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CANADA
DEPARTMENT OF TRADE AND COMMERCE
DOMINION BUREAU OF STATISTICS
CENSUS OF INDUSTRY
GENERAL MANUFACTURES BRANCH

REPORT
ON THE
SILK INDUSTRY
IN
CANADA
1934

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DEPARTMENT OF TRADE AND COMMERCE
DOMINION BUREAU OF STATISTICS
GENERAL MANUFACTURES DIVISION
OTTAWA - CANADA

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THE SILK INDUSTRY IN CANADA, 1934.

The silk industry in Canada is divided into two distinct branches -- real silk and artificial silk -- but, owing to the fact that the manufacture of the latter is largely concentrated in a few establishments, it is necessary to combine these statistics in order to avoid disclosing individual information. It is also necessary to show production on rather broad lines, and some individual items cannot be shown at all but have to be grouped with others or under "all other products" if the disclosure of individual figures is to be avoided.

The striking progress made by this industry since the collection of statistics in 1917 is shown in table 1, and we are able to state that the year 1934 saw further improvement, all the principal statistics showing an increase. Since 1917 the gross value of production has increased over 999 per cent, capital investment over 1438 per cent, number of employees over 9078 per cent, the amount of salaries and wages paid them over 1835 per cent, the cost of raw and other materials over 1041 per cent and the value added by manufacture also increased by about 965 per cent over this period.

In 1934 the gross value of production was \$25,879,059, an increase over the 1933 figures of \$3,124,090 or 13.7 per cent. The amount of capital investment was \$34,192,892, an increase of \$4,000,022 or 13.2 per cent, employment was furnished to 9,220 salaried employees and wage-earners which was an increase of 1419 persons or 18.1 per cent over the number furnished with employment in 1933, while \$7,535,972 was paid out in salaries and wages which represented an increase of \$1,397,440 or 22.7 per cent. The cost of raw and other materials used, amounting to \$9,553,932, increased by \$1,758,390 or 22.5 per cent, while the value added by manufacture, amounting to \$16,325,127, showed a gain of \$1,365,700 or 9.1 per cent.

The following table illustrates, by provinces, the actual variations in the principal statistics in 1934 as compared with 1933.

Province	Capital Invested	Em- ployees	Salaries and Wages	Cost of Materials Used	Gross Value of Production	Value added by Manufacture
	\$	No.	\$	\$	\$	\$
CANADA.	+4,000,022	+1,419	+1,397,440	+1,758,390	+3,124,090	+1,365,700
Quebec	...+2,310,169	+1,142	+ 970,595	+1,584,753	+2,529,075	+ 944,322
Ontario	..+1,689,853	+ 277	+ 426,845	+ 173,637	+ 595,015	+ 421,378

In 1934 reports were received from 29 establishments. This is no change from the number reporting the previous year. An increase occurred in the province of Ontario where 10 establishments were located in comparison with 9 in 1933, the remaining 19 being located in Quebec. These two provinces accounted for all manufacturing activities in the silk industry. The following table shows the percentage distribution of the principal statistics in the two provinces in 1933 and 1934.

THE SILK INDUSTRY IN CANADA, 1934.

Province	Capital Invested		Em- ployees		Salaries and Wages		Cost of Materials Used		Gross Value of Production		Value added by Manufactur	
	1933	1934	1933	1934	1933	1934	1933	1934	1933	1934	1933	1934
	p.c.	p.c.	p.c.	p.c.	p.c.	p.c.	p.c.	p.c.	p.c.	p.c.	p.c.	p.c.
Quebec ...	70.0	68.6	70.7	72.3	67.3	67.8	71.4	74.9	68.4	70.0	66.9	61.0
Ontario ..	30.0	31.4	29.3	27.7	32.7	32.2	28.6	25.1	31.6	30.0	33.1	39.0
CANADA ..	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

The principal items of production in 1934 were fabrics of real silk, artificial silk and real and artificial silk mixed, their combined production in 1934 amounting to 33,934,597 yards worth \$16,027,578 which represented 61.9 per cent of the total value of production. The corresponding figures for 1933 were 26,425,919 yards valued at \$14,289,639 or 62.8 per cent of the total. The 1934 production of real silk fabrics was 8,412,119 yards with a selling value at the factory of \$3,978,433 or an average price of 47 cents per yard. The corresponding price in 1933 was 56 cents per yard. The production of all artificial silk fabrics in 1934 was 20,227,939 yards with a factory selling value of \$9,812,965 or an average price of 48.5 cents per yard, and this 1933 price was 47.8 cents per yard. Real and artificial silk mixtures to the extent of 4,466,225 yards were produced with a selling value of \$2,547,954 or an average price per yard of 57.0 cents, the average price in 1933 being 68.3 cents. The production of real and artificial silk yarns, threads, embroidery, etc., amounted to 7,149,885 pounds worth \$5,785,180 in 1934 as against an output of 4,935,077 pounds valued at \$5,203,161 in 1933.

The principal single item of materials consumed in both 1933 and 1934 was raw silk, and in the latter year this consumption amounted to 1,593,234 pounds costing \$2,371,371. The corresponding consumption in 1933 was 1,460,474 pounds valued at \$2,579,013. Yarns of all kinds were used to the extent of 4,360,895 pounds costing \$4,193,329 and the 1933 figures were 2,857,425 pounds costing \$2,188,642. Chemicals of all kinds and dyes were used to the extent of \$1,911,531 in 1933 and \$2,374,135 in 1934. These items are shown in detail in table 4 of the report.

The amount of capital invested in the industry in 1934, \$34,192,892, showed an increase of \$4,000,022 over 1933. This was mainly accounted for by an increase in the fixed capital which rose from \$18,844,213 in 1933 to \$22,247,906 in 1934.

By referring to table 6 it will be observed that the bulk of production, capital investment and employment is accounted for by five and six establishments. In the case of production, five establishments had an output valued at \$17,475,533 or 67.5 per cent of the total value of production. Six establishments supplied \$27,831,831 of the total amount of capital investment or 81.5 per cent of the total, while five establishments furnished employment to 6,156 persons or 66.7 per cent of the total number given employment.

In 1934 the average number of wage-earners showed an increase of 1,187 over 1933 and 1,890 over 1932. In 1934 May with 8,569 wage-earners was the month of maximum employment, while January with 8,038 was the minimum one. In 1933 December with 7,906 wage-earners was the maximum month, while March with 6,534 was the minimum.

