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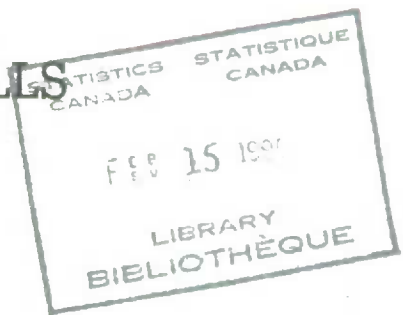
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ANNUAL



SYNTHETIC TEXTILE MILLS

1965



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PUBLICATIONS

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Q - Quarterly

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SYNTHETIC TEXTILE MILLS

1965

In terms of the revised Standard Industrial Classification and the New Establishment Concept, this industry is defined as comprising those "Establishments primarily engaged in manufacturing yarns and broad woven goods of synthetic textile fibres, including glass fibres. This industry includes establishments primarily engaged in manufacturing yarns and broad woven goods of natural silk. It also includes establishments engaged in the extrusion of synthetic textile filaments".

The Synthetic Textile Mills industry has two branches, to the first of which belong the producers of synthetic filament yarns and of staple fibres. The production of textile filament yarns by the seven firms reporting this commodity in 1965 was 118,940,335 pounds compared to the figure of 102,904,990 pounds in 1964. The second branch of the industry consists of establishments manufacturing spun yarn and fabrics. This report covers the activities of the whole industry, i.e. those of the two branches on a combined basis.

Tables 12 and 13 present, respectively, the materials used in manufacturing and the shipments of goods of own manufacture by the industry in 1964 and 1965. However, the information given in the latter table has been somewhat abridged in order to present in Table 14A the important data covering the shipments of broadwoven synthetic fabrics by all industries for both 1964 and 1965. These all-industry shipments are further broken by type and construction for these two years in Table 14B. Tables 15 and 16 present, respectively, as detailed information as possible covering the yarn spun in 1965 by this industry and by all the important primary textile industries.

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

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	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	57	12,214	27,059	39,957	5,056	121,993	250,478	121,614	x	x	15,710	58,826	122,367
1962													
Totals	62	13,134	28,507	44,171	5,318	140,967	283,676	140,737	-	-	16,781	64,025	141,587
1963													
Totals	60	13,974	30,888	50,202	5,801	165,057	332,409	164,987	-	-	17,762	70,857	165,210
1964													
Newfoundland	-	-	-	-	-	-	-	-	-	-	-	-	-
Prince Edward Island	-	-	-	-	-	-	-	-	-	-	-	-	-
Nova Scotia	1	x	x	x	x	x	x	x	-	-	x	x	x
New Brunswick	-	-	-	-	-	-	-	-	-	-	-	-	-
Quebec	37	10,209	21,989	33,613	3,168	116,596	212,744	97,802	-	-	12,689	46,362	97,357
Ontario	21	x	x	x	x	x	x	x	-	-	x	x	x
Manitoba	-	-	-	-	-	-	-	-	-	-	-	-	-
Saskatchewan	-	-	-	-	-	-	-	-	-	-	-	-	-
Alberta	1	x	x	x	x	x	x	x	-	-	x	x	x
British Columbia	-	-	-	-	-	-	-	-	-	-	-	-	-
Yukon and Northwest Territories	-	-	-	-	-	-	-	-	-	-	-	-	-
Totals	60	15,474	33,807	58,612	6,726	184,063	372,653	188,673	-	-	19,481	81,069	187,251
1965													
Newfoundland	-	-	-	-	-	-	-	-	-	-	-	-	-
Prince Edward Island	-	-	-	-	-	-	-	-	-	-	-	-	-
Nova Scotia	1	x	x	x	x	x	x	x	-	-	x	x	x
New Brunswick	-	-	-	-	-	-	-	-	-	-	-	-	-
Quebec	38	10,005	21,450	34,218	3,388	115,007	199,177	86,788	-	-	12,500	47,713	86,355
Ontario	24	x	x	x	x	x	x	x	-	-	x	x	x
Manitoba	-	-	-	-	-	-	-	-	-	-	-	-	-
Saskatchewan	-	-	-	-	-	-	-	-	-	-	-	-	-
Alberta	1	x	x	x	x	x	x	x	-	-	x	x	x
British Columbia	-	-	-	-	-	-	-	-	-	-	-	-	-
Yukon and Northwest Territories	-	-	-	-	-	-	-	-	-	-	-	-	-
Totals	64	15,933	34,306	62,238	7,454	203,256	373,842	172,304	-	-	20,193	87,013	172,544

