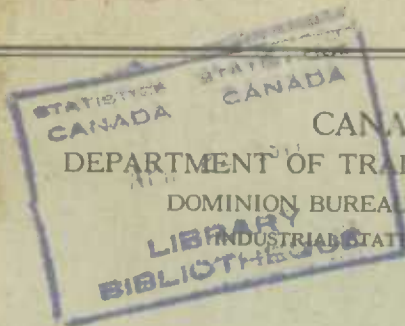


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# THE TEXTILE INDUSTRIES OF CANADA

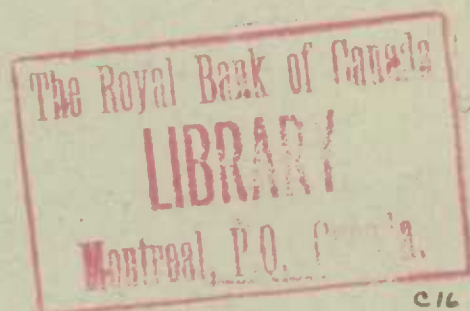
IN THE DECADE 1917-26

Published by authority of the Hon. James Malcolm, M.P.,  
Minister of Trade and Commerce



OTTAWA  
F. A. ACLAND  
PRINTER TO THE KING'S MOST EXCELLENT MAJESTY  
1929

*Price, 50 cents*



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1917/26

CANADA  
DEPARTMENT OF TRADE AND COMMERCE  
DOMINION BUREAU OF STATISTICS  
INDUSTRIAL STATISTICS BRANCH

*Canada Dominion Bureau of Statistics*

# THE TEXTILE INDUSTRIES OF CANADA

IN THE DECADE 1917-26

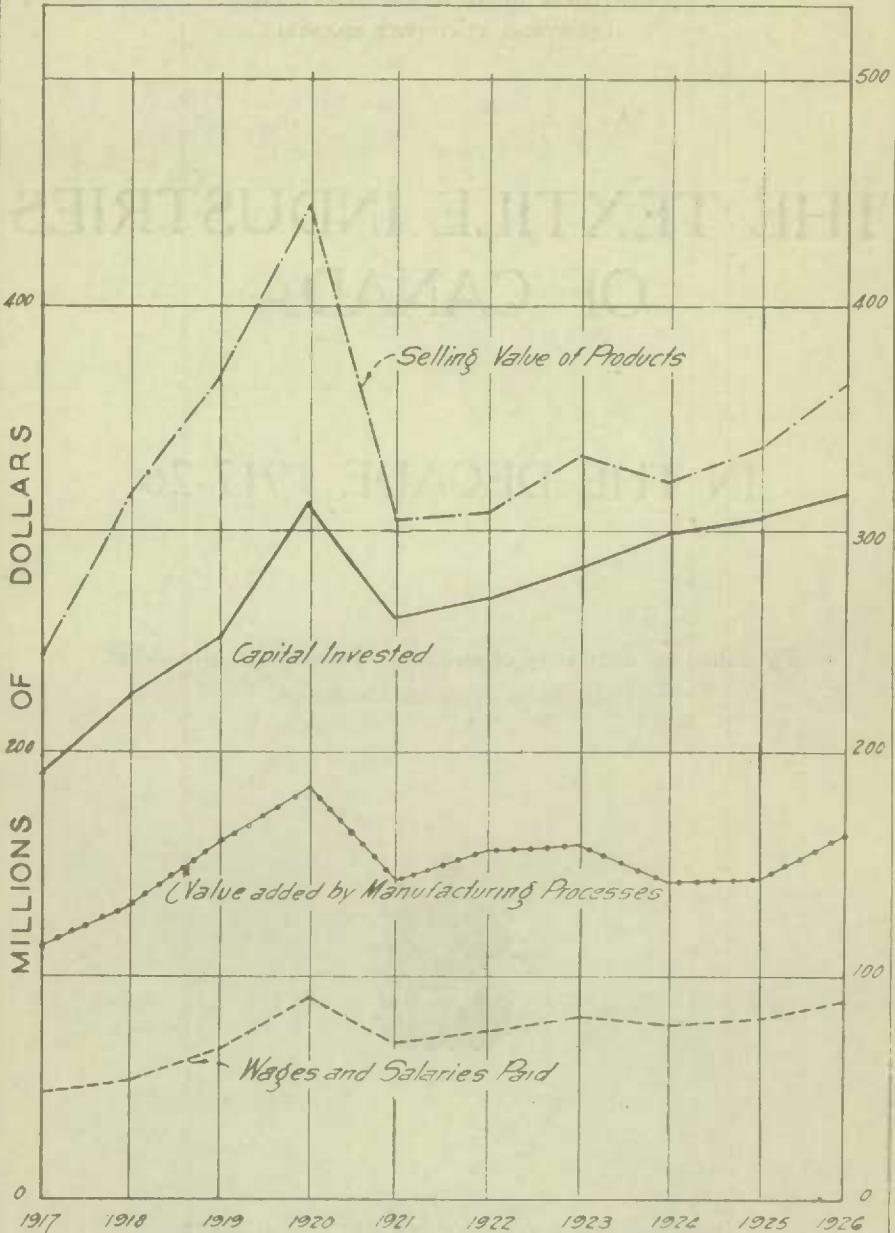
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OTTAWA  
F. A. ACLAND  
PRINTER TO THE KING'S MOST EXCELLENT MAJESTY  
1927

APR 2 1929

# MAIN FEATURES OF GROWTH OF TEXTILE INDUSTRIES 1917-1926



**NOTE:** The extraordinarily high values of Production etc. in the years from 1918 to 1920 are due to the prevailing inflation of that period, which affected the textile industries to a greater extent than almost any others.



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## ERRATA

*Page 43*—Middle of second paragraph should read "\$74,420,017 in 1921" instead of \$79,771,988 in 1921.

*Page 43*—First line of third paragraph should read "fell to 16,441 in 1921" instead of 16,950.

*Page 44*—Substitute the following for 1921.

1921	Establish- ments	Capital	Salaried employees	Salaries	Wage- earners	Wages
	No.	\$	No.	\$	No.	\$
Cotton yarn and cloth.....	31	65,947,429	403	921,691	14,735	10,584,546
Cotton thread.....	4	3,292,363	64	139,457	420	269,707
Cotton, other than above...	30	5,180,225	256	551,640	563	470,300
	65	74,420,017	723	1,612,788	15,718	11,324,553

1921	Cost of fuel	Power installation	Cost of materials used	Selling value of products	Value added by manufacture
	\$	h.p.	\$	\$	\$
Cotton yarn and cloth.....	1,355,121	79,105	35,157,233	65,978,596	30,821,363
Cotton thread.....	15,110	1,679	2,024,110	3,363,696	1,339,586
Cotton, other than above.....	49,723	1,366	3,867,665	6,257,793	2,390,128
	1,419,954	82,150	41,049,008	75,600,085	34,551,077

*Page 63*—Total value added by manufacture in 1921 should read \$2,390,128 instead of \$2,389,128.

*Page 64*—Batting and wadding 1923. Value added by manufacture should read \$566,820

Total 1923

"

"

"

\$2,856,991

Total 1925

"

"

"

\$2,603,364

*Page 67*—Fifth paragraph, first line, \$151,022 should read \$151,322

" third line, \$1,723,103 " \$1,723,403

" sixth line, \$12,473,533 " \$12,473,233

*Page 68*—Table 54, 1921 Cost of materials used should read \$11,112,240

" " Selling value of products " \$23,481,860

" " Value added by manufacture " \$12,369,620

" 1925 Selling value of products " \$31,249,900

" " Value added by manufacture " \$12,473,233

## PREFACE

The scheme of classification used in the Census of Manufactures splits up the country's industries into nine main groups. The basis of this classification is the chief component raw material used in each industry; that is, industries using a common raw material are grouped together for convenience of observation and record. In other analyses made in the Bureau of Statistics industries whose products serve a common purpose, e.g., food, clothing, personal utilities, house furnishings, producers' materials, are grouped. In still other analyses, manufacturing industries are grouped according to the origin of the raw material, the farm, the forest, the mine, the fisheries, etc.

The principle of classification by chief component raw material cannot be applied with absolute precision in the highly complex organization of modern industry. It is easy to group the primary industries about their chief materials used, and such industries as fish-packing, lumbering and fruit-canning are easily sorted into their respective groups of animal or vegetable products. But with the secondary manufacturing industries the problem is more difficult.

The Textile Group of industries uses common raw materials, and also employs at some stage in manufacture a common process of spinning and weaving. The common fibrous quality of the materials used (cotton, wool, and silk, both natural and artificial) is the primary ground of the combination of these separate industries into a single group. Further subdivision within the Textile Group is on the basis of component material—cotton, woollen, silk and linen. Even in the spinning and weaving stage of the manufacturing process, however, it is impossible to adhere closely to the scheme of classification by chief component material, for yarns and cloth are made of cotton and wool, silk and wool, and cotton and silk—and silk itself may be natural, or artificial, or a blend of the two. These combinations put strict or rigid system classification by component material out of the question. What we can effect is (a) a first rough grouping into cotton, woollen, silk, and linen textiles, (b) a second grouping based on the final purpose of the product, and (c) a supplementary grouping cutting across the other two classes and based on the technique of the industry. An example of the second kind of grouping is the "Hat and Cap" industry. Firms whose principal product is hats or caps are taken as a unit in the Census of Industry. Their raw materials used include woollen cloth, wool felt, cotton, silk, leather and straw braiding. The only criterion which can be used is the common purpose, irrespective of constituent materials, that all headgear serves. The "Knit-goods" industry illustrates the third kind of grouping, based on the character of the manufacturing process rather than on the materials used or the purpose served by the product.

On the above basis of classification the Textile Group of industries is subdivided into some twenty-three sub-groups, as under:—

Cotton Textiles, comprising:

- Cotton yarn and cloth
- Cotton thread
- Cotton and wool waste
- Batting and wadding
- Cotton textiles not elsewhere specified

Woollen Textiles, comprising:

- Woollen yarn
- Woollen cloth
- Carpets
- Woollen Goods not elsewhere specified

Hosiery and Knit-goods

Fabric gloves and mittens

Silk goods

Hats and caps, including factory millinery

Men's factory clothing

Women's factory clothing, including laces and embroidery

Corsets

Men's furnishing goods

Oiled and waterproof clothing

Awnings, tents and sails

Cordage, rope and twine

Cotton and jute bags

Linen goods

Dyeing, cleaning and laundry work.

The present report, which includes a review of the past ten years of the textile industry in Canada, was compiled under the supervision of Professor Norman A. Robertson in the Census of Manufactures Branch of the Bureau of Statistics. It was revised and put in final form under the direction of Mr. J. C. Macpherson, Chief of the Branch.

R. H. COATS,  
*Dominion Statistician.*

DOMINION BUREAU OF STATISTICS,  
OTTAWA, September 1, 1928.

# CHAPTER I

## GENERAL SURVEY OF THE TEXTILE AND TEXTILE PRODUCTS INDUSTRIES.

### Comparative Position of the Textile Industries Among Canadian Manufacturers.—

The important part played in the economic life of Canada by the Textile and Allied Industries is revealed in the table below (1). From this table it is seen that, in 1926, the textile group included 1,685 establishments out of the total of 22,708 reporting to the Census of Industry. These 1,685 establishments represented a capital investment of \$316,967,706, or 8 p.c. of the total capital investment in manufacturing in Canada. Employees in the textile industries numbered 100,434, or 17·3 p.c. of all industrial employees in Canada; of this number 92,326 were wage-earners and 8,108 salaried employees. Of the wage-earners 56,291 were females; that is, 60 p.c. of the wage-earners in the textile industries were women and girls, and of the 132,000 women and girls employed in all the manufacturing industries of Canada, nearly 59,000 or 45 p.c. were in the textile and clothing industries.

This widely differing sex-distribution of employees, in all manufacturing industries and in the Textile Industries, makes any generalizations about comparative earnings extremely hazardous. For of any 100 wage-earners in the textile group 60 p.c. are women or girls, whereas a sample hundred drawn from the group of "all other manufacturing industries" would contain only 15 females. Further, concentration of women workers in the textile trades is an important factor in explaining the relatively low wage rates prevailing in this industry. Thus, average annual earnings per wage-earner, irrespective of age and sex, in the Textiles group, were \$787 in 1926; while the average for all other manufacturing industries was \$1,052 in that year. Yet the simple and obvious explanation of this inequality, that it is due solely to the concentration of women workers in this industrial group, will hardly stand minute examination. For if we compare two more or less representative industries within this group, the cotton yarns and cloth employing 19,752 wage-earners at an average annual wage in 1926 of \$702, and the men's factory clothing industry employing 9,789 wage-earners at an average annual wage in that year of \$1,009, we find that in the "cotton yarn and cloth" industry, 53 p.c. of the wage-earners were males, and the average annual wage was \$702, while in the men's factory clothing trades only 46 p.c. of the wage earners were men, yet the average wage was \$1,009, nearly half as high again.

Since the crude average of wages, irrespective of age and sex, is the only figure available, it is all that one can use for such comparisons—but obviously it must be used with caution.

Further figures in the appended table give the cost of materials used, in all industries and in the textile group, showing that the textile industries spent \$202,773,860 for their raw materials which when worked up had a selling value of \$366,158,317, giving a net value, or value added by manufacture, of \$163,384,457, or 10·7 p.c. of the total value added by manufacture by all the manufacturing industries of Canada in 1926.

**Table 1.—Comparative Statistics of Textiles and "All Manufacturing Industries", with Percentages, 1926.**

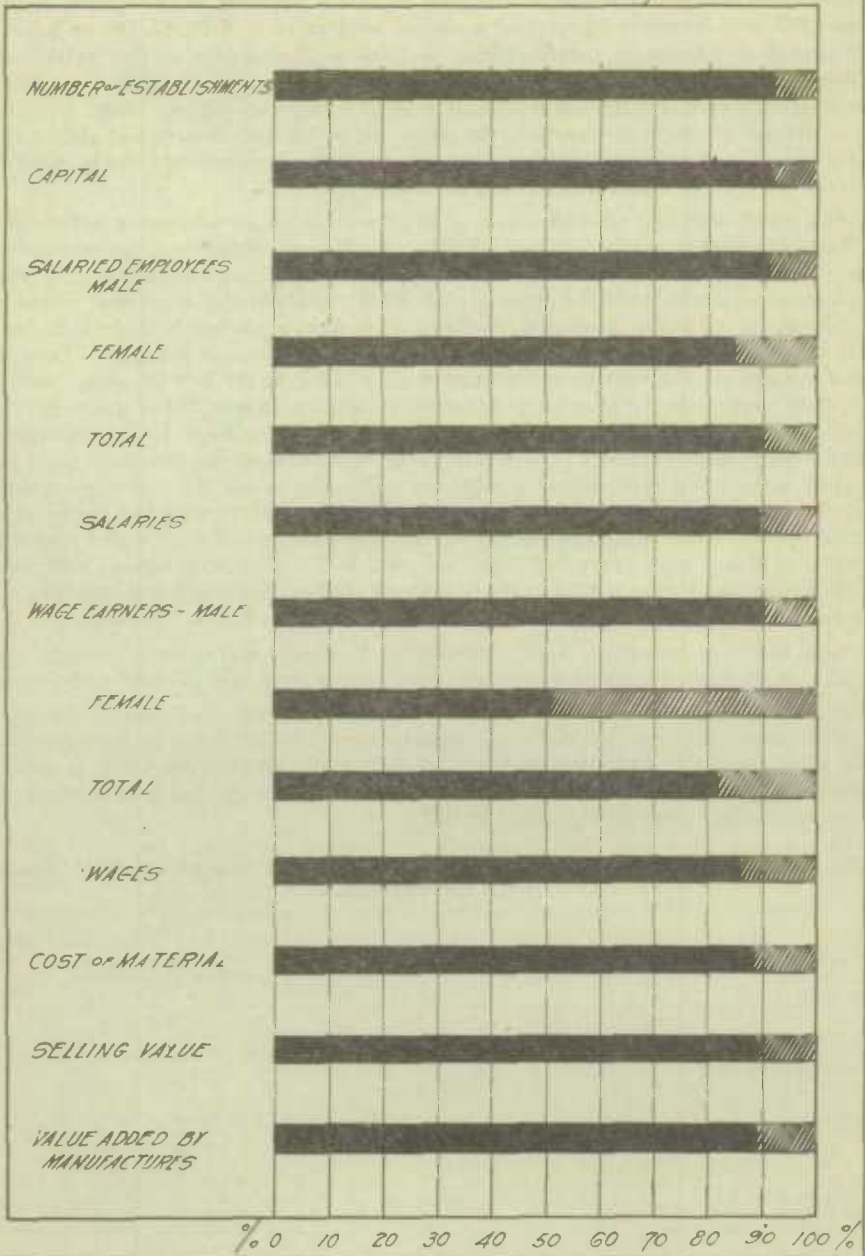
	All industries	Textiles and textile products	Percentage ratio of textiles to all industries
			p.c.
Number of establishments.....	No. 22,708	1,685	7·5
Capital.....	\$ 3,981,589,590	316,967,706	7·9
Employed employees, Male.....	No. 64,431	5,462	8·5
Female.....	" 17,363	2,646	15·2
Total.....	" 81,794	8,108	9·9
Salaries.....	\$ 152,705,944	15,884,517	10·4
Wage-earners, Male.....	No. 385,200	36,035	9·4
Female.....	" 114,533	56,291	49·1
Total.....	" 499,733	92,326	18·5
Wages.....	\$ 501,144,989	72,651,228	14·5
Cost of materials used.....	\$ 1,728,024,192	202,773,860	11·7
Selling value of products.....	\$ 3,247,803,438	366,158,317	11·3
Value added by manufacture.....	\$ 1,519,279,246	163,384,457	10·7



# PERCENTAGE RATIO OF TEXTILES TO ALL INDUSTRIES

ALL OTHER INDUSTRIES — 7

TEXTILES & TEXTILE PRODUCT





**Provincial Distribution of the Textile Industries.**—Table 2 presents the principal statistics of the textile industries in 1926, by provinces. Of the 1,685 establishments in this group 772 were located in Ontario, 622 in Quebec, 93 in British Columbia, 66 in Manitoba, 40 in Nova Scotia, 34 in Alberta, 40 in New Brunswick, 17 in Saskatchewan and 1 in Prince Edward Island. It is worth noting that of the 210 establishments in the Textile group situated in the four western provinces, 104 in the dyeing, cleaning and laundry industry were, strictly speaking, not textile industries at all. If laundries, etc., were omitted from this table, concentration of the textile industries proper in Ontario and Quebec would be even more conspicuous. As it is, of 1,685 firms in the group, 81 or 4.8 p.c. were situated in the Maritime Provinces; 1,394 or 82.7 p.c. were in Ontario and Quebec and 210 or 12.5 p.c. were in the four western provinces.

Of the invested capital, amounting to \$316,967,706, \$14,283,101 or 4.5 p.c. of the total was used by firms operating in the Maritime Provinces, \$290,517,623 or 91.6 p.c. by firms in Quebec and Ontario, and the remaining 3.9 p.c. by the 210 establishments west of the Great Lakes.

The 1,394 plants in Quebec and Ontario, constituting 82.7 p.c. of the total number of establishments in the textile industries in Canada, used 91.6 p.c. of the total capital, employed 91.4 p.c. of all the salaried persons in the industry and 89.7 p.c. of all wage earners.

The total selling value of the products of Canadian textile industries was \$366,158,317 in 1926; of this total Quebec contributed \$160,288,806 and Ontario \$172,155,380, between them producing 90.8 p.c. of the Dominion total and 90 p.c. of the value added by manufacture in all textile industries.

**Table 2.—Principal Statistics of the Combined Textile Industries, by Provinces, 1926**

Provinces	Estab- lish- ments	Capital	Salaried em- ployees	Salaries	Male wage- earners	Female wage- earners	Wages	Cost of material used	Selling value of products	Value added by manu- facture
	No.	\$	No.	\$	No.	No.	\$	\$	\$	\$
Prince Edward Island.....	1	15,246	1	720	2	10	4,920	1,343	16,793	15,450
Nova Scotia.....	40	7,046,045	122	208,349	749	918	1,779,133	3,259,085	6,309,707	3,050,622
New Brunswick.....	40	7,221,810	89	161,670	1,221	1,287	1,709,714	2,758,323	6,044,132	3,285,809
Quebec.....	622	135,713,194	3,236	6,204,960	15,853	23,631	28,990,783	91,924,268	160,288,806	68,364,538
Ontario.....	772	154,804,429	4,178	8,360,726	16,646	26,712	36,199,422	93,370,126	172,155,380	78,785,254
Manitoba.....	66	6,081,404	180	399,494	593	1,652	1,944,177	7,058,509	12,133,121	4,174,522
Saskatchewan.....	17	547,713	29	44,869	90	147	218,506	77,822	578,529	500,707
Alberta.....	34	1,785,477	100	195,223	269	648	767,198	899,788	2,651,107	1,751,319
British Columbia....	93	3,752,388	173	308,506	612	1,286	1,697,375	2,524,506	5,980,742	3,456,236
<b>Canada...</b>	<b>1,685</b>	<b>316,967,706</b>	<b>8,108</b>	<b>15,884,517</b>	<b>36,035</b>	<b>56,291</b>	<b>72,651,228</b>	<b>202,773,860</b>	<b>366,158,317</b>	<b>163,384,457</b>

**Evolution of the Textile Industries since 1917.**—Table 3 (a) is compiled, with some changes, from reports on General Manufacturing in Canada, issued since the beginning of the Annual Census of Industry in 1917. To make comparison with later years possible, the earlier figures have been revised by the omission of certain industries formerly included in the Textile Group. Men's and women's custom clothing, furs dressed, flax and hemp dressing and wool carding and pulling, and millinery, other than factory millinery, have been dropped from the Census of Industry or transferred to other industrial groupings. From these revised figures, the growth of the Textile group in the last ten years is clearly shown. During that period the number of establishments increased from 1,322 in 1917 to 1,685 in 1926; an increase of 27.4 p.c. This increase in number of establishments is however of very doubtful value as a measure of activity in the industry. More significant is the steady increase in the capital invested; excepting 1920, the boom year of inflated values when the capital employed was reported at \$311,906,503, the increase has been gradual and steady. An investment of \$190,906,708 in 1917 has become an investment of \$316,967,706 in 1926, an increase in ten years of nearly 66 p.c. and an increase in 1926 over 1925 of \$11,512,628 or 3.7 p.c.

Salaried employees increased very rapidly in the last years of the war and reached a maximum number of 9,777 in 1919, since when the trend has been slowly downward, salaried employees in 1926 numbering 8,108, 17 p.c. less than the peak number reached in 1919. Average salaries have been fairly constant for the last seven years; in 1926 they stood at \$1,959 compared with an average salary in that year for all other industries of \$1,857.

The number of wage earners in the textile industries reached a new high level in 1926, with a total of 92,326, an increase of nearly seven thousand over the former maximum reached in 1920, and an increase of 5,827 over 1925.

The fluctuations in the cost of materials used, in selling value of products and value added by manufacture in the years since 1917 may be seen the following table (3).

**Table 3 (a).—All Textiles: Principal Statistics, 1917-26**

—	No. of establishments	Capital invested	Sal- aried em- ployees	Total salaries	Wage- earners	Total wages	Cost of materials used	Selling value of product	Value added by manu- facture
		\$		\$		\$	\$	\$	\$
1917.....	1,322	190,906,708	5,908	8,578,922	72,736	39,559,737	130,079,461	243,223,770	113,144,309
1918.....	1,361	225,459,190	7,064	10,860,548	72,321	42,333,018	183,242,717	313,439,115	130,196,398
1919.....	1,486	250,677,846	9,777	13,748,158	75,010	54,150,482	207,818,268	367,480,878	159,662,610
1920.....	1,679	311,906,503	9,282	18,904,265	85,588	71,942,790	257,925,378	443,770,953	185,845,575
1921.....	1,627	260,158,327	7,513	15,425,563	68,866	55,895,810	164,139,109	304,912,556	140,773,447
1922.....	1,709	268,065,238	7,713	15,313,325	80,335	60,911,036	153,066,593	308,560,103	155,493,510
1923.....	1,817	283,248,204	8,190	16,041,069	84,479	65,202,536	176,445,427	334,439,196	157,993,769
1924.....	1,771	298,487,763	7,889	15,412,771	82,243	62,475,571	179,517,141	321,251,016	141,733,875
1925.....	1,629	305,455,078	7,835	15,313,022	86,499	66,180,631	193,059,890	336,853,014	143,793,724
1926.....	1,685	316,967,706	8,108	15,884,517	92,326	72,651,228	202,773,860	366,158,317	163,384,457

Table 3 (b) is self-explanatory; it shows (1) the average capital used per establishment, year by year since 1917. Leaving general price changes out of account, the capital investment per plant in the textile industry has increased by nearly 30 p.c. in the period under review, while the capital investment per wage-earner has grown from \$2,625 in 1917 to \$3,434 in 1926, an increase of 30.8 p.c. This increase was most rapid in the years of general expansion from 1917 to 1920; since 1922 the average capital investment per wage-earner has been slightly increasing.

The average number of employees per establishment also shows a very slight increase over the ten year period. An average of 59.5 employees per plant in 1917 fell to an average of 47.0 per plant in the critical year 1921, and rose again gradually to an average of 59.6 in 1926, while wage-earners per establishment have risen from 42 to 54.8. It would thus appear that since 1921, employees and particularly wage-earners per establishment are showing an increase.

Value added by manufacture per employee or, as it is called in the English Census of Industry, net output per employee, is an interesting average obtained by dividing the average number of employees in the industry during the year into the value added by manufacture in that year. In the Textile industries this "net output" per employee rose from \$1,439 in 1917 to \$1,958 in 1920; since 1920, it has fallen steadily until it reached in 1926 a value of \$1,627, some 13 p.c. above the corresponding figure for 1917, but 17 p.c. less than the maximum attained in 1920. The two final items in this table show the net output per employee expressed in percentages of the base figure for 1917. The first shows the money value of that net output, the second shows a corrected figure wherein the general price changes 1917-26 have been eliminated by the use of the index number of prices of all commodities.

**Amounts and Kinds of Capital Used in the Textile Industries.**—In Table (4) the capital invested in the Textile industries is shown in detail for the years 1925 and 1926. On inspection it is seen that in those years the total capital investment increased from \$305,455,078 to \$316,967,706, an increase for the year of 3.8 p.c. Fixed capital, comprising lands, buildings, machinery and tools increased from \$153,878,381 to \$159,160,196; cash, trading and operating accounts and bills receivable rose from \$68,803,001 to \$75,728,697; while materials on hand, stocks in process, finished products on hand, etc., declined in value from \$82,773,696 to \$82,078,813; all told there was a net increase of \$11,512,628 in the capital invested in the Textile group of industries.

The silk goods, the hosiery and knit goods, and men's factory clothing industries all substantially increased their capital—both fixed and working—during the year. On the other side of the ledger, all the woollen textile industries, with the exception of woollen goods not elsewhere specified, reported a smaller capital investment. The men's furnishing goods industry reported a 5.8 p.c. increase in capital invested despite a decrease of 3.0 p.c. in its fixed capital.

The complete figures for the two years, with percent increases in fixed, working, and total capital will be found in Table 4.