Imports of real and artificial silk and their manufactures showed a further decline in 1934, the value in that year being \$8,341,640 as against a valuation of \$10,053,741 in 1933. Imports of real silk were \$6,959,842 in 1934 and \$7,280,549 in 1933.

THE SILK INDUSTRY IN CANADA, 1934.

of artificial silk \$2,381,798 in 1934 and \$2,773,192 in 1933. The United States supplied the largest proportion of real silk articles, our purchases from that country amounting to \$4,941,364 out of a total of \$6,959,842 in 1934 and \$5,117,007 out of a total of \$7,280,549 in 1933. Of artificial silk our largest purchases were made from the United Kingdom, these amounting to \$1,235,636 out of a total of \$2,381,798 in 1934 and \$1,377,115 out of a total of \$2,773,192 in 1933.

The exports of real and artificial silk and their manufactures show an increase in 1934 in which year the value was \$2,179,657 as compared to \$1,422,802 in 1933. The value of the real silk and its manufactures exported amounted to \$1,903,282 in 1934 as compared to \$1,300,784 in 1933 while the artificial silk and its manufactures were valued at \$276,375 in 1934 and \$122,018 in 1933. Approximately 92 per cent of the exports went to countries within the empire. All exports of real and artificial silk manufactures are shown in detail in table 14.

Table 1. - Principal Statistics, 1917 - 1934

Year and Provinces	Estab-lish-ments Report-ing	Capital Invested	Em-ployees	Salaries and Wages	Cost of Materials Used	Gross Value of Production	Value added by Manufacture
	No.	\$	No.	\$	\$	\$	\$
1917 ...	9	2,223,164	824	392,398	837,041	2,372,001	1,534,960
1918 ...	7	2,890,431	975	438,695	1,436,229	2,451,220	1,014,991
1919 ...	8	3,661,373	1,294	698,760	1,975,539	3,317,181	1,187,064
1920 ...	5	4,901,679	1,165	817,440	3,438,792	5,376,751	1,937,959
1921 ...	5	4,559,909	932	719,845	1,890,171	3,536,513	1,646,342
1922 ...	7	4,618,448	1,467	1,236,130	2,267,250	4,675,205	2,407,955
1923 ...	7	4,594,313	1,457	1,224,036	2,677,229	5,044,968	2,367,739
1924 ...	10	5,744,502	1,210	978,686	2,486,845	4,381,234	1,894,389
1925 ...	11	9,224,224	1,727	1,364,857	3,361,035	5,483,363	2,122,328
<u>1926</u>							
CANADA ..	12	10,019,519	2,423	1,985,000	3,472,965	8,507,153	5,034,198
Quebec ...	8	5,607,849	1,297	934,217	1,784,561	3,931,412	2,146,851
Ontario ...	4	4,411,670	1,126	1,050,783	1,688,404	4,575,741	2,887,347
<u>1927</u>							
CANADA ..	14	22,327,818	2,890	2,339,971	4,016,631	9,570,917	5,554,286
Quebec ...	9	16,255,544	1,412	1,010,972	2,086,804	4,154,444	2,067,640
Ontario ..	5	6,072,274	1,478	1,328,999	1,929,827	5,416,473	3,486,646
<u>1928</u>							
CANADA ..	16	26,159,703	3,933	3,441,549	4,638,717	10,897,273	6,258,556
Quebec ...	9	17,068,670	2,162	1,823,057	2,402,265	4,998,738	2,596,473
Ontario ..	7	9,091,033	1,771	1,618,492	2,236,452	5,898,535	3,662,083
<u>1929</u>							
CANADA ..	23	28,278,657	4,372	3,825,796	6,091,124	14,476,080	8,384,956
Quebec ...	12	18,368,727	2,569	2,132,391	3,320,406	8,327,576	5,007,170
Ontario ..	11	9,909,930	1,803	1,693,405	2,770,718	6,148,504	3,377,786

THE SILK INDUSTRY IN CANADA, 1934.

Table 1. - Principal Statistics, 1917 - 1934. - (Concl'd.)

Year and Provinces	Estab-lish-ments Report-ing	Capital Invested	Em- ployees	Salaries and Wages	Cost of Materials Used	Gross Value of Production	Value added by Manufacture
	No.	\$	No.	\$	\$	\$	\$
<u>1930</u>							
CANADA ..	25	30,506,060	5,393	4,718,590	7,633,329	17,808,598	10,175,269
Quebec	15	22,293,970	3,692	3,071,420	5,107,582	11,863,085	6,775,503
Ontario ...	10	8,207,090	1,701	1,647,170	2,525,747	5,925,513	3,399,766
<u>1931</u>							
CANADA ..	23	32,205,207	6,273	5,758,995	6,482,197	18,187,492	11,705,295
Quebec	13	23,197,123	4,306	3,926,131	4,311,512	12,425,851	8,114,339
Ontario ...	10	9,008,084	1,967	1,832,864	2,170,685	5,761,641	3,590,956
<u>1932</u>							
CANADA ..	24	28,021,412	7,036	5,756,865	7,858,104	19,864,843	12,006,739
Quebec	15	19,449,406	4,907	3,834,856	5,629,907	13,844,989	8,215,082
Ontario ...	9	8,572,006	2,129	1,922,009	2,228,197	6,019,854	3,791,657
<u>1933</u>							
CANADA ..	29	30,192,870	7,801	6,138,532	7,795,542	22,754,969	14,959,427
Quebec	20	21,132,257	5,512	4,132,769	5,562,834	15,563,612	10,000,778
Ontario ...	9	9,060,613	2,289	2,005,763	2,232,708	7,191,357	4,958,649
<u>1934</u>							
CANADA ..	29	34,192,892	9,220	7,535,972	9,553,932	25,879,059	16,325,127
Quebec	19	23,442,426	6,654	5,103,364	7,147,587	18,092,687	10,945,100
Ontario ...	10	10,750,466	2,566	2,432,608	2,406,345	7,786,372	5,380,027

Table 2. - Comparison of Principal Statistics, 1933 and 1934

Items		1933	1934	+ Increase - Decrease
Establishments reporting	No.	29	29	-
Capital invested	\$	30,192,870	34,192,892	+ 4,000,022
Employees on salaries -				
Total	No.	680	912	+ 232
Male	No.	467	619	+ 152
Female	No.	213	293	+ 80
Total salaries	\$	1,308,883	1,559,068	+ 250,185

THE SILK INDUSTRY IN CANADA, 1934.

