wool	"			
All other fabrics	"			
Paper makers' felts wool or containing wool	"			
Woven goods:				
Blankets, all types, including crib ² (singles)	No.			
Motors robes (auto rugs)	"			
Yarn for sale: ⁴				
Spun yarns:				
Woolen system:				
Hand knitting	lb.			
Machine knitting (wool and wool blends)	"			
Carpet weaving and tufting	"			
All other spun yarns	"			
Machine knitting:				
Wool	"			
Acrylic	"			
Nylon	"			
Mixtures containing wool	"			
All other machine knitting yarns	"			
Weaving yarns and other yarns (except for knitting)	"			
Wool waste	"			
Inter company transfers	"			
All other products				
2. Amount received in payment for work done on materials and products owned by others				
Less adjustment for value of sales taxes, excise duties and outward transportation charges which could not be deducted from individual commodity items described above				
Total adjusted value of shipments and work done				

¹ For shipments of apparel wool woven fabrics in all industries, see Table 5.

² Included in "All other products".

³ For shipments of blankets in all industries, see Table 6.

⁴ For total yarns spun, whether for sale, for own use, or on commission, see Tables 8 and 8A.

TABLE 4. Industry Inventories, 1965

Province	Manufacturing				Non-manufacturing	Total inventories
	Raw materials and supplies	Goods in process	Finished goods of own manufacture	Total manufacturing	Products or materials purchased for resale	
Opening:						
Newfoundland	—	—	—	—	—	—
Prince Edward Island	x	—	x	x	—	x
Nova Scotia	—	—	—	—	—	—
New Brunswick	120	32	97	249	—	249
Quebec	7,608	6,445	3,055	17,108	100	17,208
Ontario	6,375	4,777	5,563	16,715	259	16,974
Manitoba	x	—	x	x	—	x
Saskatchewan	—	—	—	—	—	—
Alberta	x	x	x	x	—	x
British Columbia	x	x	x	x	—	x
Yukon and Northwest Territories	—	—	—	—	—	—
Totals	14,377	11,666	8,918	34,961	359	35,320
Closing:						
Newfoundland	—	—	—	—	—	—
Prince Edward Island	x	—	x	x	—	x
Nova Scotia	—	—	—	—	—	—
New Brunswick	129	29	160	318	—	318
Quebec	8,302	6,163	3,005	17,471	188	17,659
Ontario	7,265	5,356	5,295	17,916	231	18,148
Manitoba	x	—	x	x	—	x
Saskatchewan	—	—	—	—	—	—
Alberta	x	x	x	x	—	x
British Columbia	x	x	x	x	—	x
Yukon and Northwest Territories	—	—	—	—	—	—
Totals	16,050	12,030	8,695	36,775	420	37,195

book value \$'000

TABLE 5. Shipments of Apparel Wool Woven Fabrics, in All Industries, 1964 and 1965

Description	1964		1965 ^P	
	Quantity	Value	Quantity	Value
	sq. yds.	\$'000	sq. yds.	\$'000
Suitings, dress goods, overcoatings and cloakings: ¹				
All wool - Woollen	10,909,532	12,489	7,837,195	9,818
Worsted	12,187,909	25,943	14,893,882	28,760
Wool and rayon mixtures - Woollen	4,344,194	5,060	5,302,297	6,255
Worsted			739,567	2,108
Wool and polyester mixtures - Woollen	2,587,610	4,639	2,500,767	4,531
Worsted				
Other wool mixtures - Woollen	8,344,745	8,723	8,044,041	8,737
Worsted			274,310	426
Totals	38,373,990	56,834	39,592,059	60,636

¹ Apparel fabrics only: excludes industrial and upholstery fabrics and papermakers' felts.

TABLE 6. Shipments of Blankets, Baby Blankets and Auto Rugs, in All Industries, 1965

Description	Wool		Other	
	Quantity	Value	Quantity	Value
	No.	\$'000	No.	\$'000
Blankets: ¹				
Fancy coloured and white satinbound including all coverlets and throws, etc.	147,043	1,332	1,802,982	5,686
White blankets, whipped ends	82,994	382	10,312	72
Grey blankets, whipped ends	50,753	148	196,809	411
Other coloured blankets, whipped ends	33,343	258	(2)	(2)
	Wool and other			
	Quantity		Value	
	No.		\$'000	
All other blankets including shells for electric blankets	3,699,060		7,015	
Baby blankets	1,553,360		1,523	
Auto rugs	78,455		373	
Totals	7,655,111		17,200	

¹ Excluding flannelette (all cotton) sheets, all types.

² Included in "All other blankets".

TABLE 7. Shipments of Papermakers' Felts, in All Industries, 1964 and 1965

Description	1964		1965 ^P	
	Quantity	Value	Quantity	Value
	lbs.	\$'000	lbs.	\$'000
Papermakers' felt, wool or containing wool	4,232,053	18,507	4,373,819	20,040

TABLE 8. Total Yarn Spun in 1965, by the Industry, whether Produced for Own Use, for Sale or on Commission

Description	Quantity
	'000 lbs.
Yarn spun:	
Woolen system:	
Wool and wool mixtures	13,702
Wholly of man-made fibre	2,369
Other	3,505
Worsted and other systems:	
Wool (90% wool content and over)	12,717
Wool mixtures	5,118
Wholly of man made fibre	1,273
All other	968
Total	39,651

TABLE 8A. Total Yarn Spun, whether Produced for Own Use, for Sale or on Commission, in All Industries, ¹ 1965

Description	Quantity
	'000 lbs.
Yarn spun:	
Wholly of cotton	196,338
Cotton blends	
Wool	13,342
Wool mixtures	29,058
Wholly of one man-made fibre	34,719
Man-made fibre blends	
All other	8,344
Total	281,801

¹ Includes Cotton Yarn and Cloth Mills, Wool Mills, Synthetic Textile Mills, and Hosiery and Knitting Mills industries.

TABLE 9. Supplementary Breakdown of Wool Woven Apparel Fabrics, in All Industries, 1964 and 1965

Description	1964				1965			
	Suiting	Dress goods	Cloaking	Overcoating	Suiting	Dress goods	Cloaking	Overcoating
	square yards							
All wool - Woollen	1,159,423	6,353,609	3,379,185	17,317	379,159	7,622,317	3,798,959	1
Worsted	10,714,389	1,427,324	46,196	-	10,845,471			
Wool and rayon mixtures - Woollen	1,425,137	1,233,008	1,602,988	83,061	1,734,384	1	2,256,055	1
Worsted								
Wool and polyester mixtures - Woollen	2,568,919	18,691	-	-	1	1	1	-
Worsted								
Other wool mixtures - Woollen	659,770	846,087	2,211,152	4,627,736	459,693	1,431,394	1	4,429,168
Worsted								
Totals	16,527,638	9,878,717	7,239,521	4,728,114	16,138,764	10,308,385	7,792,713	5,352,197

¹ Included in "Totals".

TABLE 10. Shipments of Wool Cloth, Worsted Cloth and Wool Blankets in All Industries, 1956 - 65

Year	Woollen cloth all wool		Woollen cloth worsted		Wool blankets	
	sq. yds.	\$'000	sq. yds.	\$'000	sq. yds.	\$'000
1956	14,166,626	21,069	7,285,966	15,220	1,796,872	3,513
1957	12,051,663	18,257	7,055,975	15,652	1,792,979	3,149
1958	9,068,471	13,711	6,565,912	13,004	1,144,283	2,189
1959	11,907,454	15,232	9,537,153	17,663	1,086,215 ¹	2,213
1960	10,637,656	13,447	9,128,666	18,009	689,485	1,698
1961 ¹	8,341,295	11,536	10,897,303	19,467	No.	
1962	10,331,785	11,941	11,569,623	22,708	243,425	1,675
1963	11,042,204	12,949	13,505,963	27,562	229,126	1,659
1964	10,909,532	12,489	12,187,909	25,943	506,676	2,546
1965 ²	7,837,195	9,818	14,893,882	28,760	313,639	1,881
					314,133	2,120

¹ Beginning in 1961, blanket shipments were reported by number only and not by square yardage.

TABLE 11. Mechanical Equipment in Wool Mills, 1965

Description	Wool yarn	Wool cloth
	number	
Sets of cards:		
Rag pickers	2	18
Garnets	—	6
Shoddy	—	8
Worsted	3	7
Woollen tape condenser	15	172
Woollen-ring doffer	7	19
Cotton	—	—
Width of cards:		
40 inches and under	2	19
41 " to 49 inches	9	26
50 " " 59 "	2	—
60 "	12	156
Over 60 inches	2	29
Spindles:		
Mule spinning:		
Woollen	864	10,613
Worsted—Oil	1,304	—
Other	—	—
Cotton	—	—
Ring spinning:		
Woollen	3,036	27,604
Worsted—Oil	19,648	25,876
Other	8,304	10,744
Cotton	—	—
Cap spinning:		
Woollen	—	—
Worsted—Oil	6,880	5,720
Other	—	—
Cotton	—	—
Flyer spinning:		
Woollen	—	24
Worsted—Oil	4,848	1,000
Other	—	132
Cotton	—	—
Number of frames:		
Woollen	21	951
Worsted—Oil	137	156
Other	27	46
Cotton	—	—
Doubling and twisting spindles	14,312	18,794
Looms:		
Flat, manual, 4x4:		
Up to 50 inches reed space	—	—
51 inches to 70 inches reed space	—	—
71 " " 83 " " " "	—	78
84 " " 95 " " " "	—	72
96 " and over reed space	—	—
Flat, manual, other:		
Up to 50 inches reed space	—	—
51 inches to 70 inches reed space	—	3
71 " " 83 " " " "	—	4
84 " " 95 " " " "	—	3
96 " and over reed space	—	48
Flat, automatic, 4x1:		
Up to 50 inches reed space	—	—
51 inches to 70 inches reed space	—	—
71 " " 83 " " " "	—	538
84 " " 95 " " " "	—	456
84 " and over reed space	—	74
Flat, automatic, other:		
Up to 50 inches reed space	—	—
51 inches to 70 inches reed space	—	100
71 " " 83 " " " "	—	151
84 " " 95 " " " "	—	123
96 " and over reed space	—	13
Flat, hand:		
Up to 50 inches reed space	—	—
51 inches to 70 inches reed space	—	—
71 " " 83 " " " "	—	8
84 " " 95 " " " "	—	71
96 " and over reed space	—	—
Wool combs—Noble	3	12
Wool combs—Other	—	—
Scouring machines	3	14
Raw stock carbonizing machines	—	1

SECTION 2. WOOL YARN MILLS, 1965

In terms of both the revised Standard Industrial Classification and the New Establishment Concept, this industry is defined as comprising those "Establishments primarily engaged in spinning and winding woollen yarn for sale as such".

