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SYNTHETIC TEXTILES AND SILK INDUSTRY

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NOTICE

The annual reports prepared by the Industry and Merchandising Division of the Bureau of Statistics are divided into 3 volumes, as follows: **Volume I** - The Primary Industries, including mining, forestry and fisheries; **Volume II** - Manufacturing; **Volume III** - Merchandising and Services. The volumes are made up of parts, and the parts in turn are subdivided according to the industries or provinces which they comprise.

Volume II consists of the following parts, the first two of which deal with manufacturing as a whole and the balance with the major manufacturing groups.

- I - General Review of the Manufacturing Industries, \$1.50
- II - The Manufacturing Industries of Canada, (7 sections, as follows:)
 - Section A. Summary for Canada, 25¢
 - Section B. Atlantic Provinces, 50¢
 - Section C. Quebec, 25¢
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- III - Foods and Beverages
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- XIX - Miscellaneous Manufactures

The present report belongs in Part VII, Textile Mills. It is punched to permit of filing in a ring binder along with others of the group. The reports in this group are:

- A - General Review, 25¢
- B - The Cotton Textile Industries, 25¢
- C - The Wool Textile Industries, 25¢
- D - The Synthetic Textiles and Silk Industry, 25¢
- E - The Narrow Fabrics Industry, 25¢
- F - The Dyeing and Finishing of Textile Goods Industry, 25¢
- G - The Awning, Tent and Sail Industry, 25¢
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SYNTHETIC TEXTILES AND SILK INDUSTRY

1956

The synthetic textile and silk industry has two branches. The first is comprised of establishments which produce synthetic filament yarns and staple fibres while the second consists of spun yarn and fabric manufacturers. The establishments in the first branch are too few and their activities too varied to permit a separate, detailed statistical analysis without divulging particulars of individual establishments. Although comprised of only seven concerns, this section of the industry in 1956 accounted for 49 per cent of the industry's employment and 59 per cent of its factory shipments. Production of textile filament yarn by the seven firms in the year under review amounted to 37,801,148 pounds. The production of tire yarn and staple fibre by this branch of the industry cannot be published because the preponderance of several establishments would result in disclosure of individual data.

Factory shipments totalling \$161,161,495 in value were reported by the industry in the year under review. This represents a slight increase of \$1,927,787 or 1.2 per cent over the preceding year's \$159,233,708. Employees numbered 15,694, up narrowly over the 15,408 in 1955. Their earnings rose by 4.7 per cent to \$49,115,583 from \$46,927,250 in the earlier year. Materials used in manufacture cost \$76,492,980 in 1956 compared with \$69,895,625 in 1955, an increase of 9.4 per cent.

There was a slight reduction in shipments of woven fabrics by the synthetic textile industry in 1956. A total of 96,695,576 lineal yards worth \$64,511,571 was shipped compared with 97,840,387 yards valued at \$64,986,302 a year earlier. Major contributor to the decline was all spun rayon fabrics deliveries of which fell from 23,975,721 yards in 1955 to 19,631,686 yards in 1956. Increased shipments were reported for both continuous filament rayon and continuous filament nylon fabrics, the shipments of these totalling 42,881,241 and 5,998,568 yards, respectively, in the later year compared with 39,986,864 and 4,207,674 yards, respectively, in the earlier. Deliveries of knitted fabrics at 3,681,035 pounds were also ahead of the 2,930,687 pounds reported for 1955. Further detail of factory shipments is to be found in Table 4. In Table 4(a) the 96,695,576 yards of woven fabrics shipped by the industry in 1956 are classified further according to construction. Ranking first are dress fabrics with 31,542,235 yards or 33 per cent of total.

In a highly competitive market the price of rayon fabrics declined somewhat whereas the price of rayon yarns managed a modest increase. The Bureau's monthly wholesale price index (1935-39=100) averaged 154.4 for fabric and 170.2 for yarn as against 155.7 and 166.0, respectively, in 1955.