Table 3b.—All Textiles: Analytical Summary of Statistics, 1917-26

	1917	1918	1919	1920	1921	1922	1923	1924	1925	1926
Establishments.....No	1,322	1,361	1,486	1,679	1,627	1,709	1,817	1,771	1,629	1,685
Capital.....\$	190,906,708	225,459,190	250,677,846	311,906,503	260,158,327	268,065,238	283,248,204	298,487,763	305,455,078	316,967,706
Average capital: per establishment.....\$	144,407	165,657	168,693	185,770	159,901	156,855	155,888	168,502	187,511	188,111
per wage-earner.....\$	2,625	3,117	3,342	3,644	3,777	3,337	3,353	3,629	3,531	3,434
Total number of employees.....	78,644	70,385	84,787	94,870	76,379	88,048	92,669	90,132	94,334	100,434
Average number of employees per establishment.....	59.5	58.3	57.0	56.5	47.0	51.5	51.0	50.9	57.8	59.6
Total number of salaried employees.....	5,908	7,064	9,777	9,282	7,513	7,713	8,190	7,889	7,835	8,108
Average number of salaried employees per establishment.....	4.5	5.2	6.6	5.5	5.0	4.8	4.8	4.5	4.8	4.8
Total number of wage-earners.....	72,736	72,321	75,010	85,588	68,866	80,335	84,479	82,243	86,449	92,326
Average number of wage-earners per establishment.....	54	53.1	50.4	51.0	42.0	46.7	46.2	46.4	53.0	54.8
Salaries.....\$	8,578,922	10,860,548	13,748,158	18,004,265	15,425,563	15,313,325	16,041,669	15,412,771	15,313,022	15,884,517
Average salary.....\$	1,452	1,537	1,406	2,038	2,053	1,985	1,959	1,895	1,954	1,959
Wages.....\$	39,559,737	42,333,018	54,150,482	71,942,790	55,895,810	60,911,036	65,202,536	62,475,571	66,180,631	72,651,228
Average wage.....\$	544	585	722	839	812	758	772	760	765	787
Value added by manufacture.....\$	113,144,309	130,196,398	159,662,610	185,845,575	140,773,447	155,493,510	157,993,769	141,733,875	143,793,724	163,384,457
Value added by manufacture per employee.....\$	1,439	1,640	1,883	1,958	1,843	1,766	1,705	1,573	1,524	1,627
Net output per employee (1917=100).....	100.0	113.9	130.8	136.0	128.0	122.7	118.5	109.0	106.0	113.0
Index number of all commodity prices.....	100.0	111.5	117.2	136.4	96.2	85.2	85.7	87.0	90.0	87.5
Net output per employee (price changes eliminated—1917=100).....	100.0	102.1	111.6	99.9	133.0	144.0	138.2	125.3	117.8	129.1

Table 4.—Capital Employed in the Textile Industries, 1925 and 1926

	Land, buildings, fixtures, machinery and tools			Materials on hand, stocks in process, finished products on hand, fuel and supplies on hand			Cash, trading and operating accounts and bills receivable			Total capital		
	1925	1926	Percent increase or decrease	1925	1926	Percent increase or decrease	1925	1926	Percent increase or decrease	1925	1926	Percent increase or decrease
	\$	\$	p.c.	\$	\$	p.c.	\$	\$	p.c.	\$	\$	p.c.
<b>Cotton textiles—</b>												
Cotton yarn and cloth.....	56,641,126	56,425,971	— 0.4	12,842,484	11,160,556	— 13.1	14,127,076	15,852,652	+ 12.2	83,610,686	83,439,179	— 0.2
Cotton thread.....	1,904,027	1,774,560	— 6.8	2,071,144	1,717,405	— 17.1	621,195	663,693	+ 6.7	4,596,366	4,154,658	— 9.6
Cotton and wool waste.....	617,489	631,484	+ 2.3	342,308	317,123	— 7.4	366,052	244,291	— 33.3	1,325,849	1,102,898	— 10.0
Batting and wadding.....	919,311	1,089,421	+ 18.5	465,668	575,386	+ 23.6	719,083	797,091	+ 10.8	2,104,062	2,461,898	+ 17.0
Cotton textiles, n.e.s.....	1,052,374	1,059,728	+ 0.7	1,516,625	1,437,084	— 5.5	1,041,490	1,255,223	+ 20.5	3,610,489	3,752,035	+ 3.9
<b>Woolen textiles—</b>												
Woolen yarns.....	4,392,250	4,380,317	— 0.3	1,826,804	1,502,280	— 17.8	2,822,834	2,535,098	— 10.2	9,041,802	8,417,695	— 6.9
Woolen cloth.....	11,448,001	11,679,546	+ 2.0	5,753,712	4,829,242	— 16.1	4,141,196	4,226,735	+ 2.1	21,342,909	20,735,523	— 2.8
Carpets.....	1,648,560	1,643,359	— 0.3	671,898	524,818	— 21.9	1,760,447	1,869,006	+ 6.2	4,080,005	4,037,183	— 1.1
Woolen goods, n.e.s.....	4,799,354	5,051,441	+ 5.2	1,576,935	1,524,056	— 3.4	1,473,213	1,418,703	— 3.7	7,849,502	7,994,200	+ 1.8
<b>Hosiery and knit goods.....</b>	<b>23,916,699</b>	<b>25,306,746</b>	<b>+ 5.8</b>	<b>14,572,400</b>	<b>14,708,571</b>	<b>+ 0.9</b>	<b>9,741,345</b>	<b>10,179,909</b>	<b>+ 4.5</b>	<b>48,230,450</b>	<b>50,195,226</b>	<b>+ 4.1</b>
Fabric gloves and mittens.....	554,867	730,467	+ 31.6	425,874	507,225	+ 19.1	139,283	176,198	+ 26.5	1,120,024	1,413,890	+ 26.2
Silk goods.....	6,103,396	6,399,357	+ 4.8	1,852,069	2,170,212	+ 17.2	1,268,759	1,440,950	+ 14.3	9,224,224	10,019,519	+ 8.6
Hats and caps.....	2,170,864	1,884,637	— 13.2	2,758,817	2,844,833	+ 3.1	2,239,210	2,377,910	+ 6.2	7,168,891	7,107,380	— 0.8
Men's factory clothing.....	4,968,234	5,301,465	+ 6.7	10,351,046	11,137,588	+ 7.6	8,861,068	9,387,330	+ 5.6	24,180,348	25,826,383	+ 6.8
Women's factory clothing.....	5,631,945	5,532,892	— 1.8	9,151,190	9,191,423	+ 0.4	6,921,821	7,247,921	+ 4.7	21,704,956	21,972,236	+ 1.2
Corsets.....	1,041,217	982,983	— 5.6	1,641,254	1,415,265	— 13.8	1,542,251	1,731,634	+ 12.3	4,224,722	4,129,882	— 2.2
Men's furnishings.....	4,691,670	4,549,500	— 3.0	6,872,799	7,152,557	+ 4.1	5,086,113	5,914,205	+ 16.3	16,650,582	17,616,262	+ 5.8
Oiled and waterproof clothing.....	366,303	301,918	— 17.6	433,931	509,277	+ 17.4	172,307	174,029	+ 1.0	972,541	985,224	+ 1.3
Awnings, tents and sails.....	649,903	580,650	— 10.7	829,432	835,451	+ 0.7	444,390	502,070	+ 12.9	1,923,725	1,918,171	— 0.3
Cordage rope and twine.....	4,911,665	5,774,524	+ 17.4	3,522,409	5,859,920	+ 66.4	1,906,543	4,045,125	+ 112.2	9,440,617	15,679,569	+ 66.1
Cotton and jute bags.....	2,651,935	2,652,597	+ 0.02	2,377,945	1,323,637	— 44.3	1,277,246	1,589,280	+ 24.4	6,307,126	5,565,514	— 11.3
Linen goods.....	500,260	732,744	+ 46.5	321,232	266,676	— 16.9	64,742	75,434	+ 16.5	886,234	1,074,854	+ 21.3
Dyeing, cleaning and laundry work.....	13,196,927	14,693,889	+ 11.3	595,714	568,228	— 4.6	2,065,337	2,016,210	— 2.4	15,857,978	17,278,327	+ 8.9
<b>All Textiles.....</b>	<b>153,878,351</b>	<b>159,160,196</b>	<b>+ 3.4</b>	<b>82,773,696</b>	<b>82,078,813</b>	<b>— 0.83</b>	<b>68,863,001</b>	<b>75,728,697</b>	<b>+ 10.1</b>	<b>305,455,978</b>	<b>316,967,796</b>	<b>+ 3.8</b>

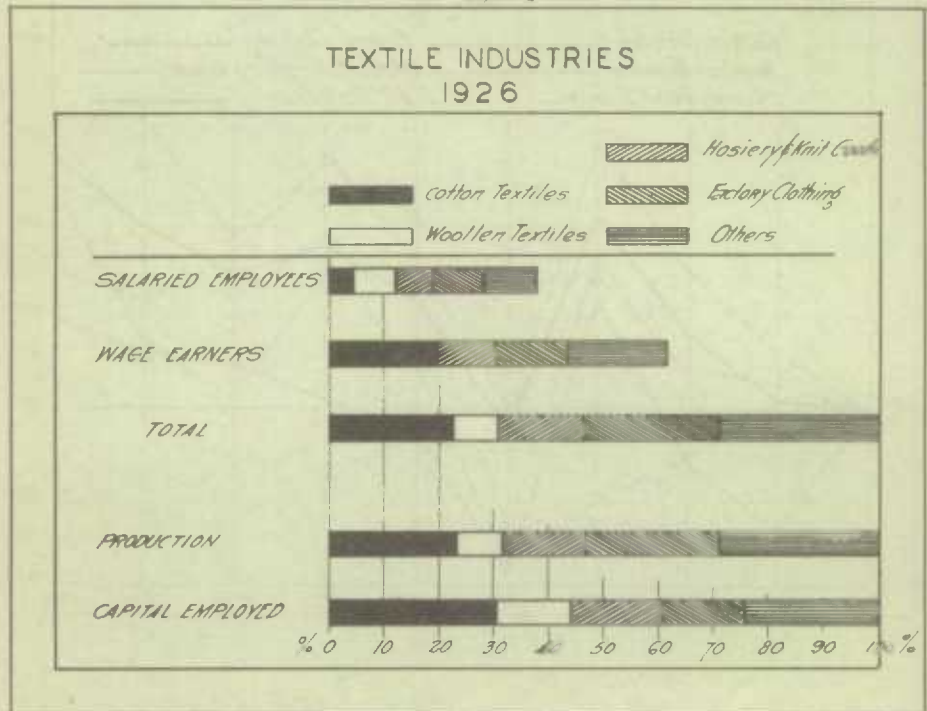


Table 5 presents (1) the average capital per establishment in each of the industries in the Textile Group, (2) average capital per employee, (3) the average number of employees per establishment, (4) the value added by manufacture per establishment, (5) the value added by manufacture per employee.

**Table 5.—All Textiles: Capital per Establishment and per Employee, Value Added by Manufacture per Establishment and per Employee, and Employees per Establishment, 1926**

	Number of establishments	Capital invested	Average capital per establishment	Number of employees	Average number of employees per establishment	Value added by manufacture	Value added by manufacture per establishment	Average capital per employee	Average value added by manufacture per employee
		\$	\$	\$	\$	\$	\$	\$	\$
Cotton yarn and cloth.....	38	83,439,179	2,195,768	20,323	535	32,008,728	842,335	4,105	1,063
Cotton thread.....	5	4,154,658	830,931	774	155	2,177,867	435,573	5,308	2,814
Cotton textiles, other than above.....	38	7,406,831	194,917	1,239	33	2,912,982	76,657	5,078	2,351
Woolen yarn.....	17	8,417,695	495,159	1,436	84	2,944,759	173,221	5,862	2,051
Woolen cloth.....	54	20,735,523	383,987	4,675	87	6,822,779	125,977	4,435	1,455
Carpets, mats and rugs.....	17	4,037,183	237,481	828	49	1,637,748	96,162	4,878	1,978
Woolen goods, n.e.s.....	28	7,094,200	285,507	1,080	39	2,791,350	99,691	7,402	2,585
Silk goods.....	12	10,019,519	834,960	2,423	202	5,034,188	419,516	4,135	2,078
Hosiery and knit goods.....	158	50,195,226	317,691	15,835	100	23,641,908	149,632	3,170	1,493
Factory gloves and mittens.....	9	1,413,890	157,099	639	71	821,002	91,222	2,212	1,285
Factory clothing—men's.....	188	25,826,383	137,374	11,147	59	19,839,212	105,528	2,317	1,780
Factory clothing—women's.....	385	21,972,236	57,071	13,987	36	21,898,128	56,878	1,671	1,566
Furnishings goods—men's.....	139	17,616,262	126,736	8,197	59	10,149,670	73,019	2,149	1,238
Corsets.....	16	4,129,882	258,118	1,307	82	1,807,372	112,961	3,160	1,383
Cordage rope and twine.....	11	15,679,569	1,425,415	1,514	138	3,007,865	273,442	10,356	1,987
Cotton and jute bags.....	14	5,565,514	397,537	975	70	1,794,726	128,195	5,708	1,841
Hats and caps.....	138	7,107,380	51,503	4,187	30	6,900,600	50,005	1,698	1,648
Awnings, tents and sails.....	49	1,918,171	39,146	433	9	906,738	18,505	4,430	2,094
Linen goods.....	6	1,074,854	179,142	222	37	198,241	33,040	4,842	893
Oiled and waterproof clothing.....	13	985,224	75,786	241	19	550,502	42,346	4,088	2,284
Dyeing, cleaning and laundry work.....	350	17,278,327	49,367	8,972	26	15,538,092	44,395	1,926	1,732

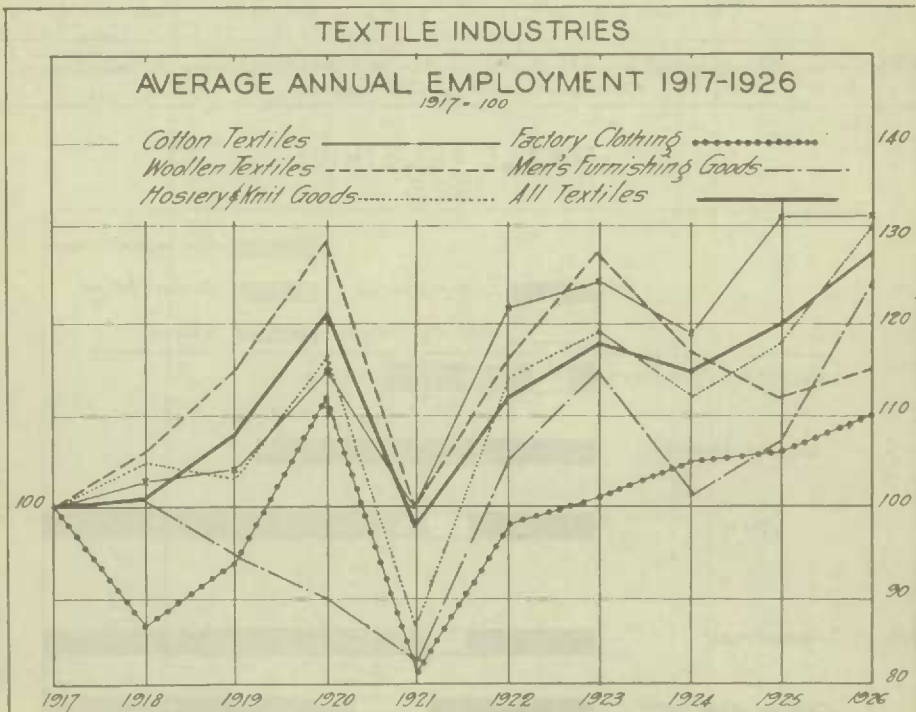
*Relative Importance of Leading Textile Industries to the Total Textile Industries in Employees, Production and Capital, 1926*



**Employment in the Textile Industries since 1917.**—The average annual employment 1917-26 in the Textiles Group and in its larger constituent industries is set out in the table following (Table 6) and chart attached. Nineteen-seventeen is taken as the base and the employment figures for subsequent years are expressed as percentages of employment in that year. The average annual employment is obtained by dividing the total of those employed at the middle of each month by twelve. For the purposes of this table males and females, salaried employees and wage earners are combined in the total "all employed".

The number employed gradually rose so that in 1920 the average annual employment in the Textile Industries was 94,870; in 1921, the year of the depression, it had fallen to 76,379, or 80.5 p.c. of the previous figure. After 1921 the prompt recovery and growth of the Textiles Group is reflected in the number employed; an average of 88,048 were at work in 1922, 92,669 in 1923, 90,132 in 1924, 94,334 in 1925, and 100,434 in 1926, 105.8 p.c. of the record annual employment reached in 1920. The figures given for the principal constituent industries reflect more or less clearly the secular movement shown in the totals for all textiles. The Cotton Textiles and Men's furnishings industries were, apparently, least affected by the bad times of 1921. Their average number of employees in that year was, respectively, 87.1 p.c. and 92.4 p.c. of what it had been in 1920. Their recovery was correspondingly rapid and although both industries reported fewer at work in 1924 than in 1923, 1926 showed a marked increase in the number of employees.

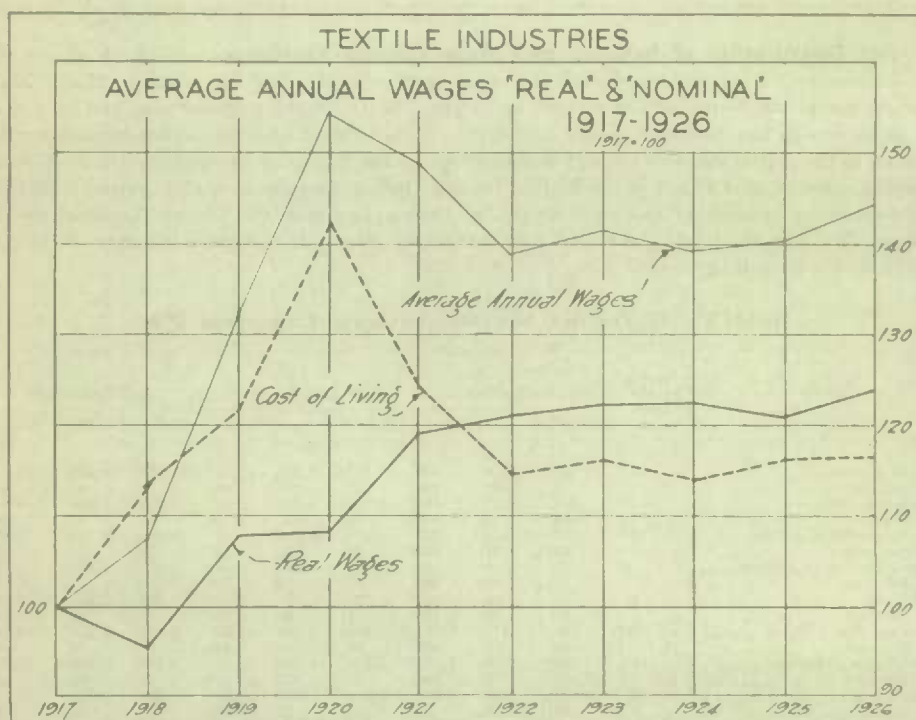
On the other hand, the woollen textiles industries employed 22.7 p.c. less workmen in 1921 than in 1920 and, even in 1926, their total number of employees was but 89.4 p.c. of what it had been six years before. This decline in the number employed is most noticeable since 1923; in that year the average number in the woollen industry was 8,890, in 1924 it had fallen to 8,164. in 1925 to 7,800, and in 1926 it rose slightly to 8,019.





**Table 6.—Annual Average Employment in Principal Textile Industries, Expressed as a Percentage of Employment in 1917**

		1917	1918	1919	1920	1921	1922	1923	1924	1925	1926
Cotton textiles.....	No.	16,962	17,422	17,710	19,461	16,950	20,660	21,124	20,157	22,328	22,336
	p.c.	100	103	104	115	100	122	125	119	132	132
Woollen textiles.....	No.	6,950	7,342	7,955	8,906	6,926	8,052	8,890	8,164	7,800	8,019
	p.c.	100	106	115	129	100	116	128	117	112	115
Hosiery and knit goods.....	No.	12,061	12,627	12,384	14,004	10,446	13,705	14,306	13,508	14,221	15,835
	p.c.	100	105	103	116	87	114	119	112	118	131
Factory clothing, men's and women's.....	No.	22,900	19,814	21,515	25,670	18,605	22,494	23,147	24,069	24,308	25,134
	p.c.	100	87	94	112	81	98	101	105	106	110
Furnishing goods, men's.....	No.	6,618	6,661	6,254	5,937	5,489	6,968	7,583	6,710	7,110	8,197
	p.c.	100	101	95	90	83	105	115	101	107	124
<b>All Textiles.....</b>	<b>No.</b>	<b>78,644</b>	<b>79,385</b>	<b>84,787</b>	<b>94,876</b>	<b>76,379</b>	<b>88,048</b>	<b>92,669</b>	<b>90,132</b>	<b>94,334</b>	<b>100,434</b>
	<b>p.c.</b>	<b>100</b>	<b>101</b>	<b>108</b>	<b>121</b>	<b>97</b>	<b>112</b>	<b>118</b>	<b>115</b>	<b>120</b>	<b>128</b>



**Trend of Wages in the Textile Industries since 1917.**—Table 7 shows the average annual wages, irrespective of age and sex, in the Textile Industries in the years 1917-26. It is apparent that while "money" wages rose some 54 p.c. between 1917 and 1920 and fell some 6 p.c. between 1920 and 1926, "real" wages did not always move either at the same rate or in the same direction. In 1926 "money" wages at \$787 per year were 45 p.c. above 1917, while "real" wages—i.e., money wages corrected by the cost of living index number, were 24 p.c. higher. Money wages were at their lowest in 1917, their highest in 1920, real wages were at their lowest in 1918, their highest in 1926. Between 1917 and 1918, money wages were rising, real wages falling, between 1920-21 money wages were falling, real wages rising. Since 1922 real and money wages have been practically constant as is shown in the appended table 7.

Table 7.—All Textiles: Average Annual Wages "Real" and "Nominal", 1917-26

	Wage-earners	Wages paid	Average annual wage	Average annual wage	Cost of living Index No.	"Real Wages"
	No.	\$	\$	1917=100	1917=100	1917=100
1917.....	72,736	39,559,737	544	100.0	100.0	100.0
1918.....	73,321	42,333,018	585	107.5	113.7	95.4
1919.....	75,010	54,150,482	722	131.9	122.2	107.9
1920.....	85,588	71,942,790	839	154.2	142.7	108.0
1921.....	68,866	55,895,810	812	149.2	125.0	119.4
1922.....	80,335	60,911,036	758	139.3	115.0	121.1
1923.....	84,479	65,202,536	772	141.9	116.1	122.2
1924.....	82,243	62,475,571	760	139.7	114.1	122.4
1925.....	86,499	66,180,631	765	140.6	116.1	121.1
1926.....	92,326	72,651,228	787	144.7	116.8	123.9

**Sex Distribution of Salaried and Wage-Earning Employees.**—Table 8 shows the sex-distribution of salaried employees and wage earners in the Textiles group in 1926. Male workers constitute 67 p.c. of the salaried employees, 39 p.c. of the wage-earners, and 41 p.c. of all employees in the combined textile industries. It is evident that the males outnumber the females in the textile industry proper; but 47 p.c. of all employees in the Cotton Textiles industry, and 43 p.c. in the Wollen Textiles; but in the subsidiary and derived industries the women far outnumber the men; 68 p.c. of the employees in the hosiery manufacture are women, 78 p.c. in the fabric gloves and mittens making, 84 p.c. in the corset industry and 82 p.c. in the men's furnishings trade.

Table 8.—All Textiles: Sex Distribution of Employees, 1926

	No. of establishments	Salaried Employees			Wage-Earners			All Employees		
		Male	Female	Total	Male	Female	Total	Male	Female	Total
Cotton textiles.....	81	681	178	859	11,247	10,230	21,477	11,928	10,408	22,336
Per cent.....		79	21	100	52	48	100	53	47	100
Woollen textiles.....	116	475	121	596	4,089	3,334	7,423	4,564	3,455	8,019
Per cent.....		80	20	100	55	45	100	57	43	100
Hosiery and knit goods.....	158	613	359	972	4,430	10,424	14,863	5,052	10,783	15,835
Per cent.....		63	37	100	30	70	100	32	68	100
Fabric gloves and mittens.....	9	34	14	48	105	486	591	139	500	639
Per cent.....		71	29	100	18	82	100	22	78	100
Silk goods.....	12	131	61	192	781	1,450	2,231	912	1,511	2,423
Per cent.....		68	32	100	35	65	100	38	62	100
Hats and caps.....	138	341	173	514	1,390	2,283	3,673	1,731	2,456	4,187
Per cent.....		66	34	100	38	62	100	41	59	100
Men's factory clothing.....	188	984	374	1,358	4,523	5,266	9,789	5,507	5,640	11,147
Per cent.....		72	28	100	46	54	100	49	51	100
Women's factory clothing.....	385	910	646	1,556	3,379	9,052	12,431	4,289	9,698	13,987
Per cent.....		58	42	100	27	73	100	31	69	100
Corsets.....	16	146	142	288	69	950	1,019	215	1,092	1,307
Per cent.....		51	49	100	7	93	100	16	84	100
Men's furnishings.....	139	476	216	692	989	6,516	7,505	1,465	6,732	8,197
Per cent.....		69	31	100	13	87	100	18	82	100
Oiled and waterproof clothing.....	13	34	13	47	90	104	194	124	117	241
Per cent.....		72	28	100	46	54	100	51	49	100
Awning, tents and sails.....	49	78	23	101	173	159	332	251	182	433
Per cent.....		77	23	100	52	48	100	58	42	100
Cor dage rope and twine.....	11	89	28	117	1,051	346	1,397	1,140	374	1,514
Per cent.....		76	24	100	75	25	100	75	25	100
Cotton and jute bags.....	14	76	22	98	282	595	877	358	617	975
Per cent.....		78	22	100	32	68	100	37	63	100
Linen goods.....	6	12	5	17	72	133	205	84	138	222
Per cent.....		71	29	100	35	65	100	38	62	100
Dyeing, cleaning and laundry work.....	350	382	271	653	3,356	4,963	8,319	3,738	5,234	8,972
Per cent.....		59	41	100	40	60	100	42	58	100
<b>Total—All Textiles.....</b>	<b>1,685</b>	<b>5,462</b>	<b>2,646</b>	<b>8,108</b>	<b>36,035</b>	<b>56,291</b>	<b>92,326</b>	<b>41,497</b>	<b>58,337</b>	<b>100,434</b>
<b>Per cent.....</b>		<b>67</b>	<b>33</b>	<b>100</b>	<b>39</b>	<b>61</b>	<b>100</b>	<b>41</b>	<b>59</b>	<b>100</b>

**Salaries and Wages paid in 1926.**—Table 9 contains the totals by industries of salaried employees and wage-earners, and salaries and wages paid during the year 1926. The employment totals are based on the monthly averages compiled by employers for the census of industry.

**Table 9.—All Textiles: Salaried Employees and Wage-earners, 1926**

	No. of establishments	Salaried employees		Total salaries	Wage-earners		Total wages	All employees		Salaries and wages
		Male	Female		Male	Female		Male	Female	
				\$			\$			\$
<b>Cotton textiles—</b>										
Cotton yarn and cloth.....	38	474	97	1,368,574	10,557	9,195	13,860,432	11,031	9,292	15,229,006
Cotton thread.....	5	75	26	171,066	174	499	515,792	249	525	686,858
Cotton and wool waste.....	8	22	12	65,661	162	74	195,343	184	86	261,004
Batting and wadding.....	8	51	24	161,992	133	112	196,670	184	130	358,662
Cotton textiles, n.e.s.....	22	59	19	158,202	221	350	438,255	280	300	596,547
<b>Woollen textiles—</b>										
Woollen yarns.....	17	40	20	161,467	653	723	983,104	693	743	1,144,571
Woollen cloths.....	54	259	55	675,749	2,285	2,076	3,297,545	2,544	2,131	3,973,294
Carpets.....	17	112	23	273,487	483	210	569,548	595	233	843,035
Woollen goods, n.e.s.....	28	64	23	259,106	668	325	719,138	732	348	978,244
Hosiery and knit goods.....	158	613	359	1,968,101	4,439	10,424	10,906,069	5,052	10,783	12,874,770
Fabric gloves and mittens.....	9	34	14	88,460	105	486	348,566	139	500	437,026
Silk goods.....	12	131	61	357,808	781	1,450	1,627,192	912	1,511	1,985,000
Hats and caps.....	138	341	173	877,630	1,390	2,283	3,047,868	1,731	2,450	3,925,498
Men's factory clothing.....	188	984	374	2,619,749	4,523	5,260	9,878,835	5,507	5,640	12,498,584
Women's factory clothing.....	385	910	646	3,030,809	3,379	9,052	10,942,176	4,289	9,698	13,981,985
Corsets.....	16	146	142	435,563	69	950	625,426	215	1,092	1,060,989
Men's furnishings.....	139	476	216	1,159,494	989	6,510	4,848,699	1,465	6,732	6,008,193
Oiled and waterproof clothing..	13	34	13	91,816	90	104	198,411	124	117	290,227
Awnings, tents and sails.....	49	78	23	170,224	173	159	309,974	251	182	480,198
Cordage rope and twine.....	11	89	28	253,092	1,051	346	1,338,033	1,140	374	1,591,125
Cotton and jute bags.....	14	76	22	257,877	282	595	672,902	358	617	930,779
Linen goods.....	6	12	5	43,734	72	133	130,725	84	138	174,459
Dyeing, cleaning and laundry work.....	350	382	271	1,225,766	3,356	4,963	6,999,925	3,738	5,234	8,225,601
<b>Total, all textiles.....</b>	<b>1,635</b>	<b>5,462</b>	<b>2,616</b>	<b>15,884,517</b>	<b>36,035</b>	<b>56,791</b>	<b>72,651,228</b>	<b>41,497</b>	<b>58,937</b>	<b>88,535,745</b>

**Hours of Work in the Textile Industries.**—Table 10 shows the number of wage-earners in the month of highest employment working 8 hours or less, 9 hours, 10 hours, or over 10 hours a day. Since the figures are collected from each establishment for its individual month of highest employment, the totals cannot be compared with the figures for average annual employment already given for each industry. Strictly speaking this distribution of wage-earners into groups working 8, 9 and 10 hours respectively, is only accurate for each firm's "month of highest employment". But in the textile industries where seasonal trends are of minor importance the hours of labour given in Table 10 can be taken as more or less standard.