In this section of the report, the approach outlined in the preface to the main section has been maintained in that the materials used by the industry and the shipments of goods of own manufacture have been shown in minimum detail only in order to present the more important group information in Section 1.

A list of the establishments classified to this industry in the 1965 survey will be found at the end of this section of the report.

TABLE 1. Principal Statistics, 1961-65

Year and province	Estab- lish- ments	Manufacturing activity							Total activity				
		Production and related workers			Cost of fuel and elec- tricity	Cost of materials and supplies	Value of shipments of goods of own manu- facture	Value added	Working owners and partners		Employees		Value added
		Number	Man- hours paid	Wages					Number	With- drawals	Number	Salaries and wages	
	No.		'000			\$'000				\$'000		\$'000	
1961													
Totals	26	1,691	3,514	4,529	358	14,165	24,030	9,422	8	42	2,003	5,906	9,453
1962													
Totals	23	1,760	3,671	4,819	351	15,070	25,345	10,262	7	48	2,061	6,246	10,317
1963													
Totals	24	1,887	3,952	5,353	370	19,491	30,695	11,016	15	95	2,186	6,848	11,126
1964													
Newfoundland	-	-	-	-	-	-	-	-	-	-	-	-	-
Prince Edward Island	2	52	114	113	11	230	433	190	x	x	54	127	190
Nova Scotia	-												
New Brunswick	1												
Quebec	8	194	448	642	45	2,643	3,976	1,428	x	x	210	728	1,486
Ontario	13	1,644	3,305	4,652	320	16,825	26,425	9,636	x	x	1,938	6,173	9,694
Manitoba	-	-	-	-	-	-	-	-	-	-	-	-	-
Saskatchewan	-	-	-	-	-	-	-	-	-	-	-	-	-
Alberta	-	-	-	-	-	-	-	-	-	-	-	-	-
British Columbia	-	-	-	-	-	-	-	-	-	-	-	-	-
Yukon and Northwest Territories	-	-	-	-	-	-	-	-	-	-	-	-	-
Totals	24	1,890	3,867	5,407	375	19,698	30,835	11,254	15	94	2,202	7,028	11,370
1965													
Newfoundland	-	-	-	-	-	-	-	-	-	-	-	-	-
Prince Edward Island	2	x	x	x	x	x	x	x	x	x	x	x	x
Nova Scotia	-	-	-	-	-	-	-	-	-	-	-	-	-
New Brunswick	1	x	x	x	x	x	x	x	x	x	x	x	x
Quebec	8	194	467	670	49	2,239	3,743	1,415	x	x	212	768	1,471
Ontario	13	1,502	2,973	4,255	283	14,067	24,071	9,178	x	x	1,786	5,827	9,274
Manitoba	-	-	-	-	-	-	-	-	-	-	-	-	-
Saskatchewan	-	-	-	-	-	-	-	-	-	-	-	-	-
Alberta	1	-	-	-	x	x	x	x	x	x	-	-	x
British Columbia	-	-	-	-	-	-	-	-	-	-	-	-	-
Yukon and Northwest Territories	-	-	-	-	-	-	-	-	-	-	-	-	-
Totals	25	1,745	3,553	5,029	347	16,538	28,293	10,836	16	98	2,055	6,736	11,031

TABLE 2. Principal Statistics classified by Size Group based on Value of Shipments of Goods of Own Manufacture, 1964 and 1965

Size group	Estab- lish- ments	Manufacturing activity							Total activity				
		Production and related workers			Cost of fuel and elec- tricity	Cost of materials and supplies	Value of shipments of goods of own manu- facture	Value added	Working owners and partners		Employees		Value added
		Number	Man- hours paid	Wages					Number	With- drawals	Number	Salaries and wages	
	No.		'000			\$'000				\$'000		\$'000	
1964													
Under \$10,000	—	—	—	—	—	—	—	—	—	—	—	—	—
\$ 10,000 to \$ 24,999	6	43	94	106	14	119	340	212	6	29	46	113	234
25,000 " 49,999													
50,000 " 99,999													
100,000 " 199,999													
200,000 " 499,999	7	186	366	405	37	1,302	1,893	693	3	15	204	498	729
500,000 " 999,999													
1,000,000 " 4,999,999													
5,000,000 and over													
Head offices, sales offices and auxiliary units	3	140	331	496	22	1,416	2,255	868	6	51	148	553	866
	5	377	802	1,224	99	7,881	10,767	2,825	—	—	454	1,631	2,785
	3	1,144	2,274	3,175	203	8,980	15,580	6,657	—	—	1,350	4,233	6,756
Totals	24	1,890	3,867	5,407	375	19,698	30,835	11,254	15	94	2,202	7,028	11,370
1965													
Under \$10,000	—	—	—	—	—	—	—	—	—	—	—	—	—
\$ 10,000 to \$ 24,999	4	12	28	36	3	33	123	85	4	13	14	40	87
25,000 " 49,999													
50,000 " 99,999													
100,000 " 199,999													
200,000 " 499,999	5	54	125	142	25	222	483	234	6	34	67	184	332
500,000 " 999,999													
1,000,000 " 4,999,999													
5,000,000 and over													
Head offices, sales offices and auxiliary units	6	173	344	399	51	1,048	2,019	636	—	—	197	502	669
	3	140	328	499	24	1,151	2,051	875	6	51	148	570	874
	7	1,366	2,728	3,953	245	14,083	23,617	9,007	—	—	1,629	5,440	9,069
Totals	25	1,745	3,553	5,029	347	16,538	28,293	10,836	16	98	2,055	6,736	11,031

TABLE 3. Principal Statistics classified by Size Group based on Manufacturing Value Added, 1964 and 1965

Size group	Estab- lish- ments	Manufacturing activity							Total activity				
		Production and related workers			Cost of fuel and elec- tricity	Cost of materials and supplies	Value of shipments of goods of own manu- facture	Value added	Working owners and partners		Employees		Value added
		Number	Man- hours paid	Wages					Number	With- drawals	Number	Salaries and wages	
	No.		'000			\$'000				\$'000		\$'000	
1964													
Under \$10,000	—	—	—	—	—	—	—	—	—	—	—	—	—
\$ 10,000 to \$ 24,999	7	67	140	160	24	456	706	243	5	22	77	195	303
25,000 " 49,999													
50,000 " 99,999													
100,000 " 199,999													
200,000 " 499,999	3	59	130	168	14	1,349	1,683	414	4	22	59	135	199
500,000 " 999,999													
1,000,000 " 4,999,999													
5,000,000 and over													
Head offices, sales offices and auxiliary units	5	292	618	906	44	4,300	5,908	1,706	6	51	316	1,044	1,704
	3	271	584	877	80	4,385	6,520	2,035	—	—	336	1,221	1,996
	3	1,144	2,274	3,175	203	8,980	15,580	6,657	—	—	1,350	4,233	6,756
Totals	24	1,890	3,867	5,407	375	19,698	30,835	11,254	15	94	2,202	7,028	11,370
1965													
Under \$10,000	—	—	—	—	—	—	—	—	—	—	—	—	—
\$ 10,000 to \$ 24,999	3	4	10	13	2	29	79	48	3	8	6	17	48
25,000 " 49,999													
50,000 " 99,999													
100,000 " 199,999													
200,000 " 499,999	6	119	264	298	36	1,383	2,150	663	3	15	137	379	703
500,000 " 999,999													
1,000,000 " 4,999,999													
5,000,000 and over													
Head offices, sales offices and auxiliary units	4	262	551	801	39	2,222	3,517	1,279	6	51	288	941	1,312
	3	225	481	750	38	3,945	6,422	2,213	—	—	272	1,071	2,160
	3	1,079	2,122	2,999	195	8,753	15,496	6,475	—	—	1,287	4,127	6,590
Totals	25	1,745	3,553	5,029	347	16,538	28,293	10,836	16	98	2,055	6,736	11,031

TABLE 4. Principal Statistics classified by Size Group based on Total Value Added, 1964 and 1965

Size group	Estab- lish- ments	Manufacturing activity							Total activity				
		Production and related workers			Cost of fuel and elec- tricity	Cost of materials and supplies	Value of shipments of goods of own manu- facture	Value added	Working owners and partners		Employees		Value added
		Number	Man- hours paid	Wages					Number	With- drawals	Number	Salaries and wages	
	No.		'000			'000				'000		'000	
1964													
Under \$10,000	—	—	—	—	—	—	—	—	—	—	—	—	—
\$ 10,000 to \$ 24,999	5	43	94	109	12	337	505	163	5	22	48	125	164
25,000 " 49,999	5	81	166	171	22	346	639	279	4	22	88	205	338
50,000 " 99,999	3	59	130	168	14	1,349	1,683	414	—	—	64	199	412
100,000 " 199,999	5	292	618	906	44	4,300	5,908	1,706	6	51	316	1,044	1,704
200,000 " 499,999	3	271	584	877	79	4,385	6,520	2,035	—	—	336	1,221	1,996
500,000 " 999,999	3	1,144	2,274	3,175	203	8,980	15,580	6,657	—	—	1,350	4,233	6,756
1,000,000 " 4,999,999	—	—	—	—	—	—	—	—	—	—	—	—	—
5,000,000 and over	—	—	—	—	—	—	—	—	—	—	—	—	—
Head offices, sales offices and auxiliary units .....	...	...	...	...	...	...	...	...	...	...	...	...	...
Totals	24	1,890	3,867	5,407	375	19,698	30,835	11,254	15	94	2,202	7,028	11,370
1965													
Under \$10,000	3	4	10	13	2	29	79	46	3	8	6	17	48
\$ 10,000 to \$ 24,999	7	71	155	204	41	364	889	220	4	25	83	247	276
25,000 " 49,999	5	104	234	262	32	1,226	1,889	604	3	15	119	333	644
50,000 " 99,999	4	262	551	801	39	2,222	3,517	1,279	6	51	288	941	1,312
100,000 " 199,999	3	225	481	750	38	3,945	6,422	2,213	—	—	272	1,071	2,160
200,000 " 499,999	3	1,079	2,122	2,999	195	8,753	15,496	6,475	—	—	1,287	4,127	6,590
500,000 " 999,999	—	—	—	—	—	—	—	—	—	—	—	—	—
1,000,000 " 4,999,999	—	—	—	—	—	—	—	—	—	—	—	—	—
5,000,000 and over .....	...	...	...	...	...	...	...	...	...	...	...	...	...
Head offices, sales offices and auxiliary units .....	...	...	...	...	...	...	...	...	...	...	...	...	...
Totals	25	1,745	3,553	5,029	347	16,538	28,293	10,836	16	98	2,055	6,736	11,031