Rayon staple fibre continues as the industry's main material although its consumption was down slightly to 20,370,992 pounds in 1956 from 20,919,494 pounds in 1955. The use of continuous filament rayon amounted to 9,897,549 pounds, down from 10,745,957 pounds the year before. The decrease was due entirely to a contraction in the use of acetate rayon from 6,275,880 pounds to 5,230,180 pounds there being a slightly expanded use of bemberg and viscose. The use of nylon yarn decreased from 2,462,088 pounds to 2,033,809 pounds and cotton from 2,368,062 pounds to 2,295,257 pounds over the two years. The cost of chemicals and dyestuffs rose from \$10,691,949 in 1955 to \$12,293,106 in the year under review.

A total of \$44,883,740 worth of silk and synthetic fibres, yarns and piece goods were imported in 1956 compared with \$41,140,403 in 1955. Woven fabrics accounted for almost half of this total. These were imported to the extent of 8,963,388 yards valued at \$20,853,472 which compares with 8,670,797 yards valued at \$20,401,540 in 1955. Imports of staple fibre were down in quantity but up in value over the previous year being 8,298,642 pounds worth \$5,778,760 in 1956 as against 9,296,490 pounds worth \$4,371,668 the year before. Takings of synthetic yarn for tire fabric totalled 6,022,308 pounds valued at \$3,499,316, up considerably over the 4,278,392 pounds worth \$2,546,526 taken in 1955. A total of \$1,256,574 worth of narrow woven fabrics were brought into Canada in 1956, which compares with \$1,127,551 worth a year earlier.

Capital investment in the industry continues at a high level due largely to improved techniques of production and quality of products. Total capital, repair and maintenance expenditures in 1956 amounted to \$20,414,000, \$17,219,000 of which went for machinery and equipment. The balance of \$3,195,000 was for construction.

TABLE 1. Principal Statistics, Representative Years, 1932 to 1956

Year	Estab- lish- ments	Em- ployees	Salaries and wages	Cost at factory of fuel and electricity	Cost at factory of materials used	Value added by manufacture	Gross value of production ¹
	No.	No.	\$	\$	\$	\$	\$
1932	24	7,036	5,756,865	649,568	7,858,104	11,357,171	19,864,843
1935	33	10,088	8,371,037	931,738	10,946,739	16,166,863	28,045,340
1937	29	10,246	9,099,437	1,010,714	10,453,196	16,407,382	27,871,292
1938	28	8,922	8,147,841	967,471	8,882,157	14,022,354	23,871,992
1939	26	8,221	7,972,404	1,018,749	9,872,472	14,549,306	25,440,527
1940	27	8,512	8,757,474	1,253,444	11,662,908	18,291,457	31,207,809
1941	30	10,140	11,005,770	1,483,599	15,855,842	24,210,404	41,549,845
1942	33	11,088	13,039,579	1,601,270	18,339,710	28,114,577	48,055,557
1943	33	10,920	13,714,158	1,709,918	19,454,469	29,275,701	50,440,088
1944	32	11,315	14,963,589	1,879,722	19,824,898	30,662,737	52,367,357
1945	33	11,950	16,187,441	1,826,504	20,198,948	33,093,161	55,118,613
1946	36	13,100	18,890,121	1,870,932	24,099,473	39,550,662	65,521,067
1947	40	14,728	24,284,463	2,400,525	32,659,919	49,809,478	84,869,922
1948	45	16,097	30,738,856	3,012,713	41,178,371	62,950,746	107,141,830
1949	48	16,828	36,121,584	3,329,258	45,217,912	75,578,244	124,125,414
1950	47	17,955	40,111,600	3,766,267	55,518,508	87,763,220	147,047,995
1951	46	17,997	44,693,738	4,031,711	66,040,725	96,477,461	166,549,897
1952	48	15,723	42,708,505	3,844,252	63,780,047	90,004,216	157,628,515
1953	47	15,723	43,939,105	3,894,586	63,938,444	78,585,277 ²	146,418,307
1954	46	13,662	40,628,143	3,538,057	57,081,320	69,984,772	132,403,283
1955							
Canada	48	15,408	46,927,250	4,428,219	69,895,625	86,031,246	159,233,708
Quebec	33	10,429	29,632,672	1,987,647	41,430,055	41,856,787	84,443,585
Ontario, New Brunswick and Alberta	15	4,979	17,294,578	2,440,572	28,465,570	44,174,459	74,790,123
1956							
Canada	47	15,694	49,115,583	4,874,589	76,492,980	79,629,177	161,161,495
Quebec	32	10,178	29,729,378	2,170,766	40,963,469	38,708,115	83,436,694
Ontario, New Brunswick and Alberta	15	5,516	19,386,205	2,703,823	35,529,511	40,921,062	77,724,801