In the Textile Group, taken as a unit, 32.2 p.c. of the wage-earners work 8 hours per day or less, 39.3 p.c. work 9 hours and the remaining 28.5 p.c. work 10 hours or more. The distribution in the component industries is however quite different. In the Cotton Textiles group, employing 21,477 wage-earners in 1926, 1.9 p.c. work 8 hours or less, 25.3 p.c. work 9 hours and 72.8 work 10 hours a day. While in the combined garment trades 55.8 p.c. work 8 hours or less, 36.4 work 9 hours and a scant 7.8 p.c. work a longer day.

In the Woollen Textiles group 5.6 p.c. of the wage-earners work 8 hours or less, 57.4 work 9 hours, 37.9 p.c. work 10 hours.

Table 10.—Number of Wage-earners in Month of Highest Employment in 1926 Working

	Eight hours or less per day	Nine hours per day	Ten hours per day	Over 10 hours per day	Average hours worked per week
<b>Cotton textiles—</b>					
Cotton yarn and cloth.....	35	4,866	16,016	1,228	53.1
Cotton thread.....	115	588	2	4	47.4
Cotton and wool waste.....	41	158	43	22	52.1
Batting and wadding.....	65	103	101		51.0
Cotton goods, n.e.s.....	166	372	66	26	47.3
<b>Woolen textiles—</b>					
Woolen yarns.....	125	803	572	49	52.2
Woolen cloths.....	6	2,981	1,706	108	53.5
Carpets.....	45	645	88	2	47.6
Woolen goods, n.e.s.....	290	297	501	5	49.3
<b>Hosiery and knit goods.....</b>	4,034	9,907	3,380	142	48.9
Fabric gloves.....	107	623	3	14	42.7
Silk goods.....	208	1,754	490	46	51.0
Hats and caps.....	2,861	1,185	320	36	45.7
Men's factory clothing.....	5,059	4,430	1,103	152	41.3
Women's factory clothing.....	9,880	4,356	319	132	46.2
Corsets.....	594	486	69		46.5
Men's furnishings.....	4,751	3,066	487	137	45.0
Oiled and waterproof clothing.....	160	63	8		46.1
Awnings, tents and sails.....	237	128	50	13	47.0
Corilage rope and twine.....	67	803	714		51.9
Cotton and jute bags.....	192	581	80	102	48.9
Linen goods.....	3	191	27		49.3
Dyeing, cleaning and laundry work.....	4,789	2,797	1,299	168	50.1
<b>Total.....</b>	<b>33,839</b>	<b>41,283</b>	<b>27,427</b>	<b>2,386</b>	

Table 11.—Number of Wage-earners in Month of Highest Employment in 1926

Classified According to the Number of Hours Worked per Day

	Total	Per cent of whole
<b>All Textiles—</b>		
8 hours or less.....	33,839	32.2
9 hours.....	41,283	39.3
10 hours.....	27,427	26.1
Over 10 hours.....	2,386	2.4
<b>Total.....</b>	<b>104,935</b>	<b>100.0</b>
<b>Cotton Textiles—</b>		
8 hours or less.....	422	1.9
9 hours.....	6,087	25.3
10 hours.....	16,228	67.5
Over 10 hours.....	1,280	5.3
<b>Total.....</b>	<b>24,017</b>	<b>100.0</b>
<b>Woolen Textiles—</b>		
8 hours or less.....	406	5.6
9 hours.....	4,726	57.4
10 hours.....	2,870	34.9
Over 10 hours.....	161	2.1
<b>Total.....</b>	<b>8,226</b>	<b>100.0</b>
<b>Garment Trades—</b>		
8 hours or less.....	23,522	55.8
9 hours.....	15,340	36.4
10 hours.....	2,776	6.6
Over 10 hours.....	563	1.2
<b>Total.....</b>	<b>42,141</b>	<b>100.0</b>
<b>Hosiery and knit goods, including fabric gloves—</b>		
8 hours or less.....	4,141	22.7
9 hours.....	10,530	57.8
10 hours.....	3,383	18.6
Over 10 hours.....	156	0.9
<b>Total.....</b>	<b>18,210</b>	<b>100.0</b>



**Numbers and Wages of Outside Piece-Workers.**—Table 12 contains the information available about the numbers and wages of outside piece-workers in the several textile industries. The totals given can hardly be complete for the factory clothing and knit-goods industries. Certain striking differences between 1925 and 1926 are shown in the attached table. In the absence of exhaustive information it would be unwise to draw conclusions from the data submitted.

**Table 12.—All Textiles: Outside Piece-workers, 1925-26**

	No. males	Amount paid	No. females	Amount paid	Total No. both sexes	Total Amount paid	No. Males	Amount paid	No. females	Amount paid	Total No. both sexes	Total amount paid
		\$		\$		\$		\$		\$		\$
Cotton yarn and cloth.....									2	596	2	596
Cotton thread.....												
Cotton and wool waste.....												
Batting and wadding.....									3	455	3	455
Cotton goods, n.e.s.....	1	150										
Woolen yarns.....			100	3,117	100	3,117						
Woolen cloth.....			19	1,916	19	1,916			14	3,005	14	3,005
Carpets.....			1	239	1	239						
Woolen goods, n.e.s.....												
Hosiery and knit goods.....	3	1,243	433	24,031	436	25,274			797	42,879	767	43,878
Fabric gloves and mittens.....			306	5,772	306	5,772			312	5,728	312	5,728
Silk goods.....												
Hats and caps.....							4	4,524	12	6,500	16	11,024
Men's factory clothing.....	127	200,678	164	145,050	291	345,728	118	119,467	98	42,274	216	161,741
Women's factory clothing.....	17	4,334	222	21,212	239	25,546	1	413	71	18,390	72	18,803
Corsets.....			2	975	2	975			1	455	1	455
Men's furnishings.....	20	107	164	32,684	184	32,791	11	5,986	144	32,672	155	38,658
Oil and waterproof clothing.....												
Awnings, tents and sails.....	1	147	2	308	3	455	1	263	6	197	7	460
Corlidge rope and twine.....	2	40			2	40	8	1,057	1	12	9	1,069
Cotton and jute bags.....												
Linon goods.....									4	150	4	150
Dyeing, cleaning and laundry work.....	38	18,806	13	4,490	51	23,296	1	1,588	2	1,384	3	2,972
<b>All Textiles: Totals.....</b>	<b>209</b>	<b>225,514</b>	<b>1,493</b>	<b>241,025</b>	<b>1,702</b>	<b>466,539</b>	<b>144</b>	<b>133,298</b>	<b>1,437</b>	<b>153,695</b>	<b>1,581</b>	<b>288,993</b>

**Labour Organization in the Textile Industries.**—As the following table (13) shows, trade unionism has made little headway in the Canadian Textile Trades. In the Textile industry proper, i.e., in the manufacture of cloths and yarns, employing about 29,000 wage earners in 1926, the United Textile Workers of America reported 3 branches and a total membership of 65, showing a loss of 11 branches and 2,469 members since 1920. In addition to this International Union there is the National and Catholic Textile Workers' Union with 5 branches reporting a membership of about 700 in 1926 and the Canadian Carpet-Weavers' Beneficial Association with 4 branches and 205 members.

In the Garment making and allied industries, a much greater proportion of the work people is organized than in the textile industries proper. In 1926 there were over 22,000 wage earners employed in the Men's and Women's Factory Clothing industries, while in the same year the combined clothing workers' unions reported a membership of 8,243. This membership was divided between the United Garment Workers of America, the International Ladies Garment Workers' Union, both affiliated with the American Federation of Labour, and the Amalgamated Clothing Workers of America, an independent international union.

From the attached figures showing the statistics of Trade Unionists in the Textile Industries for the years 1917-26, certain facts stand out. (1) Since 1920 there has been a drop from 61 to 46, or over 25 p.c. in the number of branches. (2) During the same period the reported membership of the combined unions has declined from 17,934 to 8,873, i.e., by 50.5 p.c. in six years.

Of the organized workers 4,368 or 49.2 p.c. belong to the unions affiliated with the American Federation of Labour, 4,300 or 48.5 p.c. belong to the Independent Amalgamated Clothing Workers, while 205 belong to an Independent National Union. In addition to the returns published by the Department of Labour, it is estimated that some 700 operatives in the textile industry were enrolled in the National and Catholic Union, making a total for the Textiles Group of less than 10,000 trade unionists out of 92,326 wage earners.

Table 13.—Branches and Reported Membership of Trades Unions in the Textile Industries

Organization	1917		1918		1919		1920		1921		1922		1923		1924		1925		1926	
	Branches	Reported membership	Branches	Reported membership	Branches	Reported membership	Branches	Reported membership	Branches	Reported membership	Branches	Reported membership	Branches	Reported membership	Branches	Reported membership	Branches	Reported membership	Branches	Reported membership
United Textile Workers of America.....	5	700	8	500	11	2,000	14	2,534	11	1,200	2	2,304	3	2,335	3	688	3	351	3	65
Federation of Textile Workers of Canada.....	2	1,249	2	1,442	Absorbed by International Unions															
Spinners' International Union.....	1	25	1	16	1	25	1	25	Disso ved											
Canadian Carpet Weavers' Beneficial Association.....					3	172	4	190	4	190	4	256	4	224	4	174	4	204	4	205
United Cloth Hat and Cap Makers of North America.....	4	450	3	305	4	500	4	473	3	400	3	555	4	540	4	340	4	350	4	360
Amalgamated Clothing Workers of America.....	12	7,000	12	5,500	13	9,500	15	9,750	15	9,750	14	9,750	15	7,715	15	8,000	15	5,600	16	4,300
United Garment Workers of America.....	13	1,000	14	2,030	15	1,700	12	1,260	13	2,000	11	700	10	700	10	700	10	700	10	1,278
International Ladies Garment Workers' Union....	11	3,250	11	3,500	9	3,223	11	3,702	10	2,079	7	1,105	7	1,245	7	1,400	9	2,205	9	2,665
<b>Total.....</b>	<b>48</b>	<b>12,674</b>	<b>51</b>	<b>13,293</b>	<b>56</b>	<b>17,120</b>	<b>61</b>	<b>17,834</b>	<b>56</b>	<b>15,619</b>	<b>41</b>	<b>14,676</b>	<b>43</b>	<b>12,759</b>	<b>43</b>	<b>11,392</b>	<b>45</b>	<b>9,410</b>	<b>46</b>	<b>8,873</b>
Laundry Workers International Union.....			1	287	1	21	1	21	1	85	1	75	1	72	2	90	2	96	2	95

**Quantity and Value of Fuel Consumed.**—The quantity and cost of the fuel consumed in the several textile industries in 1926 is shown in Table 14. Their combined fuel bill, exclusive of electricity amounted to \$3,538,667, of which sum \$2,863,341 was paid for bituminous coal and \$223,876 for anthracite, the largest single items in fuel cost. In the absence of exact information about the quality and kind of coal used, it is impossible to compare the costs of different kinds of coal in the same industry or the costs of, say, bituminous coal to different industries. It is for instance, shown in the following table that "cotton yarns and cloth" bought 150,140 tons of bituminous coal in 1926 at a price of \$6.40 a ton. In the same year, the woollen cloth industry bought over 43,000 tons of bituminous coal and paid nearly \$7 a ton for it; the hosiery and knit goods, also a large fuel user, reported an average price per ton for bituminous coal of \$6.75, and the "Cordage, Rope and Twine industry," using only 9,074 tons paid \$5.20 per ton. Obviously, differences in the physical properties of the coal or in the location of the manufacturing establishments are responsible for this spread in fuel prices, and preclude any comparison in fuel costs as between industries. The same spread is apparent in anthracite prices, average cost ranging from some \$5.70 a ton in the laundry industry to about \$8.50 a ton in men's factory clothing. Bituminous or anthracite coal is really half a dozen commodities, and while specifications are lacking, averages and totals must be used with caution. Table 14 gives the itemized quantity and costs of fuels consumed by the Textile Group of Industries in Canada in 1926. Table 15, is a summary by principal fuels of fuel consumption by the same industries.



Table 14.—Quantity and Cost of Fuel Consumed by Textile Industries in Canada, 1926

	Bituminous coal		Anthracite coal		Coke		Gasolene		Fuel oil		Gas		Other Fuel value only	Total values only
	Quantity	Value	Quantity	Value	Quantity	Value	Quantity	Value	Quantity	Value	Quantity	Value		
	Short ton	\$	Short ton	\$	Short ton	\$	Gal.	\$	Gal.	\$	1,000 cu. ft.	\$	\$	\$
Cotton textiles—														
Cotton yarn and cloth.....	150,140	971,864	303	1,468	441	4,934	19,701	5,305	37,527	3,990	2,283	2,375		989,936
Cotton thread.....	1,520	10,160	77	1,041			1,344	384			56	68	8,548	20,201
Cotton and wool waste.....	1,115	7,709	32	505										8,214
Batting and wadding.....	2,032	13,832									217	185		14,017
Cotton textiles, n.e.s.....	3,534	21,759	1,132	7,146	1	13	1,750	525	17,183	1,948	886	499	21	31,011
Woollen textiles—														
Woollen yarns.....	13,502	92,904	26	232			120	40			637	384	1,830	95,399
Woollen cloths.....	43,624	308,000	254	2,660	5	63	3,421	1,096					8,423	320,242
Carpets.....	12,165	74,666	37	553	2	30	4,252	1,173	5,824	705	389	311	379	77,817
Woollen goods, n.e.s.....	9,537	62,336	121	945	52	519	724	217	1,500	600	326	201	7,016	71,834
Hosiery and knit goods.....	66,756	450,415	1,510	10,558	3,910	20,228	1,053	284	68,971	7,456	30,832	15,199	3,819	507,959
Fabric gloves.....	1,379	10,873	45	345							6	5	200	11,423
Silk goods.....	11,666	81,405	2,866	19,492			4,000	1,760			15	19		102,676
Hats and caps.....	7,333	48,575	354	4,240	99	1,679	630	191	17,400	2,086	8,892	8,575	125	65,471
Men's factory clothing.....	4,949	33,394	4,651	39,620	248	2,425	105	35	105,216	10,865	23,931	14,901	795	102,235
Women's factory clothing.....	4,020	29,537	1,565	13,732	12	224	2,708	839	30,400	3,900	6,688	6,167	984	55,383
Corsets.....	924	7,018	198	2,137			5	2	15	3	84	81		9,241
Men's furnishings.....	6,047	42,222	2,824	19,805	32	401	4,131	1,447	14,927	2,119	3,455	2,196	4,573	72,763
Oiled and waterproof clothing.....	1,320	8,733	100	950							231	198	5	9,886
Awnings, tents and sails.....	536	4,118	261	3,557	11	143	394	117	1,380	166	224	132		8,546
Cordage, rope and twine.....	9,074	47,429	40	300									1,696	49,425
Cotton and jute bags.....	2,763	21,284	17	277										21,561
Linen goods.....	1,935	13,751	54	556							16	15	120	14,442
Dyeing, cleaning and laundry work.....	76,182	501,357	16,501	93,757	2,084	18,633	266,274	75,483	649,512	59,700	27,448	19,659	109,496	878,085
<b>Total for all Textiles.....</b>	<b>432,353</b>	<b>2,863,341</b>	<b>32,968</b>	<b>223,876</b>	<b>6,897</b>	<b>49,292</b>	<b>310,612</b>	<b>88,898</b>	<b>949,855</b>	<b>93,538</b>	<b>106,616</b>	<b>71,170</b>	<b>148,552</b>	<b>3,538,647</b>

Table 15.—Quantity and Cost of Principal Fuels Consumed by Textile Industries in Canada, 1926

	Unit of Measure	Quantity	Cost
			\$
Coal—			
Bituminous.....	Short ton	432,453	2,863,341
Anthracite.....	"	32,968	223,876
Lignite.....	"	9,411	45,083
Total coal.....	"	474,832	3,132,300
Gas—			
Coal-gas.....	"	6,897	49,292
Gasoline.....	Gallon	310,612	88,898
Fuel oil.....	"	949,855	63,538
Wood.....	Cord	13,226	53,954
Gas.....	1,000 cu. ft.	106,616	71,170
Other fuel.....			49,515
Total.....			2,538,667

Table 15 shows the outlay on fuel and electricity of the several textile industries in 1925 and 1926. Prior to 1924, the Census of Industry did not collect the cost of electricity as a separate item, so that it is impossible to push back this comparison beyond that year. Even in this three-year period, it is possible to pick out a distinct trend in fuel and power consumption. From 1924 to 1926, the aggregate fuel bill of all the textile industries increased by \$171,631 from \$3,367,036 to \$3,538,667 while the outlay on electricity increased by \$330,939 from \$1,426,681 to \$1,757,620. Money cost alone is an inadequate measure of such change, but as the returns for physical consumption of electricity are anything but complete, money cost is the only index available. Such figures as are found in Table 16 suggest an increasing use of electricity and a slowly diminishing consumption of other fuel. In many industries this transition is already well under way, as may be readily seen in the table attached.

Table 16.—Quantity and Cost of Fuel and Electricity used in the Textile Industries, 1925

	1925			1926		
	No. of est.	Cost of fuel	Cost of electricity	No. of est.	Cost of fuel	Cost of electricity
		\$	\$		\$	\$
Cotton textile—						
Cotton yarn and cloth.....	37	940,461	677,171	38	989,936	730,088
Cotton thread.....	5	19,584	35,222	5	20,201	36,919
Cotton and wool waste.....	7	7,571	7,592	8	8,214	12,651
Barling and wadding.....	7	10,714	11,742	8	14,017	13,686
Cotton goods, n.e.s.....	22	33,779	9,069	22	31,911	6,377
Woolen textiles—						
Woolen yarns.....	16	77,647	38,351	17	95,399	40,891
Woolen cloths.....	57	319,766	92,584	54	320,242	106,260
Carpets.....	10	51,353	24,330	17	77,817	22,934
Woolen goods, n.e.s.....	30	68,564	29,861	28	71,834	29,950
Hosiery and knit goods.....	154	457,348	172,870	158	507,959	170,503
Fabric gloves.....	8	9,221	3,892	9	11,423	3,244
Blank goods.....	11	75,876	46,120	12	102,676	75,464
Hats and caps.....	119	58,522	31,120	138	65,471	28,171
Men's factory clothing.....	173	86,331	59,210	188	102,235	63,290
Women's factory clothing.....	374	56,791	81,196	385	55,383	95,414
Coats.....	17	9,779	7,801	16	9,241	5,617
Men's furnishings.....	135	76,131	48,295	139	72,769	46,966
Oil and waterproof clothing.....	12	10,273	1,202	13	9,880	752
Awnings, tents and sails.....	51	8,113	5,280	49	8,510	4,942
Carriage, rope and twine.....	9	24,704	90,109	11	49,425	106,500
Cotton and lute bags.....	15	20,557	13,237	14	21,561	12,968
Other goods.....	6	10,635	5,774	6	14,442	4,713
Dyeing, cleaning and laundry work.....	343	823,207	140,325	350	878,085	139,311
Total.....	1,629	3,257,927	1,635,872	1,635	3,538,667	1,757,620

**Power Employed in Textile Industries.**—Table 17 shows in summary form the power installation of the Textile Industries in 1926. The 1,685 concerns reporting to the Industrial Census operate in all 15,754 power units with a total horse-power of 176,640 reckoned according to manufacturers' rating. Of this total 100,014 h.p. is used in the Cotton Textile Industries, and the remainder is for the most part installed in the woollen textile and hosiery and knit goods industries. Of this total installation of 15,754 units of 176,640 h.p., 15,308 units capable of generating 117,069 h.p. were electric motors; and of these 15,308 electric motors, 86 p.c. or 13,190 were operated by purchased power, the remainder being operated by power generated by the establishment. Steam engines to the number of 284 with a horse power of 28,582, 133 hydraulic turbines and water wheels of 29,717 h.p. and 29 oil gas and gasoline engines rated at 1,272 h.p., complete the power installation of the industry.

There were, also, in use in 1926, 846 boilers with a combined horse power rating of 73,693; 139 boilers with horse power of 23,389 were used in the cotton yarn and cloth industry, 110 of 11,204 h.p. were used in the hosiery and knit goods, and 297 with a horse power rating of 17,381 were installed in reporting laundries.

**Table 17. — Power Employed in the Textile Industries, 1926. Number of Units with Horse-power according to Manufacturers' Rating**

	Unit of measure	Steam engines and turbines	Oil gas and gasoline engines	Hydraulic turbines or water wheels	Electric motors operated by purchased power	Electric motors operated by power generated by the establishment	Total power installed		Boilers installed
							Units	Horse-power	
<b>Cotton textiles—</b>									
Cotton yarn and cloth.....	No. 49 H.P. 13,317	1 25	48 22,750	1,630 39,644	1,594 19,810	3,322 95,546			119 21,449
Cotton thread.....	No. 1 H.P. 40			258 1,802		259 1,842			5 615
Cotton and wool waste.....	No. 40 H.P.			50 1,106		50 1,106			2 110
Batting and wadding.....	No. 66 H.P.			66 610		66 610			2 200
Cotton textiles, n.e.s.....	No. 7 H.P. 175			112 709	5 26	124 910			11 1,015
<b>Woollen textiles—</b>									
Woollen yarns.....	No. 4 H.P. 290	2 23	6 408	172 2,381		184 3,102			20 1,800
Woollen cloth.....	No. 17 H.P. 2,377	3 33	34 2,579	556 6,672	37 577	647 12,238			67 7,628
Carpets.....	No. 3 H.P. 522	1 3		377 2,501		381 3,026			13 2,592
Woollen goods, n.e.s.....	No. 3 H.P. 290	2 189	8 1,278	246 2,691	55 1,170	314 5,598			12 1,015
Hosiery and knit goods.....	No. 33 H.P. 3,274	14 934	27 2,473	1,510 9,442	145 1,161	1,729 17,284			110 11,204
Fabric gloves and mittens.....	No. 1 H.P.			46 192		46 192			3 185
Silk goods.....	No. 6 H.P. 156			4,500 3,127		4,506 3,283			20 1,805
Hats and caps.....	No. 7 H.P. 399	1 4		238 914	7 25	253 1,342			21 1,274
Men's factory clothing.....	No. 3 H.P. 300			390 1,502	1 100	394 1,902			86 932
Women's factory clothing.....	No. 1 H.P. 50			1,075 3,269		1,076 3,319			6 137
Corsets.....	No. 1 H.P. 100		3 15	66 187	1 30	71 332			3 210
Men's furnishings.....	No. 10 H.P. 802	2 19	3 37	426 1,675	36 119	477 2,742			20 1,478
Oiled and waterproof clothing.....	No. 1 H.P. 60		2 2	7 33	5 7	15 102			4 148
Awnings, tents and sails.....	No. 1 H.P.			83 212		83 212			
Cordage, rope and twine.....	No. 4 H.P. 485	1 2	1 165	193 7,140		199 7,792			17 2,033
Cotton and jute bags.....	No. 1 H.P. 40			145 935	30 127	176 1,102			7 460
Linen goods.....	No. 1 H.P.			74 573		74 573			1 22
Dyeing, cleaning and laundry work..	No. 133 H.P. 5,815	2 60	1 10	970 5,986	202 614	1,308 12,485			297 17,381
<b>All textiles, totals.....</b>	<b>No. 284 H.P. 28,582</b>	<b>29 1,272</b>	<b>133 29,717</b>	<b>13,190 93,363</b>	<b>2,118 23,766</b>	<b>15,754 176,640</b>			<b>846 73,693</b>



**Cost of Materials and Selling Value of Products.**—Table 18 shows the cost of materials used and the selling value of the product and value added by manufacture for the several industries comprising the Textile Group in the years 1925 and 1926. The materials used in 1926 cost \$9,713,971 more than in the previous year, while the sales value of the product rose by \$29,304,703, thus leaving a net increase in the value added by manufacture of \$19,590,732.

All the industries in the Textile Group with the exception of "Cotton and Wool Waste," "Corsets" and "Cotton and Jute Bags" reported a substantial increase in the volume of business done in 1926 over that done in 1925.

The cotton textiles show in the aggregate, an increase in the net value of their product of \$4,623,108; the hosiery and knit goods establishments report an increase of \$2,870,907; woollen yarns and cloth an increase of \$1,138,531, men's and women's factory clothing show an increase of \$3,716,588 and hats and caps an increase of \$929,068.

On the other hand, the cotton and wool waste industry reported a decrease of \$179,544 in the value added by manufacture, corsets a decline of \$176,772 and cotton and jute bags a drop of \$189,025.

**Table 18.—All Textiles: Cost of Materials Used, Selling Value of Product and Value added by Manufacture, 1925 and 1926**

	1925			1926		
	Cost of materials used	Selling value of products	Value added by manufacture	Cost of materials used	Selling value of products	Value added by manufacture
	\$	\$	\$	\$	\$	\$
Cotton yarn and cloth.....	44,793,622	72,781,517	27,987,895	44,265,529	76,274,257	32,008,728
Cotton thread.....	2,036,552	3,921,862	1,885,310	2,300,350	4,538,217	2,177,867
Cotton and wool waste.....	1,712,775	2,452,488	739,713	1,830,029	2,390,198	560,169
Batting and wadding.....	1,024,459	1,771,676	747,217	1,218,331	2,404,251	1,185,920
Cotton textiles, n.e.s.....	2,843,739	3,960,073	1,116,334	3,048,742	4,215,635	1,100,893
Woollen yarns.....	4,787,201	7,332,993	2,544,892	4,062,118	7,006,877	2,944,759
Woollen cloth.....	9,415,211	15,499,326	6,084,115	8,080,304	15,503,083	6,822,779
Carpets.....	1,432,494	2,905,251	1,472,757	1,515,052	3,152,800	1,637,748
Woollen goods, n.e.s.....	3,141,761	5,513,230	2,371,469	2,947,112	5,738,462	2,791,350
Hosiery and knit goods.....	26,741,153	47,512,154	20,771,001	28,731,533	52,373,441	23,641,908
Fabric gloves and mittens.....	378,443	1,043,280	664,837	481,316	1,302,318	821,002
Silk goods.....	3,361,035	5,483,363	2,122,328	3,472,965	8,507,153	5,034,188
Hats and caps.....	5,891,213	11,862,745	5,971,532	6,770,526	13,671,126	6,900,600
Men's factory clothing.....	19,890,260	38,236,384	18,346,124	21,044,919	41,784,131	19,839,212
Women's factory clothing.....	27,105,143	46,779,771	19,674,628	28,760,101	50,658,319	21,898,128
Corsets.....	2,330,165	4,314,309	1,984,144	2,241,554	4,048,920	1,807,372
Men's furnishings.....	13,126,738	23,040,262	9,913,524	16,244,847	26,394,517	10,149,670
Oiled and waterproof clothing.....	496,383	990,895	494,502	606,680	1,157,182	550,502
Awnings, tents and sails.....	1,060,698	1,833,626	772,928	1,325,702	2,232,440	906,738
Cordage, rope and twine.....	5,795,287	8,665,441	2,870,154	7,566,817	10,574,082	3,007,865
Cotton and jute bags.....	12,948,571	14,932,322	1,983,751	12,277,373	11,072,099	1,794,726
Linen goods.....	313,923	443,064	129,141	317,694	515,935	198,241
Dyeing, cleaning, and laundry work.....	2,433,053	15,578,482	13,145,429	2,104,170	17,642,268	15,538,092
<b>All textiles.....</b>	<b>193,059,889</b>	<b>336,853,614</b>	<b>143,793,725</b>	<b>202,773,860</b>	<b>366,158,317</b>	<b>163,394,457</b>

Table 19 is a summary comparison of the principal statistics of the textile group and those of "All other Industries," based on the "Preliminary Report on General Manufactures" in 1926. Some special characteristics of the textile industries, already mentioned, are here shown in tabular form.

