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CANADA

# SYNTHETIC TEXTILES AND SILK INDUSTRY

## 1953

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**DOMINION BUREAU OF STATISTICS**  
Industry and Merchandising Division  
Textiles and Miscellaneous Products Section

800-48

**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, 25¢
  - Section C. Quebec, 25¢
  - Section D. Ontario, 25¢
  - Section E. Prairie Provinces, 25¢
  - Section F. British Columbia, 25¢
  - Section G. The Manufacturing Industries of Canada, Regional Distribution, 75¢
- III—Foods and Beverages
- IV—Tobacco and Tobacco Products
- V—Rubber Products
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- VII—Textiles
- VIII—Wood and Paper Products
- IX—Printing Trades
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- XI—Transportation Equipment
- XII—Non-ferrous Metal Products
- XIII—Electrical Apparatus and Supplies
- XIV—Non-metallic Mineral Products
- XV—Products of Petroleum and Coal
- XVI—Chemicals and Allied Products
- XVII—Miscellaneous Manufactures

The present report belongs in Part VII, Textiles. 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 of All Textiles, 25¢

**Textile Mills**

- B—General Review, 25¢
- C—The Cotton Textile Industries, 25¢
- D—The Wool Textile Industries, 25¢
- E—The Synthetic Textiles and Silk Industry, 25¢
- F—The Narrow Fabrics Industry, 25¢
- G—The Dyeing and Finishing of Textile Goods Industry, 25¢
- H—The Awning, Tent and Sail Industry, 25¢
- I—The Cordage, Rope and Twine Industry, 25¢
- J—The Cotton and Jute Bag Industry, 25¢
- K—The Miscellaneous Textiles Industries, 25¢

**Knitting Mills**

- L—The Hosiery and Knitted Goods Industries, 25¢

**Clothing**

- M—General Review, 25¢
- N—The Men's Factory Clothing Industry, 25¢
- O—The Women's and Children's Factory Clothing Industries, 25¢
- P—The Corset Industry, 25¢
- Q—The Fur Goods and Fur Dressing Industries, 25¢
- R—The Hat and Cap Industry, 25¢
- S—The Miscellaneous Clothing Industries, 25¢

# SYNTHETIC TEXTILES AND SILK INDUSTRY

1953

Commencing with 1953 the value of factory shipments f.o.b. plant has been collected in place of gross value of production for the Synthetic Textiles and Silk industry. This is in line with a decision taken by the Bureau to convert from a gross value of production to a gross value of shipments approach in its annual survey of manufacturing. The changeover is expected to provide increased ease in reporting for the majority of plants while at the same time producing more reliable, more meaningful statistics in many cases.

The factory shipments made by the Synthetic Textiles and Silk industry had a value f.o.b. plant of \$146,418,307. Taking into account the finished goods inventory change for the year which was an increase of \$6,348,000, it would appear that the actual production was somewhat less than the \$157,628,515 gross value of production reported in 1952. There was no fluctuation in the employment level of the industry for 1953. Total employment at 15,723 was exactly the same as the total reported the year before. Salaries and wages at \$43,939,105 were up slightly from the \$42,708,505 reported in 1952. The industry's cost of materials remained steady with \$63,938,444 being reported in 1953 compared with \$63,780,047 the previous year.

It should be remembered that the synthetic textile industry has two branches; first, the filament yarn and staple fibre producers and second, the weavers or fabric producers. For both branches the year 1953 was one of relative stability with a slight decline noticeable toward the year end. In the face of reduced demand the primary producers were obliged to make a cutback in the output of filament yarn and staple fibre while the fabric producers made every effort to maintain their position by the use of advanced styling, active merchandising, operating economies and lowered prices. An indication of this lower price structure can be found in the index of rayon fabric prices, taking 1935-39 as 100, which averaged 184.5 in 1952 and was down to 160.3 in December of 1953.