¹ Beginning with 1953 the value of factory shipments has been collected instead of the gross value of production.

² Because of insufficient inventory data in 1953, this figure has been calculated from value of factory shipments and is therefore, only approximate to true "Value added by manufacture".

Note: Profits or losses cannot be estimated from Census figures as no data are collected for certain expense items, such as, interest, rent, depreciation, taxes, insurance, advertising, etc.

TABLE 2. Comparison of Principal Statistics, 1955 and 1956

Items	1955	1956	+ Increase -Decrease
Establishments reporting No.	48	47	- 1
Supervisory and office employees:			
Total No.	3,846	3,976	+ 130
Male "	2,669	2,775	+ 106
Female "	1,177	1,201	+ 24
Total salaries \$	15,890,590	17,110,768	+1,220,178
Production workers:			
Monthly average No.	11,562	11,718	+ 156
Male "	8,828	8,976	+ 148
Female "	2,734	2,742	+ 8
Total wages \$	31,036,660	32,004,815	+ 968,155
Cost of fuel and electricity \$	4,428,219	4,874,589	+ 446,370
Cost of materials used \$	69,895,625	76,492,980	+6,597,355
Value of factory shipments \$	159,233,708	161,161,495	+1,927,787

TABLE 3. Inventories¹, 1956

	Raw materials and supplies	Goods in process	Finished goods of own manufacture	Total
	\$	\$	\$	\$
Opening ² :				
Quebec	6,899,308	9,792,168	10,095,426	26,786,902
Ontario, New Brunswick and Alberta	4,040,488	1,808,393	5,012,838	10,861,719
Canada	10,939,796	11,600,561	15,108,264	37,648,621
Closing:				
Quebec	7,017,834	9,749,128	8,544,122	25,311,084
Ontario, New Brunswick and Alberta	4,730,593	2,031,242	6,219,584	12,981,419
Canada	11,748,427	11,780,370	14,763,706	38,292,503

¹ Book value of all manufacturing inventories held at plant and plant warehouses.

² The opening inventory for 1956 differs from the closing inventory published for 1955 because of the inclusion of new firms and the removal of figures for firms which did not operate during 1956.

TABLE 4. Factory Shipments, 1955 and 1956

Principal products	1955		1956	
	Quantity	Selling value at factory	Quantity	Selling value at factory
		\$		\$
Woven fabrics ¹ :				
All silk and mixtures containing silk	yd. 462,207	391,180	1,055,458	1,101,989
All continuous filament synthetic yarn:				
Rayon	" 39,986,864	21,689,396	42,881,241	22,595,177
Nylon	" 4,207,674	2,970,670	5,998,568	3,782,412
All spun rayon	" 23,975,721	15,706,076	19,631,686	13,042,437
All cotton	" 869,653	904,708	577,215	444,292
Mixtures of continuous filament rayon and spun rayon	" 6,130,297	4,726,043	6,934,627	5,870,282
Mixtures of continuous filament rayon and cotton	" 7,182,406	4,804,189	5,999,635	4,435,311
Mixtures of spun rayon and cotton	" 966,240	971,155	1,305,516	1,070,194
Mixtures of rayon and wool	" 343,154	486,791	213,658	294,425
All other woven fabrics	" 13,716,171	12,336,094	12,097,972	11,875,052
Knitted fabrics	lb. 2,930,687	4,078,322	3,681,035	4,408,364
Yarn and thread:				
Synthetic singles	lb. 42,334,201	47,881,179	42,647,384	46,497,693
Rayon, thrown	" 2,360,280	1,973,537	2,290,942	1,960,463
Nylon, thrown	" 1,931,512	5,800,007	743,156	2,088,228
Other, thrown	" 4,848,487	3,672,642	3,532	81,592
Spun rayon, including mixtures	" 4,232,705	4,338,492	6,109,880	4,425,445
All other yarns	" —	879,066	6,171,022	7,455,757
All other threads	" —	—	—	1,696,270
Waste	lb. 1,737,810	520,232	2,050,493	605,490
All other products	—	19,484,994	—	23,953,128
Custom and commission work	—	5,618,935	—	3,477,494
Total factory shipments	—	159,233,708	—	161,161,495