TABLE 5. Principal Statistics classified by Size Group based on Total Employed, 1964 and 1965

Size group	Estab- lish- ments	Manufacturing activity							Total activity				
		Production and related workers			Cost of fuel and elec- tricity	Cost of materials and supplies	Value of shipments of goods of own manu- facture	Value added	Working owners and partners		Employees		Value added
		Number	Man- hours paid	Wages					Number	With- drawals	Number	Salaries and wages	
	No.		'000			'000				'000		'000	
1964													
Under 5 employed	6	43	94	106	14	119	340	212	6	29	46	113	233
5 - 14 employed	9	217	451	570	46	3,804	5,048	1,347	3	15	238	690	1,381
15 - 49 "	4	255	546	794	34	3,671	5,143	1,613	6	51	309	1,041	1,579
50 - 99 "	5	1,375	2,777	3,937	282	12,104	20,304	8,082	—	—	1,609	5,184	8,176
100-199 "	—	—	—	—	—	—	—	—	—	—	—	—	—
200-499 "	—	—	—	—	—	—	—	—	—	—	—	—	—
500 employed and over	—	—	—	—	—	—	—	—	—	—	—	—	—
Head offices, sales offices and auxiliary units .....	...	...	...	...	...	...	...	...	...	...	...	...	...
Totals	24	1,890	3,867	5,407	375	19,698	30,835	11,254	15	94	2,202	7,028	11,370
1965													
Under 5 employed	3	4	10	13	2	29	79	46	3	8	6	17	48
5 - 14 employed	5	46	100	136	32	136	503	112	4	25	50	149	126
15 - 49 "	9	208	447	581	53	3,218	4,825	1,490	3	15	238	735	1,572
50 - 99 "	4	258	561	819	36	2,664	4,553	1,765	6	51	314	1,087	1,751
100-199 "	4	1,229	2,434	3,480	225	10,491	18,332	7,422	—	—	1,447	4,748	7,533
200-499 "	—	—	—	—	—	—	—	—	—	—	—	—	—
500 employed and over	—	—	—	—	—	—	—	—	—	—	—	—	—
Head offices, sales offices and auxiliary units .....	...	...	...	...	...	...	...	...	...	...	...	...	...
Totals	25	1,745	3,553	5,029	347	16,538	28,293	10,836	16	98	2,055	6,736	11,031

TABLE 6. Principal Statistics classified by Type of Organization, 1964 and 1965

Type of organization	Establishments	Manufacturing activity							Total activity				
		Production and related workers			Cost of fuel and electricity	Cost of materials and supplies	Value of shipments of goods of own manufacture	Value added	Working owners and partners		Employees		Value added
		Number	Man-hours paid	Wages					Number	Withdrawals	Number	Salaries and wages	
	No.		'000			'000				\$'000		\$'000	
1964													
Individual ownerships	4	25	55	62	5	49	184	132	4	19	27	66	133
Partnerships	3	109	279	408	20	127	721	602	11	75	113	438	602
Incorporated companies	17	1,756	3,533	4,937	350	19,521	29,930	10,520	...	...	2,062	6,525	10,635
Co-operatives .....	—	—	—	—	—	—	—	—	...	...	—	—	—
Head offices, sales offices and auxiliary units .....	...	...	...	...	...	...	...	...	...	...	...	...	...
Totals	24	1,890	3,867	5,407	375	19,698	30,835	11,254	15	94	2,202	7,028	11,370
1965													
Individual ownerships	8	129	325	458	29	177	932	719	16	98	141	515	762
Partnerships													
Incorporated companies	17	1,616	3,228	4,571	318	16,361	27,360	10,117	...	...	1,914	6,221	10,269
Co-operatives .....	—	—	—	—	—	—	—	—	...	...	—	—	—
Head offices, sales offices and auxiliary units .....	...	...	...	...	...	...	...	...	...	...	...	...	...
Totals	25	1,745	3,553	5,029	347	16,538	28,293	10,836	16	98	2,055	6,736	11,031

TABLE 7. Calculation of Output, Input and Value Added, 1964 and 1965

	Manufacturing activity		Non-manufacturing activities		Total activity	
	1964	1965	1964	1965	1964	1965
\$'000						
Output						
1. Shipments and other revenue	30,835	28,293	393	511	31,228	28,804
Inventories—Goods of own manufacture:						
Add closing—Goods in process	1,461	1,322	...	...	1,461	1,322
Finished goods	3,185	2,752	...	...	3,185	2,752
Deduct opening—Goods in process	1,538	1,472	...	...	1,538	1,472
Finished goods	2,615	3,173	...	...	2,615	3,173
2. Net inventory change	493	(571)	...	...	493	(571)
3. Gross output (1 + 2)	31,328	27,722	393	511	31,721	28,233
Input						
4. Purchases of goods not of own manufacture .....	...	...	234	230	234	230
Inventories—Goods not of own manufacture:						
Add opening .....	...	...	94	120	94	120
Deduct closing .....	...	...	110	79	110	79
5. Cost of goods sold (not of own manufacture) .....	...	...	218	271	218	271
6. Materials, supplies, etc.	19,698	16,538	59	46	19,757	16,584
7. Fuel and electricity	375	347	...	...	375	347
8. Gross input (5 + 6 + 7)	20,073	16,885	277	317	20,350	17,202
Value added (3 - 8)	11,254	10,836	116	194	11,370	11,031

TABLE 8. Employment and Payroll, 1964 and 1965

Year and province	Employees										Salaries and wages				
	Production and related workers				Adminis- trative and office		Sales and distribution		Total		Production and related workers		Adminis- trative and office	Sales and distrib- ution	Total
	Manufacturing		Other								Manufacturing	Other			
	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female					
	number										\$'000				
1964															
Newfoundland	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Prince Edward Island															
Nova Scotia	27	25	-	-	2	-	-	-	29	25	113	-	14	-	127
New Brunswick															
Quebec	142	52	-	-	15	1	-	-	157	53	642	-	86	-	728
Ontario	532	1,112	-	-	117	123	41	13	690	1,248	4,652	-	1,175	346	6,173
Manitoba	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Saskatchewan	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Alberta	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
British Columbia	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Yukon and Northwest Terri- tories	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Totals	701	1,189	-	-	134	124	41	13	876	1,326	5,407	-	1,275	346	7,028
1965															
Newfoundland	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Prince Edward Island	x	x	-	-	x	x	-	-	x	x	x	-	x	-	x
Nova Scotia	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
New Brunswick	x	x	-	-	x	x	-	-	x	x	x	-	x	-	x
Quebec	136	58	-	-	16	2	-	-	152	60	670	-	99	-	768
Ontario	484	1,018	-	-	117	113	37	17	638	1,148	4,255	-	1,215	357	5,827
Manitoba	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Saskatchewan	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Alberta	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
British Columbia	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Yukon and Northwest Terri- tories	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Totals	646	1,099	-	-	138	118	37	17	821	1,234	5,029	-	1,350	357	6,736

TABLE 9. Production and Related Workers, - Manufacturing Activity, 1964 and 1965

Month	1964		1965	
	Male	Female	Male	Female
	number			
Establishments reporting monthly detail (large establishments only):				
January	719	1,278	664	951
February	720	1,290	653	1,020
March	692	1,259	644	1,033
April	695	1,215	655	1,073
May	706	1,214	644	1,124
June	735	1,264	645	1,149
July	727	1,248	646	1,104
August	708	1,224	652	1,130
September	688	1,132	634	1,166
October	672	1,085	631	1,170
November	672	1,034	633	1,156
December	662	1,033	612	1,112
Averages	701	1,189	646	1,099
Establishments reporting annual averages (small establishments only) .....	...	...	...	...
Average for all establishments	701	1,189	646	1,099

TABLE 10. Inventories, 1965

Province	Manufacturing				Non-manufacturing	Total inventories
	Materials, supplies, etc.	Goods in process	Finished goods of own manufacture	Total	Products or materials purchased for resale	
book value \$'000						
Opening:						
Newfoundland	—	—	—	—	—	—
Prince Edward Island	x	—	x	x	—	x
Nova Scotia	—	—	—	—	—	—
New Brunswick	x	—	x	x	—	x
Quebec	457	81	284	822	—	822
Ontario	2,206	1,391	2,810	6,407	120	6,526
Manitoba	—	—	—	—	—	—
Saskatchewan	—	—	—	—	—	—
Alberta	x	—	x	x	—	x
British Columbia	—	—	—	—	—	—
Yukon and Northwest Territories	—	—	—	—	—	—
Totals	2,742	1,472	3,173	7,388	120	7,507
Closing:						
Newfoundland	—	—	—	—	—	—
Prince Edward Island	x	—	x	x	—	x
Nova Scotia	—	—	—	—	—	—
New Brunswick	x	—	x	x	—	x
Quebec	482	91	234	807	—	807
Ontario	2,335	1,231	2,427	5,993	79	6,072
Manitoba	—	—	—	—	—	—
Saskatchewan	—	—	—	—	—	—
Alberta	x	—	x	x	—	x
British Columbia	—	—	—	—	—	—
Yukon and Northwest Territories	—	—	—	—	—	—
Totals	2,908	1,322	2,752	6,982	79	7,061