In 1953 the industry shipped 96,397,093 yards of woven fabrics worth \$72,222,993 as against 103,941,827 yards produced in 1952 with a value of \$83,908,135. Continuous filament rayon fabric accounted for 55,325,883 yards or 57 per cent of total shipments while fabrics of spun rayon were 20,029,155 yards or 21 per cent. Shipments of continuous filament nylon fabric were 7,037,238 yards and spun rayon mixtures amounted to 6,732,794 yards. There were 3,557,641 pounds of knitted fabrics shipped in 1953.

While the total value of materials used in 1953 was practically the same as in the previous year,

quite significant changes occurred in some of the component items. The consumption of continuous filament rayon yarn advanced from 11,579,324 pounds in 1952 to 12,745,123 pounds in the year under review. The amount of rayon staple fibre used in 1953 was 16,491,292 pounds, an increase over the 14,240,551 pounds reported in 1952. Although the quantity of spun rayon yarn used remained about the same with 4,761,385 pounds in 1953 compared with 4,811,794 pounds in 1952, the cost of this item declined sharply with the 1953 dollar value listed as \$2,488,199 as against \$4,156,266 for 1952. Consumption of nylon yarn fell to 1,598,189 pounds in 1953 from 1,850,954 pounds the previous year. Reflecting the decline in the output of blended fabrics the amounts of cotton yarn and wool tops used were down over the two years. Cotton yarn declined to 1,534,220 pounds from 2,177,104 pounds while wool tops dropped to 376,469 pounds from 655,240 pounds. The value of chemicals and dyestuffs was virtually unchanged with the 1953 figure reported at \$8,728,637, versus \$8,782,812 a year earlier.

Imports of filament yarn and piece goods increased over 1952 levels. On the other hand staple fibre imports to the Canadian market declined. Staple fibre imports totalled 6,669,686 pounds compared with 8,787,792 pounds in 1952. Filament yarn imports, single and thrown, both acetate and viscose, amounted to 4,186,690 pounds in 1953, a figure 1,124,699 pounds higher than in 1952. Piece goods imports for the year totalled 9,165,182 pounds, up 1,303,787 pounds over 1952. This increase was due to takings from the U.S.A. which increased from 6,316,718 to 7,485,048 pounds and from the U.K., which increased shipments here from 476,571 to 692,213 pounds. For full details of imports and exports reference should be made to Tables 6 and 7 of this report.

Events of the past several years have served to illustrate the progressiveness of the synthetics branch of the Canadian textile industry. Canadian producers of synthetic fibres, yarns and fabrics have attacked numerous problems connected with new developments, have expanded their production to satisfy the requirements of a wider domestic market and in general have built for the future. The intention of the synthetic textile industry to keep pace with modern technique is evident in the record of capital and maintenance expenditure for 1953. Total capital investment in 1953 was reported at \$18,315,000 with machinery and equipment accounting for \$15,056,000 and new construction \$3,059,000. The natural growth of this industry has resulted in expansion and replacement expenditure of some magnitude which reflects the confidence of this segment of the textile industry.

TABLE 1. Principal Statistics, Representative Years, 1923 to 1953

Year	Establishments	Employees	Salaries and wages	Cost of materials used	Gross value of production
	No.	No.	\$	\$	\$
1923 .....	7	1,457	1,224,036	2,677,229	5,044,968
1929 .....	23	4,372	3,825,796	6,091,124	14,476,080
1932 .....	24	7,036	5,756,835	7,858,104	19,864,843
1935 .....	33	10,088	8,371,037	10,946,739	28,045,340
1937 .....	29	10,246	9,099,437	10,453,196	27,871,292
1938 .....	28	8,922	8,147,841	8,882,157	23,871,992
1939 .....	26	8,221	7,972,404	9,872,472	25,440,527
1940 .....	27	8,512	8,757,474	11,662,908	31,207,809
1941 .....	30	10,140	11,005,770	15,855,842	41,549,845
1942 .....	33	11,088	13,039,579	18,339,710	48,055,557
1943 .....	33	10,920	13,714,158	19,454,469	50,440,088
1944 .....	32	11,315	14,963,589	19,824,898	52,367,357
1945 .....	33	11,950	16,187,441	20,198,948	55,118,613
1946 .....	36	13,100	18,890,121	24,099,473	65,521,067
1947 .....	40	14,728	24,284,463	32,659,919	84,869,922
1948 .....	45	16,097	30,738,856	41,178,371	107,141,830
1949 .....	48	16,828	36,121,584	45,217,912	124,125,414
1950 .....	47	17,955	40,111,600	55,518,508	147,047,995
1951 .....	46	17,997	44,693,738	66,040,725	166,549,897
1952					
Canada .....	48	15,723	42,708,505	63,780,047	157,628,515
Quebec .....	35	11,502	30,523,948	41,023,776	99,118,924
Ontario and New Brunswick .....	13	4,221	12,184,557	22,756,271	58,509,591
1953 <sup>1</sup>					
Canada .....	47	15,723	43,939,105	63,938,444	146,418,307
Quebec .....	36	11,322	30,302,973	36,827,657	83,894,376
Ontario and New Brunswick .....	11	4,401	13,636,132	27,110,787	62,523,931