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	-	-	-	-	-	-	-	-	-	-	-	-		
25,000 " 49,999	3	28	62	86	6	125	254	126	-	-	33	100	125	
50,000 " 99,999		9	206	474	688	57	1,482	2,928	1,496	-	-	237	915	1,497
100,000 " 199,999		3	239	500	747	50	853	1,964	1,045	-	-	271	949	1,043
200,000 " 499,999		29	4,152	8,922	12,784	1,004	45,805	76,434	31,360	-	-	4,861	16,762	31,637
500,000 " 999,999	16	10,849	23,849	44,306	5,609	135,798	291,072	154,647	-	-	13,648	59,092	153,067	
1,000,000 " 4,999,999		5,000,000 and over	431	3,252	(118)
Head offices, sales offices and auxiliary units .....	...	...	...	...	...	...	...	...	...	...	431	3,252	(118)
Totals	60	15,474	33,807	58,612	6,726	184,063	372,653	188,673	-	-	19,481	81,069	187,251	
1965														
Under \$10,000	-	-	-	-	-	-	-	-	-	-	-	-		
\$ 10,000 to \$ 24,999	-	-	-	-	-	-	-	-	-	-	-	-		
25,000 " 49,999	4	14	30	52	16	167	231	29	-	-	23	88	49	
50,000 " 99,999		11	258	521	752	43	2,527	4,134	1,797	-	-	294	994	1,795
100,000 " 199,999		7	290	622	926	135	3,470	5,883	2,589	-	-	374	1,490	2,532
200,000 " 499,999		25	3,701	8,089	11,956	911	44,948	72,290	27,615	-	-	4,316	15,522	27,642
500,000 " 999,999	17	11,670	25,045	48,553	6,349	152,145	291,303	140,273	-	-	14,770	65,913	140,658	
1,000,000 " 4,999,999		5,000,000 and over	416	3,006	(131)
Head offices, sales offices and auxiliary units .....	...	...	...	...	...	...	...	...	...	...	416	3,006	(131)
Totals	64	15,933	34,306	62,238	7,454	203,256	373,842	172,304	-	-	20,193	87,013	172,544	

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	-	-	-	-	-	-	-	-	-	-	-	-		
25,000 " 49,999	5	73	166	218	34	797	1,054	226	-	-	80	250	232	
50,000 " 99,999		8	110	248	320	18	807	1,478	649	-	-	125	396	649
100,000 " 199,999		5	389	806	1,061	80	3,716	6,473	2,786	-	-	447	1,533	2,815
200,000 " 499,999		13	1,147	2,536	3,679	316	16,550	25,840	9,659	-	-	1,369	4,932	9,711
500,000 " 999,999	24	6,756	14,886	22,740	1,933	86,889	138,852	53,325	-	-	7,956	29,286	53,501	
1,000,000 " 4,999,999		5	6,999	15,166	30,594	4,344	75,304	198,956	122,028	-	-	9,073	41,420	120,461
5,000,000 and over .....	...	...	...	...	...	...	...	...	...	...	431	3,252	(118)
Head offices, sales offices and auxiliary units .....	...	...	...	...	...	...	...	...	...	...	431	3,252	(118)
Totals	60	15,474	33,807	58,612	6,726	184,063	372,653	188,673	-	-	19,481	81,069	187,251	
1965														
Under \$10,000	-	-	-	-	-	-	-	-	-	-	-	-		
\$ 10,000 to \$ 24,999	-	-	-	-	-	-	-	-	-	-	-	-		
25,000 " 49,999	6	51	108	141	21	713	943	211	-	-	65	217	231	
50,000 " 99,999		7	155	318	477	61	2,261	3,012	1,050	-	-	180	611	1,031
100,000 " 199,999		10	478	1,025	1,446	151	4,650	8,230	3,508	-	-	578	2,069	3,469
200,000 " 499,999		12	1,358	2,996	4,466	331	15,669	24,160	8,248	-	-	1,606	5,980	8,730
500,000 " 999,999	23	5,908	12,994	21,205	1,945	86,665	135,716	51,900	-	-	6,993	27,225	51,397	
1,000,000 " 4,999,999		6	7,983	16,865	34,503	4,945	93,298	201,780	107,388	-	-	10,355	47,906	107,370
5,000,000 and over .....	...	...	...	...	...	...	...	...	...	...	416	3,006	(131)
Head offices, sales offices and auxiliary units .....	...	...	...	...	...	...	...	...	...	...	416	3,006	(131)
Totals	64	15,933	34,306	62,238	7,454	203,256	373,842	172,304	-	-	20,193	87,013	172,544	