TABLE 11. Purchased Fuel and Electricity Used, 1964 and 1965

Description	1964		1965	
	Quantity	Cost	Quantity	Cost
		\$'000		\$'000
1. Large establishments reporting commodity detail:				
Bituminous coal:				
(a) From Canadian mines	ton	—	—	—
(b) Imported	"	9,240	3,906	58
Sub-bituminous coal (from Alberta mines only)	"	—	—	—
Anthracite coal	"	—	—	—
Lignite coal	"	—	—	—
Coke	"	—	—	—
Gasoline (including gasoline used in cars and trucks)	Imp. gal.	17,927	13,115	5
Fuel oil including kerosene or coal oil	"	225,036	684,568	59
Wood	cord	—	—	—
Gas:				
(a) Liquefied petroleum gases	Imp. gal.	—	—	—
(b) Other manufactured gas	M cu. ft.	—	—	—
(c) Natural gas	"	—	1,550	1
Other fuel .....	...	...	...	...
Electricity purchased	kwh.	14,968,513	12,786,396	124
Steam purchased .....	...	66	...	68
2. Small establishments not reporting commodity detail:				
Estimate for fuel and electricity .....	...	26	...	32
3. All establishments:				
Total fuel and electricity used .....	...	375	...	347

TABLE 12. Materials and Supplies - Manufacturing Activity, 1964 and 1965

Description	1964		1965	
	Quantity	Cost	Quantity	Costs
	lbs.	\$'000	lbs.	\$'000
1. Materials used:				
Fibres:				
Cotton, raw	1,467	--	16,167	6
Man-made staple fibre, tow and tops	2,398,075	2,335	2,729,189	2,697
Wool:				
Canadian grown (clean)	149,534	127	96,811	71
Imported (clean)	4,074,807	4,082	3,420,579	3,291
Nails, wool - Merino (60's quality and finer)	--	--	25,943	40
Tops, wool	6,270,698	8,330	5,063,890	6,377
Other raw stocks (rags and clips, waste, etc.)	640,869	791	463,265	621
Yarns:				
Filament yarns, all types	86,767	225	71,384	187
Spun yarns, all types	573,719	1,151	442,536	886
All other materials and components used ¹ .....	...	1,004	...	1,021
2. Containers and other packaging materials and supplies used .....	...	551	...	456
3. Operating, maintenance and repair supplies used (excluding fuel) .....	...	580	...	517
4. Amount paid out to others for work done on materials owned by establishments .....	...	520	...	368
Totals .....	...	19,698	...	16,538

¹ No detailed information on materials used was collected from small establishments, the estimated costs for which are included here. These estimated costs were \$382,649 in 1964 and \$409,358 in 1965.

TABLE 13. Shipments of Goods of Own Manufacture, 1964 and 1965

Description	1964		1965	
	Quantity	Value	Quantity	Value
	lbs.	\$'000	lbs.	\$'000
1. Products:				
Yarns sold, all types	12,900,780	28,469	11,933,497	26,556
All other products .....	...	984	...	267
2. Amount received in payment for work done on materials and products owned by others .....	...	1,402	...	1,495
Less adjustment for value of sales taxes, excise duties and outward transportation charges which could not be deducted from individual commodity items described above .....	...	(21)	...	(25)
Total adjusted value of shipments and work done .....	...	30,835	...	28,293

List of Establishments classified to this Industry, 1965

(Does not include establishments classified to other industries, which as a secondary activity, manufacture products typical of this industry)

Name	Location
Prince Edward Island:	
Condon, Wm. & Sons	65 Queen St., Charlottetown
MacAusland, F. & Sons	Bloomfield
New Brunswick:	
Briggs & Little's Woollen Mill Ltd.	York Mills
Quebec:	
Duval Spinning Mills Reg'd.	St-Victor-de-Beauce
Filature Lemieux	St-Ephrem
Les Textiles du Grand Moulin Inc.	R.R. No. 2, St-Pascal
Marak Textile Mill & Products	2035 Desjardins St., Montreal
Service de Filature de laine Ltée	93, rue Duguay, Cap-de-la-Madeleine
Sinyor Spinners of Canada Ltd.	St-Placide
Toronto Carpet Mfg. Company Limited	230 Taché St., Joliette
Tre-Mont Worsted Mills Ltd.	5524 St. Patrick St., Montreal
Ontario:	
Alton Woollen Mills	Alton
Bancroft Woollen Mills	Bancroft
Brinton Carpets Ltd.	Cambridge St., Lindsay
Holdroyd Yarns Ltd.	97 Pelham Ave., Toronto
Lavoie, J. Textiles	Acton
Mohawk Mills Limited	Dom. Rd. at Kenilworth N., Hamilton
Newlands-Harding & Hand Knitting Div.	12 King St., Galt
Newlands-Harding Yarns Ltd.	Guelph
Parkspin Ltd.	49 Metcalfe St., St. Thomas
Patons & Baldwins (Canada) Ltd.	1001 Roselawn Ave., Toronto 19
Penmans Limited	80 Alice St., Waterford
Spinrite Yarns & Dyers Ltd.	320 Livingstone Ave., Listowel
York Knitting Mills Limited (York Yarns Division)	104 Crawford St., Toronto
Alberta:	
Wool Carding	Magrath

SECTION 3. WOOL CLOTH MILLS, 1965

In terms of both the revised Standard Industrial Classification and the New Establishment Concept, this industry is defined as comprising those "Establishments primarily engaged in weaving woollen and worsted fabrics such as suitings, coatings, dress goods and flannel; blankets and blanketings; and other woollen fabrics. Included in this industry are establishments primarily engaged in weaving papermakers' felts of all materials".

In this section of the report, the approach outlined in the preface to the main section has been maintained in that the materials used by the industry and the shipments of goods of own manufacture have been shown in minimum detail only in order to present the more important group information in Section 1.

A list of the establishments classified to this industry in the 1965 survey will be found at the end of this section of the report.

TABLE 1. Principal Statistics, 1961-65

Year and province	Establishments	Manufacturing activity							Total activity				
		Production and related workers			Cost of fuel and electricity	Cost of materials and supplies	Value of shipments of goods of own manufacture	Value added	Working owners and partners		Employees		Value added
		Number	Man-hours paid	Wages					Number	Withdrawals	Number	Salaries and wages	
	No.		'000			\$'000				\$'000		\$'000	
1961													
Totals	56	5,415	12,295	16,120	1,354	37,168	70,202	33,166	10	35	6,438	20,979	33,169
1962													
Totals	53	5,762	12,901	17,365	1,449	40,914	75,324	34,773	6	26	6,774	22,403	34,803
1963													
Totals	52	5,817	12,942	18,156	1,475	45,982	85,970	39,334	6	25	6,776	23,484	39,496
1964													
Newfoundland	—	—	—	—	—	—	—	—	—	—	—	—	—
Prince Edward Island	—	—	—	—	—	—	—	—	—	—	—	—	—
Nova Scotia	—	—	—	—	—	—	—	—	—	—	—	—	—
New Brunswick	5	x	x	x	x	x	x	x	x	x	x	x	x
Quebec	27	3,237	7,720	11,053	854	31,058	55,891	25,227	x	x	3,768	14,296	25,386
Ontario	17	2,620	5,675	8,454	634	18,723	35,710	16,961	—	—	2,956	10,404	16,951
Manitoba	2	x	x	x	x	x	x	x	x	x	x	x	x
Saskatchewan	—	—	—	—	—	—	—	—	—	—	—	—	—
Alberta	—	—	—	—	—	—	—	—	—	—	—	—	—
British Columbia	3	x	x	x	x	x	x	x	—	—	x	x	x
Yukon and Northwest Territories	—	—	—	—	—	—	—	—	—	—	—	—	—
Totals	54	6,134	13,950	20,316	1,570	51,715	95,267	43,837	3	7	7,086	25,892	43,993
1965													
Newfoundland	—	—	—	—	—	—	—	—	—	—	—	—	—
Prince Edward Island	—	—	—	—	—	—	—	—	—	—	—	—	—
Nova Scotia	—	—	—	—	—	—	—	—	—	—	—	—	—
New Brunswick	5	x	x	x	x	x	x	x	x	x	x	x	x
Quebec	27	3,276	7,946	11,871	924	33,321	62,055	27,518	x	x	3,841	15,446	27,738
Ontario	17	2,550	5,502	8,492	569	19,156	37,246	18,375	—	—	2,893	10,565	18,390
Manitoba	1	x	x	x	x	x	x	x	x	x	x	x	x
Saskatchewan	—	—	—	—	—	—	—	—	—	—	—	—	—
Alberta	—	—	—	—	—	—	—	—	—	—	—	—	—
British Columbia	3	x	x	x	x	x	x	x	—	—	x	x	x
Yukon and Northwest Territories	—	—	—	—	—	—	—	—	—	—	—	—	—
Totals	53	6,113	14,045	21,275	1,588	54,448	103,180	47,856	4	11	7,093	27,330	48,092

TABLE 2. Principal Statistics classified by Size Group based on Value of Shipments of Goods of Own Manufacture, 1964 and 1965

Size group	Estab- lish- ments	Manufacturing activity							Total activity				
		Production and related workers			Cost of fuel and elec- tricity	Cost of materials and supplies	Value of shipments of goods of own manu- facture	Value added	Working owners and partners		Employees		Value added
		Number	Man- hours paid	Wages					Number	With- drawals	Number	Salaries and wages	
	No.		'000			\$'000				\$'000		\$'000	
1964													
Under \$10,000	—	—	—	—	—	—	—	—	—	—	—	—	—
\$ 10,000 to \$ 24,999	4	7	14	14	—	26	78	52	3	7	8	16	52
25,000 " 49,999	4	23	47	53	7	106	213	101	—	—	35	99	109
50,000 " 99,999	6	75	177	223	24	362	862	476	—	—	119	353	507
100,000 " 199,999	8	168	406	472	61	1,563	2,687	1,143	—	—	203	643	1,144
200,000 " 499,999	8	465	1,110	1,235	118	2,782	5,480	2,696	—	—	533	1,628	2,820
500,000 " 999,999	18	3,163	6,870	10,100	791	23,165	42,680	18,997	—	—	3,573	12,360	18,944
1,000,000 " 4,999,999	6	2,233	5,327	8,219	568	23,710	43,267	20,372	—	—	2,562	10,459	20,430
5,000,000 and over	—	—	—	—	—	—	—	—	—	—	—	—	—
Head offices, sales offices and auxiliary units	...	...	...	...	...	...	...	...	...	...	53	335	(12)
Totals	54	6,134	13,950	20,316	1,570	51,715	95,267	43,837	3	7	7,086	25,892	43,993
1965													
Under \$10,000	—	—	—	—	—	—	—	—	—	—	—	—	—
\$ 10,000 to \$ 24,999	3	2	3	3	2	8	27	17	2	4	3	6	22
25,000 " 49,999	3	12	24	29	3	63	149	82	2	7	14	36	82
50,000 " 99,999	4	46	105	133	18	230	614	375	—	—	84	251	375
100,000 " 199,999	8	200	426	584	49	1,138	2,304	1,163	—	—	234	766	1,161
200,000 " 499,999	9	405	947	1,166	116	3,328	6,186	2,847	—	—	474	1,623	2,989
500,000 " 999,999	20	3,145	6,939	10,393	801	24,534	47,082	22,271	—	—	3,556	12,732	22,235
1,000,000 " 4,999,999	6	2,303	5,600	8,966	599	25,147	46,818	21,101	—	—	2,667	11,599	21,237
5,000,000 and over	—	—	—	—	—	—	—	—	—	—	—	—	—
Head offices, sales offices and auxiliary units	...	...	...	...	...	...	...	...	...	...	61	316	(8)
Totals	53	6,113	14,045	21,275	1,588	54,448	103,180	47,856	4	11	7,093	27,330	48,092