1. In 1953 gross value of production is replaced by value of factory shipments (see text). The inventory value of finished products at the plant at the end of 1952 amounted to \$7,537,000 and at the end of 1953 to \$13,885,000.

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, 1952 and 1953

Items	1952	1953	+ Increase - Decrease
Establishments reporting .....	No. 48	47	- 1
Employees on salaries:			
Total .....	No. 3,388	3,286	- 102
Male .....	No. 2,373	2,291	- 82
Female .....	No. 1,015	995	- 20
<b>Total salaries .....</b>	<b>\$ 12,899,801</b>	<b>12,822,840</b>	<b>- 76,961</b>
Employees on wages:			
Monthly average .....	No. 12,335	12,437	+ 102
Male .....	No. 9,213	9,311	+ 98
Female .....	No. 3,122	3,126	+ 4
<b>Total wages .....</b>	<b>\$ 29,808,704</b>	<b>31,116,265</b>	<b>+ 1,307,561</b>
Cost of fuel and electricity .....	\$ 3,844,252	3,894,586	+ 50,334
Cost of materials used .....	\$ 63,780,047	63,938,444	+ 158,397
Gross value of production .....	\$ 157,628,515	146,418,307 <sup>1</sup>	-

1. Value of factory shipments (see footnote (1), Table (1)).

TABLE 3. Production 1952, Factory Shipments 1953

Principal products	Unit of measure	1952 Production		1953 Factory shipments	
		Quantity	Selling value at factory	Quantity	Selling value at factory
Woven fabrics <sup>1</sup> :			\$		\$
All silk and mixtures containing silk .....	Yd.	221, 155	253, 539	237, 222	269, 149
All continuous filament synthetic yarn:					
Rayon .....	"	58, 942, 408	39, 629, 269	55, 325, 883	36, 574, 880
Nylon .....	"	9, 132, 076	8, 702, 996	7, 037, 238	6, 142, 835
All spun rayon.....	"	20, 670, 802	17, 582, 123	20, 029, 155	15, 083, 860
All cotton.....	"	1, 930, 652	3, 351, 439	509, 353	927, 039
Mixtures of continuous filament rayon and spun rayon	"	4, 427, 276	3, 879, 629	4, 443, 023	4, 002, 444
Mixtures of continuous filament rayon and cotton	"	1, 079, 258	1, 245, 448	1, 146, 401	1, 162, 302
Mixtures of spun rayon and cotton .....	"	1, 817, 726	2, 201, 771	1, 541, 024	1, 568, 089
Mixtures of rayon and wool .....	"	2, 192, 902	3, 597, 059	748, 747	820, 441
All other woven fabrics .....	"	3, 527, 572	3, 464, 862	5, 379, 047	5, 671, 954
Knitted Fabrics.....	Lb.	3, 821, 823	4, 852, 090	3, 557, 641	4, 554, 895
Yarn and thread:					
Synthetic singles .....	Lb.	26, 421, 381	32, 730, 824	34, 455, 640	38, 206, 596
Rayon, thrown .....	"	5, 217, 659	4, 756, 325	3	3
Nylon, thrown .....	"	1, 326, 882	4, 939, 410	957, 973	4, 050, 891
Other, thrown.....	"	2	2	3, 776, 708	3, 399, 883
Spun rayon, including mixtures.....	"	3, 973, 324	3, 645, 284	4, 230, 940	3, 462, 119
All other yarns .....	"	2, 040, 099	3, 215, 951	2, 174, 161	3, 514, 567
All other threads.....	"	—	790, 090	—	1, 294, 460
Waste .....	"	974, 292	169, 244	1, 385, 611	271, 465
All other products.....	—	—	14, 796, 986	—	11, 486, 021
Custom and commission work .....	—	—	3, 824, 176	—	3, 954, 417
<b>Total value of products .....</b>	—	—	<b>157, 628, 515</b>	—	<b>146, 418, 307</b>