Table 2. - Comparison of Principal Statistics, 1933 and 1934. -(Concl'd.)

Items		1 9 3 3	1 9 3 4	+ Increase - Decrease
Employees on wages -				
Monthly average	No.	7,121	8,308	+ 1,187
Male	No.	4,026	4,907	+ 881
Female	No.	3,095	3,401	+ 306
Total wages	\$	4,829,649	5,976,904	+ 1,147,255
Power equipment -				
Units	No.	13,492	19,382	+ 5,890
Horse-power capacity	H.P.	14,234	17,832	+ 3,598
Cost of fuel and electricity ..	\$	714,915	831,896	+ 116,981
Cost of materials used	\$	7,795,542	9,553,932	+ 1,758,390
Gross value of production	\$	22,754,969	25,879,059	+ 3,124,090
Value added by manufacture	\$	14,959,427	16,325,127	+ 1,365,700

Table 3. - Production, 1933 and 1934.

Principal Products	Unit of Measure	1 9 3 3		1 9 3 4	
		Quantity	Selling Value at Factory \$	Quantity	Selling Value at Factory \$
Broad Silk -					
Real silk	Yard	7,406,119	4,145,295	8,412,119	3,978,433
Artificial silk ..	"	13,872,887	6,629,403	20,227,939	9,812,985
Real and artificial silk, mixed	"	5,146,913	3,514,941	4,466,225	2,547,954
Artificial silk and cotton, mixed ...	"	687,447	542,035	846,964	667,919
Silk, artificial silk, cotton and wool mixtures"		25,124	25,087	21,350	20,307
Real and artificial silk yarns, threads, embroidery thread and their mixtures spun for sale	Pound	4,935,077	5,203,161	7,149,885	5,785,180
All other products, including ribbons, braids and bindings, hosiery and laces ..	-	-	1,708,508	-	2,122,390
Custom and commission work	-	-	986,539	-	943,911
TOTAL PRODUCTS		-	22,754,969	-	25,879,059

THE SILK INDUSTRY IN CANADA, 1934.

Table 4. - Materials Used, 1933 and 1934.

Principal Materials	Unit of Measure	1933		1934	
		Quantity	Cost Value at Factory	Quantity	Cost Value at Factory
			\$		\$
Silk, raw	Pound	1,460,474	2,579,013	1,593,234	2,371,371
Yarns -					
Silk	"	59,758	56,832	12,573	25,947
Artificial silk	"	2,260,615	1,787,927	3,350,285	2,629,965
Spun silk	"	13,464	34,213	79,508	91,929
Cotton	"	452,906	252,940	836,307	343,932
Woollen	"	9,569	8,866	869	1,166
Worsted	"	12,167	14,018	18,056	25,449
Rubber	"	46,857	30,730	(x)	(x)
All other	"	2,089	3,116	63,197	74,941
Acids	-	-	169,866	-	341,745
Sodas	-	-	137,417	-	416,427
Solvents	-	-	5,943	-	266,160
Bleaches	-	-	2,338	-	1,812
Dyestuffs	-	-	72,210	-	429,981
Other chemicals and dyes ..	-	-	1,523,757	-	918,010
All other materials	-	-	476,030	-	-
Throwing, weaving and commission work	-	-	35,242	-	19,700
Dyeing and printing charges	-	-	482,937	-	667,431
Packing and shipping materials	-	-	122,147	-	189,932
TOTAL MATERIALS ...	-	-	7,795,542	-	9,553,932

(x) Included in "all other".

Table 5. - Capital Invested, 1927 - 1934.

Year	Fixed Capital		Working Capital			Total Capital
	Land, buildings, fixtures Machinery, tools, etc.		Materials on hand, Stocks in process, Fuel and Mis-cellaneous supplies, etc.	Inventory value of finished Products on hand	Cash, bills and accounts receivable, Prepaid expenses, etc.	
	\$	\$	\$	\$	\$	\$
1927	13,348,083		2,600,098		6,379,637	22,327,818
1928	16,797,259		3,656,489		5,705,955	26,159,703
1929	17,795,190		4,360,403		6,123,064	28,278,657
1930	18,947,649		5,029,017		6,529,394	30,506,060
1931	21,754,419	2,365,627		2,445,047	5,640,114	32,205,207

THE SILK INDUSTRY IN CANADA, 1934.

Table 5. - Capital Invested, 1927 - 1934. - (Concl'd.)

Year and Provinces	Fixed Capital		Working Capital			Total Capital
	Land, buildings, fixtures, machinery, tools, etc.	Materials on hand, Stocks in process, Fuel and Miscellaneous supplies, etc.	Inventory value of finished products on hand.	Cash, bills and accounts receivable, Prepaid expenses, etc.		
	\$	\$	\$	\$	\$	
<u>1932</u>						
CANADA	18,131,911	2,763,269	2,131,167	4,995,065		28,021,412
Quebec	12,659,372	2,255,711	1,005,518	3,528,805		19,449,406
Ontario	5,472,539	507,558	1,125,649	1,466,260		8,572,006
<u>1933</u>						
CANADA	18,844,213	2,880,159	1,180,113	7,288,385		30,192,870
Quebec	13,475,239	2,275,742	786,162	4,595,114		21,132,257
Ontario	5,368,974	604,417	393,951	2,693,271		9,060,613
<u>1934</u>						
CANADA	22,247,906	2,669,821	2,247,379	7,027,786		34,192,892
Quebec	15,340,101	2,145,187	1,666,594	4,290,544		23,442,426
Ontario	6,907,805	524,634	580,785	2,737,242		10,750,466

Table 6. - Size of Establishments, 1933 and 1934.

Establishments having a Production of-	1933			1934		
	Estab-lish-ments Report-ing	Total Production	Average Production per Estab-lishment	Estab-lish-ments Report-ing	Total Production	Average Production per Estab-lishment
	No.	\$	\$	No.	\$	\$
Under \$200,000 ..	11	865,981	78,726	10	960,573	96,057
\$200,000 to under \$500,000	9	2,798,908	310,990	7	2,427,944	346,849
\$500,000 to under \$1,000,000 ...	4	3,263,088	815,772	7	5,015,009	716,429
\$1,000,000 and over	5	15,826,992	3,165,398	5	17,475,533	3,495,106
TOTAL AND AVERAGE	29	22,754,969	784,654	29	25,879,059	892,381

THE SILK INDUSTRY IN CANADA, 1934.