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 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														
Under \$10,000	}													
\$ 10,000 to \$ 24,999		5	73	166	218	34	797	1,054	226	-	-	80	250	232
25,000 " 49,999														
50,000 " 99,999														
100,000 " 199,999		5	110	248	320	18	807	1,478	649	-	-	125	396	649
200,000 " 499,999	8	389	806	1,061	80	3,716	6,473	2,786	-	-	447	1,533	2,815	
500,000 " 999,999	13	1,147	2,536	3,679	316	16,550	25,840	9,659	-	-	1,369	4,932	9,711	
1,000,000 " 4,999,999	24	6,756	14,886	22,740	1,933	86,889	138,852	53,325	-	-	7,956	29,286	53,501	
5,000,000 and over	5	6,999	15,166	30,594	4,344	75,304	198,956	122,028	-	-	9,073	41,420	120,461	
Head offices, sales offices and auxiliary units .....	...	...	...	...	...	...	...	...	...	...	431	3,252	(118)
Totals	60	15,474	33,807	58,612	6,726	184,063	372,653	188,673	-	-	19,481	81,069	187,251	
1965														
Under \$10,000	}													
\$ 10,000 to \$ 24,999		6	51	108	141	21	713	943	212	-	-	65	217	231
25,000 " 49,999														
50,000 " 99,999														
100,000 " 199,999		7	155	318	477	61	2,261	3,012	1,050	-	-	180	611	1,031
200,000 " 499,999	10	478	1,025	1,446	151	4,650	8,230	3,508	-	-	578	2,069	3,469	
500,000 " 999,999	12	1,358	2,996	4,466	331	15,669	24,160	8,248	-	-	1,606	5,980	8,230	
1,000,000 " 4,999,999	23	5,908	12,994	21,205	1,945	86,665	135,716	51,900	-	-	6,993	27,225	51,897	
5,000,000 and over	6	7,983	16,865	34,503	4,945	93,298	201,780	107,388	-	-	10,355	47,906	107,818	
Head offices, sales offices and auxiliary units .....	...	...	...	...	...	...	...	...	...	...	416	3,006	(131)
Totals	64	15,933	34,306	62,238	7,454	203,256	373,842	172,304	-	-	20,193	87,013	172,544	

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 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														
Under 5 employed	}													
5 - 14 employed		14	276	634	890	69	2,387	4,297	1,935	-	-	321	1,226	1,934
15 - 49 "														
50 - 99 "		13	828	1,890	2,610	245	16,557	25,694	9,450	-	-	998	3,645	9,521
100 - 199 "		8	887	1,921	2,776	230	12,187	19,402	7,205	-	-	1,041	3,707	7,167
200 - 499 "	16	4,008	8,716	13,601	1,193	54,941	87,239	32,996	-	-	4,665	17,401	33,133	
500 employed and over	9	9,475	20,646	38,735	4,989	97,990	236,021	137,086	-	-	12,025	51,838	135,613	
Head offices, sales offices and auxiliary units .....	...	...	...	...	...	...	...	...	...	...	431	3,252	(118)
Totals	60	15,474	33,807	58,612	6,726	184,063	372,653	188,673	-	-	19,481	81,069	187,251	
1965														
Under 5 employed	}													
5 - 14 employed		4	14	30	52	16	167	231	29	-	-	23	88	49
15 - 49 "		15	380	773	1,143	123	4,703	7,441	2,965	-	-	435	1,489	2,945
50 - 99 "		9	572	1,280	1,803	141	9,648	15,717	6,490	-	-	704	2,678	6,416
100 - 199 "		11	1,194	2,680	3,996	345	20,908	31,552	11,159	-	-	1,391	5,199	11,109
200 - 499 "	17	4,261	9,296	15,757	1,386	59,949	93,883	36,888	-	-	5,068	20,360	35,878	
500 employed and over	8	9,512	20,248	39,487	5,441	107,881	225,018	115,773	-	-	12,156	54,194	116,278	
Head offices, sales offices and auxiliary units .....	...	...	...	...	...	...	...	...	...	...	416	3,006	(131)
Totals	64	15,933	34,306	62,238	7,454	203,256	373,842	172,304	-	-	20,193	87,013	172,544	