1. For breakdown of woven fabrics by construction see Table 3A.

2. Included in "All other yarns".

3. 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 5.

TABLE 3 (a). Woven Fabrics by Type and Construction, 1953

	Rayon—filament and spun, including mixtures	Nylon—filament and spun, including mixtures	All other	Total
	yd.	yd.	yd.	yd.
Dress fabrics.....	29, 516, 160	5, 366, 557	2, 447, 321	37, 330, 038
Lingerie fabrics .....	13, 496, 080	1, 480, 201	37, 467	15, 013, 748
Lining fabrics .....	17, 107, 163	294, 226	24, 816	17, 426, 205
Neckwear fabrics .....	928, 318	—	6, 211	934, 529
Draperies, damask, tapestries and other upholstering fabrics .....	2, 362, 897	5, 191	105, 510	2, 473, 598
Other furnishing fabrics.....	5, 912, 926	—	9, 225	5, 922, 151
Other fabrics .....	14, 316, 382	509, 153	2, 471, 289	17, 296, 824
<b>Total.....</b>	<b>83, 639, 926</b>	<b>7, 655, 328</b>	<b>5, 101, 839</b>	<b>96, 397, 093</b>

TABLE 4. Materials Used, 1952 and 1953

Principal materials	1952		1953	
	Quantity	Cost value at factory	Quantity	Cost value at factory
	pound	\$	pound	\$
Silk, raw.....	40,379	189,013	21,363	105,987
Rayon staple fibre.....	14,240,551	6,253,854	16,491,292	6,621,275
Wool tops.....	655,240	1,037,272	376,469	637,213
Nylon staple fibre.....	962,814	1,875,232	736,989	1,344,870
Other raw stock.....	—	5,855,639	—	6,197,965
Yarns:				
Silk, real.....	1	1	32,953	153,742
Synthetic (continuous filament):				
Acetate rayon.....	5,678,493	5,475,791	6,052,099	5,577,699
Bemberg.....	37,972	63,530	31,422	45,403
Viscose rayon.....	5,862,859	5,648,350	6,661,602	5,235,582
Spun silk.....	—	1	16,569	19,577
Spun rayon (including spun rayon mixtures).....	4,811,794	4,156,266	4,761,385	2,488,199
Nylon.....	1,850,954	5,420,596	1,598,189	4,643,219
Cotton.....	2,177,104	2,426,589	1,534,220	1,526,667
Worsted.....	8,926	15,256	1	1
All other.....	580,264	933,391	427,705	1,249,726
Chemicals and dyestuffs.....	—	8,782,812	—	8,728,637
All other materials and supplies.....	—	11,000,913	—	14,442,191
Custom weaving, throwing, etc.....	—	2,243,079	—	2,387,872
Dyeing and printing, charges.....	—	1,114,382	—	1,547,967
Packing and shipping materials.....	—	1,288,082	—	984,653
<b>Total cost of materials used.....</b>	<b>—</b>	<b>63,780,047</b>	<b>—</b>	<b>63,938,444</b>