It may be noticed that the average capital per establishment in the Textile Group was \$188,111, while for "All other Manufactures" the average was \$174,314. The average concern in the Textile Group employed 59.6 persons, 4.8 on salaries and 54.8 on wages. The average concern in "All other Manufactures" had but 22.9 employees, 3.5 on salaries and 19.4 on wages. It is thus apparent that the average concern in the textiles group represents a larger capital investment and gives employment to many more persons than the average firm in the group "All other Manufactures."

The average salary \$1,959 in 1926 is some 6 p.c. higher than the average salary in "All other Manufactures." On the other hand, average annual wages, irrespective of age and sex, stand at \$787 in 1926, as against an average of \$1,052 in "All other Industries." The remaining items in the comparison are self-explanatory.

Table 19.—Principal Statistics—Compared: Textiles and All Other Industries, 1926

	Textiles and textile products	Average per establish- ment	All other industries	Average per establish- ment
Number of establishments.....	1,685		21,023	
Capital invested.....	316,967,706	188,111	3,664,601,884	174,314
Salaried employees.....	8,108	4.8	73,686	3.5
Salaries.....	15,884,517		136,821,427	
Average salary.....	1,959		1,857	
Wage-earners.....	92,326	54.8	407,407	19.4
Wages.....	72,651,228		428,493,761	
Average wage.....	787		1,052	
All employees.....	100,434	59.6	481,093	22.9
Cost of materials used.....	202,773,860	120,341	1,525,850,332	72,580
Selling value of product.....	366,158,317	217,305	2,881,645,121	137,071
Value added by manufacture.....	163,384,457	96,964	1,355,794,789	64,491

**Average Size of Establishments, as based on Number of Employees.**—In the introduction to the previous table reference was made to the average size of establishments. This crude average obtained by dividing the number of establishments into the aggregate—capital, employees, selling value of product, etc., gives an “average” establishment that is unlikely to be actual. To determine the normal or representative size of establishment other methods must be used. Firms can be classified by size according to capital investment, number of employees, or selling value of product. On the whole, number of employees is perhaps the best single test.

In the sample distributions given here, four more or less representative textile industries were sorted and classified according to the number of employees per establishment. As this classification is confined to the year 1926, it is purely descriptive; it gives a cross section of the industry at one particular point in its history. To make this study of size of establishment complete, similar studies would have to be made at regular intervals, in order to measure the tendency, if any, to industrial concentration, etc.

The questions of ownership, of central office control, etc., do not come within the scope of this inquiry, which can only show the distribution of capital, employees, and gross value of product, between the groups of establishments employing, as in the illustration used, 5-20, 21-50 and 51-100 employees, and so on.

**Cotton Yarn and Cloth Industry.**—Table 20 shows the establishments in the cotton yarn and cloth industry, classified according to the number of their employees. It may be noted in the first place, that although over 80 p.c. of all concerns reporting to the Census of Industry in 1926 had fewer than 20 employees, only two establishments in the cotton yarn and cloth industry come within these two first groups. In fact the ordinary distribution is reversed, for though only .6 of one per cent of the Canadian manufacturing plants employ over 500 men, yet 42.1 p.c. of the firms in the cotton yarn and cloth industry come within this class. These 16 firms employing 501 workers or more, represent a combined capital investment of \$60,274,382 or 72.4 p.c. of all the capital invested in the industry. These 16 firms employ 15,635 persons, 77 p.c. of all the employees in the industry, and they manufacture goods with a sales value of \$56,952,671, nearly 75 p.c. of the gross selling value of the product for the whole of the industry.

If we carry this subdivision farther, we find that six firms employing over 1,000 employees each—i.e., one-sixth of the total number of establishments—use 38 p.c. of the capital, employ 43 p.c. of the persons engaged in the industry and make goods listed at 44 p.c. of the total sales value of the product of the industry.

It may be noted that though average capital per establishment is \$2,195,768, there are four firms in the industry whose average capital is less than a quarter of a million and there is another group of six firms whose average capital is over a five and a quarter million dollars.

Similarly the average number of employees per plant for the whole industry is 535, yet 43 p.c. of the employees are working in a group of concerns whose average number of persons employed is 1,455. With such a distribution of capital and employees a crude average is of limited value. In the table following the crude averages for the industry are supplemented by special averages for the various sub-groups.

Table 20.—Classification According to Size of Establishment, as Indicated by Number of Employees—Cotton Yarn and Cloth Industry, 1926

	Number of estab- lishments	Per cent	Capital employed	Per cent	Number of em- ployees	Per cent	Selling value of products	Per cent	Average capital per estab- lishment in each group	Average number of em- ployees per estab- lishment in each group
			\$				\$		\$	
Fewer than 5.....	2	5.3	326,649	0.4	23	0.4	89,416	0.1	163,325	12
5-20.....	2	5.3	362,031	0.4	80	0.4	219,225	0.3	181,040	40
21-50.....	3	7.9	2,766,847	3.3	204	1.0	1,638,694	2.1	922,282	63
51-100.....	5	13.1	3,852,047	4.5	720	3.6	5,624,242	7.4	770,409	145
101-200.....	10	26.3	15,857,173	19.0	3,655	18.0	11,759,009	15.4	1,585,717	365
201-500.....	10	26.3	28,819,655	34.6	6,905	34.0	23,324,376	30.6	2,881,965	690
Over 500.....	6	15.8	31,454,727	37.8	8,730	43.0	33,028,295	44.1	5,242,454	1,455
<b>Total.....</b>	<b>38</b>	<b>100.0</b>	<b>83,438,179</b>	<b>100.0</b>	<b>20,323</b>	<b>100.0</b>	<b>76,271,257</b>	<b>100.0</b>	<b>2,195,768</b>	<b>535</b>

*Cottons other than Yarn and Cloth.*—The previous table stressed the great size and strength of the representative manufacturing concerns making cotton yarns and cloth. Table 21, classifying all other cotton textiles on the basis of number of employees, shows a very different distribution of firms, capital, employees, and sales value of products. This group, comprising cotton thread, cotton and wool waste, batting and wadding including surgical dressings, and cotton textiles not elsewhere specified, is obviously operating under very different conditions from those prevailing in the yarn and cloth business.

In this group more than half the reporting concerns have less than 20 employees, and none of the 43 concerns engages more than 500 work people. Yet even in this group, though on a smaller scale, the concentration of a large part of the business in the hands of the few largest firms is apparent. It may be noticed that the three largest concerns represent an investment of \$4,916,268 or 42.5 p.c. of all the capital invested in cotton textiles other than yarns and cloth; these three firms employ 37.1 p.c. of the work people and manufacture a product worth \$5,189,866 or 38.3 p.c. of the total selling value of the output of the 43 firms listed.

Table 21.—Classification according to Size of Establishment as Indicated by Number of Employees—Cottons: Other than Yarn or Cloth, 1926

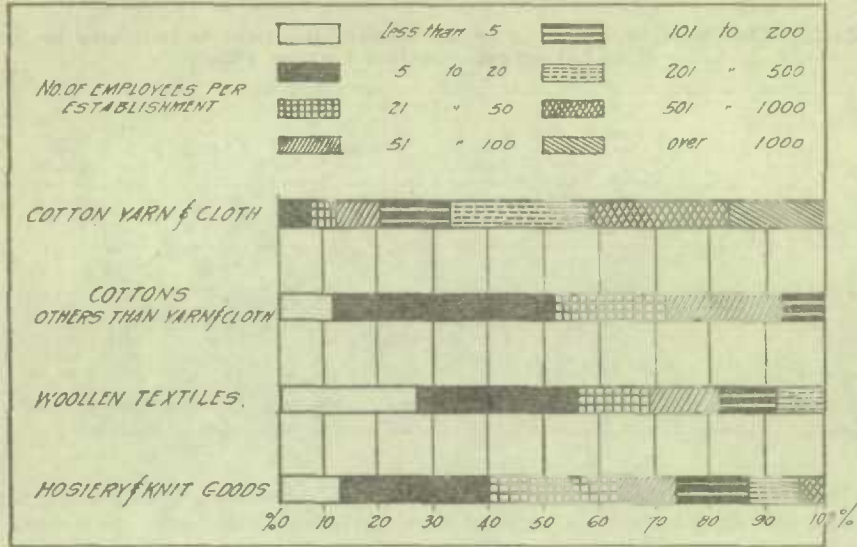
Number of employees per establishment	Number of estab- lishments	Per cent	Capital employed	Per cent	Number of em- ployees	Per cent	Selling value of products	Per cent	Average capital per estab- lishment in each group	Average number of em- ployees per estab- lishment in each group
			\$				\$		\$	
Fewer than 5.....	4	9.3	20,448	0.2	4	0.2	15,080	0.1	5,112	1
5-20.....	18	41.9	956,521	8.3	238	11.6	1,388,017	10.3	53,140	14
21-50.....	9	20.9	1,790,103	15.5	314	15.6	2,524,426	18.6	197,789	35
51-100.....	9	20.9	3,878,149	33.5	710	35.3	4,429,912	32.7	430,995	79
101 and over.....	3	7.0	4,916,268	42.5	747	37.1	5,189,866	38.3	1,638,756	249
<b>Total.....</b>	<b>43</b>	<b>100.0</b>	<b>11,561,489</b>	<b>100.0</b>	<b>2,013</b>	<b>100.0</b>	<b>13,548,301</b>	<b>100.0</b>	<b>268,872</b>	<b>47</b>

*Woollen Textile Industry.*—In sharp contrast to the cotton yarn and cloth industry, which has but 2 establishments with less than 20 employees, the woollen textiles group has more than half its plants in this category; 63 out of a total of 116. The average woollen mill is a much smaller affair than the modern cotton factory; it has frequently grown up out of an earlier custom trade entering to the demand of a limited locality. In consequence there are still remains of the old pre-factory system visible in the modern organization of the woollen industry, particularly in the survival of firms with fewer than five employees. This group of concerns, a quarter of all those in the woollen textile group, uses but .4 per cent of the capital employed by the whole industry. It gives work to 0.7 per cent of the employees and manufactures goods with a selling value of 0.4 per cent of the total sales value of wool textile products.

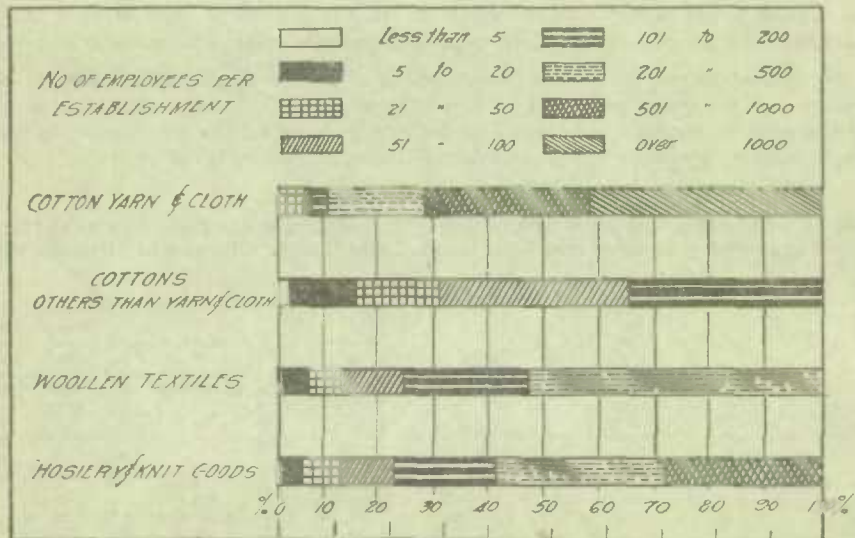


# TEXTILE INDUSTRIES 1926

CONCENTRATION OF TEXTILE INDUSTRIES ACCORDING TO  
THE PERCENTAGE OF ESTABLISHMENTS IN EACH OF THE GROUPS INDICATED



CONCENTRATION OF TEXTILE INDUSTRIES ACCORDING TO  
THE PERCENTAGE OF EMPLOYEES IN EACH OF THE GROUPS INDICATED



Twenty-three concerns out of 116 employ over 100 workers; these firms use a combined capital of \$31,153,679, more than 75 per cent of the capital invested in the industry, and manufacture goods that sell for \$23,319,345, or 74·3 p.c. of the selling value of the products of the whole woollen textile industry.

The average capital per establishment in each group and the average number of employees per plant are included in the following table:—

**Table 22.—Classification according to Size of Establishment as Indicated by Number of Employees—Woollen Textiles, 1926**

	Number of establishments	Per cent	Capital employed	Per cent	Number of employees	Per cent	Selling value of products	Per cent	Average capital per establishment in each group	Average number of employees per establishment in each group
			\$				\$		\$	
Fewer than 5.....	28	24·1	164,429	0·4	59	0·7	137,910	0·4	4,925	2
5-20.....	35	30·2	1,759,761	4·3	342	4·3	1,406,885	4·5	40,197	10
21-50.....	15	12·9	2,500,848	6·0	494	6·2	1,657,525	5·3	166,723	33
51-100.....	15	12·9	5,605,884	13·6	1,161	14·4	4,879,557	15·5	373,726	77
101-200.....	12	10·3	8,258,621	20·1	1,624	20·3	6,549,115	20·9	688,220	135
201 and over.....	11	9·6	22,895,058	55·6	4,339	54·1	16,770,230	53·4	2,081,369	394
<b>Total.....</b>	<b>116</b>	<b>100·0</b>	<b>41,184,601</b>	<b>100·0</b>	<b>8,019</b>	<b>100·0</b>	<b>31,401,222</b>	<b>100·0</b>	<b>355,040</b>	<b>69</b>

*Hosiery and Knit Goods Industry.*—The last sample taken is the hosiery and knit goods industry, with which is combined the allied fabric gloves and mitten trade. As is shown in the following table, there is as yet no prevailing size of establishment that can be taken as typical or representative of this kind of manufacture. By every test, except mere number of establishments, the largest and most important group is that of firms employing from 201-500 persons. The eighteen establishments in this class are 10·8 per cent of the 167 firms reporting to the Census of Industry; but these 18 firms use a capital of over \$17,000,000 or nearly 34 p.c. of the total capital invested in the industry. They give work to 5,364 employees, 32·6 per cent of all those engaged in the hosiery and knit goods trades, and the selling value of their products is \$17,313,519, 32·2 per cent of the selling value of all products made in the industry.

So, although there is not the same concentration of business in the hands of the larger establishments as in the cotton yarns and cloth, nor the same survival of virtual handicraft concerns as in the woollen industries, yet there is an evident tendency for the firms employing over 200 hands to assume a steadily growing proportion of the total business of the industry.

**Table 23.—Classification according to Size of Establishment as Indicated by the Number of Employees—'Hosiery and Knit Goods', and 'Fabric Gloves and Mittens', 1926**

	Number of establishments	Per cent	Capital employed	Per cent	Number of employees	Per cent	Selling value of products	Per cent	Average capital per establishment in each group	Average number of employees per establishment in each group
			\$				\$		\$	
Fewer than 5.....	18	10·8	144,759	0·3	40	0·2	118,114	0·2	8,042	2
5-20.....	45	27·0	1,506,983	2·9	588	3·6	1,855,835	3·5	33,489	13
21-50.....	38	22·7	3,708,485	7·2	1,234	7·5	4,293,569	8·0	97,592	32
51-100.....	20	12·0	3,627,727	7·1	1,402	8·5	4,430,876	8·3	181,386	70
101-200.....	21	12·6	11,413,731	22·1	3,015	18·3	9,963,899	18·6	543,511	144
201-500.....	18	10·8	17,464,400	33·8	5,364	32·6	17,313,519	32·2	970,244	293
Over 500.....	7	4·2	13,743,031	26·6	4,831	29·3	15,699,947	29·2	1,963,290	690
<b>Total.....</b>	<b>167</b>	<b>100·0</b>	<b>51,609,116</b>	<b>100·0</b>	<b>16,474</b>	<b>100·0</b>	<b>53,675,759</b>	<b>100·0</b>	<b>309,037</b>	<b>99</b>

**Summary.**—These four industries are a pretty fair sample of the Textile trades. The inclusion of one of the clothing trades would undoubtedly make the group more representative; but for various reasons the factory clothing statistics are not as complete or reliable as those of the industries chosen. It is therefore impracticable to generalize about prevailing "size of establishment" or representative firm in such cases. The industries examined illustrate the different types of industrial organization, existing in the different industries. At one pole, is the cotton yarn and cloth industry, an excellent example of mass production made possible by a very heavy capital investment per plant and the concentration of the work-people in a relatively few enormous concerns. At the opposite pole, are the cotton textiles other than yarns and cloth, where the manufacture of by-products, specialties and consumers' products in general does not encourage the technique of mass production already well established in the cotton yarn and cloth industry.

Between these extreme forms of industrial organization are found the woollen industries and hosiery and knit goods industry. In the former group, there is as yet no representative firm, no type of organization to which the industry tends to conform. There are numerous small concerns with less than 5 employees, and there are some concerns with more than 500 employees, engaged in making similar goods for a common market. Under these circumstances, one can hardly draw any positive conclusions from the tables showing the distribution of establishments in each industry.

Table 24 brings together, to facilitate comparison, facts already brought out in the four previous tables.

**Table 24.—Comparative Statistics: Average Number of Establishments and Employees per Establishment in Various Textile Industries, 1926**

Number of employees per establishment	Fewer than 5	5-20	21-50	51-100	101-200	201-500	501-1,000	Over 1,000	Total
<b>Cotton yarn and cloth—</b>									
Number of establishments.....		2	2	3	5	10	10	6	38
Average number of employees per establishment.....		12	40	68	145	365	690	1,455	535
<b>Cotton other than yarn and cloth—</b>									
Number of establishments.....	4	18	9	9	3				43
Average number of employees per establishment.....	1	14	35	79	249				47
<b>Woollen textiles—</b>									
Number of establishments.....	28	35	15	15	12	11			116
Average number of employees per establishment.....	2	10	33	77	135	394			69
<b>Hosiery and knit goods—</b>									
Number of establishments.....	18	45	38	20	21	18	7		167
Average number of employees per establishment.....	2	13	32	70	144	298	690		99

**Physical Volume of Production in the Textile Industries, 1917-26.**—Table 25 and the Chart attached represent an attempt to work out the physical volume of production of the Textile Industries in the years 1917-26. The method employed is that described in the Canada Year Book 1925, p. 407.

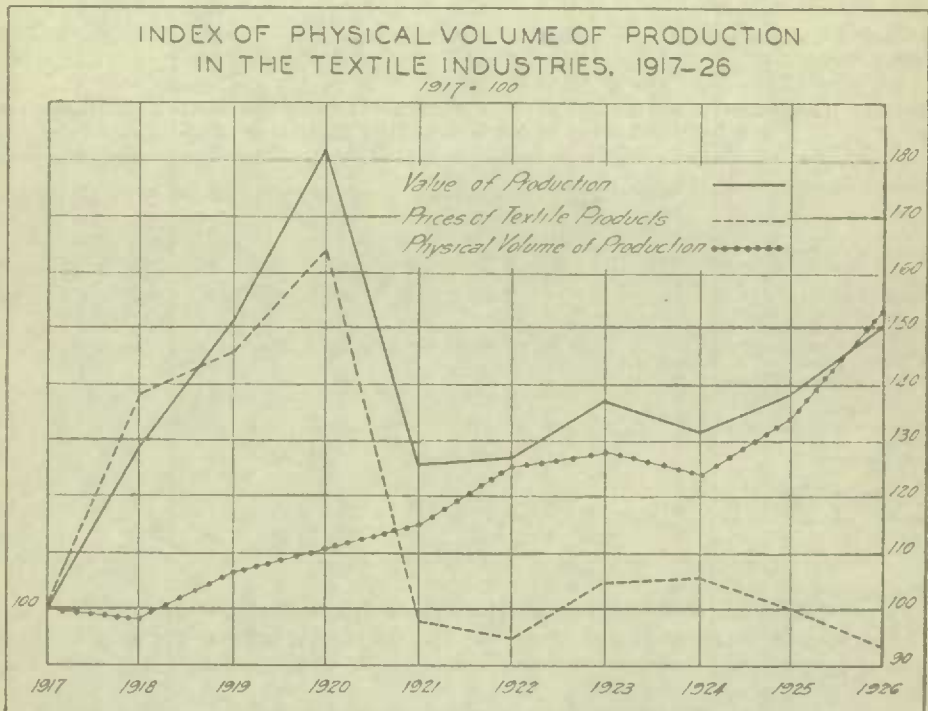
First the gross value of the manufactured commodities produced in 1917, the first year of the industrial census, is taken as 100 and later years given as a percentage of this. Next, the index number of the wholesale prices of manufactured commodities are given for each year and in the adjoining column reduced to a percentage relative to 1917. Finally the prices expressed as a percentage are divided into the values expressed as a percentage, and the quotient is considered to be the index of the physical volume of production.

In attempting to measure the physical volume of production of the textile industries this method has been used with some modifications. The Bureau's index number of the wholesale prices of fibres, textiles, and textile products was found inadequate for this particular purpose, and was accordingly modified by the omission of the prices of raw materials previously included. The revised index number of the prices of textiles and textile products was combined with the index number of the retail prices of clothing. In the new index number textile prices were weighted as two and clothing as one.



This cumbrous and rather complicated device can only give an approximate measure of the trend of physical production during the period under review. With the elimination of the price factor, thus imperfectly achieved, certain cautious generalizations are perhaps possible. First: The secular trend of physical production since 1917 has been steadily upward; 1918 and 1924 record slight decreases on the previous year's production, but the trend is unmistakeable. According to this estimate 1926 is the year of maximum physical output, which was approximately 54 p.c. greater than in 1917.

The most disconcerting feature of this chart is the disappearance of the depression of 1921. This arises from the fact that statistics furnished the Dominion Bureau of Statistics may pertain to the last financial year of an establishment. In this way it happens that the financial year of one of the largest companies ends March 31st, so that the enormous production reported by it in 1921 was really only for three months of that year and nine months of the preceding year. If these figures were corrected to correspond to the calendar year, the physical volume of production in 1921 would undoubtedly be shown much lower than that of 1920.



This reservation made, the plotted trend is probably fairly accurate. By way of comparison the gross money value of production and the corrected money value of production are also given, each expressed as percentages of values in 1917. From inspection of the chart it is apparent that while the quantity of the products of the textile industries has increased about 54 per cent since 1917, their real selling value has increased 72 per cent, while their nominal selling value has increased by 50½ per cent.



Table 25.—All Textiles: Index of Physical Volume of Production, 1917-26

	Gross value of production	Percentage relative 1917	Revised Index No. of prices of textiles and textile products	Index No. retail prices of clothing	Revised index of prices	Index of physical volume of production
	\$		1917=100	1917=100	1917=100	1917=100
1917.....	243,223,770	100.0	100.0	100.0	100.0	100.0
1918.....	313,439,115	128.9	137.5	117.0	130.7	98.6
1919.....	367,480,878	151.1	145.7	134.5	141.9	106.5
1920.....	443,770,953	182.4	164.6	163.5	164.2	111.1
1921.....	304,912,556	125.4	97.3	133.1	109.1	114.9
1922.....	308,560,103	126.9	94.7	112.8	100.7	126.0
1923.....	334,439,106	137.1	104.5	111.5	106.8	128.4
1924.....	321,251,016	132.1	105.6	108.8	105.7	125.8
1925.....	336,853,614	138.5	100.6	108.8	103.4	133.9
1926.....	366,158,317	150.5	93.8	106.8	98.1	153.8

Table 26 presents the gross selling value of the product of the combined Textile Industries for the years 1917-26: first as a crude percentage of its value in 1917 and second as a corrected percentage of its value in that year. The corrected percentage shows that the exchange value of the products of the textile industries, in terms of all other commodities, has increased by 72 per cent since 1917, while its value in terms of money has increased by 50.5 per cent and its physical output has increased by 53.8 per cent since that time.

Table 27 presents for future reference the various relevant index numbers prepared by the Dominion Bureau of Statistics and reduced to a 1917 basis.

Table 28 is reprinted from "Prices and Price Indexes 1913-26," issued by the Dominion Bureau of Statistics.