¹ For breakdown of woven fabrics by construction see Table 4A.

² Included in "Other yarn, thrown".

Note: The items of production enumerated in the above table do not necessarily represent the entire output for the Dominion, as some of them are also manufactured in other industries, particularly in the Cotton Yarn and Cloth Industry. For the total Canadian production of broad woven synthetic fabrics see Table 6.

TABLE 4 (a). Woven Fabrics by Type and Construction, 1956

	Rayon - filament and spun including mixtures	Nylon - filament and spun including mixtures	All other	Total
	yds.	yds.	yds.	yds.
Dress fabrics.....	24, 203, 638	4, 059, 147	3, 279, 450	31, 542, 235
Lingerie fabrics	10, 096, 536	807, 385	202, 476	11, 106, 397
Lining fabrics	16, 161, 628	54, 800	42, 762	16, 259, 190
Neckwear fabrics	3, 500, 765	198, 649	344, 035	4, 043, 449
Draperies, damask, tapestries and other upholstering fabrics	3, 475, 691	23, 238	2, 228, 100	5, 727, 029
Other furnishing fabrics.....	1, 213, 587	27, 682	680, 770	1, 922, 039
Other fabrics	20, 572, 112	1, 623, 694	3, 899, 431	26, 095, 237
Total	79, 223, 957	6, 794, 595	10, 677, 024	96, 695, 576

TABLE 5. Materials Used, 1955 and 1956

Principal materials	1955		1956	
	Quantity	Cost value at factory	Quantity	Cost value at factory
	lbs.	\$	lbs.	\$
Silk, raw	¹	¹	23, 145	61, 544
Rayon staple fibre	20, 919, 494	7, 151, 763	20, 370, 992	6, 920, 355
Wool tops	415, 977	640, 106	336, 140	492, 131
Nylon staple fibre.....	¹	¹	¹	¹
Other raw stock	—	8, 242, 099	—	8, 137, 396
Yarns:				
Silk, real	29, 862	115, 979	25, 477	148, 848
Synthetic (continuous filament):				
Acetate rayon.....	6, 275, 880	5, 358, 668	5, 230, 182	4, 368, 295
Bemberg	67, 316	97, 554	120, 545	196, 009
Viscose rayon	4, 402, 761	3, 972, 898	4, 546, 822	3, 879, 677
Spun silk	²	²	—	—
Spun rayon (including spun rayon mixtures)	6, 358, 380	3, 903, 495	4, 655, 685	3, 193, 893
Nylon	2, 462, 088	5, 469, 783	2, 033, 809	4, 623, 662
Cotton.....	2, 368, 062	2, 011, 561	2, 295, 257	2, 305, 314
Worsted.....	²	²	²	²
All other	3, 045, 530	3, 528, 591	3, 259, 922	5, 569, 526
Chemicals and dyestuffs	—	10, 691, 949	—	12, 293, 106
All other materials and supplies	—	13, 216, 961	—	18, 584, 675 ³
Custom processing charges.....	—	4, 042, 366	—	4, 401, 019
Packing and shipping materials	—	1, 451, 852	—	1, 317, 530
Total cost of materials used.....	—	69, 895, 625	—	76, 492, 980

¹ Included in "Other raw stock".² Included in "All other yarns".³ Includes operating, maintenance and repair supplies.