Table 6. - Size of Establishments, 1933 and 1934. - (Concl'd)

Establishments having a Capital Investment of -	1 9 3 3			1 9 3 4		
	Estab-lish-ments Report-ing	Total Capital	Average Capital per Estab-lishment	Estab-lish-ments Report-ing	Total Capital	Average Capital per Estab-lishment
	No.	\$	\$	No.	\$	\$
Under \$200,000 ...	12	891,185	74,265	11	850,043	77,276
\$200,000 to under \$500,000	6	1,800,273	300,046	8	2,535,635	316,955
\$500,000 to under \$1,000,000	5	3,410,520	682,104	4	2,975,363	743,840
\$1,000,000 and over	6	24,090,892	4,015,149	6	27,831,831	4,638,638
TOTAL AND AVERAGE	29	30,192,870	1,041,133	29	34,192,892	1,179,062

Establishments Having an Average Employment of -	1 9 3 3			1 9 3 4		
	Estab-lish-ments Report-ing	Total Employees	Average Employees per Estab-lishment	Estab-lish-ments Report-ing	Total Employees	Average Employees per Estab-lishment
	No.	No.	No.	No.	No.	No.
20 to under 50 employees	9	274	30.4	7	215	30.7
50 to under 100 employees	5	335	67.0	4	253	63.2
100 to under 200 employees	4	566	141.5	7	1,049	149.8
200 to under 500 employees	6	1,442	240.3	6	1,547	157.8
500 employees and over	5	5,184	1036.8	5	6,156	1231.2
TOTAL AND AVERAGE	29	7,801	269.0	29	9,220	317.9

Table 7. - Employees by Sex and Remuneration and by Provinces, 1933 and 1934.

	1 9 3 3			1 9 3 4		
		CANADA	QUEBEC	ONTARIO		
Salaries						
Total	No.	680	529	151		
Male	No.	467	356	111		
Female	No.	213	173	40		
Total salaries	\$	1,308,883	988,268	320,615		

THE SILK INDUSTRY IN CANADA, 1934.

Table 7. - Employees by Sex and Remuneration and by Provinces, 1933 and 1934. -
(Concluded.)

		CANADA	QUEBEC	ONTARIO
Wage-earners -				
Monthly average	No.	7,121	4,983	2,138
Male	No.	4,026	2,997	1,029
Female	No.	3,095	1,986	1,109
Total wages	\$	4,829,649	3,144,501	1,685,148
All Employees -				
Total	No.	7,801	5,512	2,289
Male	No.	4,493	3,353	1,140
Female	No.	3,308	2,159	1,149
Total salaries and wages	\$	6,138,532	4,132,769	2,005,763
<u>1 9 3 4</u>				
Salaried Employees -				
Total	No.	912	748	164
Male	No.	619	499	120
Female	No.	293	249	44
Total salaries	\$	1,559,068	1,205,526	353,542
Wage-earners -				
Monthly average	No.	8,308	5,906	2,402
Male	No.	4,907	3,677	1,230
Female	No.	3,401	2,229	1,172
Total wages	\$	5,976,904	3,897,838	2,079,066
All Employees -				
Total	No.	9,220	6,654	2,566
Male	No.	5,526	4,176	1,350
Female	No.	3,694	2,478	1,216
Total salaries and wages	\$	7,535,972	5,103,364	2,432,608

THE SILK INDUSTRY IN CANADA, 1934.

Table 8. - Monthly Employment of Wage-earners, 1932 - 1934.

Months	1 9 3 2			1 9 3 3			1 9 3 4		
	Male	Female	Total	Male	Female	Total	Male	Female	Total
	No.	No.	No.	No.	No.	No.	No.	No.	No.
January	3,272	2,755	6,027	3,855	2,820	6,675	4,666	3,372	8,038
February	3,501	2,928	6,429	3,812	2,935	6,747	4,820	3,491	8,311
March	3,627	2,925	6,552	3,716	2,818	6,534	4,916	3,512	8,428
April	3,657	2,889	6,546	3,760	2,870	6,630	5,039	3,521	8,560
May	3,630	2,870	6,500	3,791	2,909	6,700	5,103	3,466	8,569
June	3,554	2,830	6,384	3,813	2,961	6,774	5,092	3,408	8,500
July	3,515	2,794	6,309	3,929	3,091	7,020	4,889	3,301	8,190
August	3,537	2,814	6,351	4,054	3,262	7,316	4,764	3,309	8,073
September	3,663	2,895	6,558	4,268	3,339	7,607	4,797	3,269	8,066
October	3,646	2,848	6,494	4,393	3,377	7,770	4,847	3,348	8,195
November	3,667	2,773	6,440	4,421	3,371	7,792	4,895	3,384	8,279
December	3,681	2,707	6,388	4,524	3,382	7,906	5,036	3,414	8,460
MONTHLY AVERAGE	3,581	2,837	6,418	4,026	3,095	7,121	4,905	3,399	8,304

Table 9. - Number of Wage-earners in Month of Highest Employment and Their Regular Hours of Work in 1933 and 1934.

Number of Hours Worked per Week	Number of Employees		Number of Hours Worked per Week	Number of Employees	
	1933	1934		1933	1934
40 hours or less	92	118	51 - 53 hours ...	2,108	1,474
41 - 43 hours	5	63	54 hours	481	128
44 hours	20	36	55 hours	2,130	2,732
45 - 47 hours	805	181	56 - 59 hours ...	489	1,260
48 hours	643	1,240	60 hours	477	222
49 - 50 hours	913	1,458	Over 60 hours ...	68	238

The above table does not include overtime.

Table 10. - Power Installation, 1933 and 1934.

Classes of Power	1 9 3 3		1 9 3 4	
	Number of Units	Manufacturers' Rating of Horse-power Capacity	Number of Units	Manufacturers' Rating of Horse-power Capacity
Steam engines and steam turbines	9	1,000	15	2,833
Gasoline, gas and oil engines other than diesel	-	-	2	325
Electric motors operated by purchased power	13,483	13,234	19,365	14,674
TOTAL POWER USED IN MANUFACTURING	13,492	14,234	19,382	17,832

THE SILK INDUSTRY IN CANADA, 1934.