Table 26.—All Textiles: Gross Value of Production, 1917-26—Corrected for Price Changes

Years	Gross value of production	Percentage relative to 1917	Index numbers prices of all com- modities 1917=100	Gross value of pro- duction— (general price changes eliminated)
	\$			
1917.....	243,223,770	100.0	100.0	100.0
1918.....	313,439,115	128.9	111.5	115.6
1919.....	367,480,878	151.1	117.2	128.9
1920.....	443,770,953	182.4	136.4	133.7
1921.....	304,912,556	125.4	96.2	130.3
1922.....	308,560,103	126.9	85.2	149.9
1923.....	334,439,106	137.1	85.7	160.0
1924.....	321,251,016	132.1	87.0	151.8
1925.....	336,853,614	138.5	90.0	153.9
1926.....	366,158,317	150.5	87.5	172.0

Table 27.—Index Number of Prices, of "All Commodities", "Cost of Living", "Textile Products", and Combined "Clothing and Textile Prices"

Average prices	Index number All commodities		Index number Cost of living		Index number Fibres, textiles and textile products		Com- bined index Number of textiles and clothing prices used in esti- mating physical volume of production 1917=100
	1913=100	1917=100	1913=100	1917=100	1913=100	1917=100	
1917.....	178.5	100.0	131.0	100.0	198.8	100.0	100.0
1918.....	199.0	111.5	149.0	113.8	269.9	137.1	130.7
1919.....	209.2	117.2	184.0	125.2	281.4	143.0	141.9
1920.....	243.5	136.4	190.0	145.0	303.3	154.1	164.2
1921.....	171.8	96.2	167.0	127.5	165.0	83.8	109.1
1922.....	152.0	85.2	153.0	116.8	174.7	88.8	100.7
1923.....	153.0	85.7	153.0	116.8	200.9	102.1	106.8
1924.....	155.2	87.0	150.0	114.5	202.5	102.9	106.7
1925.....	160.3	90.0	152.0	116.0	193.3	98.2	103.4
1926.....	156.2	87.5	153.0	116.8	171.8	87.3	98.1

Table 28.—Yearly Index Number of Fibres, Textiles and Textile Products

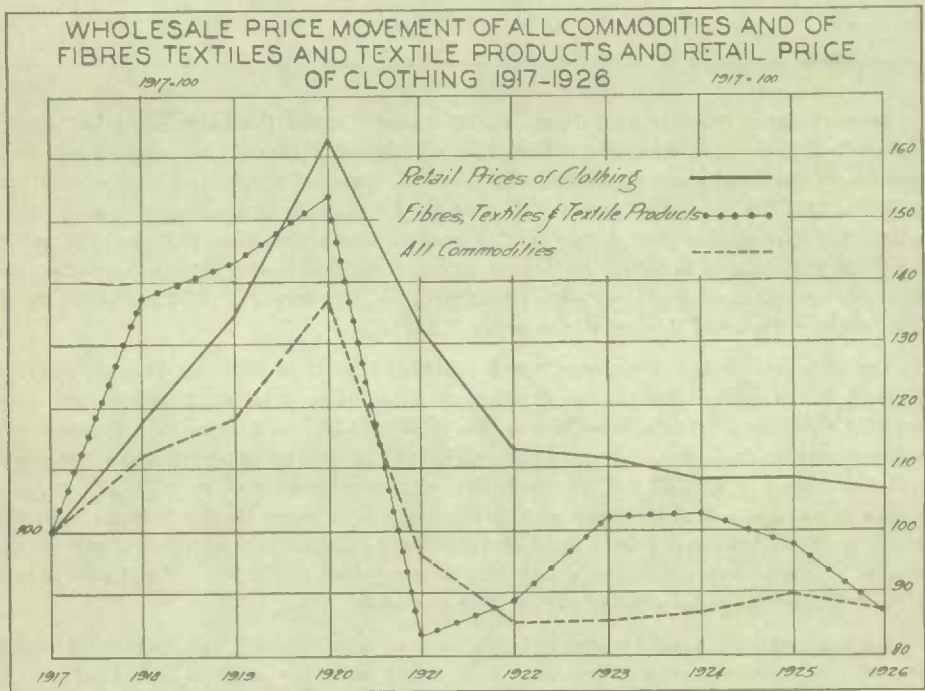
Average Prices 1913=100

	1914	1915	1916	1917	1918	1919	1920	1921	1922	1923	1924	1925	1926
ALL FIBRES, TEXTILES AND TEXTILE PRODUCTS.....	97.8	100.2	133.3	196.8	269.9	281.4	303.3	165.0	174.7	200.9	202.5	193.3	171.8
Cotton and its products.....	85.3	75.2	106.7	169.6	235.7	285.6	329.6	127.2	173.5	234.1	226.3	193.0	144.4
Cotton, raw, upland middling.....	87.4	77.4	113.0	182.0	245.1	250.0	266.5	117.3	165.3	228.0	223.4	182.8	136.1
Cotton, raw, middling 1-1/16.....	85.3	75.2	106.7	169.6	235.7	285.6	329.6	127.2	173.5	234.1	226.3	193.0	144.4
Yarn and Thread.....	96.3	87.0	125.0	187.0	265.0	260.5	308.4	151.7	166.5	232.0	204.6	183.0	157.9
Cotton thread, J. & P. Coats, 6 cords.....	96.2	100.0	121.2	138.0	171.9	209.4	252.9	202.3	175.4	190.8	198.5	217.5	223.8
Cotton yarn, 10s, white, single, hos. cops.....	96.3	85.7	125.4	192.2	275.0	266.0	314.3	140.3	165.6	237.0	205.3	179.3	150.8
Fabrics.....	98.0	96.4	127.4	183.4	264.0	287.6	336.1	180.2	193.7	215.0	219.0	198.9	181.0
Gingham, amoskeag, 6-37 yds. to lb.....	81.6	84.2	109.7	144.7	210.5	245.3	323.2	226.3	190.8	201.4	191.2	183.6	176.9
Denim, blue, 2 yds. to lb.....	97.2	97.7	130.9	181.6	255.2	266.1	282.1	160.0	161.9	202.6	205.0	176.9	156.4
Ticking, 1-90 yds. to lb.....	90.4	97.0	128.4	184.7	253.3	264.2	332.5	163.2	184.3	212.6	215.5	195.8	171.7
Shirting, 4-35 yds. to lb.....	102.4	104.5	143.4	203.3	305.5	340.8	387.9	206.4	227.2	246.7	249.1	223.2	208.5
Saxony, 4-15 yds. to lb.....	99.6	89.7	110.7	167.5	237.2	269.2	329.3	174.1	188.3	196.9	206.3	194.1	177.1
Cotton bags, printed.....	94.7	85.9	116.2	173.9	247.5	233.2	273.7	148.3	158.8	182.2	185.5	173.8	152.0
Hosiery.....	166.7	171.4	181.0	190.5	219.0	309.5	364.7	311.5	263.8	295.2	295.8	278.1	276.7
Men's hosiery.....	166.7	171.4	181.0	190.5	219.0	309.5	364.7	311.5	263.9	295.2	295.8	278.1	276.7
Sash cord.....	98.0	87.1	118.7	169.4	238.6	251.5	335.3	186.1	183.7	230.2	246.0	204.0	175.1
Sash cord, No. 8.....	98.0	87.1	118.7	169.4	238.6	251.5	335.3	186.1	183.7	230.2	246.0	204.0	175.1
Flax, hemp and jute products.....	85.9	117.9	156.0	209.5	309.0	262.9	256.6	132.7	145.2	137.7	149.7	172.8	155.2
Flax, fibre.....	96.5	167.5	233.7	356.1	590.4	649.8	757.7	360.8	234.4	207.3	208.1	265.9	226.9
Flax tow sewing twine, 2-6 ply and up.....	99.6	116.1	152.8	198.7	235.5	281.8	338.2	316.4	235.4	181.4	174.1	179.0	179.5
Jute, raw, 1st marks.....	108.0	80.7	121.6	182.9	207.8	236.2	295.4	133.7	138.9	121.2	132.4	190.5	157.9
Hessian, 10 1/2 oz. 40" wide.....	84.7	116.0	153.0	203.8	300.7	245.6	231.6	104.8	137.3	132.8	146.2	168.4	151.0
Silk and its products.....	101.5	96.8	122.6	136.6	169.8	212.5	263.3	186.5	211.2	235.2	189.1	186.3	181.6
Silk, raw, Jap. filature, Kansai No. 1.....	101.1	90.8	134.3	152.1	175.7	237.3	256.1	162.7	197.8	230.0	164.7	172.1	167.0
Spool silk, 40 yds. letter A.....	107.8	107.8	116.5	125.7	203.6	210.5	256.9	218.0	223.6	229.0	223.1	215.6	215.6
Silk machine twist, 16 oz.....	99.5	99.5	111.4	122.8	149.7	184.5	274.2	202.1	223.6	243.8	204.4	191.4	185.4
Wool and yarns.....	111.9	147.2	192.1	287.8	375.3	313.8	202.6	113.8	127.3	169.6	181.6	202.1	173.7
Yarns, grey and black.....	100.0	115.0	170.0	250.0	360.0	320.0	293.6	191.0	122.4	150.0	150.2	180.5	186.0
Wool, Ont. unwashed (before 1922).....	120.0	169.1	207.1	313.4	392.5	309.6	140.9	61.4					
Eastern wool (domestic) bright 1/2 blood.....									131.5	189.1	216.7	242.4	185.4
Western wool (domestic) semi-bright 1/2 blood.....									130.0	180.9	192.6	200.4	156.1
Western wool, range (domestic) semi-bright 1/2 blood.....									128.4	168.6	180.6	184.5	146.9
Cloth, hosiery and underwear.....	102.5	109.7	145.6	211.9	301.9	356.7	436.9	269.3	221.1	233.3	231.8	231.3	220.4
Hosiery, men's.....	102.7	109.5	159.5	233.8	371.6	477.5	587.6	315.4	231.9	253.4	250.0	262.2	245.9
Underwear, men's.....	104.1	105.4	116.9	181.5	222.7	225.0	270.6	183.3	167.8	176.1	178.4	178.4	178.4
Beaver cloth, standard.....	100.5	114.3	150.6	204.7	261.3	280.4	343.8	276.4	256.2	256.2	254.1	231.3	218.8
Miscellaneous.....	95.9	86.6	120.1	211.6	245.1	225.9	210.7	175.3	131.5	121.8	131.0	152.9	152.7
Binder twine, sisal.....	97.4	84.2	115.8	210.5	246.1	231.6	212.6	181.6	130.5	119.8	131.5	147.7	148.7
Best Manila rope.....	90.1	96.0	137.5	215.8	241.2	203.1	203.1	150.3	135.4	129.4	129.4	173.4	168.8

**Textile and Clothing Security Prices.**—Since 1921 the Dominion Census of Industry has not collected statistics of ownership or capitalization from reporting firms. However, the Dominion Bureau of Statistics in compiling its index number of security prices has included a representative list of textile and clothing securities. From the trend of these prices over the years 1919 to 1926 some estimates of the financial condition of the industry is perhaps possible.

The firms whose common stocks compose this weighted index of Textile and Clothing Securities are Dominion Textiles, Canadian Cottons, Canadian Converters, Penmans and Montreal Cottons. The average market price in 1913 is taken as 100 and subsequent prices are expressed as percentages of prices in 1913.

To make comparison easy, the index numbers of 52 representative general securities and 31 representative industrial securities are represented for the years in question. It will be noted that in 1919, the first year for which detailed records are available, prices of the general securities and industrial securities selected as representative were respectively 100 per cent and 137.7 per cent of prices in 1913. Textile and clothing prices were 152.2 per cent of pre-war prices.



In 1926 general securities were 149.4 per cent of 1913 prices, industrials as a group were 251.3 per cent of 1913 and textile and clothing were 295.7 per cent of the base price. The movements of the securities index numbers reflect pretty carefully the prevailing conditions in the several industrial groups. It will be noted that the crisis of 1921 affected the price of industrials in general much more than it hit the textiles group in particular. On the other hand the slack times felt throughout the textile industries in 1924 are reflected in the lower prices of textile securities; industrials and general securities show no such price cutting. In 1925 and 1926, however, prices of textile securities steadily advanced.

Table 29.—Index Number of Textile and Clothing Security Prices (Weighted)

(1913=100)

## COMMON STOCKS

Number of Stocks	General	Industrial	Textile and clothing
	52	31	5
1919.....	100.0	137.7	152.2
1920.....	101.8	158.6	171.8
1921.....	88.1	124.6	157.1
1922.....	95.4	137.3	195.8
1923.....	104.3	153.2	238.9
1924.....	108.7	156.1	219.9
1925.....	123.0	193.6	261.0
1926.....	149.4	251.3	295.7

**Imports and Exports of Fibres, Textiles and Textile Products.**—In the following Table (30) are presented the values of Canadian imports and exports of fibres, textiles and textile products for the fiscal years 1918-1927. The value of imported textiles rose from \$152,311,282 in 1918 to \$243,608,342 in 1921, dropped to \$139,997,137 in 1922, climbed again to \$173,795,660 in 1924, fell some eight million dollars in 1925, reached a maximum since 1921, in 1926, and fell slightly to \$183,583,931 in 1927. In this connection it is worth noting that the Canadian fiscal year includes nine months of the past calendar year, e.g., the fiscal year 1921 comprises the last nine months of 1920 and the first three months of 1921.

Out of a total value of imported textiles of \$183,583,931 in 1927, goods, principally raw materials, to the value of \$56,473,363, were admitted duty free; on the remaining articles, valued at \$127,110,568, the duty collected amounted to \$30,236,121, an average ad valorem rate of 23.8 per cent on dutiable textile products. (Table 31.) Articles imported under the general tariff were valued at \$32,433,215, on which the duty levied amounted to \$9,704,988 or at an average ad valorem rate of 29.9 per cent. Goods imported under the Preferential rates were valued at \$65,170,065 and paid a duty of \$12,614,482 at an average ad valorem rate of 19.4 per cent. Goods imported under Treaty Rates were valued at \$29,507,288 and paid duty on entry of \$7,916,650, at an average rate of 26.8 per cent.

On comparing the total imports, dutiable imports, duty collected and average ad valorem rates effective under the general, preferential and treaty tariffs for the fiscal years 1926 and 1927 only relatively small variations can be seen. The average rate of duty for Fibres, Textiles and Textile Products changed but slightly from 23.2 per cent to 23.8 per cent; the only appreciable change being in the Artificial Silk and Silk Products group with a change in the rate from 18.8 per cent to 21.6 per cent.



Table 30.—Imports and Exports of Canada, by Main Groups, of Fibres, Textiles, and Textile Products for the Fiscal Years 1918-27

	Imports			Exports		
	United Kingdom	United States	All Countries	United Kingdom	United States	All Countries
	\$	\$	\$	\$	\$	\$
1918—Total: Fibres, textiles and textile products.....	50,780,382	84,654,385	152,311,282	2,813,439	25,289,203	30,801,815
Total cotton and its products.....	16,732,091	41,542,618	59,807,293	80,477	2,164,151	2,620,095
Total silk and its products.....	2,708,276	7,381,400	16,464,092	27	21,519	32,778
Total wool and its products.....	22,945,222	8,575,026	35,089,727	307,273	15,250,082	15,740,490
1919—Total: Fibres, textiles and textile products.....	45,968,360	100,768,458	178,190,241	1,400,667	22,192,464	28,030,381
Total cotton and its products.....	14,769,293	59,118,319	75,260,504	22,903	2,632,120	3,492,205
Total silk and its products.....	1,646,587	13,971,575	23,053,261	2,071	9,049	36,270
Total wool and its products.....	23,567,074	8,139,089	40,298,998	710,535	5,896,905	6,821,696
1920—Total: Fibres, textiles and textile products.....	74,653,042	132,292,083	231,559,877	3,851,357	12,472,456	34,028,314
Total cotton and its products.....	19,339,240	68,210,372	89,367,094	1,244,334	394,091	6,148,697
Total silk and its products.....	3,272,348	15,860,297	34,432,780	49,128	41,245	176,461
Total wool and its products.....	38,555,688	22,309,955	63,493,535	1,004,453	6,238,880	16,959,725
1921—Total: Fibres, textiles and textile products.....	111,328,091	101,758,005	243,608,342	2,643,202	7,122,882	18,783,884
Total cotton and its products.....	37,101,872	58,386,409	99,816,594	689,518	181,815	2,843,417
Total silk and its products.....	4,272,850	8,090,263	20,730,792	158,710	23,543	343,077
Total wool and its products.....	52,763,202	12,097,082	67,017,640	283,619	2,758,052	7,850,503
1922—Total: Fibres, textiles and textile products.....	50,892,567	67,610,469	139,997,137	1,020,612	1,996,634	4,585,987
Total cotton and its products.....	14,016,757	35,251,452	52,477,828	154,972	367,002	900,269
Total silk and its products.....	1,823,796	8,275,412	21,942,338	128,707	13,308	209,715
Total wool and its products.....	27,232,945	5,383,267	35,227,091	42,527	903,692	4,169,661
1923—Total: Fibres, textiles and textile products.....	69,330,824	77,283,472	170,146,958	1,077,976	4,432,767	7,850,843
Total cotton and its products.....	17,877,175	47,710,511	68,720,272	134,698	169,695	893,710
Total silk and its products.....	2,230,392	8,593,063	21,155,876	131,823	35,750	391,015
Total wool and its products.....	37,762,683	4,038,172	45,734,381			
1924—Total: Fibres, textiles and textile products.....	72,284,366	74,763,836	173,795,660	1,596,930	3,948,445	8,055,083
Total cotton and its products.....	19,208,272	44,171,688	66,428,299	131,596	142,632	839,031
Total silk and its products.....	2,910,081	7,104,797	21,841,422	264,484	7,169	653,556
Total wool and its products.....	37,745,096	4,509,316	47,318,368			
1925—Total: Fibres, textiles and textile products.....	72,126,492	64,002,595	165,440,757	2,145,762	4,894,415	9,711,720
Total cotton and its products.....	18,697,122	37,444,133	59,344,360	220,907	86,585	990,271
Total silk and its products.....	2,330,791	5,100,616	19,875,266	217,468	13,085	392,981
Total wool and its products.....	36,978,156	4,699,873	47,614,903			
1926—Total: Fibres, textiles and textile products.....	70,163,647	79,105,295	184,761,381	1,237,763	4,628,071	8,940,046
Total cotton and its products.....	16,128,690	43,500,436	62,474,874	185,559	135,431	1,291,012
Total silk and its products.....	2,506,452	8,025,223	25,541,303	94,100	20,679	247,200
Total wool and its products.....	36,304,734	3,847,595	46,036,182	27,710	2,474,817	2,555,843
1927—Total: Fibres, textiles and textile products.....	72,752,164	60,925,517	183,583,931	860,030	3,451,081	7,665,563
Total cotton and its products.....	15,133,478	35,525,792	51,149,009	143,362	59,824	631,341
Total silk and its products.....	2,446,082	8,297,660	30,077,476	4,259	6,512	81,166
Total wool and its products.....	39,140,301	3,389,549	50,575,753	409,982	1,469,083	1,822,168

**Table 31.—All Textiles: Total Imports, Dutiable Imports, Duty Collected and Average Ad Valorem Rates Effective under the General, Preferential and Treaty Tariffs, in the Fiscal Year ended March 31, 1926 and 1927**

1926

	All imports				Imports under		
	Total imports	Dutiable imports	Duty collected	Average rate of duty	General Tariff		
					Imports under general tariff	Duty collected	Average rate of duty
	\$	\$	\$	p. c.	\$	\$	p. c.
Fibres, textiles and textile products.....	184,761,831	117,444,241	27,195,691	23.2	30,485,179	9,060,696	29.7
Cotton and cotton products.....	62,474,874	29,977,997	7,133,737	23.8	12,610,162	3,762,628	29.8
Hemp, flax and jute products.....	16,887,193	12,136,978	1,406,598	11.6	1,818,174	272,419	14.9
Silk and its products.....	25,541,363	21,837,981	6,125,624	28.1	5,596,952	1,834,128	32.7
Wool and its products.....	46,036,182	36,081,230	8,436,185	23.4	2,990,934	1,019,798	34.1
Artificial silk and its products.....	5,159,247	5,159,247	970,939	18.8	865,867	229,009	26.4

1927

Fibres, textiles and textile products.....	183,583,931	127,110,568	30,236,121	23.8	32,433,215	9,704,988	29.9
Cotton and cotton products.....	54,149,000	30,405,205	7,403,993	24.3	13,342,460	4,008,517	30.0
Hemp, flax and jute products.....	14,255,758	11,360,439	1,437,635	12.7	1,999,369	306,234	15.3
Silk and its products.....	30,077,476	25,778,041	7,206,181	28.0	5,877,469	1,917,556	32.6
Wool and its products.....	50,575,753	40,005,896	9,464,376	23.7	3,273,112	1,116,635	34.1
Artificial silk and its products.....	6,301,986	6,301,986	1,358,465	21.6	1,447,506	399,048	27.6

1926

	Imports under					
	Preferential Tariff			Treaty Tariffs		
	Imports under preferential tariff	Duty collected	Average rate of duty	Imports under treaty rates	Duty collected	Average rate of duty
	\$	\$	p. c.	\$	\$	p. c.
Fibres, textiles and textile products.....	64,021,180	12,005,439	18.8	22,937,882	6,129,555	26.7
Cotton and cotton products.....	15,030,333	2,793,102	18.6	2,337,502	578,005	24.7
Hemp, flax and jute products.....	10,146,686	1,091,756	10.7	172,118	42,422	24.4
Silk and its products.....	1,926,155	346,156	17.9	14,815,274	3,945,338	27.5
Wool and its products.....	29,697,504	6,534,469	22.0	3,392,792	887,917	25.9
Artificial silk and its products.....	2,853,856	406,336	14.2	1,439,524	335,593	23.3

1927

Fibres, textiles and textile products.....	65,170,065	12,614,482	19.4	29,507,288	7,916,650	26.8
Cotton and cotton products.....	14,184,916	2,671,549	18.8	2,877,829	723,927	25.2
Hemp, flax and jute products.....	9,116,630	1,070,890	11.7	244,440	60,510	24.8
Silk and its products.....	1,981,125	364,485	18.4	17,919,447	4,924,141	27.5
Wool and its products.....	31,930,343	7,069,989	22.1	4,802,441	1,277,751	26.6
Artificial silk and its products.....	2,663,011	417,890	15.7	2,191,469	541,527	24.7

**Individual Products.**—An alphabetical list of the products made in all the industries classified under Textiles and Textile Products in Canada in 1925 and 1926, together with the quantity of each product and its value as at the factory, is supplied in Table 32.

**Table 32.—Alphabetical List of Products Made in all the Industries Classified under Textiles and Textile Products in Canada, 1925 and 1926**

Item	Unit of measure	1925			1926		
		Quantity	Value of Quantity	Total value	Quantity	Value of Quantity	Total value
			\$	\$		\$	\$
Absorbent cotton, batting and wadding.....	Lb.	2,757,464	648,458	648,458	1,942,485	598,717	598,717
Aero cord (see Rope, all other).....							
Aprons.....	Doz.	9,333	57,364	71,110	10,951	69,197	88,050
Armbands and sleeve supporters.....	"	85,238	94,412	94,412	54,395	116,519	116,519
Artificial flowers and feathers.....				61,605			66,178
Art needlework, pillow cases and bedspreads.....				56,473			70,013
Asbestos pads and doily mats.....	Pieces	3,874	19,446	19,446	3,052	17,853	17,853
Astrakhan and similar fabrics (see Woolen fabrics).....							
Automobile accessories.....				2,649			2,001
Automobile batts.....	Lb.	1,731,005	181,850	181,850	2,310,126	207,031	207,031
Automobile cloth.....	Yd.			597,706	180,619	203,621	203,621
Awning.....				497,323			443,381
Badges (see ornaments).....							
Badges, metal.....				58,778			46,220
Bags.....				14,845,248			13,938,673
Cotton.....	No.	46,451,348	5,296,692				
Jute.....	"	48,052,179	7,920,597		49,879,211	5,113,712	
Jute and cotton.....	"	9,073,339	1,259,686		56,431,540	8,546,880	
Paper.....	"	39,848,046	92,800				
All kinds.....			275,383			278,081	
Baskets (canvas).....			2,192				2,708
Butling suits.....	Doz.	40,286	643,934	643,934	34,665	492,635	492,635
Butts, flocks and rolls.....	Lb.	541,438	24,444	24,444	816,370	41,669	41,669
Bed sets.....	No.	1,580	5,355	5,355	1,120	4,603	4,603
Bedspreads.....	Doz.	217	9,921	9,921	1,280	7,700	7,700
Bedspread material.....	Yd.	11,242	28,103	28,103			
Beltting, cotton.....	Lb.	23,137	13,882	46,882	254,346	91,881	138,794
Belts, men's.....	Doz.	23,079	133,937	138,787	20,406	163,906	163,906
Belts, women's.....	Doz.	7,000	24,515	24,965	2,286	8,132	15,132
Binder twine.....				5,805,011			7,611,098
All manila.....	Lb.	704,652	110,794		1,630,550	307,500	
Chiefly manila.....	Lb.	7,147,657	981,941		10,459,807	1,429,068	
All sisal.....	Lb.	1,418,916	161,584		7,937,070	902,264	
Chiefly sisal.....	Lb.	18,790,425	2,147,592		38,403,656	4,972,266	
All other.....	Lb.	20,163,132	2,403,100				
Blanket cloth (see Woolen fabrics).....							
Blankets.....				1,940,034			2,189,669
Blankets.....	Lb.	378,840	173,809				
Blankets.....	Pair	398,960	1,047,531		449,966	923,600	
Blankets.....	Yd.	137,339	107,976				
Blankets.....			610,718			1,266,069	
Blankets, horse and saddle, surcingles, etc.....				81,203			101,089
Bloomers and knickers.....	Doz.	19,075	99,737	166,446	11,726	57,126	94,915
Blouses and middies.....	Doz.	2,873	2,873	1,061,679			747,987
Boudoir caps.....	Doz.	2,837	23,686	23,686	2,117	7,038	7,038
Braids.....	Doz.			412,235			516,264
Brake linings.....							4,823
Brocades and vesting (corset).....	Yd.			49,567		57,840	57,840
Buckles, rhinestone.....	Doz.			200		800	800
Buckrams and paddings.....	Yd.	146,430	20,267	20,267	194,439	31,043	31,043
Buttons.....	Gr.			16,974	320	1,216	29,917
Camp furniture.....				7,867			11,122
Canvas and canvas specialties.....	Doz.						88,013
Canvas covers.....				219,062			358,161
Canvas fronts.....	Pair	249,947	128,491	128,491	306,428	174,598	174,598
Caps.....				2,148,719			2,601,576
Advertising.....		126,297	7,921				
Cloth.....	Doz.	179,486	2,015,353		226,256	2,453,401	
Fur.....			33,227				
Uniform.....	Doz.	3,476	92,218		25,261	111,927	
Other.....						36,248	
Carpets.....				1,583,150			1,836,041
Axminster, Moquette and Wilton.....	Lin. Yd.	62,746	378,350		431,459	1,474,823	
Tapestry and Brussels.....	Sq. Yd.	295,662	897,902				
Ingrain, three ply.....	Lin. Yd.	103,741	226,356		249,600	304,263	
Jute and webbing.....	Sq. Yd.	20,785	30,654				
Rug.....	Lb.	26,913	17,207		19,797	11,805	
		500	32,000	600	150	45,000	



**Table 32.—Alphabetical List of Products Made in all the Industries Classified under Textiles and Textile Products in Canada, 1925 and 1926—Continued**

Item	Unit of measure	1925			1926		
		Quantity	Value of Quantity	Total value	Quantity	Value of Quantity	Total value
			\$	\$		\$	\$
Cashmeres, chevots, tweeds, etc. (see Woollen cloth).							
Centre pieces, scarfs, doilies, vanity sets, etc.				97,630			87,432
Cheese cloth	Yd.	1,523,085	114,451	114,451	1,439,639	101,615	112,115
Children's wear—							
Coats	Doz.	2,284	14,254	185,486	2,203	123,363	183,801
Dresses	Doz.	10,005	103,606	432,698	5,862	96,512	483,281
Waists and sleepers, cotton	Doz.	13,382	72,101	72,101	14,995	70,240	70,240
Wash suits		97,373	817,244	908,304	86,002	775,723	833,754
Clothing, men's, not specified				1,113,293			2,065,041
Clothing, women's not specified				684,520			98,319
Coats and cloaks				22,816,855			26,658,021
Boys' overcoats and reefers				970,805			987,014
Men's overcoats and topcoats				8,019,511			9,053,433
Women's coats and cloaks				13,717,497			16,455,571
Leather coats				34,885			57,341
Washable coats	Doz.	6,765	74,150		9,577	104,627	
Coatings, etc. (see Woollen cloth).							
Coat pads	M.Prs.	1,229,545	43,084	43,084	1,722,275	51,860	51,860
Collars	Doz.	623,161	1,459,837	1,459,837	614,455	1,443,865	1,443,865
Comforters	Doz.	13,698	313,880	313,880	14,095	324,272	429,698
Comforter goods				79,372			
Corsets	Doz.	139,614	2,661,961	3,079,356	107,572	2,058,961	2,486,515
Corselettes, corselettes and corselets	Doz.	44,362	554,510	554,510	61,945	943,858	943,858
Corset covers, brassieres, bandeaux, etc.	Doz.	104,506	735,725	745,877	113,483	678,270	678,270
Cotton fabrics				49,389,451			53,984,259
Unbleached or grey	Yd.	132,125,034	21,227,785		106,996,234	15,985,169	
Bleached or white	Yd.	38,440,756	7,377,032		39,453,254	7,425,072	
Denims	Yd.	10,291,125	2,632,323		10,432,226	2,681,188	
Ducks and drills	Yd.	5,932,577	2,503,625		15,613,499	3,981,935	
Flannelled	Yd.	9,908,994	1,631,883		10,604,125	2,290,807	
Ginghams	Yd.	10,132,983	1,818,421		9,473,633	1,766,515	
Prints	Yd.	27,336,614	5,027,767		31,728,906	6,189,816	
Shirtings	Yd.	4,857,314	885,855		4,772,429	856,994	
Tapestries	Yd.	673,966	550,701		415,874	302,590	
Tire fabrics	Yd.	9,252,515	5,440,293		9,265,403	5,078,239	
All other			293,761			8,025,009	
Couch and table covers	No.	20,705	21,816	21,816	17,129	17,129	17,129
Cuffs	Doz.	413	2,104	2,104	504	2,700	2,700
Cur cloth (see Woollen cloth).							
Curtains	Pair	123,807	183,694	183,694	173,002	233,668	233,668
Curtains (lace)				123,900			284,918
Curtain goods and draperies	Yd.	337,924	61,430	106,942	290,893	138,010	141,732
Curtain poles and metal goods				60,391			
Cushions				36,522			54,271
Cushion forms	Doz.	6,200	33,311	33,311	5,000	25,000	25,000
Cushion tops and runners	Doz.	3,000	15,000	15,000	4,375	35,000	35,000
Denim (see Cotton fabrics).							
Dresses				15,750,644			17,669,427
Dress goods (see woollen cloth).							
Dressing gowns and bathrobes (men's)	Doz.	2,900	120,507	130,493	3,463	127,072	127,072
Dressing gowns, negligees, kimonoas, etc. (women's)	Doz.	10,771	96,526	216,103	6,102	103,631	546,229
Ducks and drills (see cotton fabrics).							
Eiderdown	Yd.	27,320	35,516	37,873	21,918	26,302	26,502
Elastic products	No.	5,400	10,243	80,212	5,050	10,100	91,298
Embroideries	Yd.	71,110	52,787	137,561	92,020	72,507	178,275
Felt, saturated	Ton	742	52,311	52,311	1,788	125,077	125,077
Felt, for trimmings and linings	Sq. Yd.	828,708	154,697	154,697	136,975	40,510	40,510
Felt cloth (see woollen cloth).							
Felts, for pulp and paper making (wool and cotton)	Sq. Yd.	1,212,391	2,073,327	2,349,950	2,134,880	2,752,697	2,993,064
Felt goods, all other	Lb.	448,943	154,128	154,617			381,061
Filter cloth				2,315			2,315
Flags and hunting				41,109			50,288
Flannels (see woollen cloth).							
Flannellette (see cotton fabrics).							
Floor covering				4,977,149			5,621,668
Felt base	Sq. Yd.	452,000	127,000				
Fate	Sq. Yd.	8,053,187	4,032,326		8,876,663	4,537,398	
Art rugs	Sq. Yd.	1,284,076	817,823		1,791,169	1,034,986	
Linoeum rugs (printed only)	Sq. Yd.				195,541	32,274	
Fringes, cords and tassels				442,691			198,516