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

Type of organization	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													
Individual ownerships	-	-	-	-	-	-	-	-	-	-	-	-	
Partnerships	-	-	-	-	-	-	-	-	-	-	-	-	
Incorporated companies	60	15,474	33,807	58,612	6,726	184,063	372,653	188,673	...	...	19,050	77,817	187,369
Co-operatives	-	-	-	-	-	-	-	-	-	-	-	-	-
Head offices, sales offices and auxiliary units .....	...	...	...	...	...	...	...	...	...	...	431	3,252	(118)
Totals	60	15,474	33,807	58,612	6,726	184,063	372,653	188,673	-	-	19,481	81,069	187,251
1965													
Individual ownerships	-	-	-	-	-	-	-	-	-	-	-	-	-
Partnerships	-	-	-	-	-	-	-	-	-	-	-	-	-
Incorporated companies	64	15,933	34,306	62,238	7,454	203,256	373,842	172,304	...	...	19,777	84,007	172,676
Co-operatives .....	-	-	-	-	-	-	-	-	...	...	-	-	-
Head offices, sales offices and auxiliary units .....	...	...	...	...	...	...	...	...	...	...	...	...	...
Totals	64	15,933	34,306	62,238	7,454	203,256	373,842	172,304	-	-	20,193	87,013	172,544

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	372,653	373,842	12,703	11,422	385,356	385,264
Inventories—Goods of own manufacture:						
Add closing—Goods in process	18,594	19,564	...	...	18,594	19,564
Finished goods	27,120	33,337	...	...	27,120	33,337
Deduct opening—Goods in process	16,626	17,660	...	...	16,626	17,660
Finished goods	22,279	26,069	...	...	22,279	26,069
2. Net inventory change	6,809	9,172	...	...	6,809	9,172
3. Gross output (1 + 2)	379,462	383,014	12,703	11,422	392,165	394,436
Input						
4. Purchases of goods not of own manufacture .....	...	...	10,420	9,452	10,420	9,452
Inventories—Goods not of own manufacture:						
Add opening .....	...	...	2,515	1,136	2,515	1,136
Deduct closing .....	...	...	1,136	942	1,136	942
5. Cost of goods sold (not of own manufacture) .....	...	...	11,799	9,646	11,799	9,646
6. Materials, supplies, etc.	184,063	203,256	2,325	1,535	186,388	204,791
7. Fuel and electricity	6,726	7,454	...	...	6,726	7,454
8. Gross input (5 + 6 + 7)	190,789	210,710	14,124	11,181	204,913	221,301
Value added (3 - 8)	188,673	172,304	(1,421)	241	187,251	172,544

TABLE 8. Employment and Payroll, 1964 and 1965

Year and province	Employees										Salaries and wages				
	Production and related workers				Administrative and office		Sales and distribution		Total		Production and related workers		Administrative and office	Sales and distribution	Total
	Manufacturing		Other		Male	Female	Male	Female	Male	Female	Manufacturing	Other			
	Male	Female	Male	Female											
1964	number										\$'000				
Newfoundland	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Prince Edward Island	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Nova Scotia	x	x	x	x	x	x	x	x	x	x	x	x	x	x	
New Brunswick	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Quebec	8,066	2,143	-	-	1,699	697	70	14	9,835	2,854	33,613	-	11,684	1,065	46,362
Ontario	x	x	x	x	x	x	x	x	x	x	x	x	x	x	
Manitoba	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Saskatchewan	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Alberta	x	x	x	x	x	x	x	x	x	x	x	x	x	x	
British Columbia	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Yukon and Northwest Territories	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Totals	12,263	3,211	45	5	2,738	992	177	50	15,223	4,258	58,612	302	20,166	1,989	81,069
1965	number										\$'000				
Newfoundland	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Prince Edward Island	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Nova Scotia	x	x	x	-	x	x	x	x	x	x	x	x	x	x	
New Brunswick	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Quebec	7,930	2,075	-	-	1,690	686	99	20	9,719	2,781	34,218	-	12,176	1,319	47,713
Ontario	x	x	x	-	x	x	x	x	x	x	x	x	x	x	
Manitoba	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Saskatchewan	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Alberta	x	x	x	-	x	x	-	x	x	x	x	x	x	x	
British Columbia	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Yukon and Northwest Territories	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Totals	12,631	3,302	75	-	2,882	1,007	232	64	15,820	4,373	62,238	297	22,071	2,406	87,013