TABLE 3. Principal Statistics classified by Size Group based on Manufacturing Value Added, 1964 and 1965

Size group	Estab- lish- ments	Manufacturing activity							Total activity				
		Production and related workers			Cost of fuel and elec- tricity	Cost of materials and supplies	Value of shipments of goods of own manu- facture	Value added	Working owners and partners		Employees		Value added
		Number	Man- hours paid	Wages					Number	With- drawals	Number	Salaries and wages	
	No.		'000			\$'000				\$'000		\$'000	
1964													
Under \$10,000	—	—	—	—	—	—	—	—	—	—	—	—	—
\$ 10,000 to \$ 24,999	6	15	32	35	3	75	176	89	3	7	20	48	98
25,000 " 49,999	3	31	58	68	16	140	257	113	—	—	43	120	140
50,000 " 99,999	7	59	134	182	16	1,025	1,519	549	—	—	108	313	551
100,000 " 199,999	4	101	252	290	34	396	947	502	—	—	115	343	502
200,000 " 499,999	11	619	1,485	1,616	177	4,731	8,284	3,535	—	—	720	2,182	3,659
500,000 " 999,999	10	1,583	3,344	4,601	278	11,092	19,072	7,980	—	—	1,726	5,437	7,966
1,000,000 " 4,999,999	13	3,726	8,645	13,523	1,047	34,254	65,011	31,068	—	—	4,301	17,115	31,090
5,000,000 and over	—	—	—	—	—	—	—	—	—	—	—	—	—
Head offices, sales offices and auxiliary units	...	...	...	...	...	...	...	...	...	...	53	335	(12)
Totals	54	6,134	13,950	20,316	1,570	51,715	95,267	43,837	3	7	7,086	25,892	43,993
1965													
Under \$10,000	—	—	—	—	—	—	—	—	—	—	—	—	—
\$ 10,000 to \$ 24,999	3	2	3	3	2	8	27	17	2	4	3	6	22
25,000 " 49,999	3	12	24	29	3	63	149	82	2	7	14	36	82
50,000 " 99,999	3	36	76	101	10	315	534	216	—	—	47	147	216
100,000 " 199,999	8	125	272	381	28	1,379	2,377	999	—	—	180	594	1,015
200,000 " 499,999	9	440	1,002	1,239	141	2,783	5,380	2,610	—	—	506	1,650	2,736
500,000 " 999,999	12	1,465	3,324	4,366	379	11,794	20,700	8,512	—	—	1,621	5,258	8,472
1,000,000 " 4,999,999	15	4,033	9,344	15,156	1,026	38,107	74,012	35,420	—	—	4,661	19,322	35,557
5,000,000 and over	—	—	—	—	—	—	—	—	—	—	—	—	—
Head offices, sales offices and auxiliary units	...	...	...	...	...	...	...	...	...	...	61	316	(8)
Totals	53	6,113	14,045	21,275	1,588	54,448	103,180	47,856	4	11	7,093	27,330	48,092

TABLE 4. Principal Statistics classified by Size Group based on Total Value Added, 1964 and 1965

Size group	Estab- lish- ments	Manufacturing activity							Total activity				
		Production and related workers			Cost of fuel and elec- tricity	Cost of materials and supplies	Value of shipments of goods of own manu- facture	Value added	Working owners and partners		Employees		Value added
		Number	Man- hours paid	Wages					Number	With- drawals	Number	Salaries and wages	
	No.		'000			\$'000				\$'000		\$'000	
1964													
Under \$10,000	5	9	18	17	1	45	116	70	3	7	12	24	70
\$ 10,000 to \$ 24,999	3	21	43	50	7	86	174	82	—	—	31	91	90
25,000 " 49,999	8	75	163	219	27	1,109	1,662	599	—	—	128	366	628
50,000 " 99,999	4	101	252	290	34	396	947	502	—	—	115	343	502
100,000 " 199,999	11	619	1,485	1,616	177	4,731	8,284	3,535	—	—	720	2,182	3,659
200,000 " 499,999	10	1,583	3,344	4,601	278	11,092	19,072	7,980	—	—	1,726	5,437	7,966
500,000 " 999,999	13	3,726	8,645	13,523	1,047	34,254	65,011	31,068	—	—	4,301	17,115	31,090
1,000,000 " 4,999,999	—	—	—	—	—	—	—	—	—	—	—	—	—
5,000,000 and over	—	—	—	—	—	—	—	—	—	—	—	—	—
Head offices, sales offices and auxiliary units .....	...	...	...	...	...	...	...	...	...	...	53	335	(12)
Totals	54	6,134	13,950	20,316	1,570	51,715	93,267	43,837	3	7	7,086	25,892	43,993
1965													
Under \$10,000	3	2	3	3	2	8	27	17	x	x	3	6	22
\$ 10,000 to \$ 24,999	3	12	24	29	3	63	149	82	x	x	14	36	82
25,000 " 49,999	3	36	76	101	10	315	534	216	—	—	47	147	216
50,000 " 99,999	8	125	272	381	28	1,379	2,377	999	—	—	180	594	1,015
100,000 " 199,999	9	440	1,002	1,239	141	2,783	5,380	2,610	—	—	506	1,650	2,736
200,000 " 499,999	12	1,465	3,324	4,366	379	11,794	20,700	8,512	—	—	1,621	5,258	8,472
500,000 " 999,999	15	4,033	9,344	15,156	1,026	38,107	74,012	35,420	—	—	4,661	19,322	35,557
1,000,000 " 4,999,999	—	—	—	—	—	—	—	—	—	—	—	—	—
5,000,000 and over	—	—	—	—	—	—	—	—	—	—	—	—	—
Head offices, sales offices and auxiliary units .....	...	...	...	...	...	...	...	...	...	...	61	316	(8)
Totals	53	6,113	14,045	21,275	1,588	54,448	103,180	47,856	4	11	7,093	27,330	48,092

TABLE 5. Principal Statistics classified by Size Group based on Total Employed, 1964 and 1965

Size group	Estab- lish- ments	Manufacturing activity							Total activity				
		Production and related workers			Cost of fuel and elec- tricity	Cost of materials and supplies	Value of shipments of goods of own manu- facture	Value added	Working owners and partners		Employees		Value added
		Number	Man- hours paid	Wages					Number	With- drawals	Number	Salaries and wages	
	No.		'000			\$'000				\$'000		\$'000	
1964													
Under 5 employed	5	9	18	17	1	46	116	70	3	7	12	24	70
5- 14 employed	8	63	143	191	13	971	1,313	473	—	—	82	275	478
15- 49 "	10	229	548	642	83	1,494	3,124	1,554	—	—	306	948	1,693
50- 99 "	10	643	1,515	1,722	193	5,183	9,376	4,085	—	—	748	2,329	4,099
100-199 "	10	1,532	3,388	4,991	377	11,530	23,611	12,291	—	—	1,712	6,173	12,377
200-499 "	11	3,658	8,339	12,753	904	32,492	57,726	25,363	—	—	4,173	15,808	25,288
500 employed and over	—	—	—	—	—	—	—	—	—	—	—	—	—
Head offices, sales offices and auxiliary units .....	...	...	...	...	...	...	...	...	...	...	53	335	(12)
Totals	54	6,134	13,950	20,316	1,570	51,715	93,267	43,837	3	7	7,086	25,892	43,993
1965													
Under 5 employed	5	6	12	12	3	42	103	56	4	11	8	17	61
5- 14 employed	4	31	68	92	4	812	1,149	317	—	—	43	149	334
15- 49 "	11	242	528	681	66	1,763	3,403	1,709	—	—	314	1,001	1,816
50- 99 "	11	668	1,562	2,030	236	5,871	11,087	5,097	—	—	769	2,706	5,114
100-199 "	10	1,514	3,415	5,116	349	11,147	22,318	11,006	—	—	1,667	6,038	11,027
200-499 "	12	3,652	8,460	13,343	929	34,813	65,119	29,671	—	—	4,231	17,102	29,747
500 employed and over	—	—	—	—	—	—	—	—	—	—	—	—	—
Head offices, sales offices and auxiliary units .....	...	...	...	...	...	...	...	...	...	...	61	316	(8)
Totals	53	6,113	14,045	21,275	1,588	54,448	103,180	47,856	4	11	7,093	27,330	48,092

TABLE 6. Principal Statistics classified by Type of Organization, 1964 and 1965

Type of organization	Establishments	Manufacturing activity							Total activity				
		Production and related workers			Cost of fuel and electricity	Cost of materials and supplies	Value of shipments of goods of own manufacture	Value added	Working owners and partners		Employees		Value added
		Number	Man-hours paid	Wages					Number	Withdrawals	Number	Salaries and wages	
	No.		'000			\$'000				\$'000		\$'000	
1964													
Individual ownerships	4	7	14	14	1	42	102	61	3	7	9	18	61
Partnerships	—	—	—	—	—	—	—	—	—	—	—	—	—
Incorporated companies	50	6,127	13,936	20,302	1,569	51,673	95,164	43,776	...	...	7,024	25,539	43,945
Co-operatives .....	—	—	—	—	—	—	—	—	...	...	—	—	—
Head offices, sales offices and auxiliary units .....	...	...	...	...	...	...	...	...	...	...	53	335	(12)
Totals	54	6,134	13,950	20,316	1,570	51,715	95,267	43,837	3	7	7,086	25,892	43,993
1965													
Individual ownerships	4	4	9	9	2	39	91	48	4	11	5	11	53
Partnerships	—	—	—	—	—	—	—	—	—	—	—	—	—
Incorporated companies	49	6,109	14,037	21,265	1,586	54,410	103,089	47,808	...	...	7,027	27,002	48,047
Co-operatives .....	—	—	—	—	—	—	—	—	...	...	—	—	—
Head offices, sales offices and auxiliary units .....	...	...	...	...	...	...	...	...	...	...	61	316	(8)
Totals	53	6,113	14,045	21,275	1,588	54,448	103,180	47,856	4	11	7,093	27,330	48,092