TABLE 6. Broad Woven Synthetic Fabrics in all Industries. Production, 1951 and 1952 Shipments, 1953- 1956

Year	Fabrics of continuous filament synthetic yarn		All spun rayon		Mixtures of continuous filament rayon and spun rayon	
	yds.	\$	yds.	\$	yds.	\$
1951	81,459,286	56,759,108	19,543,992	16,382,296	6,177,393	6,766,437
1952	70,646,867	50,488,653	20,762,493	17,637,138	4,427,276	3,879,629
1953	66,250,003	44,452,528	20,029,155	15,083,860	4,443,023	4,002,444
1954	46,759,691	30,446,770	19,142,700	13,946,523	4,317,172	3,444,425
1955	51,585,886	30,675,439	23,975,721	15,706,076	6,130,297	4,726,043
1956	52,699,580	29,322,048	19,631,686	13,042,437	6,934,627	5,870,282
	Mixtures of continuous filament rayon and cotton		Mixtures of spun rayon and cotton		Other synthetic textile fabrics	
	yds.	\$	yds.	\$	yds.	\$
1951	3,240,940	3,179,082	1,817,387	1,742,195	2,890,415	3,342,907
1952	1,746,293	1,656,126	2,121,758	2,311,248	1,393,789	1,416,468
1953	2,742,237	2,140,151	1,559,688	1,585,330	4,672,976	4,841,245
1954	6,603,321	4,087,610	982,114	1,054,031	4,637,784	4,182,093
1955	7,777,262	5,111,586	1,037,554	1,073,847	6,398,283	6,486,554
1956	6,789,513	5,627,716	1,309,833	1,072,768	8,690,759	9,457,714

TABLE 7. Imports of Silk and Synthetic Fibres, Yarns and Piece Goods

	1955		1956		
	Quantity	Value	Quantity	Value	
		\$		\$	
Silk:					
Raw silk and cocoons, not degummed	lb.	53,484	241,274	30,060	135,215
Garnetted silk wastes, waste fabric and silk wastes, n.o.p. not including remnants nor mill ends	"	20,898	26,102	17,254	28,983
Yarn, thread, cord and twist.....	-	-	11,665	-	16,953
Bolting cloth, not made up	-	-	134,493	-	142,574
Knitted fabrics, silk.....	lb.	63	1,219	46	242
Woven fabrics, silk, in the gum, not less than 20 inches in width, to be dyed and finished in Canada.....	yd.	27,614	7,198	40,005	9,405
Woven fabrics, silk, not to contain wool, not including fabrics in chief part by weight of synthetic yarn n.o.p.	"	1,030,161	1,571,122	2,094,107	2,690,407
Woven fabrics, silk, 26 inches in width or less, n.o.p.	"	3,726	12,008	4,424	12,467
Woven fabrics with cut pile, whether or not coated or impregnated, wholly or in part of silk or synthetic yarn, but not containing wool, n.o.p.	"	239,062	532,895	336,926	932,296
Woven fabrics, not exceeding 12 inches in width, ribbons, silk	-	-	26,675	-	44,479
Woven fabrics, not made in Canada, silk or synthetic yarn in the web, in lengths of not less than 5 yards for neckties, scarves and mufflers.....	-	-	2,111,537	-	2,143,092
Umbrella covering fabrics, not made in Canada, with hemmed selvages, when imported in lengths of not less than ten yards each for umbrellas	-	-	320,767	-	253,292