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	11,506	3,105	12,612	3,210
February	11,588	3,161	11,089	3,060
March	11,799	3,132	12,690	3,267
April	11,914	3,166	12,764	3,309
May	12,152	3,150	12,848	3,359
June	12,405	3,175	12,991	3,331
July	12,252	3,124	12,784	3,278
August	12,744	3,259	12,914	3,352
September	12,519	3,300	12,768	3,372
October	12,639	3,341	12,718	3,399
November	12,749	3,354	12,621	3,353
December	12,871	3,293	12,754	3,321
Averages	12,263	3,211	12,631	3,302
Establishments reporting annual averages (small establishments only)	...	...	...	...
Average for all establishments	12,263	3,211	12,631	3,302

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	x	x	x	x	x	x
New Brunswick	-	-	-	-	-	-
Quebec	13,428	13,790	15,458	42,677	16	42,693
Ontario	x	x	x	x	x	x
Manitoba	-	-	-	-	-	-
Saskatchewan	-	-	-	-	-	-
Alberta	x	x	x	x	x	x
British Columbia	-	-	-	-	-	-
Yukon and Northwest Territories	-	-	-	-	-	-
Totals	22,685	17,660	26,069	66,414	1,136	67,549
Closing:						
Newfoundland	-	-	-	-	-	-
Prince Edward Island	-	-	-	-	-	-
Nova Scotia	x	x	x	x	x	x
New Brunswick	-	-	-	-	-	-
Quebec	13,615	14,858	20,397	48,870	29	48,899
Ontario	x	x	x	x	x	x
Manitoba	-	-	-	-	-	-
Saskatchewan	-	-	-	-	-	-
Alberta	x	x	x	x	x	x
British Columbia	-	-	-	-	-	-
Yukon and Northwest Territories	-	-	-	-	-	-
Totals	24,313	19,564	33,337	77,214	942	78,156

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	3,582	50	3,526	51
(b) Imported	"	7,082	97	5,565	74
Sub-bituminous coal (from Alberta mines only)	"	-	-	-	-
Anthracite coal	"	194	3	-	-
Lignite coal	"	-	-	-	-
Coke	"	-	-	-	-
Gasoline (including gasoline used in cars and trucks)	Imp. gal.	42,610	17	68,867	27
Fuel oil including kerosene or coal oil	"	43,407,622	3,258	44,103,679	3,385
Wood	cord	-	-	-	-
Gas:					
(a) Liquefied petroleum gases	Imp. gal.	113,053	45	152,830	61
(b) Other manufactured gas	M cu. ft.	-	-	-	-
(c) Natural gas	"	1,273,968	521	1,576,493	810
Other fuel .....		...	-	...	-
Electricity purchased	kwh.	403,328,103	2,693	440,971,793	2,958
Steam purchased .....		...	22	...	60
2. Small establishments not reporting commodity detail:					
Estimate for fuel and electricity .....		...	21	...	28
3. All establishments:					
Total fuel and electricity used .....		...	6,726	...	7,464

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

Description	1964		1965	
	Quantity	Cost \$'000	Quantity	Cost \$'000
1. Materials used:				
Wool tops and broken tops (clean weight).....	lb. 2,167,681	1,973	1,080,658	1,547
Raw cotton.....	" 4,178,503	1,290	5,664,850	1,843
Rayon staple fibre, tow and tops.....	" 24,331,299	8,273	22,060,261	7,802
Nylon staple fibre, tow and tops.....	" 1,988,234	1,759	2,295,802	2,460
Acrylic staple fibre, tow and tops.....	" 4,845,295	5,260	6,749,834	7,335
Polyester staple fibre, tow and tops.....	" 2,149,738	2,356	2,980,661	3,056
Other raw stock.....	"	12,535	"	14,764
Yarns:				
Filament yarns:				
Real silk.....	lb. 6,908	46	1,486	7
Acetate rayon.....	" 7,177,839	6,986	14,681,024	9,911
Other rayon.....	" 4,699,766	4,132	5,584,552	4,286
Nylon.....	" 11,948,576	23,168	13,553,237	21,625
Polyester.....	" 1,191,872	2,397	1,859,954	3,376
Glass.....	" 2,835,647	1,898	3,078,796	1,997
Other filament yarns.....	" 1,692,216	2,207	"	3,107
Spun yarns:				
Cotton:				
Natural or grey.....	" 5,639,417	5,150	5,433,030	4,913
Bleached or coloured.....	" 184,788	225	186,940	207
Rayon.....	" 4,370,205	3,507	6,274,254	4,987
Spun yarn wholly of man-made fibre, n.e.s.....	" 3,248,943	2,850	4,012,399	3,672
Spun yarn containing wool.....	" 312,557	748	517,169	867
Spun yarn containing cotton and no wool.....	" 475,157	525	240,836	230
Other spun yarn.....	" 3,754,931	3,247	2,340,313	2,217
Rubber and spandex yarn.....	" 250,286	726	255,337	735
Broadwoven fabrics purchased for further processing:				
Fabrics, Canadian (not made by reporting plant):				
Man-made containing filament yarns.....	sq. yd. 5,176,299	1,072	13,975,726	6,987
Other man-made fabrics.....	" 504,099	1,986	150,000	448
Fabrics, imported:				
Man-made containing filament yarns.....	" 6,781,593	3,440	3,381,683	1,606
Other man-made fabrics.....	" 1,287,351	620	243,542	141
Silk, wool and cotton fabrics (Canadian and imported).....	" 2,967,058	915	314,553	149
Oils.....	"	498	"	507
Chemicals and dyestuffs.....	"	43,062	"	52,277
All other materials and components used ¹	"	23,041	"	17,521
2. Containers and other packaging materials and supplies used.....		4,021		4,695
3. Operating, maintenance and repair supplies used (excluding fuel).....		12,065		13,634
4. Amount paid out to others for work done on materials owned by establishments.....		2,084		4,344
Totals.....		184,063		203,256