1. Included in "All other yarns".

TABLE 5. Total Production of Broad Woven Synthetic Fabrics in All Industries

Year	Fabrics of continuous filament synthetic yarn <sup>1</sup>		Fabrics of spun rayon and mixtures		Fabrics of continuous filament synthetic yarn mixtures		Total synthetic fabrics	
	yards	\$	yards	\$	yards	\$	yards	\$
1938.....	36,952,422	14,390,852	3,867,354	1,016,798	778,238	634,936	41,598,014	16,042,586
1939.....	44,065,404	15,911,847	5,947,679	1,655,262	1,274,071	1,025,840	51,287,154	18,592,949
1940.....	50,491,606	18,791,155	11,044,748	3,748,667	1,962,955	1,681,611	63,499,309	24,221,433
1941.....	72,509,371	28,398,442	15,167,505	4,997,557	3,323,761	2,532,912	91,000,637	35,928,911
1942.....	63,772,372	27,232,744	21,907,594	7,435,434	4,716,182	2,872,566	90,396,148	37,540,744
1943.....	54,698,933	24,230,514	22,030,660	8,174,346	6,082,600	4,229,464	82,812,193	36,634,324
1944.....	53,258,553	23,972,156	21,664,470	8,493,951	5,177,630	3,974,057	80,100,653	36,440,164
1945.....	52,044,857	24,473,388	24,836,720	10,503,365	5,010,944	3,473,824	81,892,521	38,450,577
1946.....	53,662,925	29,144,408	18,442,510	8,614,666	6,056,241	4,720,036	78,161,676	42,479,110
1947.....	60,284,389	37,872,499	15,762,148	8,931,654	6,802,827	5,566,464	82,849,364	52,370,617
1948.....	65,824,529	46,343,688	27,938,573	17,611,922	5,395,429	5,249,973	99,158,531	69,205,583
1949.....	77,505,796	53,475,703	28,473,682	21,314,131	7,438,339	6,916,388	113,417,817	81,706,222
1950.....	82,081,710	56,176,824	31,443,132	26,692,725	5,743,206	4,606,742	119,268,048	87,476,291
1951.....	81,459,286	56,759,198	24,254,299	23,405,158	9,418,333	9,945,519	115,131,918	90,109,875
1952.....	70,646,867	50,488,653	25,077,153	23,545,445	6,173,569	5,535,755	101,897,589	79,569,853

1. Including nylon.

TABLE 6. Imports of Silk and Synthetic Fibres, Yarns and Piece Goods

	1952		1953	
	Quantity	Value	Quantity	Value
		\$		\$
<b>Silk:</b>				
Raw silk and cocoons, not degummed .....	Lb. 40,053	199,508	60,966	311,107
Garnetted silk wastes, waste fabric and silk wastes, n.o.p., not including remnants nor mill ends.....	" 9,283	10,616	499	969
Yarn, thread, cord and twist.....	-	15,950	-	17,793
Bolting cloth, not made up .....	-	141,238	-	139,161
Knitted fabrics, silk .....	Lb. 148	1,069	348	2,397
Woven fabrics, silk, in the gum, not less than 20 inches in width, to be dyed and finished in Canada .....	Yd. 11,800	3,972	14,994	3,728
Woven fabrics, silk, not to contain wool, not including fabrics in chief part by weight of synthetic yarn, n.o.p. ....	" 459,575	771,168	494,306	845,350
Woven fabrics, silk, 26 inches in width or less, n.o.p. "	" 3,117	8,228	3,393	11,693
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. ....	" 853,518	1,422,637	480,808	814,291
Woven fabrics, not exceeding 12 inches in width, ribbons, silk .....	-	26,976	-	25,704
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 .....	-	2,650,205	-	2,358,389
Umbrella covering fabrics, not made in Canada, with hemmed selvages, when imported in lengths of not less than ten yards each for umbrellas.....	-	167,063	-	229,784
<b>Synthetic Textiles:</b>				
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. 8,787,792	3,585,138	6,669,686	3,159,984
Synthetic fibre tops .....	" 298,315	270,446	347,148	286,275
Garnetted material and waste portions of unused fabrics, filaments and loose fibres, n.o.p., not to include remnants nor mill ends .....	" 737,483	359,068	1,001,587	608,581
Yarns, synthetic, acetate, singles, not coloured, not more than seven turns to the inch.....	" 814,742	599,934	1,484,287	1,115,860
Yarns, synthetic, singles, n.o.p., not coloured, not more than seven turns to the inch.....	" 715,739	563,670	662,410	634,355
Yarns, threads, cords, or twist, synthetic, and yarns synthetic covered with metallic strip, produced from cellulose acetate .....	" 104,739	146,356	327,072	397,394
Yarns, threads, cords or twist, synthetic, and yarns synthetic, covered with metallic strip, n.o.p. ....	" 1,426,771	1,632,026	1,712,921	2,031,110
Yarns, synthetic, not coloured, for cut pile fabrics .....	" 30,973	48,940	9,459	12,015
Yarns of synthetic fibres, produced from polyamides (nylon) .....	" 103,603	388,618	186,774	613,693
Yarns, synthetic, for tire fabric.....	" 6,657,831	4,153,565	7,512,379	4,422,295
Knitted fabrics of synthetic yarn.....	" 260,713	849,672	210,884	704,720
Woven fabric of synthetic yarn, not to contain wool, not including fabrics in chief part by weight of silk, n.o.p. ....	" 7,861,395	16,112,112	9,165,182	18,201,042
Woven fabrics, of synthetic yarn, not exceeding twelve inches in width, generally known as ribbons.....	" -	916,458	-	981,047
<b>Total .....</b>	<b>-</b>	<b>35,044,633</b>	<b>-</b>	<b>37,928,737</b>