TABLE 7. Imports of Silk and Synthetic Fibres, Yarns and Piece Goods - Concluded

	1955		1956	
	Quantity	Value	Quantity	Value
		\$		\$
Synthetic textiles:				
Loose fibres in staple lengths, wholly of synthetic fibre, not more advanced than in the form of sliver, for the manufacture of spun yarns	lb. 9, 296, 490	4, 371, 668	8, 298, 642	5, 778, 760
Synthetic fibre tops	724, 618	495, 709	799, 083	673, 264
Garnetted material and waste portions of unused fabrics, filaments and loose fibres, n.o.p., not to include remnants nor mill ends	" 2, 212, 210	1, 958, 136	1, 450, 542	805, 139
Yarns, synthetic, acetate, singles, not coloured, not more than seven turns to the inch	" 53, 104	45, 135	83, 647	61, 733
Yarns, synthetic, singles, n.o.p., not coloured, not more than seven turns to the inch	" 262, 627	231, 026	327, 926	249, 749
Yarns, threads, cords, or twist, synthetic, and yarns synthetic covered with metallic strip, produced from cellulose acetate	" 335, 435	442, 053	472, 685	590, 056
Yarns, threads, cords or twist, synthetic, and yarns synthetic, covered with metallic strip, n.o.p.	" 1, 759, 795	2, 638, 415	1, 762, 842	2, 479, 238
Yarns, synthetic, not coloured, for cut pile fabrics	" -	-	381	1, 609
Yarns, of synthetic fibres, produced from polyamides (nylon)	" 328, 228	999, 649	262, 317	765, 636
Yarns, synthetic, for tire fabric	" 4, 278, 392	2, 546, 526	6, 022, 308	3, 499, 316
Knitted fabrics of synthetic yarn	" 297, 313	886, 040	532, 469	1, 459, 674
Woven fabric of synthetic yarn, not to contain wool, not including fabrics in chief part by weight of silk, n.o.p.	" 8, 670, 797	20, 401, 540	8, 963, 388	20, 853, 472
Woven fabrics, of synthetic yarn, not exceeding twelve inches in width, generally known as ribbons	" -	1, 127, 551	-	1, 256, 574
Total	-	41, 140, 403	-	44, 883, 740

TABLE 8. Exports of Synthetic Yarn and Fabrics

	1955		1956	
	Quantity	Value	Quantity	Value
	yds.	\$	yds.	\$
Synthetic thread and yarn	-	2, 649, 839	-	1, 874, 664
Fabrics of synthetic yarn	1, 323, 152	908, 964	1, 433, 599	1, 104, 216

TABLE 9. Employees and their Earnings, by Provinces, 1955 and 1956

	Average number					Earnings		
	Supervisory and office employees		Production workers		Total	Supervisory and office employees	Production workers	Total
	Male	Female	Male	Female				
	No.	No.	No.	No.	No.	\$	\$	\$
1955								
Quebec	1, 847	859	5, 918	1, 805	10, 429	11, 064, 545	18, 568, 127	29, 632, 672
Ontario, New Brunswick and Alberta	822	318	2, 910	929	4, 979	4, 826, 045	12, 468, 533	17, 294, 578
Canada	2, 669	1, 177	8, 828	2, 734	15, 408	15, 890, 590	31, 036, 660	46, 927, 250
1956								
Quebec	1, 795	875	5, 669	1, 839	10, 178	11, 586, 633	18, 142, 745	29, 729, 378
Ontario, New Brunswick and Alberta	980	326	3, 307	903	5, 516	5, 524, 135	13, 862, 070	19, 386, 205
Canada	2, 775	1, 201	8, 976	2, 742	15, 694	17, 110, 768	32, 004, 815	49, 115, 583

TABLE 10. Monthly Employment of Production Workers, 1955 and 1956

	1955			1956		
	Male	Female	Total	Male	Female	Total
	number					
January	8,497	2,571	11,068	9,395	2,925	12,320
February	8,569	2,574	11,143	9,451	2,928	12,379
March	8,604	2,610	11,214	9,390	2,891	12,281
April	8,629	2,700	11,329	9,252	2,811	12,063
May	8,634	2,667	11,301	9,128	2,740	11,868
June	8,657	2,658	11,315	9,000	2,721	11,721
July	8,721	2,690	11,411	8,948	2,685	11,633
August	8,945	2,787	11,732	8,634	2,550	11,184
September	9,011	2,776	11,787	8,494	2,597	11,091
October	9,184	2,887	12,071	8,488	2,591	11,079
November	9,205	2,914	12,119	8,740	2,723	11,463
December	9,325	2,943	12,268	8,781	2,693	11,474
Monthly average	8,828	2,734	11,562	8,976	2,742	11,718