Table 10. - Power Installation, 1933 and 1934. - (Concluded).

Classes of Power	1 9 3 3		1 9 3 4	
	Number of Units	Manufacturers' Rating of Horse-power Capacity	Number of Units	Manufacturers' Rating of Horse-power Capacity
Carried Forward -	13,492	14,234	19,382	17,832
Electric motors operated by purchased power	13,483	13,234	19,365	14,674
Electric motors operated by power generated in the establishment	419	872	470	850
Total Electric Motors .	13,902	14,106	19,835	15,524
Boiler installation	35	6,566	26	6,414

Table 11. - Consumption of Fuel and Electricity, 1933 and 1934.

Kinds of Fuel	Unit of Measure	1 9 3 3		1 9 3 4	
		Quantity	Cost Value at Factory	Quantity	Cost Value at Factory
			\$		\$
Coal -	Ton				
Bituminous	(2,000 Lbs.)	29,369	184,735	30,838	186,179
Anthracite	"	1,957	14,983	7,770	33,536
Lignite	"	-	-	60	495
Gasoline	Gal. (Imp.)	22,770	6,269	12,300	3,113
Fuel or diesel oil	" "	3,147,293	188,458	3,471,780	219,137
Wood	Cord	10	20	60	116
TOTAL COST OF FUEL .	-	-	394,465	-	422,576
Electricity purchased, for power, (including service charges)	K.W.H.	45,878,908	320,450	62,276,972	389,320
TOTAL COST OF FUEL AND ELECTRICITY	-	-	714,915	-	831,896

THE SILK INDUSTRY IN CANADA, 1934.

Table 12. - Mechanical Equipment, 1932 - 1934.

		1 9 3 2	1 9 3 3	1 9 3 4
Spindles -				
Throwing	Number	41,056	44,830	52,022
Winding (raw silk only)	"	35,681	39,031	38,860
Spinning and twisting	"	36,960	52,124	61,371
Redrawing	"	3,346	5,786	10,064
Reeling	"	568	566	537
Spun silk	"	1,600	-	-
Spinning	"	17,728	15,216	18,316
Doublers	"	4,214	5,579	7,127
Others, not specified	"	70	798	661
Looms (with or without Jacquard attachment) -				
40 inch or under reed space ..	Number	142	428	575
Over 40 inch reed space	"	2,290	2,572	2,868
Ribbon	"	86	81	91
Jacquard machines (include all, whether operated with or disconnected from looms)				
	Number	198	209	238
Braiding machines				
	Number	1,541	1,029	1,653
Hosiery knitting machines				
	Number	167	210	166
Redrawers				
	Number	760	280	298
Other machinery -				
Warpers	Number	30	44	79
Cone winders	"	126	145	239
Winding frames	"	456	84	183
Stretchers	"	192	-	6
Quilling	"	113	349	2,029
All other	"	18	75	232

THE SILK INDUSTRY IN CANADA, 1934.

Table 13. - Imports of Real and Artificial Silk and Their Manufactures, 1933 and 1934.

	Unit of Measure	1 9 3 3		1 9 3 4	
		Quantity	Value	Quantity	Value
			\$		\$
REAL SILK AND MANUFACTURES -					
Silk cocoons, raw silk not more advanced than singles, not to include material wholly or partially degummed -					
United States	Pound	2,304,247	4,178,035	2,521,604	3,597,644
China	"	73,413	134,736	2,616	2,668
Japan	"	36,446	121,995	122,830	220,521
Other Countries	"	1,869	3,459	-	-
TOTAL	"	2,415,975	4,438,225	2,647,050	3,820,833
Garnetted material, wholly of silk, artificial silk or similar synthetic fibres, produced by chemical processes, obtained by disintegrating cocoons, yarns or fabrics prepared for use; filaments or loose fibres, wholly of silk, artificial silk or similar synthetic fibres, produced by chemical processes, not more advanced than in the form of sliver, waste portions of unused fabrics, wholly of silk, artificial silk or similar synthetic fibres, n.o.p., not to include remnants nor mill ends -					
United Kingdom	Pound	48,349	15,295	45,730	19,052
United States	"	23,388	6,277	16,261	5,592
Germany	"	90,678	31,993	1,916	864
Other Countries	"	1,202	797	100	130
TOTAL	"	163,617	54,362	64,007	25,698

THE SILK INDUSTRY IN CANADA, 1934.

Table 13. - Imports of Real and Artificial Silk and Their Manufactures, 1933 and 1934. -
(Continued.)

	Unit of Measure	1 9 3 3		1 9 3 4	
		Quantity	Value \$	Quantity	Value \$
Yarns and warps, wholly of thrown silk in the gum, n.o.p.-					
United Kingdom	Pound	9	11	-	-
United States	"	391	921	723	1,689
Japan	"	2,600	4,554	-	-
Other Countries	"	46	63	5,800	9,272
TOTAL	"	3,046	5,549	6,523	10,961
Rovings, yarns and warps, wholly of spun silk, generally known as schappe and bourette, not more advanced than singles, n.o.p. -					
United Kingdom	Pound	36	141	100	300
United States	"	2,504	5,145	943	2,375
Other Countries	"	70	84	-	-
TOTAL	"	2,610	5,370	1,043	2,675
Rovings, yarns and warps, wholly or in part of silk, n.o.p., including threads, cords or twist for sewing, embroidering or other purposes -					
United Kingdom	-	-	31,166	-	39,195
United States	-	-	38,524	-	35,030
Other Countries	-	-	495	-	6,117
TOTAL	-	-	70,185	-	80,342
Yarns and warps, wholly of thrown silk, in the gum, rovings, yarns and warps, wholly of spun silk, not coloured, imported by manufacturers for use exclusively in their own factories for knitting underwear, for weaving, or for the manufacture of silk thread -					
United Kingdom	Pound	13,586	38,758	23,074	59,739
United States	"	6,573	12,813	21,437	36,866
Switzerland	"	4,038	8,312	3,458	7,460
Other Countries	"	460	1,062	3,666	8,940
TOTAL	"	24,657	60,945	51,635	113,005

THE SILK INDUSTRY IN CANADA, 1934.