¹ No detailed information on materials used was collected from small establishments, the estimated costs for which are included here. These estimated costs were \$857,375 in 1964 and \$1,178,680 in 1965.

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

Description	1964		1965	
	Quantity	Value \$'000	Quantity	Value \$'000
1. Products:				
Broadwoven synthetic fabrics:				
Pile fabrics.....	sq. yd. 34,238,470	37,237	40,561,448	43,648
Apparel fabrics (except pile fabrics).....	" 147,864,199	92,562	161,888,886	97,353
All other fabrics ¹	"	8,781	"	8,401
Filament yarns (not thrown):				
Filament yarns thrown:	lb. 81,421,305	90,272	102,491,471	102,745
Stretch yarns.....	" 12,393,682	16,098	4,358,452	11,475
Textured yarns.....	" 2,843,440	7,922	3,396,739	9,112
Other thrown yarns.....	" 5,275,765	6,326	4,686,863	5,557
Spun yarns:				
Machine knitting.....	" 6,375,743	13,155	9,271,787	19,782
Weaving yarns and other yarns (except for knitting).....	" 16,590,218	11,798	10,501,532	8,650
Staple fibre and tow (except cigarette tow).....	" 55,803,878	23,627	70,988,191	27,986
Waste.....	" 9,199,252	2,692	12,220,284	2,913
All other products.....	"	61,601	"	35,525
2. Amount received in payment for work done on materials and products owned by others.....		1,779		3,209
Less: adjustment for value of sales taxes, excise duties and outward transportation charges which could not be deducted from individual commodity items described above.....		(1,198)		(2,515)
Total adjusted value of shipments and work done.....		372,653		373,842

¹ Includes broadwoven silk fabrics, broad elastic fabrics, all types; and knitted fabrics.

TABLE 14. Shipments of Selected Goods of Own Manufacture - All Industries, 1964 and 1965
(Includes shipments from other industries which manufacture, as a secondary activity, the commodities listed)

A. Broadwoven Synthetic Fabrics

Description	1964		1965 ^P	
	Quantity	Value	Quantity	Value
	sq. yds.	\$'000	sq. yds.	\$'000
Pile fabrics, furnishing and industrial fabrics and all non-apparel fabrics.....	35,938,037	40,335	42,278,328	46,658
Apparel fabrics (except pile fabrics):				
Wholly of filament yarns:				
Fabrics over 85% viscose and/or acetate rayon	77,209,031	34,825	63,409,200	26,929
Fabrics over 85% nylon	10,532,563	8,668	15,071,730	12,157
Fabrics over 85% polyester fibre	6,475,855	5,724	8,206,059	6,922
Other fabrics wholly of filament yarns				
Wholly of spun yarns (may contain cotton):				
Fabrics over 85% viscose and/or acetate rayon	23,359,596	16,180	35,937,390	21,394
Other spun yarn fabrics containing 40% or more polyester fibre	9,892,429	7,290	20,202,084	13,270
Other spun yarn fabrics				
Mixtures of filament and spun yarns:				
Fabrics over 85% viscose and/or acetate rayon	¹	¹	¹	¹
Filament yarn and cotton mixture fabrics	11,833,312	9,531	16,905,365	14,974
Other mixtures of filament and spun yarn fabrics	12,690,301	13,198	6,132,942	4,703
Total shipments	187,911,124	135,751	208,143,098	147,006

¹ Confidential: Included in the same category under "Wholly of spun yarns (may contain cotton)".