TABLE 7. Exports of Synthetic Yarn and Fabrics

	1952		1953	
	Quantity	Value	Quantity	Value
	yds.	\$	yds.	\$
Synthetic thread and yarn.....	—	1,830,902	—	3,489,863
Fabrics of synthetic yarn.....	822,441	834,614	1,196,098	1,136,652

TABLE 8. Employees, by sex and remuneration

	Salaried employees			Wage-earners (monthly averages)			Total employees salaries and wages		
	Male	Female	Total salaries	Male	Female	Total wages	Male	Female	Total salaries and wages
	No.	No.	\$	No.	No.	\$	No.	No.	\$
1952									
Canada .....	2,209	1,179	12,899,801	9,213	3,122	29,808,704	11,422	4,301	42,708,505
Quebec .....	1,741	752	9,559,067	6,796	2,213	20,964,881	8,537	2,965	30,523,948
Ontario and New Brunswick	468	427	3,340,734	2,417	909	8,843,823	2,885	1,336	12,184,557
1953									
Canada .....	2,291	995	12,822,840	9,311	3,126	31,116,265	11,602	4,121	43,939,105
Quebec .....	1,630	737	9,294,375	6,774	2,181	21,008,598	8,404	2,918	30,302,973
Ontario and New Brunswick	661	258	3,528,465	2,537	945	10,107,667	3,198	1,203	13,636,132

TABLE 9. Monthly Employment of Wage-earners, 1951, 1952 and 1953

	1951			1952			1953		
	Male	Female	Total	Male	Female	Total	Male	Female	Total
	No.	No.	No.	No.	No.	No.	No.	No.	No.
January.....	10,875	4,410	15,285	9,459	3,216	12,675	9,771	3,412	13,183
February.....	10,924	4,395	15,319	9,144	3,040	12,184	10,090	3,508	13,598
March.....	11,038	4,440	15,478	8,455	2,872	11,327	10,172	3,495	13,667
April.....	11,069	4,411	15,480	8,532	2,823	11,355	10,113	3,502	13,615
May.....	10,995	4,390	15,385	8,712	2,788	11,500	9,755	3,385	13,140
June.....	11,009	4,235	15,244	8,867	2,895	11,762	8,847	3,043	11,890
July.....	10,655	4,031	14,686	8,921	2,959	11,880	9,144	3,082	12,226
August.....	10,847	4,076	14,923	9,461	3,207	12,668	9,102	3,022	12,124
September.....	10,330	3,811	14,141	9,664	3,366	13,030	9,081	2,941	12,022
October.....	10,285	3,761	14,046	9,822	3,411	13,233	8,968	2,847	11,815
November.....	9,907	3,492	13,399	9,705	3,436	13,141	8,397	2,636	11,033
December.....	9,762	3,374	13,136	9,800	3,459	13,259	8,244	2,624	10,868
Monthly average.....	10,651	4,068	14,719	9,213	3,122	12,335	9,311	3,126	12,437