TABLE 7. Calculation of Output, Input and Value Added, 1964 and 1965

	Manufacturing activity		Non-manufacturing activities		Total activity	
	1964	1965	1964	1965	1964	1965
	\$'000					
Output						
1. Shipments and other revenue	95,267	103,180	2,036	2,557	97,303	105,737
Inventories—Goods of own manufacture:						
Add closing—Goods in process	10,441	10,708	...	...	10,441	10,708
Finished goods	5,827	5,943	...	...	5,827	5,943
Deduct opening—Goods in process	9,167	10,194	...	...	9,167	10,194
Finished goods	5,245	5,745	...	...	5,245	5,745
2. Net inventory change	1,856	712	...	...	1,856	712
3. Gross output (1 + 2)	97,123	103,892	2,036	2,557	99,159	106,449
Input						
4. Purchases of goods not of own manufacture .....	...	...	1,594	2,130	1,594	2,130
Inventories—Goods not of own manufacture:						
Add opening .....	...	...	193	240	193	240
Deduct closing .....	...	...	213	340	213	340
5. Cost of goods sold (not of own manufacture) .....	...	...	1,574	2,030	1,574	2,030
6. Materials, supplies, etc.	51,715	54,448	305	291	52,020	54,739
7. Fuel and electricity	1,570	1,588	...	...	1,570	1,588
8. Gross input (5 + 6 + 7)	53,285	56,036	1,879	2,321	55,164	58,357
Value added (3 - 8)	43,837	47,856	157	236	43,993	48,092

TABLE 8. Employment and Payroll, 1964 and 1965

Year and province	Employees										Salaries and wages				
	Production and related workers				Adminis- trative and office		Sales and distribution		Total		Production and related workers		Admin- istra- tive and office	Sales and distrib- ution	Total
	Manufacturing		Other												
	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Manufacturing	Other			
number										\$'000					
1964															
Newfoundland	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Prince Edward Island	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Nova Scotia	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
New Brunswick	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
Quebec	2,298	939	—	33	299	125	69	5	2,666	1,102	11,053	55	2,638	549	14,296
Ontario	1,577	1,043	—	—	181	101	36	18	1,794	1,162	8,454	—	1,516	434	10,404
Manitoba	x	x	x	x	—	x	—	x	x	x	x	x	x	x	x
Saskatchewan	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Alberta	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
British Columbia	x	x	—	—	x	x	x	x	x	x	x	—	x	x	x
Yukon and Northwest Terri- tories	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Totals	3,982	2,152	1	58	514	241	114	24	4,611	2,475	20,316	82	4,426	1,068	25,892
1965															
Newfoundland	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Prince Edward Island	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Nova Scotia	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
New Brunswick	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
Quebec	2,308	968	—	33	319	136	68	9	2,695	1,146	11,871	51	2,833	691	15,446
Ontario	1,577	973	—	—	183	103	36	21	1,796	1,097	8,492	—	1,619	454	10,565
Manitoba	—	x	x	x	—	—	—	—	—	x	x	x	—	—	x
Saskatchewan	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Alberta	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
British Columbia	x	x	—	—	x	x	x	x	x	x	x	—	x	x	x
Yukon and Northwest Terri- tories	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Totals	3,991	2,122	1	53	528	253	113	32	4,633	2,460	21,275	86	4,733	1,236	27,330

TABLE 9. Production and Related Workers, - Manufacturing Activity, 1964 and 1965

Month	1964		1965	
	Male	Female	Male	Female
	number			
Establishments reporting monthly detail (large establishments only):				
January	3,764	2,084	3,840	2,072
February	3,766	2,083	3,874	2,093
March	3,852	2,097	3,826	2,067
April	3,933	2,119	3,906	2,075
May	4,064	2,180	4,020	2,087
June	4,104	2,173	4,138	2,122
July	4,121	2,129	4,152	2,120
August	4,087	2,184	4,228	2,186
September	4,048	2,199	4,075	2,162
October	4,053	2,180	4,015	2,171
November	3,992	2,199	3,932	2,130
December	4,008	2,158	3,909	2,133
Averages	3,982	2,152	3,991	2,122
Establishments reporting annual averages (small establishments only) .....	...	...	...	...
Average for all establishments	3,982	2,152	3,991	2,122

TABLE 10. Inventories, 1965

Province	Manufacturing				Non-manufacturing	Total inventories
	Materials, supplies, etc.	Goods in process	Finished goods of own manufacture	Total	Products or materials purchased for resale	
book value \$'000						
Opening:						
Newfoundland	—	—	—	—	—	—
Prince Edward Island	—	—	—	—	—	—
Nova Scotia	—	—	—	—	—	—
New Brunswick	x	x	x	x	—	x
Quebec	7,151	6,364	2,771	16,285	100	16,385
Ontario	4,169	3,386	2,753	10,308	140	10,447
Manitoba	x	—	x	x	—	x
Saskatchewan	—	—	—	—	—	—
Alberta	—	—	—	—	—	—
British Columbia	x	x	x	x	—	x
Yukon and Northwest Territories	—	—	—	—	—	—
Totals	11,634	10,194	5,745	27,573	240	27,812
Closing:						
Newfoundland	—	—	—	—	—	—
Prince Edward Island	—	—	—	—	—	—
Nova Scotia	—	—	—	—	—	—
New Brunswick	x	x	x	x	—	x
Quebec	7,820	6,072	2,771	16,663	188	16,851
Ontario	4,930	4,126	2,868	11,923	152	12,075
Manitoba	x	—	x	x	—	x
Saskatchewan	—	—	—	—	—	—
Alberta	—	—	—	—	—	—
British Columbia	x	x	x	x	—	x
Yukon and Northwest Territories	—	—	—	—	—	—
Totals	13,143	10,708	5,943	29,794	340	30,134

TABLE 11. Purchased Fuel and Electricity Used, 1964 and 1965

Description	1964		1965	
	Quantity	Cost	Quantity	Cost
		\$'000		\$'000
1. Large establishments reporting commodity detail:				
Bituminous coal:				
(a) From Canadian mines	ton 250	4	332	5
(b) Imported	" 22,055	288	13,824	208
Sub-bituminous coal (from Alberta mines only)	" —	—	—	—
Anthracite coal	" 910	14	216	4
Lignite coal	" —	—	—	—
Coke	" —	—	—	—
Gasoline (including gasoline used in cars and trucks)	Imp. gal. 95,004	39	97,733	40
Fuel oil including kerosene or coal oil	" 4,969,684	445	7,451,676	665
Wood	cord —	—	—	—
Gas:				
(a) Liquefied petroleum gases	Imp. gal. 32,515	13	34,373	14
(b) Other manufactured gas	M cu. ft. —	—	—	—
(c) Natural gas	" 37,171	36	40,246	39
Other fuel —	—	...	—
Electricity purchased	kwh. 86,183,592	683	54,800,699	589
Steam purchased .....	... —	5	...	7
2. Small establishments not reporting commodity detail:				
Estimate for fuel and electricity .....	... —	44	...	18
3. All establishments:				
Total fuel and electricity used .....	...	1,570	...	1,588

TABLE 12. Materials and Supplies - Manufacturing Activity, 1964 and 1965

Description	1964		1965	
	Quantity	Cost	Quantity	Costs
	lbs.	\$'000	lbs.	\$'000
1. Materials used:				
Fibres:				
Cotton, raw	225,000	65	—	—
Man-made fibre, tow and tops	6,222,530	4,373	7,244,838	4,959
Wool:				
Canadian grown (clean)	2,454,847	2,063	1,604,689	1,397
Imported (clean)	7,492,901	6,635	9,714,480	7,998
Noils	1,843,755	1,230	1,817,173	1,217
Tops, wool	6,909,766	11,183	7,047,151	10,758
Other raw stocks (rags and clips, waste, etc.)	7,670,165	3,338	9,270,233	3,459
Yarns:				
Filament yarns, all types	652,833	939	563,984	823
Spun yarns, all types .....	...	10,620	...	12,337
All other materials and components used ¹ .....	...	4,272	...	4,136
2. Containers and other packaging materials and supplies used .....	...	531	...	541
3. Operating, maintenance and repair supplies used (excluding fuel) .....	...	3,860	...	3,737
4. Amount paid out to others for work done on materials owned by establishments .....	...	2,605	...	3,086
Totals .....	...	51,715	...	54,448

¹ No detailed information on materials used was collected from small establishments, the estimates costs for which are included here. There estimated costs were \$688,348 in 1964 and \$412,586 in 1965.