Table 13. - Imports of Real and Artificial Silk and Their Manufactures, 1933 and 1934.-
(Continued)

	Unit of Measure	1 9 3 3		1 9 3 4	
		Quantity	Value	Quantity	Value
			\$		\$
Woven fabrics, wholly or in chief part by weight of silk, in the gum, not degummed or bleached, not less than 20 inches in width, weighing not more than 7 lb. per 100 yds., imported for the purpose of being degummed and finished in Canada -					
United States	Yard	-	-	1,090	962
Japan	"	41,203	8,333	57,382	10,816
Other Countries	"	169	132	7,012	2,106
TOTAL	"	41,372	8,465	65,484	13,884
Woven fabrics, wholly or in part of silk, not to contain wool, not including fabrics in chief part by weight of artificial silk, n.o.p. -					
United Kingdom	Yard	16,652	19,722	19,166	27,056
United States	"	230,567	179,172	197,380	171,606
France	"	79,973	65,245	111,541	85,799
Japan	"	129,028	39,601	96,642	30,491
Other Countries	"	25,444	19,154	12,912	15,890
TOTAL	"	481,664	322,894	437,641	330,842
Woven fabrics, wholly of silk, 26 inches in width or less, n.o.p. -					
United Kingdom	Yard	1,729	3,015	2,993	5,706
United States	"	1,947	1,151	2,232	500
France	"	239,437	8,813	173,471	9,743
Japan	"	73,171	15,482	97,650	13,269
Other Countries	"	537	873	1,176	2,108
TOTAL	"	316,821	29,334	277,532	31,326

THE SILK INDUSTRY IN CANADA, 1934.

Table 13. - Imports of Real and Artificial Silk and Their Manufactures, 1933 and 1934.-
(Continued.)

	Unit of Measure	1933		1934	
		Quantity	Value \$	Quantity	Value \$
Woven fabrics with cut pile, generally known as velvets and plushes, with pile wholly of silk or artificial silk, but not containing wool, exceeding 24 inches in width -					
United Kingdom	Yard	9,846	11,878	9,448	11,549
United States	"	14,571	17,918	223,397	288,638
France	"	602,677	568,066	338,296	276,942
Germany	"	15,763	23,175	15,474	16,280
Other Countries	"	10,812	11,698	5,862	6,391
TOTAL	"	653,669	632,735	592,477	599,800
Woven fabrics with cut pile, generally known as velvets and plushes, with pile wholly of silk or artificial silk, but not containing wool, 24 inches in width or less, n.o.p. -					
United Kingdom	Yard	3,904	3,215	13,120	8,541
United States	"	2,452	4,057	1,951	1,763
France	"	21,971	13,573	93,699	44,568
Other Countries	"	10,241	6,376	2,339	1,633
TOTAL	"	38,568	27,221	111,209	56,505
Woven fabrics not exceeding 12 inches in width, generally known as "ribbons", whether with cut pile or not, wholly or in part of silk but not containing wool -					
United Kingdom	-	-	3,737	-	3,434
United States	-	-	22,150	-	32,598
France	-	-	18,080	-	21,126
Switzerland	-	-	14,829	-	10,674
Other Countries	-	-	4,391	-	2,503
TOTAL	-	-	63,187	-	70,335
Bolting cloth, not made up -					
United Kingdom	-	-	663	-	30
United States	-	-	34,938	-	39,727
Other Countries	-	-	4,568	-	3,760
TOTAL	-	-	40,169	-	43,517

THE SILK INDUSTRY IN CANADA, 1934.

Table 13. -- Imports of Real and Artificial Silk and Their Manufactures, 1933 and 1934.--
(Continued.)

	Unit of Measure	1933		1934	
		Quantity	Value	Quantity	Value
			\$		\$
Woven fabrics, of a kind not made in Canada, wholly, or in chief part, by weight, of silk or artificial silk, or both, imported in the web in lengths of not less than 5 yards each by manufacturers of neckties, scarves or mufflers, for use exclusively in the manufacture of such articles in their own factories --					
United Kingdom	-	-	16,182	-	24,470
United States	-	-	95,817	-	176,513
Czecho-Slovakia	-	-	40,425	-	82,413
France	-	-	24,111	-	13,983
Germany	-	-	224,948	-	201,197
Italy	-	-	74,417	-	159,877
Switzerland	-	-	115,802	-	95,564
Other Countries	-	-	47,878	-	65,354
TOTAL	-	-	639,580	-	819,371
Woven fabrics, of a kind not made in Canada, wholly or in chief part by weight of silk or artificial silk, or both, or with warps, wholly of silk, and not exceeding 26 inches in width and with at least one natural selvage imported in the web in lengths of not less than ten yards each by manufacturers of umbrellas for use in the manufacture of umbrellas in their own factories. ...					
United Kingdom	-	-	9,576	-	12,593
France	-	-	25,126	-	24,256
Other Countries	-	-	9,537	-	11,914
TOTAL	-	-	44,239	-	48,743

THE SILK INDUSTRY IN CANADA, 1934.

Table 13. - Imports of Real and Artificial Silk and Their Manufactures, 1933 and 1934.-
(Continued)

	Unit of Measure	1 9 3 3		1 9 3 4	
		Quantity	Value	Quantity	Value
			\$		\$
Knitted fabrics, wholly or in part of silk -					
United Kingdom	Yard	8	74	12	13
United States	"	207	1,198	410	866
Other Countries	"	1	2	-	-
TOTAL	"	216	1,274	422	879
Blouses and shirtwaists, silk -					
United Kingdom	Oz.	40	26	16	17
United States	"	5,184	2,400	3,661	1,612
Other Countries	"	3,619	3,824	5,170	6,178
TOTAL	"	8,843	6,250	8,847	7,807
Corsets of silk -					
United Kingdom	Oz.	56	69	-	-
United States	"	257	198	646	317
Other Countries	"	462	267	167	92
TOTAL	"	775	534	813	409
Shirts, silk -					
United Kingdom	Oz.	280	400	157	427
United States	"	179	112	16	10
Other Countries	"	441	125	173	39
TOTAL	"	900	637	346	476
Socks and stockings, wholly or in part of silk -					
United Kingdom	Doz. Pr.	513	4,289	214	2,429
United States	" "	310	6,513	289	5,221
Other Countries	" "	325	3,113	145	2,111
TOTAL	" "	1,148	13,915	648	9,761
Underwear, knitted, silk -					
United Kingdom	Lb.	-	92	26	403
United States	"	-	144	142	517
Other Countries	"	-	339	25	141
TOTAL	"	-	625	193	1,061

THE SILK INDUSTRY IN CANADA, 1934.