TABLE 10. Size of Establishments, 1952 and 1953

Size of establishment	Establishments	Employees	Salaries and wages	Cost of materials used	Gross value of production
	No.	No.	\$	\$	\$
1952					
Production of:					
Under \$25,000 .....	}	44	86,957	47,858	167,780
\$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 .....	11	520	1,042,836	1,199,119	2,836,362
Head Offices .....	10	846	2,047,256	3,429,132	7,215,115
	18	5,068	11,523,979	23,213,026	44,592,573
	5	8,271	23,817,866	35,890,912	102,816,685
	—	974	4,189,611	—	—
<b>Total .....</b>	<b>48</b>	<b>15,723</b>	<b>42,708,505</b>	<b>63,780,047</b>	<b>157,628,515</b>
1953					
Factory shipments of:					
Under \$25,000 .....	—	—	—	—	—
\$25,000 to under \$100,000 .....	}	648	1,438,991	1,662,982	3,904,017
\$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 .....					
Head Offices .....	16	5,094	11,752,182	21,507,281	37,738,587
	5	8,111	24,469,015	37,243,625	97,508,446
	—	894	3,821,700	—	—
<b>Total .....</b>	<b>47</b>	<b>15,723</b>	<b>43,939,105</b>	<b>63,938,444</b>	<b>146,418,307</b>

Note. In 1953 value of factory shipments was collected instead of value of production as in previous years. (See text)

TABLE 11. Estimated Capital, Repair and Maintenance Expenditures, 1946-1953

Year	Capital expenditures			Repair and maintenance expenditures			Capital, repair and maintenance expenditures		
	Con-struction	Machinery and equipment	Sub-total	Con-struction	Machinery and equipment	Sub-total	Con-struction	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 .....	4,115	10,041	14,156	524	3,501	4,025	4,639	13,542	18,181
1948 .....	2,201	12,339	14,540	610	4,495	5,105	2,811	16,834	19,645
1949 .....	1,792	10,361	12,153	514	4,873	5,387	2,306	15,234	17,540
1950 .....	2,274	9,345	11,619	642	6,600	7,242	2,916	15,945	18,861
1951 .....	3,946	12,581	16,527	724	5,736	6,460	4,670	18,317	22,987
1952 .....	2,738	11,529	14,267	590	4,657	5,247	3,328	16,186	19,514
1953 .....	2,428	9,165	11,593	631	6,091	6,722	3,059	15,256	18,315

TABLE 12. Mechanical Equipment, 1952 and 1953

	1952	1953
	No.	No.
Spindles:		
Throwing .....	116,466	97,356
Winding .....	30,511	31,992
Doubling and twisting .....	72,684	62,216
Spinning .....	232,072	254,730
Re-drawing .....	10,175	14,206
Reeling .....	1,549	1,427
Cone winding .....	17,494	18,696
Quill winding .....	10,768	10,044
All other .....	19,164	14,994
Warpers .....	151	2,829
Slashers .....	61	49
Cards .....	461	442

TABLE 12. Mechanical Equipment, 1952 and 1953 - Concluded

	1952	1953
	No.	No.
Looms:		
41-48 inches .....	1,923	1,413
49-56 inches .....	3,020	2,975
57 inches and over .....	2,811	2,886
Velvet.....	68	68
Ribbon .....	1	1
Jacquard machines in place on the above looms .....	165	165
Dobbies in place on the above looms .....	5,402	4,628
Knitting machines.....	21	87
Braiding machines .....	2	2
Stretchers.....	10	8

TABLE 13. Power Installation, 1948 and 1953

Classes of power	1948		1953	
	Number of units	Horse-power capacity	Number of units	Horse-power capacity
Steam engines and steam turbines .....	20	5,853	26	15,729
Gasoline, gas and oil engines, other than Diesel engines .....	4	280	1	125
Electric motors operated by purchased power:				
In use .....	30,286	46,255	31,579	64,351
Idle .....	1,796	3,027	3,743	12,324
<b>Total power used in manufacturing .....</b>	<b>32,106</b>	<b>55,415</b>	<b>35,349</b>	<b>92,529</b>
Boiler installation:				
In use .....	31	12,212	12	2,502
Idle .....	2	235	2	1,253