B. Broadwoven Synthetic Fabrics by Type and Construction

Description	1964				
	Viscose and/or rayon acetate over 85%	Nylon and nylon mixtures	Polyester and polyester mixtures	All other	Total
	square yards				
Dress fabrics.....	19,855,590	367,911	2,253,427	4,425,602	26,902,530
Lingerie fabrics	1,771,349	330,232	543,487	496,611	3,141,679
Lining fabrics	63,383,020	74,945	11,442	171,307	63,640,714
Neckwear fabrics	481,134	8,490,592	257,483	-	9,229,209
Other apparel fabrics	13,495,224	11,997,547	9,957,019	10,173,163	45,622,953
Pile fabrics	1,236,535	1,281,859	-	1,782,849	4,301,243
Upholstery, drapery and slip cover fabrics; except pile	10,822,047	614,317	362,779	7,864,051	19,663,194
Other furnishing and industrial fabrics	4,585,167	2,240,280	793,924	7,790,231	15,409,602
Totals	115,630,066	25,397,683	14,179,561	32,703,814	187,911,124
	1965				
Dress fabrics.....	23,903,653	¹	¹	¹	31,079,978
Lingerie fabrics	¹	¹	¹	¹	2,816,027
Lining fabrics	50,471,934	75,733	¹	¹	50,854,417
Neckwear fabrics	¹	¹	-	-	537,753
Other apparel fabrics	19,838,771	22,483,478	¹	¹	77,447,871
Pile fabrics	1,050,467	¹	-	¹	4,763,731
Upholstery, drapery and slip cover fabrics; except pile.....	11,542,840	¹	1,514,492	¹	24,133,892
Other furnishing and industrial fabrics	4,496,575	4,206,638	206,602	7,599,644	16,509,459
Totals	113,327,075	30,595,827	27,504,958	36,715,238	208,143,098

¹ Included in "Total".

TABLE 15. Total Yarns Spun,¹ Whether Produced for Own Use, for Sale or on Commission, 1965

Description	Quantity
	'000 lb.
Yarn spun:	
Wholly of cotton.....	2
Cotton blends.....	2
Wool mixtures.....	2
Wholly of one man-made fibre.....	16,575
Man-made fibre blends.....	8,134
All other yarns.....	13,068
Total	37,777

¹ Includes total yarn spun by the Synthetic Textile Mills industry only.
² Included in "All other yarns".

TABLE 16. Total Yarns Spun, in All Industries,¹ Whether Produced for Own Use, for Sale or on Commission, 1965

Description	Quantity
	'000 lb.
Yarn spun:	
Wholly of cotton.....	} 196,338
Cotton blends.....	
Wholly of wool.....	13,342
Wool mixtures.....	29,058
Wholly of one man-made fibre.....	} 34,719
Man-made fibre blends.....	
All other yarns (including mohair mixtures, alpaca, etc.).....	8,344
Total	281,801

¹ Includes total yarn spun by the Cotton Yarn and Cloth Mills, the Wool Mills, the Synthetic Textile Mills, and the Hosiery and Knitting Mills industries.

TABLE 17. Production of Staple Fibre and Tow (Except Cigarette Tow) - All Industries, 1965^P

Description	Quantity
	pounds
Staple fibre and tow (except cigarette tow).....	82,155,000

TABLE 18. Mechanical Equipment, 1965

	1965
	number
Spindles:	
Throwing.....	58,497
Winding.....	8,414
Doubling and twisting.....	69,666
Spinning.....	134,532
Re-drawing.....	3,470
Reeling.....	3,882
Cone winding.....	15,832
Quill winding.....	2,313
All other.....	23,489
Warpers.....	113
Cards.....	443
Slashers.....	42
Looms:	
40 inches and under.....	50
41-48 inches.....	419
49-56 inches.....	2,401
57 inches and over.....	3,343
Velvet.....	68
Jacquard machines in place on the above looms.....	384
Dobbies in place on the above looms.....	4,322
Braiding machines.....	6
Knitting machines.....	75
Stretchers.....	5