TABLE 13. Shipments of Goods of Own Manufacture, 1964 and 1965

Description	1964		1965	
	Quantity	Value	Quantity	Value
	lbs.	\$'000	lbs.	\$'000
1. Products:				
Woven fabrics, all types .....	...	76,376	...	82,097
Woven goods .....	...	4,406	...	4,700
Yarns sold, all types	7,249,139	9,513	7,693,524	11,640
All other products .....	...	1,754	...	2,102
2. Amount received in payment for work done on materials and products owned by others .....	...	3,222	...	2,695
Less adjustment for value of sales taxes, excise duties and outward transportation charges which could not be deducted from individual commodity items described above .....	...	(5)	...	(52)
Total adjusted value of shipments and work done .....	...	95,267	...	103,180

List of Establishments classified to this Industry, 1965

(Does not include establishments classified to other industries, which as a secondary activity, manufacture products typical of this industry)

Name	Location
New Brunswick:	
Copp Woollen Mills Ltd.	Port Elgin
Cottage Craft	St. Andrews
Humphrey & Son Ltd., J.A.	6 Martin St., Moncton
Loom Crofters, The	Gagetown
St. Andrews Woollens	Douglas St., St. Andrews
Quebec:	
Albany Felt Co. of Canada Ltd.	Cowansville
Chassé & Fils Ltée, Charles	Ste-Marie-de-Beauce
Cleyn & Tinker Ltd.	Huntingdon
Cookshire Woollen Mills Ltd.	Rue Principale, Cookshire
Dominion Ayers Limited	Lachute, Argenteuil Co.
Duval & Raymond Inc.	11, rue St-Jacques, Princeville
Eastern Woollen & Worsted Mills Ltd.	301 - 12 ^{ème} Ave., Richelieu
Filature Plessis Ltée	Plessisville
General Knitting Corporation	7080 St. Alexandra St., Montreal
Huntingdon Woollen Mills Ltd.	Huntingdon
Karen Bulow Ltd.	2182 St. Catherine St. W., Montreal
La Filature de l'Isle-Verte Ltée	Isle-Verte
Le Moulin Blanc Inc.	La Guadeloupe
Les Lainages Victor Ltée	St-Victor-de-Beauce
Levasseur, Conrad	Rue de l'Eglise St-Eleuthère
Little Shop Inc.	Pointe-au-Pic
Lockport-Warwick Felts Ltd.	1 Lee Blvd., Warwick
Montreal Woollens Ltd.	313 Broadway, Montreal East
Montrose Worsted Mills Inc.	201 St. Antoine St. N., Granby
Paton Manufacturing Co. Ltd.	19 Belvedere St. N., Sherbrooke
Pik Mills Ltd.	275 St-Sacrement Ave., Quebec
Scapa Dryers (Canada) Ltd.	1491 Lepine St., Joliette
Sheard & Co. Ltd., George	84 Merrill St., Coaticook
St. George Woollen Mills Ltd.	20th St., St-George-de-Beauce
Textile Ste-Anne Ltée	Rue de l'Hôtel-de-Ville, Rigaud
Textile Weavers Limited	900-7th Ave., Grand-Mère
Warwick Woollen Mills Co. Ltd.	220 St. Louis St., Warwick
Ontario:	
Artex Woollens Ltd.	25 Sheffield St., Hespeler
Barrymore Cloth Co. Ltd.	1179 King St. W., Toronto
Brook Woollen Co. of Simcoe Ltd., The	76 Victoria St., Simcoe
Campbellford Cloth Co. Ltd.	Campbellford
Canada Hair Cloth Co. Ltd.	198 St. Paul St., St. Catharines
Clearview Textiles Ltd.	685 Hespeler Road, Galt
Collie Woollen Mills Ltd.	Appleton
Dominion Woollens & Worsted (1959) Ltd.	215 Queen St. W., Hespeler
Downs, Coutler & Co. (Canada) Ltd.	107 Wragge St., Trenton
Fromm Bros. Ltd.	291 Elgin St. N., Galt
Globe Mills Ltd.	Sykes St., Meaford
Hield Brothers (Canada) Ltd.	Cataraqui St., Kingston
Kenwood Mills. (Division of Huyck Canada Ltd.)	William St., Arnprior
Porrits & Spencer (Canada) Ltd.	240 Lottridge St., Hamilton
Tayside Textiles Ltd.	Perth
Textiles of Renfrew Limited	200 Stewart St., Renfrew
Zephyr Textiles Ltd. (Rosamond Division)	Mary St., Almonte
Manitoba:	
Custom Woollen Mills	Sifton
British Columbia:	
Lockport Pacific Limited	200 Donaghy Avenue, North Vancouver
Spider Looms Limited	5560 Lincoln St., Vancouver
West Coast Woollen Mills Limited	520 Clark Drive, Vancouver

CONCEPTS AND DEFINITIONS

Census of Manufactures

General

The Census of Manufactures is an annual mail survey covering Canada's Manufacturing Industries. It is based on the Standard Classification of Industries and full details concerning the system may be found in the Standard Industrial Classification manual, Catalogue No. 12-501 which is available from the Queen's Printer or the Dominion Bureau of Statistics. In summary, the Classification as it relates to the manufacturing industries provides for a breakdown into 140 industries arranged in 20 major industry groups. Of the 140 (3 digit) industries, 18 are further broken down into 55 (4 digit) sub classes. At the Canada level, principal statistics are collected and compiled for 176 separate industries. They cannot all be published separately by province, however, because of the confidential nature of the data in certain provinces.

The reporting unit for the Census is designated as the **establishment** (see definition of "Establishment" in following section) and a return is requested from every establishment classified to a manufacturing industry. Although respondents are required to submit reports covering the calendar year, financial year reports other than the calendar year are accepted in instances where respondents find it impossible to supply calendar year data from accounting records. When an establishment is operated for only part of a year a report is required covering the period of operation.

There are four different questionnaires used in the Census of Manufactures; (a) short form (b) long form (c) head office questionnaire and (d) commodity questionnaire. The short and long forms are used to obtain principal statistics and commodities shipped from establishments classified to manufacturing industries and differ only in the amount of detail requested. The short form is a single-sheet questionnaire sent to small manufacturers generally reporting shipments of less than \$100,000; this cut-off, however, varies somewhat between industries. The head office questionnaire is generally used for company head offices and/or auxiliary units separately located from the manufacturing establishment(s), (see following notes on Head offices and auxiliary units). The Commodity questionnaire is used to survey certain establishments which are coded (on the basis of their principal activity) to industries other than manufacturing in the Standard Industrial Classification system, but which undertake some manufacturing as a subsidiary activity. This single-sheet questionnaire is designed to collect information on the quantity and value of goods of own manufacture shipped by such establishments in order to achieve full coverage of domestically manufactured commodities (see the following note under Shipments).

The results of the Census are presented in some 135 publications. In addition to these annual industry publications there are annual summary reports for Canada and the provinces and special reports giving principal statistics by detailed geographic areas, by type of ownership and size of establishment. A special annual report covering the shipments of all manufactured commodities arranged in alphabetical order is also published.

Since 1960 the following major changes have been implemented in the Census of Manufactures; (a) a revised Standard Industrial Classification (b) a new establishment definition and (c) an extension of the establishment definition to cover the non-manufacturing activities of manufacturing establishments. The statistics presented in the reports reflect the complete implementation of these changes and enable comparisons to be made back to and including 1961. For a complete description of the procedures followed in establishing the revised series, reference should be made to the Explanatory Notes included in the 1960, 1961 and 1962 industry publications. The statistical framework within which the Census of Manufactures is now carried out is based on the following concepts and definitions which have been developed as part of a general programme to achieve a fully integrated system of economic statistics.

Establishment

A manufacturing establishment is typically a factory, mill or plant principally engaged in manufacturing activities. The majority of such establishments are firms but many firms have more than one establishment. Such firms are requested to submit a separate Census of Manufactures report for each manufacturing establishment which can meet the reporting requirements embodied in the following definition of the "establishment":

"The smallest unit which is a separate operating entity capable of reporting the following principal statistics:

- Materials and supplies used
- Goods purchased for resale as such
- Fuel and power consumed
- Number of employees and salaries and wages
- Man-hours worked and paid
- Inventories
- Shipments or sales."

Each establishment is required to report on all the activities carried out within its accounting boundaries (except income from investments such as rent, interest and dividends) and data on the different activities (manufacturing, trading in goods not of own manufacture, construction by own labour

force, revenue from services, etc.) are requested to be reported separately. It should be noted that the statistics for separate activities are not completely consistent since some respondents cannot distinguish, in their records, materials, shipments and inventories relating solely to their own manufacturing activities. For example, inventory of goods purchased for re-sale may not be distinguishable from inventory of own manufactured goods. Complete consistency, therefore, can be obtained only at the "all operations" (total activity) level and for studies or statistical measures requiring accurate coordinated data, the "total" statistics should be used.

The number of establishments represents the number of operating units that are principally engaged in the activities of the manufacturing industries to which they have been classified. These units do not necessarily represent the total number engaged in the production of a commodity mainly produced in a certain industry. Some commodities are produced as secondary products in other manufacturing and non-manufacturing industries. It should be noted that head offices and auxiliary units which are surveyed separately are not included in the establishment count, (see following notes on head offices and auxiliary units).

Head Offices and Auxiliary Units

All head offices and auxiliary units of companies classified to the manufacturing industries such as sales offices, administrative offices, warehouses, laboratories, etc. are now surveyed as part of the Census of Manufactures.

These head offices and auxiliary units are either included in an establishment report or are surveyed by means of the head office questionnaire. The former is the most common case where a single establishment firm has its executive personnel, sales office, etc. located at the site of the manufacturing plant (establishment). The special head office questionnaire is generally used where a firm, regardless of the number of establishments, has separately located offices or auxiliary units. Such offices or units do not constitute establishments within the Census of Manufactures as they do not normally generate operational revenues, but give rise only to costs of operations (mainly salaries and wages) which are automatically included in the value of shipments or sales. Although not considered as establishments, and hence, not included in the "establishment" count for an industry, the operational costs are reflected in either the "Industry" statistics (3 or 4 digit level) or the "Major group" statistics (2 digit level) according to the following rules:

(a) In the case of single establishment firms, statistics for separately located offices and units are classified to the same industry (3 or 4 digit) as the establishment;

(b) In the case of multi-establishment firms, the statistics for such offices and units are coded to the same industry as the establishments of the firm, when all establishments are in the same industry (3 or 4 digit). When establishments of

such firms are coded (1) to different industries within a major group, (2) to industries in different major groups or (3) to industries in different divisions of the Standard Industrial Classification, then the statistics are included in the major group totals (2 digit level) in which the major part of the company's operations are classified. Although this may result in some distortion of major group statistics in the case of (2) and (3) the statistics at the industry (3 or 4 digit) level in all cases will be left free of these company-wide data.