Table 13. -- Imports of Real and Artificial Silk and Their Manufactures, 1933 and 1934.-
(Continued.)

	Unit of Measure	1 9 3 3		1 9 3 4	
		Quantity	Value	Quantity	Value
			\$		\$
Clothing, silk, n.o.p. -					
United Kingdom	Oz.	94,417	77,225	113,331	104,952
United States	"	766,353	495,105	781,974	531,979
China	"	96,699	38,049	97,308	39,638
France	"	93,618	105,653	77,630	96,909
Japan	"	42,113	12,838	45,651	12,250
Other Countries	"	26,501	20,977	33,060	23,409
TOTAL	"	1,119,701	749,847	1,148,954	309,187
Handkerchiefs, silk -					
United Kingdom	Oz.	2,779	2,749	8,052	7,638
United States	"	249	411	405	333
Japan	"	28,479	15,276	32,189	15,737
Other Countries	"	6,860	6,340	10,240	5,548
TOTAL	"	38,367	24,776	50,886	29,261
Articles made from woven fabrics and all textile manufactures, n.o.p., of which silk is the component of chief value -					
United Kingdom	Oz.	20,304	11,650	20,909	10,225
United States	"	34,120	14,008	22,931	8,961
France	"	8,501	6,074	6,928	3,415
Japan	"	12,808	4,171	15,652	4,650
Other Countries	"	13,122	4,328	20,828	5,913
TOTAL	"	88,855	40,231	87,248	33,164

THE SILK INDUSTRY IN CANADA, 1934.

Table 13. - Imports of Real and Artificial Silk and Their Manufactures, 1933 and 1934.-
(Continued.)

	Unit of Measure	1933		1934	
		Quantity	Value	Quantity	Value
			\$		\$
ARTIFICIAL SILK AND ITS MANUFACTURES					
Rovings, yarns and warps, wholly of artificial silk, or similar synthetic fibres, produced by chemical processes, not more advanced than singles, not coloured -					
United Kingdom	Pound	223,007	191,650	311,275	245,379
United States	"	4,356	4,376	30,211	20,066
France	"	229,772	149,956	17,737	13,589
Germany	"	251,268	202,294	196,147	144,703
Netherlands	"	829,238	368,373	517,143	248,069
Switzerland	"	33,509	17,229	9,964	7,077
Other Countries	"	22,610	8,798	2,314	6,427
TOTAL	"	1,593,760	942,676	1,084,791	685,310
Rovings, yarns and warps, wholly or in part of artificial silk or similar synthetic fibres, produced by chemical processes, n.o.p., including threads, cords or twist for sewing, embroidering or other purposes, not to contain silk -					
United Kingdom	Pound	21,876	20,219	7,357	12,625
United States	"	14,221	22,142	56,877	61,751
Germany	"	58,143	52,346	23,100	21,217
Switzerland	"	41,367	32,166	6,754	5,623
Other Countries	"	27,650	25,174	18,327	5,617
TOTAL	"	163,257	152,047	102,415	106,833

THE SILK INDUSTRY IN CANADA, 1934.

Table 13. - Imports of Real and Artificial Silk and Their Manufactures, 1933 and 1934.-
(Continued.)

	Unit of Measure	1 9 3 3		1 9 3 4	
		Quantity	Value \$	Quantity	Value \$
Rovings, yarns and warps, wholly of spun artificial silk or similar synthetic fibres produced by chemical processes, not coloured, imported by manufacturers for use exclusively in the manufacture of cut pile fabrics, in their own factories (From April 18, 1934.) -					
United Kingdom	Pound	--	--	21,926	12,148
United States	"	--	--	1,468	1,468
Other Countries	"	--	--	-	-
TOTAL	"	-	-	23,394	13,616
Woven fabrics, wholly or in part of artificial silk or similar synthetic fibres produced by chemical processes, not to contain wool, not including fabrics in chief part by weight of silk, n.o.p. ...					
United Kingdom	Pound	938,046	1,102,171	801,925	890,574
United States	"	64,447	122,729	85,439	199,666
France	"	19,414	43,768	21,920	58,963
Italy	"	14,816	15,481	14,581	14,779
Japan	"	61,758	69,438	54,292	56,493
Other Countries	"	29,261	37,231	32,837	38,672
TOTAL	"	1,127,742	1,390,818	1,010,994	1,259,147

THE SILK INDUSTRY IN CANADA, 1934.

Table 13. - Imports of Real and Artificial Silk and Their Manufactures, 1933 and 1934.-
(Continued.)

	Unit of Measure	1933		1934	
		Quantity	Value \$	Quantity	Value \$
Woven fabrics, not exceeding twelve inches in width, generally known as "ribbons", whether with cut pile or not, wholly or in part of artificial silk or similar synthetic fibres, not produced by chemical processes, but not containing silk or wool -					
United Kingdom	-	-	3,751	-	3,820
United States	-	-	16,493	-	32,802
France	-	-	30,095	-	24,746
Switzerland	-	-	50,117	-	46,894
Other Countries	-	-	11,640	-	8,071
TOTAL	-	-	112,096	-	116,333
Knitted fabrics, wholly or in part of artificial silk -					
United Kingdom	Yard	40	20	386	1,096
United States	"	12,436	20,672	9,412	20,477
Other Countries	"	-	-	8	46
TOTAL	"	12,476	20,692	9,806	21,619
Socks and stockings, wholly or in part of artificial silk or similar synthetic fibres, produced by chemical processes, but not containing silk -					
United Kingdom	Doz. Pr.	422	1,685	497	2,224
United States	" "	4	20	3	29
Other Countries	" "	13	98	30	83
TOTAL	" "	439	1,803	530	2,536
Corsets of artificial silk -					
United Kingdom	Oz.	1,040	79	-	-
United States	"	4,708	949	1,038	410
Other Countries	"	1,198	442	203	90
TOTAL	"	6,946	1,470	1,241	500

THE SILK INDUSTRY IN CANADA, 1934.

Table 13. - Imports of Real and Artificial Silk and Their Manufactures, 1933 and 1934.-
(Concluded.)