TABLE 14. Consumption of Fuel and Electricity, 1948 and 1953

Kinds of fuel	Unit of measure	1948		1953	
		Quantity	Cost value at factory	Quantity	Cost value at factory
			\$		\$
Bituminous coal .....	ton	129,624	1,368,368	165,903	1,911,012
Anthracite coal .....	"	24,785	202,258	2,952	38,425
Gasoline (including gasoline used in cars and trucks) .....	Imp. gal.	29,303	9,572	36,521	14,058
Kerosene or coal oil.....	"	459	104	1,601	424
Fuel oil .....	"	2,885,163	352,601	6,732,153	638,862
Other fuel.....	-	-	37,429	-	6,027
<b>Total cost of fuel .....</b>	-	-	<b>1,970,332</b>	-	<b>2,608,808</b>
Electricity purchased (including service charges) .....	Kw. H	173,919,705	1,042,381	187,473,594	1,285,778
<b>Total cost of fuel and electricity .....</b>	-	-	<b>3,012,713</b>	-	<b>3,894,586</b>

## List of Establishments in the Synthetic Textiles and Silk Industry, 1953

Name	Address
<b>New Brunswick:</b>	
Textile Sales Limited (St Croix Mill) .....	Milltown
<b>Quebec:</b>	
Acadian Bobinet Co. Ltd. ....	5th Ave., Iberville
Associated Textiles of Canada, Limited .....	Louiseville
"Aux Tissages Francais" Inc. ....	7260 St. Urbain St., Montreal
Belding-Corticelli Limited .....	Richelieu St., St. Johns
British American Silk Mills Limited .....	Granby
Bruck Mills Limited .....	Cowansville
Bruck Mills Limited .....	100 Woodward Ave., Sherbrooke
Canadian Celanese Limited .....	Drummondville
Canadian Celanese Limited .....	Sorel
Canadian Silk Textiles Reg'd. ....	St. Hyacinthe
Coaticook Textiles Limited .....	380 Water St., Coaticook
Consolidated Textiles Limited.....	Joliette
Consolidated Textiles Limited.....	St. Hyacinthe
Dionne Spinning Mills Company .....	St. George, West
Domil Ltd. ....	Sherbrooke
Dominion Spinners Limited .....	130 Grégoire St., St. Johns
Dominion Thread Mills.....	52 Nazareth St., Montreal
Doric Textiles Mills Ltd. ....	St. Johns
Duplan of Canada Ltd.....	Montmagny
Duplex Textiles Limited .....	St. Hyacinthe
Iberville Drapery Mills Limited .....	64th Avenue, Iberville
Kenmar Textiles Limited.....	St. Angèle de Monnoir
Louis Roessel & Company, Limited .....	628 Heriot St., Drummondville
Malibu 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., Grandmère
Rayonese Textile Co. Ltd. ....	Ste. Rose
Sauquoit Ltd. ....	Granby
Soieries Boell, Limited .....	St. Johns
Rose - Tex Fabrics .....	1459 St Alexander St., Montreal
Thor Mills Limited .....	Granby
Valleyfield Silk Mills Limited .....	Valleyfield
Verney Corporation of Canada, Limited .....	Granby
Wesley Mason Mills Ltd., (2 plants) .....	Cap-de-la-Madeleine
Zephyr Textiles Limited .....	Ormstown
<b>Ontario:</b>	
Canadian Industries Limited.....	Kingston
Courtaulds (Canada) Limited .....	Cornwall
Dominion Silk Mills Limited .....	2 Mark St., Toronto 2
Fiberglass Canada Limited.....	Guelph
Fine Silk Limited .....	Midland
Galtex Limited .....	St. Andrews St., Galt
Grout's Limited.....	Welland Ave., St. Catherines
National Weaving Ltd. ....	Dunnville
Riverside Silk Mills Limited.....	Melville St., Galt
Slingsby Manufacturing Company, Limited .....	Grand River Ave., Brantford

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