Table 32.—Alphabetical List of Products made in all the Industries Classified under Textiles and Textile Products in Canada, 1925 and 1926—Continued

Item	Unit of measure	1925			1926		
		Quantity	Value of	Total	Quantity	Value of	Total
			Quantity	value		Quantity	value
			\$	\$		\$	\$
Gaiters and leggings.....	Doz. Pcs.	20,324	252,023	252,023	19,818	149,316	149,316
Garters (see supporters, suspenders, etc.).							
Ginghams (see Cotton fabrics).							
Gloves and mittens.....				1,803,265			1,938,831
Dress gloves, mittens and							
gumtlets.....	Doz. Pcs.	133,421	901,602		108,574	1,059,330	
Working gloves, mittens and							
gumtlets.....	Doz. Pcs.	154,730	219,817		128,997	163,069	
All other gloves and mittens.	Doz. Pcs.		651,810			716,432	
Glove and shoe linings.....	Yd.	53,335	34,668	47,303	42,726	21,829	34,174
Gumpes (dickies).....	Doz.	206	6,594	6,594	126	691	991
Handmasks.....	Doz.	1,521	47,283	48,736	1,770	49,100	49,988
Handkerchiefs.....	Doz.	323,518	321,777	580,183	309,709	288,052	575,721
Hats.....				5,106,160			6,385,272
Fur felt, men's.....	Doz.	54,576	1,022,071		40,987	1,444,700	
Fur felt, men's.....			53,996				
Fur felt, women's.....	Doz.	9,826	237,467		34,622	1,006,278	
Fur felt, women's.....			400				
Silk, men's.....	Doz.	105	8,085		100	8,400	
Velour, men's.....	Doz.	3,936	118,089		17,439	512,908	
Velour, men's.....			1,651				
Velour, women's.....	Doz.	3,416	122,059		9,531	281,869	
Velour, women's.....			13,450				
Wool, men's.....	Doz.	4,772	67,740		10,194	182,453	
Wool, women's.....	Doz.	6,256	154,291		18,264	384,269	
Wool, women's.....			549,959				
All other women's and children's hats.....			2,156,907		96,905	2,564,326	
Hats and shapes, buckram.....	Doz.	102,137	341,895	421,395	164,347	347,641	317,642
Hats and shapes, straw, men's.....	Doz.	29,533	447,328	454,658	36,977	611,000	611,000
Hats and shapes, straw, women's.....	Doz.	120,232	1,694,333	1,698,333	87,582	1,850,298	1,880,268
Hats and shapes, straw, all other.....				501,854	48,800	320,451	320,451
Hats and shapes, velvet.....	Doz.	60,611	1,013,143	1,112,800	50,201	1,015,818	1,015,818
Hat linings and hat bands.....	Doz.		213,943	135,659	138,892	221,125	
Hosiery.....	Yd.	1,410,931	168,146	168,146	1,732,599	200,786	200,789
Cotton.....				16,155,712			18,528,075
Mercurized.....	Doz.	780,468	1,965,819		825,538	2,095,501	
Silk and silk mixed including artificial silk.....	Doz.	114,250	319,516		127,456	363,369	
Woolen and worsted.....	Doz.	1,000,971	6,940,451		1,210,232	8,262,104	
All other.....	Doz.	1,358,040	6,087,152		1,571,886	6,743,946	
Infants wear.....	Doz.	244,694	842,775		164,812	1,063,152	
Jersey cloth, stockinette and tricolette.....	Yd.	829,591	805,709	881,837	1,440,010	1,184,006	1,187,689
Jute and jute pudding.....	Yd.	149,829	16,348	16,348	185,070	19,410	19,410
Knife and spoon cases, etc.....	Doz.	300	1,800	1,800	250	1,500	1,500
Knit goods, miscellaneous (including hoods, scarfs, suits, toques, etc.).....							
Labels, woven.....	No.	27,580,737	120,218	1,187,727	19,404,000	165,886	1,088,918
Labels (all kinds), and initials.....	Yd.	173,065	22,597	90,510	273,424	28,695	57,265
Laces and embroideries.....	Yd.	7,200	20,540	20,959	7,750	19,148	19,148
Laundry nets.....	Doz.	322	2,798	3,936	3,978	6,238	7,232
Life buoys and jackets.....				42,240			6,789
Linens.....	Sq. Yd.	402,230	238,900	238,900	721,800	268,786	268,786
Linen fire hose.....	Ft.	600,695	102,124	102,124	750,706	125,021	125,021
Linen novelties.....	Doz.	55,220	102,817	162,617	78,000	184,700	184,700
Mackinaw cloth.....	Yd.	70,000	84,900	985,051	706,144	850,517	850,517
Mackinaws, boys.....				22,572			24,501
Mackinaws, windbreakers leather-lined clothing, etc., men's and boys.....	Doz.			578,551			792,578
Mats and matting, all other.....				96,489			114,187
Mattresses.....	No.	1,012	18,430	23,119	2,200	19,866	24,018
Millinery wire.....	Yd.	55,715	19,500	19,500	41,785	15,037	15,037
Mops, cotton.....	Gross	1,050	43,300	43,300	1,200	47,994	47,994
Neckwear, men's.....	Doz.	394,248	2,475,252	2,475,252	510,155	3,050,586	3,169,586
Neckwear, women's.....	Doz.	74,071	406,639	650,745	47,454	324,648	498,032
Night dresses.....	Doz.	50,603	424,598	418,216	60,358	556,041	559,603
Oil cloths (cotton).....	Lin. Yd.	3,077,963	973,671	973,671	3,501,571	997,883	997,883
Oil clothing.....	Doz.	3,717	85,059	132,965	1,903	37,158	99,129
Ornaments, crests, emblems, and badges.....				13,963			23,083
Overalls.....	Doz.	226,518	4,013,793	4,429,268	290,859	5,170,321	5,170,321
Pants and trousers.....				4,757,280			4,992,689
Pants, duck, drill and linen.....	Doz.	56,970	1,123,984	1,123,984	64,038	1,129,197	1,129,197

Table 32.—Alphabetical List of Products Made in all the Industries Classified under Textiles and Textile Products in Canada, 1925 and 1926—Continued

Item	Unit of measure	1925			1926		
		Quantity	Value of Quantity	Total value	Quantity	Value of Quantity	Total value
			\$	\$		\$	\$
Pants and bloomers, cotton, for boys.....	Doz.	16,006	120,429	120,429	20,639	247,075	247,075
Pillows.....	Pair	10,000	50,000	50,000	10,000	50,000	50,000
Pillow cases.....	Doz. Pair	3,300	16,300	16,300	6,250	24,400	24,400
Pipe cleaners (tobacco).....				46,358			53,287
Press cloths.....				18,402	397	2,168	17,168
Prints (see Cotton fabrics).....							
Pyjamas.....	Doz.	51,270	725,345	776,060	75,359	957,000	972,530
Quilted goods.....				87,262			388,790
Regalia.....							4,000
Ribbons.....	Yd.	1,140,000	34,100	443,162			374,550
Ribbon novelties.....				15,300			17,763
Robes and rugs.....	No.	7,428	75,680	103,394	5,200	48,000	470,706
Rope.....				2,255,841			2,354,860
Cotton.....	Lb.				68,425	32,772	
Hemp.....	Lb.	5,519	2,176				
Jute.....	Lb.	60,978	8,582		20,000	5,011	
Manilla.....	Lb.	7,293,385	1,514,762		6,922,917	1,447,691	
Sisal.....	Lb.	4,155,251	586,035		4,588,351	711,862	
All other.....	Lb.	465,801	93,127		508,115	86,091	
All other.....	Ft.		51,159		3,655,746	71,433	
Rubber goods, miscellaneous.....				267,169			103,391
Rugs.....				1,756,119			1,876,328
Axminster, Wilton, Smyrna, Brussels, etc.....	Lin. Yd.	644,753	1,528,674		738,267	1,649,240	
Rag and custom made.....			95,501			67,476	
All other.....			131,941			159,612	
Sails, all kinds.....				84,400			80,747
Scarves and mufflers.....	Doz.	28,333	526,247	526,247	42,218	659,424	659,424
Shawls.....				42,448			32,849
Sheep skins, pickled.....	Doz.	22,087	183,397	183,397	22,575	193,750	193,750
Shirts—							
Fine.....	Doz.	298,043	5,364,721	5,364,721	353,437	5,944,626	5,962,396
Work.....	Doz.	315,076	3,559,304	3,607,30	362,226	4,233,389	4,303,389
Boys'.....	Doz.	18,976	157,225	157,675	56,976	383,146	383,446
Shirting (see Cotton fabrics).....							
Shoddy, mungo and wool extract.....	Lb.	4,888,610	684,731	684,731	3,970,658	581,646	581,646
Shoe laces.....	Gross	348,243	420,107	420,107	222,711	317,953	487,579
Shoe trimmings and fittings.....				146,833			161,718
Shoefelt.....	Yd.	25,430	76,291	76,291	279,178	239,892	251,237
Shoe linings.....	Sq. Yd.	442,133	108,362	108,362			
Shoe linings and felts.....	Lb.	194,679	179,007	203,007	107,489	90,652	90,652
Signs.....				13,894			12,929
Silk (broad) and silk piece goods.....	Yd.	791,815	1,466,083	1,466,083	1,205,930	1,960,816	1,960,816
Silk and rayon products, miscellaneous.....	Yd.	66,887	67,887	264,271	73,089	233,689	233,689
Silk (artificial) knit goods.....	Yd.	308,803	311,304	476,304	612,851	549,096	553,392
Silk yarn.....	Yd.	61,420	552,043	552,043	88,948	663,082	663,082
Silk (artificial) yarn.....	Yd.	501,818	657,104	657,104	1,970,017	2,451,235	2,451,235
Skirts.....				561,333			371,237
Sleeve protectors.....	Doz.				300	1,200	1,200
Slippers, boudoir.....	Pair	113,800	73,203	73,203			2,431
Slippers, sheepskin.....	Doz.	247	5,487	5,487	110	2,431	2,431
Smocks.....	Doz.	34,258	628,461	628,461	102,882	717,270	717,270
Sport garments, men's.....				38,649			147,603
Sport garments, women's.....	Doz.	8,751	263,907	265,044	5,247	272,922	274,143
Stair pads.....	Gross	164	2,848	2,848	158	2,065	2,065
Suits and pants, boys'.....				3,028,350			3,001,201
Suits and overcoats, men's.....				21,536,428			22,798,768
Suits and coats, women's.....				2,368,700			970,786
Supporters, suspenders and garters.....	Doz.	385,439	1,297,700	1,314,123	375,483	1,279,731	1,279,731
Surgical appliances including sweat pads.....	No.	52,920	281,237	282,224	64,614	329,581	329,929
Surgical dressings.....	Yd.	2,693,100	114,785	162,353	2,713,400	98,099	147,874
Sweaters and jerseys.....	Doz.	355,912	7,951,511	8,048,381	393,051	8,880,814	8,913,542
Tapes and bindings.....	Gr. Yd.			701,684	201,461	801,057	870,088
Tapestries (see Cotton fabrics).....							
Tarpaulins (see Canvas cover).....							
Tents.....				304,269			441,838
Tents, awnings and canvas goods.....				162,937			305,880
Thread.....				5,010,508			5,737,768
Cotton thread.....	Doz.	5,273,905	3,040,024		5,801,416	3,232,303	
Crochet cotton.....	Doz.	337,872	493,007		345,000	897,205	
Sewing cotton.....	Lb.	218,572	372,266		235,637	389,935	
Silk and artificial silk thread.....	Lb.	20,652	139,607		36,086	191,629	
Silk and artificial silk thread.....	Box	1,351,652	965,604		1,015,864	1,026,606	

Table 32.—Alphabetical List of Products Made in all the Industries Classified under Textiles and Textile Products in Canada, 1925 and 1926—Continued

Item	Unit of measure	1925			1926		
		Quantity	Value of Quantity	Total value	Quantity	Value of Quantity	Total value
			\$	\$		\$	\$
Tin-el threads.....	Pk.				800	4,000	4,000
Toilet and chemical products.....				315,500			477,452
Towels, all kinds.....	Doz.	547,761	634,063	634,063	1,578,755	1,199,569	1,199,569
Towelling.....	Yd.	472,167	100,840	100,840	1,020,704	164,011	164,011
Trimnings, n.e.s.....				344,315			432,970
Tubing.....	Lb.	2,108	2,231	10,470	1,531	2,221	2,221
Twines.....				1,749,209			1,541,318
All cotton.....	Lb.	85,000	60,000		12,668	6,262	
All flax.....	Lb.	5,065	1,972		9,676	5,719	
All hemp.....	Lb.	388,645	120,089		398,437	116,220	
All jute.....	Lb.	2,733,592	389,851		2,410,487	426,925	
Flax or hemp mixed with jute	Lb.	265,168	28,203				
Tuft twines.....	Lb.	15,414	10,019		21,412	10,760	
Twine and cordage.....	Lb.	1,427,534	1,139,075		1,967,628	975,432	
Twist, artificial twist and floss.....				14,300			2,500
Umbrellas.....	Doz.	9,200	137,432	137,432	10,600	170,823	170,823
Underwear.....				19,223,813			21,852,407
All cotton combination.....	Doz.	322,621	3,326,889		371,918	3,686,283	
All cotton separate.....	Doz.	1,169,480	5,118,854		1,398,562	5,613,543	
Merino and mixed, combination.....	Doz.	76,566	1,410,997		94,913	1,874,381	
Merino and mixed, separate.....	Doz.	207,971	2,070,523		231,181	2,350,428	
Silk and silk mixed, combination.....	Doz.	26,660	376,188		20,156	203,220	
Silk and silk mixed, separate.....	Doz.	71,188	970,514		193,469	2,161,677	
All wool, combination.....	Doz.	36,460	930,818		35,837	879,964	
All wool, separate.....	Doz.	140,867	2,045,041		239,601	2,352,333	
Not specified, men's.....			421,508			234,983	
Not specified, women's.....			2,552,481			2,495,586	
Uniforms.....				291,473			85,095
Firemen's duty coats.....			12,553			13,214	
Hospital and nurses' uniforms.....			104,400			33,554	
Military uniforms.....			174,520			38,927	
Velours and plushes (see Woollen cloth).....							
Vests, fancy.....	Doz.	967	3,352		15	555	555
Vests, all kinds.....			51,643	51,643			26,742
Visors.....	Doz.				1,224	1,382	1,382
Waste.....				3,205,066			3,227,800
Cotton waste.....	Lb.	11,202,493	800,043		12,808,613	883,748	
Cotton, wool and shoddy.....	Lb.	11,053,012	1,536,557		10,204,138	1,380,110	
Wool waste and noils.....	Lb.	837,520	100,030		928,631	215,046	
Wool waste and noils.....			6,006			42,078	
Waste shoddy and rags.....	Lb.	11,732,220	650,000			620,000	
Waste, not specified.....	Lb.		22,430			86,818	
Waterproof and raincoats.....	No.	13,009	127,881	495,162	12,483	115,922	423,991
Waterproof clothing.....	Doz.	8,071	216,097	228,830	10,904	344,950	346,169
Waterproof duck.....	Yd.	38,400	27,179	27,179			19,500
Weatherstrip.....	Boxes	49,600	21,360	21,360	109,084	60,287	54,887
Webbing.....				632,957			654,338
Automobile webbing.....	Lb.	21,773	13,064			24,027	
Elastic and non-elastic webbing.....							
Jute webbing, etc.....	Yd.	511,012	619,306		536,356	626,666	
Window shades and blinds.....	Yd.		587			3,645	
Window shades, shade cloth rollers, etc.....	Doz.	9,342	225,104	602,044	8,540	122,414	663,646
Wiping cloths and rags.....	Lb.	1,316,000	211,896	320,396	1,873,435	321,417	321,417
Wool pulled.....	Lb.	904,880	457,937	457,937	692,043	252,998	252,998
Wool, scoured and waste.....	Lb.	29,677	5,418	5,418	17,651	5,761	5,761
Wool, greasy, raw and carded.....	Lb.			1,714			9,965
Wools for knitting.....	Box	27,245	120,286	120,286	29,587	57,415	57,415
Woollen cloth.....				10,321,066			10,407,117
Astrakhan and similar fabrics	Lb.	26,196	23,402			31,647	
Blanket cloth.....			27,264			23,394	
Cashmeres, chevots, tweeds, etc.....			1,569,550			2,567,754	
Coatings, overcoatings and jerseys.....			4,997,184			6,117,830	
Curl cloths.....	Yd.	4,034	6,656			7,217	
Dress goods, sackings, ladies cloth, etc.....			1,639,677			663,396	
Felt cloth.....	Sq. Yd.	33,828	96,150				
Flannels, for underwear.....	Yd.		819,385		362,076	123,142	
Velours and plushes.....			1,141,818			872,737	
Work clothing, denim.....				229,462			234,736
Work clothing, other than denim.....				683,099			819,497
Wristsings.....	Lb.	16,500	9,500	9,500	17,000	10,000	10,000



**Table 32.—Alphabetical List of Products Made in all the Industries Classified under Textiles and Textile Products in Canada, 1925 and 1926—Concluded**

Item	Unit of measure	1925			1926		
		Quantity	Value of Quantity	Total value	Quantity	Value of Quantity	Total value
			\$	\$		\$	\$
Yarns, cotton.....				11,148,912			11,492,627
Unbleached or grey.....	Lb.	19,692,804	9,788,368		22,220,508	10,196,223	
Bleached and dyed.....	Lb.	1,907,560	1,070,043		2,137,926	974,938	
Cotton and merino yarns.....	Lb.	346,977	165,340		403,427	151,286	
Cotton and hemp, all other.....	Lb.	372,167	125,161		673,331	170,180	
Yarns, woollen.....				9,620,935			9,330,222
Woollen yarn.....	Lb.	4,343,188	2,409,051		4,160,367	2,156,222	
Woollen and worsted yarns.....	Lb.	1,096,924	1,543,648		1,604,292	1,806,357	
Worsted yarns.....	Lb.	4,372,717	4,641,696		4,840,238	5,027,643	
Worsted tops.....	Lb.	1,623,500	1,025,940		1,070,168	340,000	
Services.....				16,220,986			18,383,038
Button covering, pleating and hemstitching.....			478,999			601,674	
Carpet cleaning, etc.....			1,540,071			1,959,074	
Dyeing and cleaning of garments.....			1,808,098			2,080,074	
Dyeing and finishing of textile goods.....			1,845,833			2,122,540	
Dyeing and bleaching.....			110,065			130,342	
Laundry work.....			10,308,013			11,341,479	
Shrinking.....			80,371			100,602	
Hits cleaned and reblocked.....			49,536			46,653	
Amount received for custom work—all industries.....				1,850,440			2,486,328
All other products, not specified—All industries.....				4,447,840			1,153,590
<b>Total.....</b>				<b>336,853,611</b>			<b>366,158,317</b>



## CHAPTER II

### THE COTTON TEXTILES GROUP OF INDUSTRIES

**Introductory.**—The Cotton Textiles group includes the cotton yarn, and cloth, cotton thread, cotton and wool waste, batting and wadding, and miscellaneous textile industries. In all there were 81 establishments reporting under the cotton textiles classification of the census in 1926; these 81 firms represented in that year a capital investment of \$95,000,668 or 30 per cent of the total capital invested in the textile industry in Canada. They gave employment to 22,336 persons or a little over a sixth of all those engaged in the combined textile industries, and their products had a selling value of \$89,822,558 out of a total selling value for the textiles group of \$366,334,644 in that year.

The principal statistics for the cotton textile industries for the years since the commencement of the annual census show a steady, if not spectacular expansion in every year but those of general industrial depression, viz., 1921 and 1924. Since 1917, the number of firms in this group has increased from 51 to 81, their capital employed has risen from \$47,773,030 to \$95,000,668, practically doubling in the ten years under review. This net increase in invested capital is remarkable in view of the sharp decline from \$89,407,667 in 1920 to \$79,771,988 in 1921. The industry took two years to recover from this reverse, but in 1923 the capital used exceeded the previous maximum reached in 1920. Successive years since 1922 have recorded steady increases in this item of capital employed, despite a decrease in fixed capital reported by the cotton yarn and cloth industry in 1925.

Total employment rose from 16,962 in 1917 to 19,461 in 1920, fell to 16,950 in 1921, reached a new maximum of 20,660 in 1922 and in 1926 set a new high level of 22,336 employees, of whom 859 were salaried and 21,477 on wages. Salaried employees in 1926 were more numerous by 284 than they were in 1917 but fewer by 76 than in 1923. Wage earners in 1926 numbered 5,090 more than in 1917; an increase of 31 per cent in the ten year period.

Gross value of manufacture reached a figure of \$107,290,418 in 1920, the year of peak prices, that it has never since equalled. When allowance is made for changes in the general level of prices the false peak is flattened out and the "real" selling value of product in terms of commodities is seen to have increased fairly steadily since the close of the war.

Value added by manufacture fell from \$42,125,369 in 1922 to \$30,843,500 in 1924; from this figure it recovered slightly in 1925 when the total net value of manufacture stood at \$32,476,569. In 1926 a marked increase is shown, having risen to \$37,099,577, or an increase of \$4,623,008 over the previous year. Summary statistics of the cotton textiles industries are given for the years 1917 to 1926 in Table 33.

Table 33.—Summary Statistics: Cotton Textiles 1917-26

Items	Number of establishments	Capital	Salaried employees	Total salaries	Wage-earners	Total wages	Cost of fuel	Power installed	Cost of materials used	Selling value of product	Value added by manufacture
		\$		\$		\$	\$	h.p.	\$	\$	\$
1917—											
Cotton yarn and cloth.....	27	42,857,434	331	606,954	15,367	7,033,135	807,015	51,829	21,768,927	43,359,814	21,590,887
Cotton thread.....	3	2,097,095	47	51,958	443	169,489	11,296	1,182	988,487	2,619,456	1,630,969
Cotton, other than above.....	21	2,818,501	197	311,863	577	284,487	32,896	813	1,523,669	2,784,151	1,260,482
Total.....	51	47,773,030	575	970,775	16,387	7,489,111	851,207	53,824	24,281,083	48,763,421	24,482,338
1918—											
Cotton yarn and cloth.....	26	53,796,394	386	821,281	15,618	8,406,062	1,007,404	64,205	34,289,862	66,399,228	32,109,366
Cotton thread.....	4	3,313,267	76	91,134	546	271,698	18,649	1,238	1,718,064	3,097,877	1,289,813
Cotton textiles, other than above.....	25	3,787,745	163	245,459	633	383,223	47,307	1,545	2,535,576	4,687,184	2,121,608
Total.....	55	60,897,406	625	1,157,874	16,797	9,069,983	1,073,360	66,988	38,543,502	74,064,289	35,520,787
1919—											
Cotton yarn and cloth.....	27	58,732,941	365	858,518	15,759	10,112,573	1,058,960	73,343	43,816,517	82,642,949	38,826,432
Cotton thread.....	4	5,669,430	75	122,930	566	303,467	17,626	1,223	2,125,456	3,538,076	1,412,620
Cottons, other than above.....	29	4,188,363	285	395,645	660	451,084	26,595	1,213	5,092,529	7,212,893	2,120,364
Total.....	60	68,530,734	725	1,377,099	16,985	10,867,124	1,103,181	75,979	51,034,502	93,393,918	42,359,416
1920—											
Cotton yarn and cloth.....	31	76,413,703	430	1,035,420	17,194	12,825,293	1,276,117	78,742	53,402,723	92,490,002	39,087,279
Cotton thread.....	4	7,379,088	68	128,219	663	467,689	8,305	1,337	3,117,237	5,459,851	2,342,614
Cottons, other than above.....	28	5,614,876	283	572,868	793	683,712	67,752	1,445	6,618,127	9,340,565	2,722,438
Total.....	63	89,407,667	781	1,736,507	18,680	13,976,694	1,352,174	81,524	63,138,087	107,290,419	44,152,331
1921—											
Cotton yarn and cloth.....	31	71,299,400	489	1,172,899	15,158	11,128,006	1,526,983	71,765	38,124,059	71,632,596	33,508,537
Cotton thread.....	4	3,292,363	64	139,457	420	269,707	15,110	1,679	2,024,110	3,363,696	1,339,586
Cottons, other than above.....	30	5,180,225	256	551,640	563	470,300	49,723	1,366	3,867,665	6,257,793	2,390,128
Total.....	65	79,771,988	809	1,863,996	16,141	11,866,013	1,591,821	74,810	44,015,834	81,254,085	37,238,251
1922—											
Cotton yarn and cloth.....	33	76,099,980	508	1,234,857	18,504	12,529,766	1,151,053	69,481	34,694,760	72,174,728	37,479,968
Cotton thread.....	4	2,930,711	75	139,607	638	500,436	16,076	2,120	1,938,264	4,228,462	2,290,198
Cottons, other than above.....	28	5,357,829	283	552,578	652	476,373	45,703	1,568	4,077,423	6,432,626	2,355,203
Totals.....	65	84,388,520	866	1,927,042	19,794	13,506,575	1,212,832	73,179	40,710,447	82,835,816	42,125,369

Table 33.—Summary Statistics: Cotton Textiles 1917-26—Concluded

Items	Number of estab- lish- ments	Capital	Salaried employees	Total salaries	Wage- earners	Total wages	Cost of fuel	Power installed	Cost of material used	Selling value of product	Value added by manufac- ture
		\$		\$		\$	\$	h.p.	\$	\$	\$
1923—											
Cotton yarn and cloth.....	34	82,843,739	506	1,193,481	18,736	12,907,042	1,140,999	72,951	43,155,326	79,333,985	36,178,659
Cotton thread.....	5	4,015,023	86	165,100	664	492,609	23,336	2,375	2,233,810	4,486,339	2,252,529
Cottons, other than above.....	33	5,567,267	343	615,180	789	619,431	41,386	1,753	4,869,462	7,726,453	2,856,991
Totals.....	72	92,426,029	935	1,973,761	20,189	14,019,082	1,205,721	77,079	50,258,598	91,546,777	41,288,179
1924—											
Cotton yarn and cloth.....	35	82,752,025	539	1,271,478	17,841	10,993,045	1,004,104	88,918	43,274,245	69,984,875	26,710,630
Cotton thread.....	5	4,496,274	83	156,290	634	518,515	21,507	1,788	1,967,976	3,654,784	1,686,808
Cottons, other than above.....	36	6,638,225	188	419,967	872	709,822	42,483	2,355	5,321,099	7,767,101	2,446,002
Totals.....	76	93,886,524	810	1,847,735	19,347	12,221,382	1,068,094	93,061	50,563,320	81,406,760	30,843,540
1925—											
Cotton yarn and cloth.....	37	83,610,686	517	1,294,483	19,980	12,991,103	940,461	91,892	44,793,622	72,781,517	27,987,895
Cotton thread.....	5	4,596,366	85	167,513	623	493,014	19,584	1,830	2,036,552	3,921,862	1,885,310
Cottons, other than above.....	36	7,040,400	185	394,577	938	743,041	42,064	2,428	5,580,973	8,184,337	2,603,364
Totals.....	78	95,247,452	787	1,856,573	21,541	14,227,158	1,002,109	96,150	52,411,147	84,887,716	32,476,569
1926—											
Cotton yarn and cloth.....	38	83,439,179	571	1,368,574	19,752	13,860,432	989,936	95,546	44,265,529	76,274,257	32,008,728
Cotton thread.....	5	4,154,658	101	171,066	673	515,792	20,201	1,842	2,360,350	4,538,217	2,177,867
Cottons, other than above.....	38	7,406,831	187	385,945	1,052	830,268	54,142	2,626	6,097,102	9,010,084	2,912,982
Totals.....	81	95,000,668	859	1,925,585	21,477	15,206,492	1,064,279	100,014	52,722,981	89,822,558	37,099,577



The following tables show the imports for consumption in Canada of Cotton Textiles for the calendar years 1924, 1925 and 1926. Since the Customs Classification of commodities is not quite the same as that used in the Census of Industry, one cannot compare, say, the value of imported cotton textiles, which in 1926 is given as \$57,422,321, with the value of domestic production in the cotton textiles group, which for that year amounted to \$89,822,558, and say with certainty what part of domestic consumption was satisfied with "Made in Canada" and what with "imported goods." The difficulty is apparent at once, when one examines the list of imports appended. This, for example, contains "cotton shirts," which in domestic production are grouped with the products of the men's furnishings' trade and not with the cotton textiles group; and "cotton stockings," which are classified under hosiery and knit goods in the census of production. Similarly, carpets, cotton bags, tapes, embroideries and laces are classified as cotton textiles in the Foreign Trade returns, but in quite other classes in the Census of Industry.