TABLE 11. Size of Establishments, 1955 and 1956

Establishments with factory shipments of	Establishments	Employees	Salaries and wages	Cost of materials used	Value of factory shipments
	No.	No.	\$	\$	\$
1955					
Under \$25,000	5	76	165,329	247,284	189,231
\$25,000 to under \$100,000					
\$100,000 to under \$500,000					
\$500,000 to under \$1,000,000					
\$1,000,000 to under \$5,000,000					
\$5,000,000 and over	7	9,490	29,021,712	45,270,137	114,791,383
Head offices	—	1,139	5,137,517	—	—
Total	48	15,408	46,927,250	69,895,625	159,233,708
1956					
Under \$25,000	—	—	—	—	—
\$25,000 to under \$100,000	9	299	707,040	1,305,624	2,475,980
\$100,000 to under \$500,000					
\$500,000 to under \$1,000,000					
\$1,000,000 to under \$5,000,000					
\$5,000,000 and over	6	9,197	29,060,024	45,260,436	107,268,152
Head offices	—	1,105	5,461,791	—	—
Total	47	15,694	49,115,583	76,492,980	161,161,496

TABLE 12. Estimated Capital, Repair and Maintenance Expenditures, 1946-1956

Year	Capital expenditures			Repair and maintenance expenditures			Capital, repair and maintenance expenditures		
	Construction	Machinery and equipment	Sub-total	Construction	Machinery and equipment	Sub-total	Construction	Machinery and equipment	Total
	thousands of dollars								
1946.....	4,237	7,720	11,957	3,805	—	3,805	8,042	7,720	15,762
1947.....	5,644	12,090	17,734	494	3,424	3,918	6,138	15,514	21,652
1948.....	2,089	11,288	13,375	704	4,080	4,784	2,793	15,366	18,159
1949.....	1,676	10,026	11,702	512	4,848	5,360	2,188	14,874	17,062
1950.....	1,921	7,209	9,130	729	5,382	6,111	2,650	12,591	15,241
1951.....	4,158	13,350	17,508	808	5,686	6,494	4,966	19,036	24,002
1952.....	2,738	11,529	14,267	590	4,657	5,247	3,328	16,186	19,514
1953.....	4,556	9,005	13,561	622	5,263	5,885	5,178	14,288	19,446
1954.....	5,171	14,795	19,966	534	4,628	5,162	5,705	19,423	25,128
1955.....	2,705	9,154	11,859	779	5,856	6,635	3,484	15,010	18,494
1956.....	2,758	10,833	13,591	437	6,386	6,823	3,195	17,219	20,414

TABLE 13. Mechanical Equipment, 1955 and 1956

	1955	1956
	No.	No.
Spindles:		
Throwing.....	120,858	96,882
Winding.....	21,746	15,772
Doubling and twisting.....	62,416	103,866
Spinning.....	195,150	183,469
Re-drawing.....	5,409	8,122
Reeling.....	764	1,962
Cone winding.....	18,984	17,071
Quill winding.....	8,170	7,507
All other.....	14,348	21,239
Warpers.....	1,166	1,915
Slashers.....	69	65
Cards.....	515	540
Looms:		
40 inches and under.....	6	3
41-48 inches.....	631	692
49-56 inches.....	2,671	2,249
57 inches and over.....	2,840	2,760
Velvet.....	68	76
Ribbon.....	—	—
Jacquard machines in place on the above looms.....	114	215
Dobbies in place on the above looms.....	5,134	3,390
Knitting machines.....	37	17
Braiding machines.....	4	6
Stretchers.....	21	22