Employees

(a) Production and related workers – Manufacturing activities

In addition to those engaged in production and assembling activities, they include those employed in storing, inspecting, handling, packing, warehousing, etc. They also include employees engaged in maintenance, repair, janitorial and watchman services and line supervisors (working foremen) engaged in similar work to that of the employees they supervise. For those establishments reporting on the "long" form, production and related workers engaged in manufacturing activity are reported as those receiving pay during the last pay period of each month, an average for the year being obtained by summing the monthly figures and dividing by 12. This procedure is followed even though the establishment did not operate in all months in order to arrive at equivalent annual full-time employment. The numbers are somewhat affected by turnover, in that employment is overstated when an employee changes employment during a pay period. In the case of those establishments reporting on the "short" form, respondents are requested to report average annual figures. The man-hours of production and related workers in manufacturing activity represent total man-hours paid (total hours at work during the calendar year plus hours not worked but nevertheless paid for, such as paid vacations, sick leave, statutory holidays, etc.). Data on man-hours are not collected from establishments reporting on the short form. Man-hours for these establishments are estimated on the basis of ratios derived from the 1958 census. During this census all establishments reported on the long form. In reporting overtime hours, respondents are requested to report only hours actually at work. It should be noted that the division of hours paid into production and related workers payrolls results in average hourly earnings and does not represent hourly wage rates which are collected and published by the Department of Labour and which are based on selected occupations.

(b) Production and related workers – Non-manufacturing activities

Such employees include those on manufacturing establishments' payrolls engaged in activities such as construction undertaken for the use of these establishments, some outside piece-workers employed in certain industries, logging employees who are reported as part of a sawmilling establishment and any other production workers who are not engaged in manufacturing-type operations.

(c) Administrative and office employees

This category includes all executive and supervisory officials such as presidents, vice-presidents, comptrollers, secretaries, treasurers, etc., together with managers, professional, technical and research employees, superintendents and factory supervisors above the line supervisor or working foreman level, and clerical staffs. Also included are employees in activities such as advertising, credit collections, purchasing, personnel, legal, medical, etc. It should be noted that prior to 1961 this category also included working owners and partners. Also included in this category are employees located at head offices or auxiliary units separately located from the establishment; these are generally included in the figures for the province in which they are located according to the rules outlined under "Head offices and auxiliary units" above.

(d) Sales and distribution workers

This category includes office personnel whose salaries are charged to selling expense, travelling salesmen, driver salesmen, truckdrivers and their helpers, etc. It may also include some sales employees who are reported as part of a manufacturing establishment but are not working at the establishment's location. These are generally broken down by province in cases where more than 15 employees are involved in any one province. The figures exclude persons working on a commission basis who are not considered regular employees of the establishment.

(e) Total Employees

This total comprises the foregoing categories including employees located at separately located head offices and auxiliary units. The numbers of employees included under categories (b), (c) and (d) are reported in the form of annual averages and represent as closely as possible full time employment; adjustments are made when reported figures indicate the existence of part time or seasonal employment. In all the above categories, figures on employment refer to the calendar year whether or not other establishment statistics can only be reported on a fiscal year other than the calendar year.

Working Owners or Partners

These are not now included in the statistics of employees and salaries and wages. There is some duplication in numbers when a person owns more than one establishment and is reported as a working owner on each Census return. Withdrawals of working owners are defined as amounts withdrawn by owners or partners for normal living expenses excluding withdrawals for payment of income tax.

Salaries and Wages

Salaries and wages refer to gross earnings of employees **before** deductions for income tax and employees contributions to social services such as sickness, accident and unemployment insurance, pensions, etc. They include all salaries, wages,

bonuses, profits shared with employees, the value of room and board where provided, commissions (paid to regular employees only) as well as any other allowance forming part of the worker's earnings. Payments for over-time are included. Figures on salaries and wages refer to the calendar year.

Fuel and Electricity

Figures for fuel refer to amounts actually used (including fuel used in cars, trucks, locomotives, etc.), not to purchases unless the quantities are substantially the same. **Any fuel and electricity produced by establishments for internal consumption are not included in the total cost.** Values represent laid down cost at the establishment including freight, duty, etc. Although fuel and electricity used is considered part of manufacturing activity it should be noted that it also includes relatively small amounts used in non-manufacturing activities since these cannot be reported separately.

Materials and Supplies

(a) Manufacturing activities

Figures represent quantities and laid down cost values, at the establishment, of materials, supplies and purchased components owned and used during the year in manufacturing activities and related processes. These statistics represent only commodity items or physical goods (cost of services or overhead charges such as advertising, insurance, depreciation, etc. are not included) whether purchased from others or received as transfers (in the form of materials, components or semi-processed goods) from other establishments of the reporting company. Included are maintenance and repair supplies not chargeable to fixed assets accounts and any amounts charged by other establishments for work done on materials owned by the reporting establishment. Cost of repairs or maintenance done by outside contractors and cost of returnable containers are not included.

(b) Non-manufacturing activities

1. Purchases for re-sale as such

Figures represent cost of materials or products purchased from others by the reporting establishment (or received as transfers from other establishments of the reporting company) for re-sale as such in the same condition as purchased. Included are any finished products received on consignment from other countries.

2. Other materials and supplies used

Figures represent the cost of materials and supplies, if any, used in new construction and in the production of machinery and equipment (for the use of the reporting establishment) by the establishment's own employees. Included are materials used for any capital repairs and alterations carried out by the establishment's employees. Amounts paid to outside contractors for construction and repair work are not included nor is the cost of

purchased machinery and equipment. Also included is the cost of office supplies not chargeable to fixed assets accounts and the cost of such other items of materials and supplies used as food, beverages and supplies for establishment-operated cafeterias and lunch counters, first aid and medical supplies, laboratory supplies, etc.

Shipments

(a) General

The figures represent revenue from all production, sales, services and related activities of reporting establishments with shipments valued in Canadian dollars at the point at which the establishment relinquishes control. The unsold portion at year end of consignment shipments in Canada is treated as inventory and not as shipments but all shipments to foreign countries for which the form B13 "Customs Canada Export Entry" has been completed, are treated as shipments.

In those industries where work on principal products extends over a relatively long period, (Fabricated Structural Metal Industry, Aircraft and Parts Manufacturers, Railroad Rolling Stock Industry and Shipbuilding and Repair Industry) the value of production rather than the value of shipments is recorded. There are certain establishments in other industries which also operate on a basis of progress payments. For these establishments, shipments are also adjusted to work put in place on the basis of the net change in progress payments over the year.

(b) Shipments of goods of own manufacture

These figures represent shipments of goods made from own materials either in the reporting establishments or by other manufacturers on the basis of a charge to the reporting establishments for work done. Included are revenue from repair and custom work, amounts received in payment for work done on materials owned by other establishments and the cost (book value) of any goods shipped on a rental basis.

All products and by-products of own manufacture shipped from the establishment are covered, including transfer shipments to sales outlets, distributing warehouses or to other manufacturing plants of the reporting firm, when such units are treated as separate establishments. The value of shipments are net of returned goods, discounts, returns, allowances, sales tax and excise taxes and duties, returnable containers and charges for outward transportation by common or contract carriers. Transportation or delivery expense incurred by the reporting establishment's own carriers are included.

Shipments of goods of own manufacture of establishments which are coded to some other division of the Standard Industrial Classification (on the basis of principal activity) but which are engaged in manufacturing as a subsidiary activity

are collected by means of the Commodity questionnaire referred to earlier. Such shipments together with shipments of goods of own manufacture of establishments forming the universe of manufacturing industries are compiled and recorded in the various industry publications.

(c) Shipments of goods not of own manufacture

These figures represent the net selling value at establishment (net of discounts, returns, allowances, sales taxes and excise duties and taxes and transportation charges by common or contract carriers) of all products or materials (including products transferred from other establishments of the reporting firm) sold as such in the same condition as purchased or received as transfers. For those industries which ship such goods on a rental basis, the value of shipments represents the book value of these goods. All sales of consignment goods from other countries are included.

(d) Other revenue

Figures represent the book value of fixed assets, if any, (new construction and machinery and equipment including major repairs, alterations, additions, modifications, installation and assembly work) produced during the year for the use of reporting establishments by the establishment's own employees and for which depreciation accounts are maintained. Included also are any revenues from the sale of electricity and from any operations performed by the establishment's own employees, such as revenue from goods produced or purchased for rental (the book value of such goods are included as part of shipments of goods of own manufacture or shipments of goods not of own manufacture), servicing revenues, commissions on sales (when not included in value of sales), revenue for company-operated cafeterias and lunch counters and revenue from outside installation or construction work not related to the establishment's own products, sale of used materials (excluding sale of used fixed assets) research and development work, etc. As mentioned previously the figures do not include non-operating revenue such as rent, dividends, interest, etc.

Inventories

(a) Manufacturing activities

Values represent the book values of manufacturing inventory owned in Canada. Inventories held for which progress payments have been received are not included. Where progress payment accounts are maintained, the change in these accounts is treated as a net adjustment to shipments. Figures consist of inventory owned at the plant and at warehouses or selling outlets which are treated as extensions of establishments for the purpose of reporting shipments. Inventory owned in transit in Canada or on consignment in Canada is included. Goods shipped abroad and held in inventory are included in shipments. Opening inventories may differ from the closing inventories of the previous year because of changes in classification, the

receipt of revised data, the inclusion of new establishments and the removal of establishments which did not operate during the survey year.

(b) Non-manufacturing activities

Figures represent the book value of inventory of goods purchased for re-sale as such without further processing, owned by the reporting establishments and held at plants and at any warehouses or selling outlets which are treated as extensions of establishments. Other characteristics are the same as in (a) above.

Value Added

(a) By manufacturing activities

Figures are compiled by deducting the cost of manufacturing materials, supplies, etc. and fuel and electricity consumed from the (value of shipments of goods of own manufacture adjusted for changes in the value of inventories of finished goods and goods in process).

(b) By non-manufacturing activities

The figures are compiled by deducting the cost of goods purchased for re-sale (adjusted for changes in the value of inventories of goods pur-

chased for re-sale) and the cost of non-manufacturing materials and supplies used from the value of shipments of goods not of own manufacture, plus other revenue.

(c) By Total activities

The figures consist of value added by manufacturing activities plus value added by non-manufacturing activities. This total value added figure may, in some cases, be less than value added by manufacturing activities as a result of expenditures associated with non-manufacturing exceeding revenues from such activities or because of a decrease in inventory of goods not of own manufacture exceeding the mark-up on the sale of such goods. "Value added" is sometimes referred to as net output or net production. However, to arrive at the National Accounts concept of net production, or Gross Domestic Product at "Factor cost" it would be necessary to subtract also the cost of advertising, insurance and other business expenses which are not collected as part of the annual Census of Manufactures. "Value added" figures for the primary industries, manufacturing and construction are published in DBS publication Catalogue No. 61-202, "Survey of Production".

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