The tables attached show quantity in many cases, and value in all cases, as well as country of origin of all imported cotton textiles for the years 1924, 1925 and 1926.

Table 34a.—Imports for Consumption in Canada, by Principal Countries, 1924

Articles	United Kingdom		United States		Other Countries		Totals All Countries	
	Quantity	Value	Quantity	Value	Quantity	Value	Quantity	Value
		\$		\$		\$		\$
Raw materials—								
Cotton, raw, not dyed..... lb.	26,279	2,765	92,776,865	25,566,311	107,834	7,088	92,910,978	25,570,704
Partly manufactured materials—								
Yarns, No. 40 or finer..... lb.	968,730	880,123	1,451,552	1,374,841	50	20	2,420,332	2,254,994
Yarns for mfr. of shoe laces..... "	5,573	5,831	49,823	41,016	1,690	783	57,086	47,630
Yarns, knitting, hosiery, etc..... "	90,046	57,816	340,029	190,965			430,075	248,781
Crochet and knitting cotton..... "	11,515	22,274	41,331	31,430	102,888	156,919	155,734	210,623
Cotton thread in hanks..... "	473,524	458,044	283,515	304,028	66	79	757,103	762,151
Cotton thread on spools..... "		38,410		97,580		2,161		138,160
All other cotton thread, n.o.p..... "	84,640	93,441	126,280	158,956	1,682	1,960	212,602	254,357
Cordage and twine, cotton..... "	258,792	91,487	103,137	56,401	7,105	1,032	369,034	140,829
Cotton warp..... "		647		970				1,620
Manufactures of cotton—								
Bobbinet..... yd.	134,914	21,183					134,914	21,183
Canton flannels, sheetings, etc..... "	1,249,156	220,852	602,169	76,971	999	231	1,852,324	298,034
Duck, grey or white, over 8 oz. per sq. yd..... "	266,927	246,725	592,353	552,158	100	47	859,380	798,930
Fabrics, yarn or piece dyed..... "	28,700,348	7,702,078	11,499,819	2,605,585	1,990,053	706,710	42,190,220	11,014,353
Fabrics, printed, n.o.p..... "	6,567,110	1,370,863	3,187,580	699,488	204,236	60,316	9,958,926	2,130,667
Grey unbleached cotton fabrics..... "	5,715,991	658,34	210,649,870	1,314,446	660	176	16,366,521	1,972,964
Jeans, couilles and satens, etc..... "	175,790	38,696	404,880	151,843	3,868	2,696	584,538	193,205
Plain shirtings, cambries, etc..... "	1,158,266	101,362	315,112	52,225	69,322	16,070	1,542,700	259,667
Towelling in the web..... yd.	2,088,023	256,519	182,683	27,052	4,015	591	2,274,721	281,162
Velveteens and plush fabrics..... "	720,538	510,730	141,188	108,051	190,638	189,382	1,061,264	809,163
Voiles, scrims, lawns, muslins, etc..... "	773,986	135,102	503,102	57,187	63,071	11,384	1,340,150	203,771
White or bleached cotton fabrics..... "	5,257,345	1,096,419	5,478,214	884,537	256,514	54,454	10,992,073	2,035,410
Shirts, cotton..... doz.	6,339	81,692	4,892	63,762	112	1,258	11,343	140,612
Socks and stockings, cotton, doz. pr.	35,380	107,050	387,143	682,524	11,221	15,914	433,744	803,488
Batting and wadding..... lb.	3,916	1,067	283,738	59,479	0,817	1,924	294,471	62,470
Carpets, n.o.p..... yd.	217	201	255	406	1,350	611	1,832	1,218
Bags, seamless, cotton..... "		318		29,234		432		20,984
Bags, made by use of needle..... "		6,811		138,845		641		146,297
Bed quilts or spreads..... "		406,535		97,685		10,483		514,703
Batting of cotton..... "		35,472		51,401		548		87,421
Blankets..... "		45,413		124,450		4,022		173,885
Bookbinders' cloth..... "		49,389		157,550		10		208,919
Damask of cotton, etc..... "		254,992		63,914		136,194		455,100
Duck, cotton or linen seamless..... "		5,108		140,438				145,546
Handkerchiefs..... "		794,895		17,777		378,812		1,191,484
Lampwick..... "		4,780		29,371		183		34,334
Ribbons, undyed, for mfr. of typewriter ribbons..... "		30,549		13,624		871		51,044
Sheets and pillow cases of cotton..... "		200,687		10,704		6,788		218,179
Tapes not over 1½ in. wide..... "		133,054		117,242		649		250,915
Tape, not dyed or coloured..... "		5,092		30,875		451		36,418
Tape, dyed or coloured..... "		2,118		12,234		104		14,456
Towels, cotton..... "		494,224		276,268		4,746		775,238



Table 34a.—Imports for Consumption in Canada, by Principal Countries, 1924—  
Concluded

Articles	United Kingdom		United States		Other Countries		Totals All Countries	
	Quantity	Value	Quantity	Value	Quantity	Value	Quantity	Value
		\$		\$		\$		\$
Manufactures of cotton—Con.								
Typewriter ribbons.....		1,748		44,501		231		46,480
Embroideries, white or cream.....		26,053		16,832		193,199		236,084
Embroideries, n.o.p.....		17,060		40,414		111,337		169,411
Laces, white and cream col- oured.....		467,921		99,562		322,734		890,217
Laces, lace collars, etc.....		1,068,921		334,360		294,246		1,697,527
Blouses and shirt waists, cotton.....		6,460		114,083		3,544		124,087
Shawls, cotton.....		1,808		83		2,030		4,821
Undershirts and drawers.....		11,727		171,658		20,413		203,798
Clothing, cotton, n.o.p.....		408,981		687,838		380,425		1,477,244
Fillets of cotton for mfr. card clothing.....		1,645		261				1,906
Linters of short fibres of cotton, bleached, etc..... lb.			328,116	31,388			328,116	31,388
Mantlestocking for gas light				2,640		1,019		4,659
Stockinettes, for mfr. rubber boots and shoes.....		4,870		58,909				63,779
Manufactures of cotton, n.o.p.....		280,125		976,032		124,810		1,380,967
Cotton waste.....						1,403,005		210,786
Wool waste.....						154,585		40,488
Cotton bolting.....								87,421
Quilts and spreads.....								614,073
Surgical dressings.....								555,510
<b>Total value of imports.....</b>		<b>19,063,073</b>		<b>39,048,383</b>		<b>3,233,098</b>		<b>62,753,722</b>

Table 34b.—Imports for Consumption in Canada, by Principal Countries, 1925

Articles	United Kingdom		United States		Other Countries		Totals All Countries	
	Quantity	Value	Quantity	Value	Quantity	Value	Quantity	Value
		\$		\$		\$		\$
Raw materials—								
Cotton, raw not dyed..... lb.	5,535	2,099	120,938,687	28,875,158	103,375	34,241	121,047,507	28,911,498
Partly manufactured materials—								
Yarns, No. 40 or finer.....	784,142	813,385	1,796,889	1,683,795	220	329	2,581,261	2,497,509
Yarns for mfr. of shoe laces.....	3,753	4,514	56,398	45,074	504	337	60,655	49,925
Yarns, knitting, hosiery, etc.....	47,781	38,215	248,370	131,697	1,413	844	297,504	170,756
Crochet and knitting cotton.....		4,685	10,423	8,815	13,399	67,198	187,474	80,718
Cotton thread in hanks.....	454,011	497,325	277,068	292,038			731,079	789,363
Cotton thread on spools.....		33,747		43,818		2,348		79,013
All other cotton thread, n.o.p..... lb.	80,691	128,337	96,778	108,397	2,254	2,622	179,723	230,356
Cordage and twine, cotton.....	248,471	85,794	125,002	61,281	8,318	3,743	381,791	150,818
Cotton warp.....				601				601
Manufactures of cotton—								
Bobbinet..... yd.	55,943	10,831	3,254	554			59,197	11,385
Canton flannels, sheetings, etc.....	1,013,386	197,049	693,120	103,809	864	347	1,707,370	301,205
Duck, grey or white over 8 oz. per sq. yd.....	95,611	82,521	622,315	486,574			717,926	569,095
Fabrics, yarn or piece dyed.....	23,698,915	6,737,213	12,526,765	2,780,657	1,090,179	577,588	37,915,856	10,101,458
Fabrics, printed, n.o.p.....	4,306,330	1,049,713	3,297,580	668,708	136,875	39,380	7,740,783	1,754,807
Grey unbleached cotton fabrics.....	6,729,873	732,405	12,042,007	1,215,174	6,971	1,997	18,778,851	1,949,576
Jeans, cottiles and satons, etc.....	2,382	1,036	406,473	129,771	1,599	1,307	410,454	132,114
Plain shirtings, cambrics, etc.....	1,289,245	220,775	339,741	54,388	15,437	5,090	1,644,423	280,253
Towelling in the web.....	2,016,962	253,975	208,530	30,491	6,655	1,304	2,232,147	285,770
Voiveteens.....	779,122	487,448	102,368	69,805	103,699	152,953	1,045,189	710,206
Voiles, serims, lawns, mus- lins, etc.....	557,357	86,603	393,318	36,258	36,483	7,236	987,158	130,097
White or bleached cotton fabrics.....	4,111,436	854,757	5,553,577	822,948	168,412	46,484	9,833,425	1,724,189
Shirts, cotton..... doz.	4,668	63,853	2,735	34,506	178	1,758	7,581	100,117
Socks and stockings, cot- ton..... doz. pr.	21,004	67,377	460,162	747,143	11,682	18,796	492,828	833,316
Putting and wadding..... lb.	1,608	324	253,017	48,107	4,718	1,395	259,343	49,826
Carpets, n.o.p..... yd.	387	636	3,109	3,287	233	151	3,729	4,074
Rugs, seamless, cotton.....		149		43,093				43,212
Rugs, made by use of reeds.....		11,081		451,511		20		462,611
Bed quilts or spreads.....		118,768		181,179		20,964		479,891

Table 34b.—Imports for Consumption in Canada, by Principal Countries, 1925—  
Concluded

Articles	United Kingdom		United States		Other Countries		Totals All Countries	
	Quantity	Value	Quantity	Value	Quantity	Value	Quantity	Value
		\$		\$		\$		\$
<b>Manufactures of cotton—Con.</b>								
Belting of cotton.....		34,148		45,897		15		80,060
Blankets, cotton.....		25,775		140,059		9,781		175,615
Bookbinders' cloth.....		64,113		199,507		286		263,906
Damask of cotton, etc.....		223,856		46,268		168,158		438,280
Duck, cotton or linen seam- less.....		50		146,215				146,265
Handkerchiefs.....		895,098		12,408		366,148		1,273,654
Lampwick.....		2,380		25,241		157		27,778
Ribbons undyed, for mfr. of typewriter ribbons.....		44,002		3,952				47,954
Sheets and pillow cases of cotton.....		224,221		16,201		8,957		249,379
Tapes, not over 1½ in. wide.....		139,137		113,436		707		253,280
Tape, not dyed or coloured.....		2,635		41,724		166		44,525
Tape, dyed or coloured.....		929		9,013		36		9,978
Towels, cotton.....		536,973		246,678		9,590		793,241
Typewriter ribbons.....		1,531		37,640		431		39,602
Embroideries, white or cream.....		16,191		12,930		162,982		192,103
Embroideries, n.o.p.....		26,296		30,426		58,764		115,486
Laces, white and cream coloured.....		312,566		102,264		297,469		712,299
Laces, lace collars, etc.....		1,034,379		293,234		264,841		1,592,454
Blouses and shirt waists, cotton.....		3,560		33,376		826		37,762
Shawls, cotton.....		3,974		297		1,041		5,312
Undershirts and drawers.....		23,611		123,990		32,813		180,414
Clothing, cotton, n.o.p.....		334,466		561,662		261,185		1,157,313
Fillets of cotton for mfr. card clothing.....		2,114		1,791				3,905
Linters of short fibres of cotton: bleached, etc., lb.....			506,696	34,315			506,696	34,315
Mantle stocking for gas light.....				2,053				2,053
Stockinettes, for mfr. rub- ber boots and shoes.....		54		65,490				65,544
Manufactures of cotton, n.o.p.....		261,056		1,017,857		153,767		1,432,680
Cotton waste..... lb.....							1,658,999	223,696
*Wool waste..... "							477,357	137,815
Cotton belting.....		34,148		45,897		15		80,060
Bedspreads and quilts.....		418,708		131,179		20,964		570,851
Cotton sheets and pillow cases.....		224,708		16,201		8,957		249,379
*Surgical dressings.....								504,257
<b>Total value of imports.....</b>		<b>17,789,490</b>		<b>42,676,290</b>		<b>2,936,776</b>		<b>64,259,424</b>

\*Items with asterisk are not given by country of origin and are included in the total for "all countries" only.

Table 34c.—Imports for Consumption in Canada, by Principal Countries, 1926

Articles	United Kingdom		United States		Other Countries		Totals All Countries	
	Quantity	Value	Quantity	Value	Quantity	Value	Quantity	Value
		\$		\$		\$		\$
<b>Raw materials—</b>								
Cotton, raw not dyed..... lb.....			134,565,828	22,985,143	124,983	31,362	134,690,811	23,016,505
<b>Partly manufactured materials—</b>								
Yarns No. 40 or finer..... "	783,045	642,379	1,944,478	1,674,257	45	71	2,727,568	2,316,707
Yarns for manufacture of shoe laces..... "	1,320	1,181	168,927	134,062			170,247	135,243
Yarns, knitting, hosiery, etc..... "	117,091	54,628	234,032	107,690	8,111	5,289	359,234	167,607
Crochet and knitting cotton..... "	7,761	15,212	16,878	27,020	94,529	245,247	119,168	287,479
Cotton thread in hanks..... "	460,030	394,118	275,833	255,964	160	505	736,023	650,587
Cotton thread on spools..... "		17,396		78,759		5,693		101,848
All other cotton thread, n.o.p..... lb.....	116,490	183,536	88,076	96,593	5,983	6,175	210,549	286,304
Cordage and twine, cotton..... "	182,200	54,967	309,431	139,580	7,174	1,997	498,805	196,544
Cotton warp.....		6		727				733

Table 34c.—Imports for Consumption in Canada, by Principal Countries, 1926—  
Concluded

Articles	United Kingdom		United States		Other Countries		Totals All Countries	
	Quantity	Value	Quantity	Value	Quantity	Value	Quantity	Value
		\$		\$		\$		\$
Manufactures of cotton—								
Bobbinet..... yd.	40,516	8,118					40,516	8,118
Canton flannels, sheetings, etc..... "	1,221,487	166,796	929,058	105,791	11,131	1,798	2,161,676	274,385
Duck, grey or white over 8 oz. per sq. yd..... "	96,637	80,048	755,325	483,979			851,962	564,025
Fabrics, yarn or piece dyed..... "	22,504,734	5,508,928	14,904,266	3,220,207	2,222,230	772,722	39,631,230	9,501,857
Fabrics, printed, n.o.p..... "	4,980,102	1,128,797	4,216,494	743,597	228,115	54,603	9,424,711	1,926,997
Grey unbleached cotton fabrics..... "	7,397,790	670,395	13,007,895	1,209,910	5,220	3,784	20,410,914	1,884,089
Jeans, coutilles and sateens, etc..... "	2,954	1,394	438,765	121,874	729	556	442,448	123,824
Plain shirtings, cambrics, etc..... "	764,138	128,767	787,343	111,305	30,079	4,431	1,581,560	244,503
Towelling in the web..... "	2,205,251	260,367	287,756	40,396	11,425	1,896	2,504,432	302,659
Velveteens..... "	843,617	560,077	114,495	79,333	166,100	153,075	1,124,212	792,485
Voiles, serims, lawns, mus- lins, etc..... "	905,186	141,408	347,623	38,042	10,213	2,492	1,263,022	181,942
White or bleached cotton fabrics..... "	3,843,139	707,004	5,851,250	814,730	185,502	39,898	9,879,891	1,561,632
Shirts, cotton..... doz.	3,847	54,379	4,637	47,534	146	1,390	8,630	103,303
Socks and stockings, cotton..... doz. pr.	20,855	61,214	488,839	785,725	30,367	57,203	540,061	904,142
Ratting and wadding..... "	882	195	434,882	66,203	6,757	1,760	442,521	68,158
Carpets, n.o.p..... yd.	60	78	3,854	3,750	370	424	4,284	4,252
Bags, seamless, cotton..... "		517		34,251		17,782		52,550
Bags, made by use of needle..... "		8,729		136,499		539		145,764
Bed quilts or spreads..... "		341,634		172,162		24,155		538,251
Belting of cotton..... "		32,333		46,665				78,998
Blankets, cotton..... "		37,335		160,335		32,532		230,202
Bookbinders' cloth..... "		62,798		204,664		2,009		269,468
Damask of cotton, etc..... "		213,038		38,537		161,997		413,572
Duck, cotton or linen, seam- less..... "		39		133,793				133,832
Handkerchiefs..... "		930,381		13,125		370,837		1,314,343
Lampwick..... "		732		23,623		322		24,577
Ribbons unlyed for manufacture of typewriter ribbons..... "		42,190		6,354				48,544
Sheets and pillow cases of cotton..... "		246,015		20,770		16,215		283,000
Tapes not over 1½ in. wide..... "		127,901		106,209		1,731		235,841
Tape, not dyed or coloured..... "		1,540		25,065		10		26,615
Tape, dyed or coloured..... "		976		6,117		217		7,310
Towels, cotton..... "		535,371		206,307		16,510		758,188
Typewriter ribbons..... "		1,088		43,789		920		45,797
Embroideries, white or cream..... "		8,177		3,917		80,984		93,078
Embroideries, n.o.p..... "		16,498		27,577		69,853		113,928
Laces, white and cream coloured..... "		251,354		90,711		215,681		557,746
Laces, lace collars, etc..... "		1,062,619		317,244		303,747		1,683,610
Blouses and shirt waists, cotton..... "		1,110		12,027		246		13,383
Shawls, cotton..... "		2,421		1,112		489		4,022
Undershirts and drawers..... "		13,021		82,086		76,247		171,354
Clothing, cotton, n.o.p..... "		286,384		622,682		222,407		1,131,473
Fillets of cotton for manufacture card clothing..... "		1,208		307				1,515
Linters of short fibres of cotton, bleached, etc..... lb.			374,836	23,691			374,836	23,691
Mantle stocking for gas light..... "				1,274				1,274
Stockinettes, for manufacture rubber boots and shoes..... "				125,008				125,008
Manufactures of cotton, n.o.p..... "		332,899		1,196,231		197,975		1,727,105
Cotton waste..... "							1,646,922	178,036
Wool waste..... "							502,011	109,311
Cotton belting..... "								78,998
Quilts and spreads..... "								538,251
Surgical dressing..... "								657,758
<b>Total value of imports.....</b>		<b>15,399,988</b>		<b>37,254,293</b>		<b>3,205,776</b>		<b>57,422,321</b>



Table 35 presents the exports of cotton textiles from Canada in the calendar years 1924, 1925 and 1926.

**Table 35.—Cotton Textiles—Exports, Calendar Years 1924, 1925 and 1926**

Articles	United Kingdom		United States		All Other Countries		All Countries	
	Quantity	Value	Quantity	Value	Quantity	Value	Quantity	Value
1924		\$		\$		\$		\$
Cotton and wool waste..... cwt.							18,044	172,722
Cotton duck..... yd.	81,674	63,881	148	177	455,269	271,360	537,091	335,418
Cotton fabrics..... "	95,239	23,747	20,826	4,550	123,181	23,267	239,246	51,564
Cotton underwear.....		89,229		1,690		156,579		247,498
Cotton clothing, n.o.p.....		230		2,388		58,282		60,900
Other manufactures of cotton, n.o.p.....		19,203		24,814		41,845		85,862
<b>Total value of exports.....</b>		<b>196,290</b>		<b>33,612</b>		<b>551,333</b>		<b>853,464</b>
1925								
Cotton waste..... cwt.	1,589	22,876	6,319	103,112	957	6,824		132,812
Cotton duck..... yd.	65,802	80,655	1,097	399	943,884	653,829		734,883
Cotton fabrics..... "	130,398	32,579	12,151	5,567	370,614	77,349		115,495
Cotton underwear.....		46,816		4,749		153,927		285,492
Cotton clothing, n.o.p.....		1,575		781		82,067		81,423
Other manufactures of cotton, n.o.p.....		26,975		9,495		25,551		63,021
<b>Total value of exports.....</b>		<b>211,476</b>		<b>124,103</b>		<b>929,547</b>		<b>1,336,126</b>
1926								
Cotton waste..... cwt.			4,467	51,104	900	7,041		58,145
Cotton duck..... yd.	17,414	62,387			480,340	297,420		359,807
Cotton fabrics..... "	22,869	7,133	14,508	5,697	275,699	53,305		66,135
Cotton underwear.....		77,784		5,693		95,875		179,352
Cotton clothing, n.o.p.....		398		1,428		55,574		57,400
Other manufactures of cotton, n.o.p.....		18,316		14,968		31,464		61,748
<b>Total value of exports.....</b>		<b>166,018</b>		<b>78,890</b>		<b>540,679</b>		<b>785,587</b>

### COTTON YARN AND CLOTH

The manufacture of cotton yarn and cloth is the largest cotton textile industry in Canada. Its growth since Confederation, is shown in the following table, drawn from the decennial censuses of 1871 to 1911 and giving the principal statistics of the industry for the year immediately preceding the taking of the census.



Table 36.—Cotton Yarn and Cloth Industry: Summary Statistics, 1870-1910

	No. of establishments	Capital invested	Employees		Wages and salaries	Cost of materials	Selling value of product	Value added by manufacture
			Male	Female				
		\$			\$	\$	\$	\$
1870—Canada .....	9		265	480	129,400	462,000	781,800	319,800
The Maritimes .....	2		35	92	22,500	105,000	160,800	55,600
Quebec .....	1		38	85	19,500	77,000	129,000	52,000
Ontario .....	6		192	303	87,400	280,000	492,200	212,200
1880—Canada .....	19		1,517	2,012	714,250	1,979,655	3,759,412	1,779,757
The Maritimes .....	2		139	205	40,108	168,275	276,178	107,903
Quebec .....	6		602	898	292,242	815,280	1,608,434	793,154
Ontario .....	11		776	907	381,900	996,100	1,874,800	878,700
1890—Canada .....	22	13,208,121	3,993	4,509	2,102,603	4,208,253	8,451,724	4,243,471
The Maritimes .....	7	3,308,785	1,012	1,203	588,753	1,111,990	2,176,850	1,064,860
Quebec .....	6	6,483,906	1,716	2,076	814,678	1,849,663	3,656,170	1,806,507
Ontario .....	9	3,415,430	1,265	1,230	699,172	1,246,600	2,618,704	1,372,104
1900—Canada .....	20	18,298,699	6,195	5,688	3,352,464	5,827,365	12,033,056	6,205,091
The Maritimes .....	8	4,860,000	1,328	1,589	806,901	1,504,757	2,975,497	1,470,740
Quebec .....	5	9,727,979	3,640	2,976	1,895,829	2,958,603	6,149,080	3,191,077
Ontario .....	7	3,710,720	1,227	1,123	649,734	1,303,905	2,907,879	1,543,074
1910—Canada .....	26	33,091,344	6,803	6,060	4,561,199	13,979,741	24,585,031	10,605,290
The Maritimes .....	7	6,260,371	1,115	1,343	878,712	2,048,168	3,709,133	1,660,965
Quebec .....	11	19,818,973	4,537	3,500	2,857,378	9,742,095	19,741,409	6,999,314
Ontario .....	8	7,012,000	1,151	1,157	825,109	2,189,478	4,134,489	1,845,011

**Growth of the Industry since 1917.**—The growth of the cotton yarn and cloth industry since 1917 is shown in Table 37. The number of establishments in the industry has increased from 27 in 1917 to 38 in 1926, of which two in the last 2 years were making saturated jute and cotton floor covering but were included in the totals for the cotton yarn and cloth industry. In the years under review, the fixed capital, land, plant, tools, machinery, and fixtures has doubled in value, and the working capital has increased from \$14,135,740 to \$27,013,208. Salaried employees have increased from 331 in 1917 to 571 in 1926 and wage earners have risen in numbers from 15,367 to 19,752.

The power installed has risen steadily from 51,829 h.p. in 1917, to 79,105 h.p. in 1921, and 95,546 h.p. in 1926.

The selling value of the product of the industry was greater in 1926 than in 1925 by \$3,492,740, but was some \$3,000,000 short of the sum reached in 1923. While the value added by manufacture increased by \$4,020,843 in the course of the year it was still at \$32,008,728, some \$5,000,000 short of the record figure set in 1922.

When analysed by provinces, the returns reveal the growing concentration of this industry in Quebec. In 1917 there were 12 establishments in that province, 10 in Ontario and 5 in the Maritime Provinces, of which 2 were in Nova Scotia and 3 in New Brunswick. The 12 Quebec concerns represented a capital investment of \$26,911,168 and employed in all 10,394 persons. The 10 Ontario establishments had a combined capital of \$9,279,013 and employed 3,013 persons while the 5 in the Maritime Provinces represented a capital investment of \$5,667,753 and employed 2,271 persons.

Nine years later, in 1926, there were 17 concerns reporting from the province of Quebec; they used a total capital of \$58,548,343 and employed 13,444 persons, while 16 firms in Ontario had a total capital of \$17,270,785 and employed 4,577 persons. In that year the average capital per establishment in Quebec was \$3,444,020, while the average in Ontario was \$1,079,424, less than a third as great. Similarly, the average number of employees per establishment in Quebec was 791 against 286 in Ontario; evidence not only of the concentration of the industry within Quebec but that modern large scale production has made relatively great headway in that province.

In Nova Scotia and New Brunswick, combined because the former province has fewer than 3 concerns, the total capital investment in the cotton yarn and cloth industry has increased by some 35 per cent between 1917 and 1926; it has risen from \$5,667,253 to \$7,620,051, while the total number of employees has grown from 2,271 to 2,302. In short, the industry in the Maritime Provinces has not shared in the industrial expansion noted in the returns for the whole Dominion. Summary statistics are given for the years 1917-26 in Table 37.