	Unit of Measure	1 9 3 3		1 9 3 4	
		Quantity	Value	Quantity	Value
			\$		\$
Clothing and wearing apparel, chiefly of artificial silk -					
United Kingdom	Oz.	82,921	29,200	111,661	35,559
United States	"	82,355	33,849	116,818	59,650
France	"	25,463	19,008	23,806	18,939
Other Countries	"	66,104	17,632	46,170	11,438
TOTAL	"	256,843	99,689	298,455	125,586
Handkerchiefs, artificial silk -					
United Kingdom	Oz.	5,757	984	4,890	1,135
United States	"	64	12	-	-
Other Countries	"	3,051	602	1,083	231
TOTAL	"	8,872	1,598	5,973	1,366
Articles made from woven fabrics and all textile manufactures, n.o.p., wholly or partially manufactured; of which the component of chief value is artificial silk or similar synthetic fibres, produced by chemical processes -					
United Kingdom	Oz.	182,092	27,356	270,321	31,079
United States	"	39,583	12,041	45,048	13,088
France	"	7,888	3,570	5,323	2,210
Germany	"	22,800	5,079	4,426	1,019
Other Countries	"	14,665	2,257	16,493	1,556
TOTAL	"	267,028	50,303	341,609	48,952

THE SILK INDUSTRY IN CANADA, 1934.

Table 14. - Exports of Real and Artificial Silk Manufactures, 1933 and 1934 by Principal Countries.

	Unit of Measure	1933		1934	
		Quantity	Value \$	Quantity	Value \$
REAL SILK AND MANUFACTURES -					
Socks and stockings of silk -					
United Kingdom	Doz. Pr.	24,982	202,322	33,200	250,946
United States	" "	169	1,041	324	1,862
British Guiana	" "	1,297	9,107	1,373	8,760
British South Africa	" "	90,791	614,126	144,059	935,788
British West Indies	" "	10,127	65,761	17,064	100,723
Newfoundland	" "	1,429	9,052	2,853	17,440
New Zealand	" "	37,475	217,710	43,515	256,765
Southern Rhodesia	" "	1,882	13,947	4,055	27,618
Denmark	" "	1,100	9,425	171	1,451
Norway	" "	966	8,658	552	4,730
Sweden	" "	1,848	15,913	199	1,772
Switzerland	" "	2,206	15,693	4,433	28,353
Other Countries	" "	3,261	23,733	11,347	76,299
TOTAL	" "	177,533	1,206,488	263,115	1,712,507
Silk, manufactures of, n.o.p. -					
United Kingdom	-	-	24,484	-	103,446
United States	-	-	1,987	-	2,243
Australia	-	-	23,364	-	28,112
British South Africa	-	-	8,001	-	7,902
British West Indies	-	-	10,594	-	9,611
Newfoundland	-	-	10,896	-	17,979
New Zealand	-	-	3,952	-	7,491
Argentina	-	-	8,005	-	-
Other Countries	-	-	3,013	-	13,991
TOTAL	-	-	94,296	-	190,775
ARTIFICIAL SILK AND MANUFACTURES -					
Artificial silk underwear (From April 1st, 1933) -					
United Kingdom	-	-	471	-	600
United States	-	-	223	-	866
British South Africa	-	-	34,501	-	54,001
British West Indies	-	-	3,812	-	7,898
Newfoundland	-	-	1,471	-	3,424
Southern Rhodesia	-	-	1,361	-	-
Other Countries	-	-	2,748	-	8,610
TOTAL	-	-	44,587	-	75,399

THE SILK INDUSTRY IN CANADA, 1934.

Table 14. - Exports of Real and Artificial Silk Manufactures, 1933 and 1934, by Principal Countries. - (Concluded.)

	Unit of Measure	1933		1934	
		Quantity	Value \$	Quantity	Value \$
Artificial silk and manufactures of, n.o.p. -					
United Kingdom	-	-	39,331	-	106,087
United States	-	-	763	-	1,035
British South Africa ...	-	-	21,223	-	27,111
British West Indies	-	-	6,951	-	1,984
Newfoundland	-	-	3,097	-	18,175
Australia	-	-	-	-	6,354
New Zealand	-	-	-	-	27,269
Palestine	-	-	1,873	-	-
Other Countries	-	-	4,193	-	12,961
TOTAL	-	-	77,431	-	200,976
TOTAL EXPORTS OF REAL AND ARTIFICIAL SILK AND MANUFACTURES -					
Real silk	-	-	1,300,784	-	1,903,282
Artificial silk	-	-	122,018	-	276,375
TOTAL EXPORTS	-	-	1,422,802	-	2,179,657

A P P E N D I X

Firms Engaged in the Silk Industry in Canada, 1934.

QUEBEC

Acton Vale Silk Mills Limited,	Acton Vale
Canadian T. S. R. of Lyons Limited,	Cap de la Madeleine
Belding-Corticelli Limited,	Coaticook
Bruck Silk Mills Limited,	Cowansville.
M. E. Binz Silk Company of Danville Ltd.,	Danville
Canadian Celenese Limited,	Drummondville
Louis Roessel & Company Limited,	Drummondville
British American Silk Mills Limited,	Granby
Carl Stohn of Canada Limited,	Granby
Stark Bros. Ribbon Corporation of Canada, Limited,	Granby
Associated Textiles of Canada Limited,	Louiseville
M. E. Binz Company Limited,	Montmagny
Belding-Corticelli Limited,	1455 Shearer Street, Montreal.

THE SILK INDUSTRY IN CANADA, 1934.

QUEBEC - (Concluded.)

Royal Silk Mills of Canada, Incorporated,	401 Marien Avenue, Montreal.
Canadian Silk Mills, Reg'd.,	St. Hyacinthe
Consolidated Silk Mills Limited,	St. Hyacinthe
Albert-Godde Bedin Limited,	St. Johns
Belding-Corticelli Limited,	St. Johns
Valleyfield Silk Mills Limited,	Valleyfield

ONTARIO

Slingsby Silks Limited,	Brantford
Courtaulds, Canada, Limited,	Cornwall
Newlands & Company Limited,	Galt
Riverdale Silk Mills Limited,	Galt
B. Edmund David Silk Mills of Canada Ltd.,	Hawkesbury
Grouts' Limited,	Welland Avenue, St. Catharines.
Dominion Silk Mills Limited,	2 Mark Street, Toronto.
Dominion Rayon Weaving Company Limited,	Leaside
L. & L. Textiles Limited,	221 Sterling Road, Toronto.
Ribbon Manufacturing Company,	231 Front Street, East, Toronto.

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