TABLE 14. Consumption of Fuel and Electricity, 1953 and 1956

Kinds of fuel	1953		1956	
	Quantity	Cost value at factory	Quantity	Cost value at factory
		\$		\$
Bituminous coal ton	165,903	1,911,012	187,854	2,105,050
Anthracite coal "	2,952	38,425	914	13,201
Gasoline (including gasoline used in cars and trucks) Imp. gal.	36,521	14,058	59,297	23,487
Kerosene or coal oil "	1,601	424	1,130	260
Fuel oil "	6,732,153	638,862	8,364,675	1,042,306
Other fuel -	-	6,027	-	115,628
Total cost of fuel -	-	2,608,808	-	3,299,932
Electricity purchased (including service charges) kwh.	187,473,594	1,285,778	235,793,882	1,574,657
Total cost of fuel and electricity -	-	3,894,586	-	4,874,589

List of Establishments in the Synthetic Textiles and Silk Industry, 1956

Name	Address
New Brunswick:	
Milltown Textile Co-operative	Milltown
Quebec:	
Associated Textiles of Canada, Limited	Louiseville
"Aux Tissages Français" Inc.	7260 St. Urbain St., Montreal
Belding-Corticelli Limited	Richelleu St., St. Johns
Bruck Mills Limited	Cowansville
Bruck Mills Limited	100 Woodward Ave., Sherbrooke
Bruck Throwing Co. Ltd.	130 Grégoire St., St. Johns
Canadian Celanese Limited	Drummondville
Canadian Celanese Limited	Sorel
Canadian Chemical Co. Ltd. (yarn processing)	St-Jean
Coaticook Textiles Limited	4060 St. Lawrence Blvd., Montreal
Consolidated Textiles Limited	Jollette
Consolidated Textiles Limited	St. Hyacinthe
Dionne Spinning Mills Company	St. George, West
Domil Ltd.	Sherbrooke
Dominion Thread Mills	134 McGill St., Montreal
Doric Textiles Mills Ltd.	St. Johns
Duplan of Canada Ltd.	Montmagny
Forestier Ltée, Lucien	2162 rue St. Laurent, Plessisville
Hafner Fabrics of Canada (1954) Ltd.	St. Charles & Racine Sts., Granby
Iberville Drapery Mills Limited	64th Avenue, Iberville
Mallbu Fabrics of Canada Ltd.	1555 MacKay St., Montreal
Martin Company Limited, J.B.	445 St. James St., St. Johns
Mattawin Textiles Ltd.	1701 Third Ave., Grand'mère
Rayflex Fabrics of Canada, Ltd.	628 Heriot St., Drummondville



List of Establishments in the Synthetic Textiles and Silk Industry, 1956 - Concluded

Name	Address
Quebec - concluded:	
Rayonese Textile Co. Ltd.	Ste-Rose
Richmond Plastics Ltd.	P.O. Box 920, Richmond
Rose-Tex Fabrics	1449 St. Alexander St., Montreal
Sauquoit Ltd.	Granby
Thor Mills Limited	Granby
Warshow H. & Sons (Canada) Ltd.	4060 St. Lawrence Blvd., Montreal
Wesley A. Mason & Son Ltd.	Granby
Zephyr Textiles Limited	Ormstown
Ontario:	
Bay Mills, Ltd.	Fourth & Victoria Sts., Midland
Canadian Industries Limited	Millhaven
Canadian Synthetic Fibres Ltd.	35 Water St., Galt
Courtaulds (Canada) Limited	Cornwall
Dominion Silk Mills Limited	2 Mark St., Toronto 2
Dupont of Canada Ltd.	Kingston
Fiberglass Canada Limited	Guelph
Galtex Limited	St. Andrews St., Galt
Lincoln Fabrics Ltd.	Port Dalhousie
National Weaving Ltd.	Dunnville
Riverside Silk Mills Limited	Melville St., Galt
Slingsby Manufacturing Company, Limited	Grand River Ave., Brantford
Alberta:	
Canadian Chemical Co. Ltd.	Edmonton
Peace River Glass Co. Ltd.	Fort Saskatchewan