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
Nova Scotia:	
(Formex Co. of Canada Div.) Huyck Canada Ltd.	656 Park St., Kentville
Quebec:	
Associated Textiles of Canada Limited.....	2177 Masson St., Montreal
Associated Textiles of Canada Limited.....	St. Martin St., Louiseville
Bruck Mills Limited.....	Depot St., Cowansville
Bruck Mills Limited.....	100 Woodward Ave., Sherbrooke
Bruck Mills Limited.....	130 Grégoire St., St. Johns
Canadian Celanese Limited.....	Coaticook
Canadian Celanese Limited.....	Drummondville
Chemcell Fibres Ltd.....	550 Normandie Blvd., St-Jean
Collins & Aikman of Canada Ltd.....	Farnham
Consolidated Textiles Limited.....	949 Archambault, Joliette
Consolidated Textiles Limited.....	St. Hyacinthe
Dionne Spinning Mills Company.....	St. George West
Domil Ltd.....	Sherbrooke
Domil Ltd.....	4790 St. Ambrose St., Montreal
Doric Textile Mills Ltd.....	300 St. Louis, St. John's
Dow chemical of Canada Limited.....	Valley Road, Richmond
Dufresne Yarns Limited.....	Grand'mère
Duplan Textiles Limited.....	33-4th St., Montmagny
Grand'mère mills inc.....	BP 310-1101 - 8th Ave., Grand'mère
Hafner Fabrics of Canada Ltd.....	Racine St., Granby
Iberville Drapery Mills Limited.....	Iberville
Krinklon Ltd.....	1101 - th Ave., Grand'mère
La Salle Blanket Co. Ltd.....	Cap St-Ignace, Montmagny
Malibu Fabrics of Canada Ltd.....	353 Richmond St., Montreal
Mantex Ltd.....	201 St. Louis, St-Jean
Martin, J.B. Co. Ltd.....	445 St. James St., St-Jean
Montreal Throwing Co. Ltd.....	Jacqueline St., Rigaud
Moose River Mills Ltd.....	Acton Vale
Rayonese Textile Co. Ltd.....	680 Mgr. Dubois, St-Jérôme
Robinson Textiles Ltd.....	25A Monk St., Longueil
Rose-Tex Mills Ltd.....	416 St. Luc, Magog
Sauquoit Industries Ltd.....	185 St. Hubert, Granby
Templon Spinning Mills (Canada) Ltd.....	St. Henri & Laferté Sts., Drummondville
Textiles Phénix Ltée.....	St. Hyacinthe
Thor Mills Limited.....	110 Robinson St., Granby
Walnut Products Corp.....	38 Royal St., Farnham
Yamtex Corporation Ltd.....	550 Beaumont Ave., Montreal
Zephyr Textiles Limited.....	St. Paul St., Ormstown
Ontario:	
Barrday Ltd.....	51 Rose St., Galt
Bay Mills Ltd.....	St. Catharines
Bay Miles Ltd.....	Fourth St., Midland
Canadian Celanese Ltd.....	268 Grand River Ave., Brantford
Canadian Synthetic Fibres Ltd.....	Galt
Collins & Aikman of Canada Ltd.....	500 Ontario St., Stratford
Courtaulds (Canada) Limited.....	Montreal Rd., Cornwall
Dawbarn (Canada) Ltd.....	Brantford
Dobbie Industries Ltd. (Textured Yarn Div.).....	104 Water St. N., Galt
Dominion Rubber Co. Ltd. (Lindsay Plant).....	Hwy 7, By-pas, Lindsay
Dominion Silk Mills Limited.....	2 Mark St., Toronto 2
Du Pont Co. of Canada Ltd.....	Box 2100, Kingston
Fiberglas Canada Limited.....	247 York Rd., Guelph
Galtex Co. Ltd.....	Galt
Granatslein, M. & Sons Ltd.....	488 Wellington St. W., Toronto
La France Textiles Canada Ltd.....	611 Dundas St., Woodstock
Lancaster Weaving Mills Ltd.....	130 Birch St., Kitchener
Lincoln Fabrics Ltd.....	63 Lakeport Rd., Port Dalhousie Ward, St. Catharines
Millhaven Fibres Ltd.....	Millhaven
Pikor Fabrics.....	Dunnville
Polytex Industries Ltd.....	120 Eglinton Ave. E., Toronto
Riverside Yarns Limited.....	15 Melville St., Galt
Rontex Ltd.....	35 Water St. S., Galt
Square C. Textiles Ltd.....	Alexandria
Alberta:	
(Canadian Celanese Co. Div.) Chemcell (1963) Ltd.....	Box 99, Edmonton

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 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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