Table 37.—Summary Statistics: Cotton Yarn and Cloth, 1917-26

—	Number of Establishments	Fixed Capital	Working Capital	Salaried Employees	Salaries	Wage-Earners	
						Male	Female
		\$	\$		\$		
1917—							
Canada.....	27	28,721,694	14,135,740	331	606,954	8,163	7,204
Maritimes.....	5	3,753,798	1,913,455	39	63,440	1,085	1,147
Quebec.....	12	18,606,786	8,304,382	231	430,467	5,625	4,538
Ontario.....	10	5,361,110	3,917,903	61	113,047	1,453	1,519
1918—							
Canada.....	26	33,624,383	20,172,011	386	821,281	7,964	7,654
Maritimes.....	4	4,356,586	2,225,124	32	45,106	1,076	1,065
Quebec.....	12	22,618,651	13,848,974	285	632,919	5,424	4,949
Ontario.....	10	6,649,146	4,097,913	69	143,256	1,464	1,640
1919—							
Canada.....	27	35,217,192	23,515,749	365	858,518	8,428	7,331
Maritimes.....	4	4,621,586	2,516,198	39	66,707	1,141	1,039
Quebec.....	12	22,884,218	15,078,093	231	538,757	5,663	4,560
Ontario.....	11	7,711,388	5,921,458	95	253,054	1,624	1,732
1920—							
Canada.....	31	42,420,753	33,992,950	430	1,035,420	9,235	7,950
Maritimes.....	5	4,462,086	3,513,080	41	84,772	1,178	1,109
Quebec.....	13	27,991,541	23,906,491	275	677,192	6,168	4,884
Ontario.....	13	9,967,126	6,573,379	114	273,456	1,889	1,966
1921—							
Canada.....	31	45,015,956	20,931,473	403	921,691	8,104	6,631
Maritimes.....	5	4,487,086	2,868,457	57	109,735	1,126	1,037
Quebec.....	13	30,706,911	13,120,206	243	561,456	5,211	3,805
Ontario.....	13	9,821,959	4,942,810	103	250,500	1,766	1,788
1922—							
Canada.....	33	49,301,834	26,798,146	508	1,234,857	10,149	8,355
Maritimes.....	4	4,648,986	3,310,574	56	115,171	1,214	1,072
Quebec.....	16	33,814,465	17,742,508	340	852,566	6,908	5,004
Ontario.....	13	10,838,383	5,745,004	112	267,120	2,027	2,279
1923—							
Canada.....	34	51,314,128	31,529,611	506	1,193,481	10,675	8,061
Maritimes.....	5	4,630,582	3,189,284	40	68,555	1,267	999
Quebec.....	16	35,755,967	22,994,085	348	833,598	7,202	5,048
Ontario.....	13	10,918,579	5,345,342	118	291,328	2,206	2,015
1924—							
Canada.....	35	56,720,875	26,631,150	539	1,271,478	9,829	8,012
Maritimes.....	5	4,799,210	2,077,164	39	88,968	1,232	950
Quebec.....	16	41,481,054	18,701,598	377	896,566	6,799	5,000
Ontario.....	14	10,440,581	5,252,388	123	285,944	1,798	2,062
1925—							
Canada.....	37	56,641,126	26,969,560	517	1,294,483	11,224	8,756
Maritimes.....	5	4,831,298	2,660,378	36	96,495	1,311	1,016
Quebec.....	16	40,080,483	18,380,889	362	956,589	7,819	5,615
Ontario.....	16	10,729,345	5,928,293	119	241,399	2,094	2,125
1926—							
Canada.....	38	56,425,971	27,013,208	571	1,368,574	10,557	9,195
Maritimes.....	5	5,002,565	2,617,486	43	103,619	1,223	1,036
Quebec.....	17	40,317,590	18,230,753	389	995,122	7,081	5,964
Ontario.....	16	11,105,816	6,164,969	129	269,833	2,253	2,195

Table 37.—Summary Statistics: Cotton Yarn and Cloth, 1917-26—Concluded

	Wages	Cost of Fuel	Power Installed H.P.	Cost of materials used	Selling value of product	Value added by manufacture
	\$	\$		\$	\$	\$
1917—						
Canada.....	7,035,135	807,015	51,820	21,768,927	43,359,814	21,590,887
Maritimes.....	1,105,475	164,078	8,174	2,034,111	5,278,672	3,244,561
Quebec.....	4,419,962	486,165	33,137	13,703,813	28,798,242	15,094,399
Ontario.....	1,509,698	156,772	10,518	5,030,973	9,282,900	4,251,927
1918—						
Canada.....	8,406,062	1,007,401	64,205	34,289,862	66,399,228	32,109,366
Maritimes.....	1,284,754	175,990	6,625	3,927,014	8,466,604	4,539,560
Quebec.....	5,007,497	621,225	32,771	22,859,410	43,779,701	20,920,291
Ontario.....	2,113,811	210,189	10,914	7,503,408	14,152,923	6,649,515
1919—						
Canada.....	10,112,573	1,058,966	73,343	43,816,517	82,642,940	38,826,432
Maritimes.....	1,466,504	213,228	9,756	4,490,501	9,490,255	4,969,754
Quebec.....	6,297,872	675,171	45,184	31,646,714	57,530,438	25,883,724
Ontario.....	2,348,197	170,561	18,401	7,679,302	15,652,286	7,772,954
1920—						
Canada.....	12,825,293	1,276,117	61,287	53,402,723	92,490,002	39,087,279
Maritimes.....	1,979,144	320,085	8,750	5,356,372	10,069,285	4,712,913
Quebec.....	7,471,213	712,376	38,542	37,328,807	63,400,610	26,072,309
Ontario.....	3,374,936	243,657	13,995	10,718,044	19,020,101	8,302,057
1921—						
Canada.....	10,584,546	1,355,121	70,105	35,157,233	65,978,596	30,821,363
Maritimes.....	1,527,421	245,102	10,864	1,599,980	5,308,122	3,708,122
Quebec.....	6,435,690	879,923	42,607	29,029,025	50,059,832	21,030,807
Ontario.....	2,621,435	230,096	19,634	4,528,228	10,610,662	6,082,434
1922—						
Canada.....	12,529,766	1,151,053	69,481	34,694,760	72,174,728	37,479,968
Maritimes.....	1,848,883	241,963	12,847	2,991,783	7,094,522	4,102,739
Quebec.....	7,516,971	726,277	39,247	25,145,367	51,646,981	26,501,614
Ontario.....	3,163,912	182,783	17,387	6,557,610	13,433,225	6,875,615
1923—						
Canada.....	12,907,042	1,140,909	72,951	43,155,326	79,333,985	36,178,659
Maritimes.....	1,756,747	227,781	13,582	3,676,160	7,002,457	3,326,297
Quebec.....	7,880,308	743,185	41,241	31,268,759	57,201,805	25,933,046
Ontario.....	3,269,987	170,033	18,128	8,210,407	15,129,723	6,919,316
1924—						
Canada.....	10,993,045	1,004,104	88,918	43,274,245	69,994,875	26,710,630
Maritimes.....	1,534,709	193,804	13,795	3,544,107	6,022,383	2,478,276
Quebec.....	6,861,199	673,756	54,143	32,364,201	51,618,770	19,254,469
Ontario.....	2,597,137	136,544	20,980	7,366,837	12,343,722	4,970,885
1925—						
Canada.....	12,991,103	940,461	91,892	44,793,622	72,781,517	27,987,895
Maritimes.....	1,820,401	179,939	15,112	3,785,870	6,933,570	3,148,200
Quebec.....	7,958,530	626,924	55,575	32,694,774	51,126,834	18,432,060
Ontario.....	3,212,172	33,598	21,205	8,313,478	14,721,113	6,407,635
1926—						
Canada.....	13,890,432	989,938	95,546	44,265,529	76,274,257	32,008,728
Maritimes.....	1,657,569	185,897	16,728	2,989,442	6,351,722	3,362,280
Quebec.....	8,814,239	662,756	57,225	34,280,232	56,166,402	21,886,170
Ontario.....	3,388,624	141,283	21,593	6,995,855	13,756,133	6,760,278

**Employment and Wage Statistics of the Industry.**—In the table following, the principal employment statistics of the cotton yarn and cloth industry are given for Canada and its provinces since 1917. Some comment on the terms used in this and succeeding tables is perhaps called for. It should be remembered that:—

(1) The number of wage-earners employed in each year as given below, is obtained by dividing the sum of the wage-earners on the payroll on the 15th of each month by 12, thus getting a yearly average of employment.

(2) The average annual wage, is obtained by dividing the average number of wage-earners employed into the total wages paid during the year; the quotient is given as the average annual wage, irrespective of age and sex.

(3) The average number of hours worked per week by wage-earners was collected in 1924, 1925, and 1926 for "the month of highest employment" a condition that, apparently, has not affected the returns in the non-seasonal textile industries.

(4) The average number of days worked per year per establishment is calculated on the basis of a possible maximum of 304, Sundays and statutory holidays being deducted in advance. Returns from individual establishments report "days on full time," "days on part time" and "days idle" during the current calendar year. The resulting average of days in operation per plant per year, is only a fair index of activity in the industry. In the first place any average based on establishments is to some extent unsatisfactory; in the second place, since the average number of days in operation per plant is obtained by dividing the total number of days worked



during the year by the number of establishments reporting that year there is a further chance of error. For example, in years of industrial expansion when business is brisk and full time operation the order of the day, the entry of new firms into the field, itself an indication of industrial activity, has the effect of increasing the divisor without proportionate increase in the dividend, with misleading results. With this caution, the tables of employment statistics given for each industrial group should not be misunderstood.

In this table certain facts are particularly worthy of note. There is in the first place, a very considerable spread in average wages between the several provinces. In the year 1926, for instance, the 2,259 wage-earners in the Maritime Provinces received an average annual wage of \$734, the 13,045 wage-earners in Quebec received an annual average wage of \$676, while the average wage of 4,448 workers in Ontario was \$762. Compared with 1925 average annual wages have increased throughout the Dominion, with the exception of the Maritime Provinces, where a decrease of \$70 took place.

The number of hours normally worked per week in each province in 1926 showed almost as great a spread. The standard week in Nova Scotia and New Brunswick was 50 hours, in Ontario, it was 52.2 hours and in Quebec it was 55 hours per week.

The trend of hours and wages over the two-year period can be gathered from inspection of the attached table.

Table 38a.—Cotton Yarn and Cloth: Principal Employment Statistics, 1917-26

	Number of estab- lish- ments	Number of wage- earners	Average annual wage	Average number of hours worked per week per estab- lishment	Average number of days worked per year per estab- lishment
			\$		
1917—					
Canada.....	26	15,035	452	55.5	309
Maritimes.....	5	2,248	536	55.8	298
Quebec.....	11	9,856	424	55.0	303
Ontario.....	10	2,990	505	55.6	295
1918—					
Canada.....	26	15,618	538	55.4	297
Maritimes.....	4	2,141	600	56.0	295
Quebec.....	12	10,373	483	54.6	298
Ontario.....	10	3,104	681	55.6	297
1919—					
Canada.....	27	15,759	642	52.5	295
Maritimes.....	4	2,180	672	51.7	295
Quebec.....	12	10,223	616	54.6	291
Ontario.....	11	3,356	700	51.2	295
1920—					
Canada.....	31	17,194	746	53.0	289
Maritimes.....	5	2,287	865	52.5	297
Quebec.....	13	11,052	676	55.1	289
Ontario.....	13	3,855	875	51.2	293
1921—					
Canada.....	31	14,735	718	52.5	291
Maritimes.....	5	2,183	706	51.2	291
Quebec.....	13	9,016	714	55.5	274
Ontario.....	13	3,554	738	50.8	297
1922—					
Canada.....	33	18,504	677	52.8	295
Maritimes.....	4	2,286	853	52.5	277
Quebec.....	16	11,912	631	54.5	295
Ontario.....	13	4,306	735	51.4	290
1923—					
Canada.....	34	18,736	689	52.0	285
Maritimes.....	5	2,266	811	51.2	275
Quebec.....	16	12,250	643	54.0	280
Ontario.....	13	4,221	775	50.8	282
1924—					
Canada.....	35	17,841	616	52.3	281
Maritimes.....	5	2,182	703	51.2	275
Quebec.....	16	11,799	566	53.5	276
Ontario.....	14	3,860	673	50.3	274
1925—					
Canada.....	37	19,980	651	52.1	268
Maritimes.....	5	2,327	804	51.0	265
Quebec.....	16	13,434	592	55.2	269
Ontario.....	16	4,319	744	50.2	268
1926—					
Canada.....	38	19,752	702	53.1	277
Maritimes.....	5	12,250	734	50.0	268
Quebec.....	17	13,045	676	55.0	277
Ontario.....	16	4,448	762	52.0	281



Table 38b.—Samples of Wages and Hours of Labour in the Cotton Textiles Industries, 1920-26

(Compiled by the Department of Labour)

Occupation	Unit	1920		1921		1922		1923		1924		1925		1926	
		Wages	Hrs per wk.	Wages	Hrs per wk.	Wages	Hrs per wk.	Wages	Hrs per wk.	Wages	Hrs per wk.	Wages	Hrs per wk.	Wages	Hrs per wk.
		\$		\$		\$		\$		\$		\$		\$	
<b>COTTON MANUFACTURING</b>															
<b>Carders—</b>															
No. 1.	Week			19 80	55	22 35	55	22 00	55	22 00	55	22 00	55	18 10	50
No. 2.	Hour	0 32½	50	0 34	50	0 34	50	0 34	50	0 34	50	0 34	50	0 34	50
No. 3.	Hour	0 35	50	0 26	50	0 27½	50	0 27½	50	0 25	50	0 28	50	0 26½	50
No. 4.	Week			16 65	55	14 15	55	17 05	55	18 00	55	20 00	55	17 05	55
No. 5.	Week			17 50	55	17 50	55	17 50	55	17 00	55	17 00	55	17 00	55
No. 6.	Week	16 09	55			12 75	55	14 35	55	14 35	55	14 35	55	14 35	55
No. 7.	Week	14 50	50	13 66	50	13 50	50	13 85	50	14 50	50	14 00	50	14 00	50
No. 8.	Week	14 25	50	14 20	50	13 15	50	13 60	50	13 50	50	13 50	50	13 30	50
No. 9.	Hour	0 28½	50	0 28½	50	0 27	50	0 27	50	0 28	50	0 25	50	0 27	50
No. 10.	Hour	0 49	50	0 42½	50	0 34	50	0 34	50	0 34	50	0 36	50	0 35	50
<b>Spinners—</b>															
No. 1.	Week			16 50	55	16 00	55	16 15	55	16 15	55	22 00	55	13 30	50
No. 2.	Hour	0 41	50	0 42	50	0 44	50	0 43½	50	0 43½	50	0 43½	50	0 43½	50
No. 3.	Hour	0 26	50	0 25½	50	0 25½	50	0 25½	50	0 25½	50	0 25½	50	0 26½	50
No. 4.	Hour	0 30½	50	0 26½	50	0 27½	50	0 28½	50	0 28	50	0 28	50	0 26	50
No. 5.	Week			11 50	55	11 80	55	11 70	55	13 10	55	13 40	55	11 75	55
No. 6.	Week			15 00	55	14 25	55	16 75	55	15 35	55	15 90	55	12 05	55
No. 7.	Week			13 50	55	11 00	55	11 00	55	10 00	55	10 00	55	10 00	55
No. 8.	Week	25 35	55	19 85	55	20 00	55	22 50	55	22 50	55	22 50	55	22 50	55
No. 9.	Week	15 52	55	11 97	55	12 00	55	13 50	55	13 50	55	13 50	55	13 50	55
No. 10.	Week	11 00	50	11 00	50	10 05	50	12 50	50	11 00	50	11 50	50	11 50	50
No. 11.	Week	14 00	50	12 37	50	11 95	50	12 00	50	12 00	50	12 00	50	11 60	50
No. 12.	Hour			0 22½	50	0 23	50	0 23	50	0 23	50	0 23	50	0 24	50
<b>Warpers—</b>															
No. 1.	Week			20 90	55	21 35	55	22 00	55	22 00	55	22 00	55	21 00	50
No. 2.	Hour	0 24	50	0 21½	50	0 21½	50	0 21½	50	0 21½	50	0 21½	50	0 21½	50
No. 3.	Hour	0 28½	50	0 23	50	0 27	50	0 26	50	0 21	50	0 27	50	0 26	50
No. 4.	Week			12 83	55	12 65	55	12 75	55	13 50	55	15 60	55	16 50	55
No. 5.	Week			14 00	55	12 00	55	15 00	55	14 00	55	14 00	55	14 00	55
No. 6.	Week	18 86	55	14 75	55	14 80	55	16 65	55	16 65	55	16 65	55	16 65	55
No. 7.	Week	13 68	50	13 00	50	12 75	50	14 00	50	14 00	50	13 50	50	15 00	50
No. 8.	Hour	0 30	50	0 27	50	0 25½	50	0 28	50	0 28	50	0 28	50	0 27½	50
No. 9.	Week	13 75	50	12 75	50	11 15	50	11 30	50	12 75	50	12 50	50	12 50	50
No. 10.	Hour	0 44½	50	0 28½	50	0 39	50	0 39	50	0 39	50	0 44	50	0 35	50
<b>Weavers—</b>															
No. 1.	Week			20 35	55	16 50	55	18 90	55	18 90	55	20 65	55	17 75	50
No. 2.	Hour	0 42½	50	0 29	50	0 30½	50	0 29½	50	0 29½	50	0 29½	50	0 29½	50
No. 3.	Hour	0 49½	50	0 38½	50	0 38	50	0 39½	50	0 39	50	0 36	50	0 35	50
No. 4.	Week			15 75	55	15 50	55	12 25	55	12 65	55	15 35	55	15 25	55
No. 5.	Week			21 00	55	18 00	55	18 00	55	18 00	55	18 00	55	18 00	55
No. 6.	Week	17 52	55	13 72	55	13 75	55	15 45	55	15 45	55	15 45	55	15 45	55
No. 7.	Week	16 22	50	12 75	50	15 85	50	16 10	50	16 00	50	16 00	50	12 20	50
No. 8.	Week	16 70	50	12 50	50	14 20	50	15 05	50	14 70	50	17 05	50	15 50	50
No. 9.	Hour	3 32½	50	0 22	50	0 22	50	0 31	50	0 22	50	0 22	50	0 22	50

**Employment by months, 1924-1926.**—Employment by months in the years 1924, 1925 and 1926 is shown in Table 39a. In all years December was the month of highest employment for the industry, and the summer months the months of lowest employment. Over a period of years, a well marked seasonal fluctuation in employment is apparent. February and December were months of maximum employment in a monthly average for the years 1917-26; of these peaks, December was appreciably the higher. From February to August employment regularly declined, reaching its minimum in the latter month; thereafter there was a steady increase till conditions of maximum employment were reached in December.

The number of hours worked in the month of highest employment in 1925 and 1926 is shown in table 39b. It will be noted that in this industry, by far the greater number of wage-earners worked nine hours per day or over. In Quebec which is the centre of the industry, 96 per cent of the wage-earners worked 10 hours or over in 1925 and 1926; while in Ontario only 30 per cent in 1925 and 33 per cent in 1926 worked 10 hours or over. Unlike the other branches of the Textile Industry where a decrease in the number of hours worked is shown between 1925 and 1926 the Cotton Yarn and Cloth Industry shows practically no change for the two years.

Table 39a.—Cotton Yarn and Cloth: Employment by Months, 1924-1926

	1924			1925			1926		
	Male	Female	Total	Male	Female	Total	Male	Female	Total
January.....	10,105	8,385	18,490	10,821	8,569	19,390	11,048	9,138	20,186
February.....	10,052	8,294	18,346	11,005	8,760	19,765	11,098	9,117	20,215
March.....	10,020	8,005	18,025	11,213	8,733	19,946	10,923	9,145	20,068
April.....	9,985	7,871	17,856	11,281	8,719	20,000	11,092	9,107	20,199
May.....	9,617	7,939	17,556	11,201	8,687	19,888	11,058	9,166	20,224
June.....	9,551	7,889	17,440	10,984	8,583	19,567	10,712	8,972	19,684
July.....	9,396	7,523	16,919	10,749	8,383	19,132	10,793	8,937	19,730
August.....	9,558	7,606	17,164	11,109	8,625	19,734	10,756	8,925	19,681
September.....	9,602	7,705	17,307	11,084	8,671	19,755	10,781	8,910	19,691
October.....	9,791	8,018	17,809	11,412	8,857	20,269	11,367	9,422	20,789
November.....	9,999	8,389	18,388	11,922	9,003	20,925	11,515	9,438	20,953
December.....	10,260	8,520	18,780	11,890	9,079	20,969	11,778	9,603	21,381
Monthly average.....	9,829	8,012	17,841	11,224	8,756	19,980	10,557	9,195	19,752

Table 39b.—Cotton Yarn and Cloth: Hours Worked in Month of Highest Employment, 1925 and 1926

	Canada		Maritime Provinces		Quebec		Ontario	
	Number	Per cent	Number	Per cent	Number	Per cent	Number	Per cent
8 hours or less.....	1925 70				70			
	1926 35				31		4	
9 hours.....	1925 4,727	22	1,053	44	500	4	3,174	70
	1926 4,866	22	1,076	43	587	4	3,203	67
10 hours.....	1925 16,255	76	1,342	56	13,728	93	1,183	27
	1926 16,016	72	1,401	57	13,435	90	1,180	25
Over 10 hours.....	1925 531	2	8		369	3	154	3
	1926 1,228	6	8		855	6	365	8

**Quantity and Cost of Fuel.**—The quantity and cost of fuel used in the cotton yarn and cloth industry 1917-26 is shown in the accompanying table. Since 1921 the industry's total fuel bill has been steadily decreasing, while the cost of electricity used has risen from \$285,267 in 1924 to \$677,171 in 1925 and to \$730,088 in 1926.

Table 40.—Quantity and Cost of Fuel Consumed in Cotton Yarn and Cloth Industry, 1917-1926

Year	Bituminous Coal		Anthracite coal		Coke		Gasoline		Fuel Oil		Total cost of fuel including items unspecified
	Quantity	Cost	Quantity	Cost	Quantity	Cost	Quantity	Cost	Quantity	Cost	
	Short ton	\$	Short ton	\$	Short ton	\$	Gallon	\$	Gallon	\$	
1917.....	144,354	687,231	5,087	19,154	4	40	9,010	3,087	38,918	3,152	712,385
1918.....	98,224	933,244	8,650	54,501	1,007	6,261	8,881	3,151	42,266	5,615	1,007,404
1919.....	132,321	1,004,987	6,443	35,159	1,571	8,354	10,652	3,812	45,820	5,989	1,058,960
1920.....	131,768	1,202,136	7,087	47,480	664	6,587	17,868	8,054	49,507	5,605	1,276,117
1921.....	119,384	1,296,157	3,583	38,949			24,016	10,568	55,596	6,685	1,355,121
1922.....	149,410	1,128,888	630	4,690	372	3,146	23,384	7,770	41,506	4,317	1,151,053
1923.....	153,576	1,121,003			481	6,884	26,335	8,209	31,299	3,102	1,140,999
1924.....	142,481	991,873			225	3,492	14,767	4,141	26,854	3,136	1,004,104
1925.....	147,453	925,531			419	4,939	18,959	5,150	34,457	3,400	940,461
1926.....	150,140	971,864	303	1,468	441	4,934	19,701	5,305	37,527	3,990	999,936

**Power Employed, 1917-1926.**—Total power employed and boilers installed in the cotton yarn and cloth industry is shown year by year since 1917 in Table 41. In those ten years the number of power units operated has increased from 566 to 3,322 and their total capacity has risen from 50,340 h.p. to 91,892 h.p. in 1925, and to 95,546 h.p. in 1926.

**Table 41.—Power Employed in Cotton Yarn and Cloth Industry, 1917-1926**

Year	Steam engines and turbines		Oil gas and gas-oil engines		Hydraulic turbines or water wheels		Electric Motors				Total power installed		Boilers installed	
							Operated by purchased power		Operated by power generated by the plant					
units	h.p.	units	h.p.	units	h.p.	units	h.p.	units	h.p.	units	h.p.	units	h.p.	
1917	43	13,620	1	80	56	17,430	325	16,081	139	2,979	566	50,340	.....	13,895
1918	77	9,343	1	80	49	15,885	530	22,247	158	2,755	815	50,310	97	19,802
1919	69	9,680	1	80	51	15,590	1,252	31,297	*	.....	1,373	50,667	117	19,802
1920	71	10,520	2	105	46	13,420	738	25,217	602	10,250	1,464	60,162	115	17,455
1921	44	11,275	1	80	47	18,420	1,510	40,002	*	.....	1,602	69,777	111	21,619
1922	58	11,497	1	25	19	10,120	1,128	28,976	865	19,043	2,071	69,481	124	21,374
1923	55	11,247	1	750	14	10,120	1,443	33,467	1,281	17,427	2,794	72,951	121	21,339
1924	54	12,237	.....	.....	46	21,950	1,430	35,801	1,535	18,930	3,071	88,918	140	24,249
1925	48	12,277	.....	.....	48	22,750	1,476	37,448	1,563	19,417	3,135	91,892	133	25,034
1926	49	13,317	1	25	48	22,750	1,630	39,644	1,594	19,810	3,322	95,546	119	21,449

\*Note.—In 1919 and 1921—electric motors were not separated as in earlier and subsequent years.

**Machinery and Equipment.**—The collection of information about machinery and equipment in cotton mills was discontinued by the Census of Industry during the years 1924-26, inclusive, but will be resumed in 1927. The table following contains all the data on this subject collected by the annual census from 1917-23. The number of spindles installed in Canadian cotton cloth and yarn mills was 1,010,724 in 1917, of which total 643,649 were frame-spinning spindles and the remaining 367,075 mule-spinning spindles. In 1923 the total number was 1,188,759, of which 896,063 were frame and 292,696 were mule-spinning spindles. In 1917 there were 20,410 looms in use in the cotton yarn and cloth mills in 1923 there were 24,110, an increase of 3,700 in the seven years for which figures are available.

**Table 42.—Equipment in Cotton Yarn and Cloth Mills, 1917-1923**

—	1917	1918	1919	1920	1921	1922	1923
Sets of cards—							
Mule.....				295	420	694	614
Frame.....				2,253	2,389	2,214	2,389
Spindles in operation—							
Mule.....	330,778	314,199	311,789	300,557	329,304	292,083	274,773
Frame.....	587,140	597,411	610,527	638,601	710,185	828,465	840,957
Spindles idle—							
Mule.....	36,297	40,561	32,886	20,264	20,661	20,881	17,923
Frame.....	56,509	64,922	44,115	37,024	74,798	39,310	55,106
Spindles doubling and twisting—							
Mule.....			408	408	480	480	480
Frame.....	58,170	47,658	51,910	51,146	59,578	59,955	70,872
Looms—							
Less than 28" wide.....	72	118	133	181	151	266	216
From 28" to 32" wide.....	356	893	728	751	924	1,192	977
From 32" to 36" wide.....	4,117	3,407	4,923	4,627	3,583	4,940	4,914
More than 36" wide.....	14,383	15,248	15,618	15,996	17,180	17,446	17,725
All other.....	1,482	1,495	146	189	227	314	278
Dye-houses.....			9	9	13	14	16
Bleach-houses.....					1	1	3
Printing machines.....					12	15	15
Braiders.....					350	462	462
Rope-layers.....					8	8	10
All other equipment.....			220	375	2	2	5



**Quantities and Values of Products.**—The following table shows the quantities and values of the principal products of the cotton yarn and cloth industry 1917-26.

**Table 43.—Cotton Yarn and Cloth—Quantities and Values of Products, 1917-1926**

Year	Yarn: Grey		Yarn: bleached or dyed		Fabrics: bleached or white		Fabrics: unbleached or grey	
	Quantity	Value	Quantity	Value	Quantity	Value	Quantity	Value
	lb.	\$	lb.	\$	yd.	\$	yd.	\$
1917.....	13,359,794	4,314,734	2,571,333	1,060,784			134,908,394	14,641,963
1918.....	17,164,627	9,516,261	2,363,583	1,227,429			122,286,314	16,276,562
1919.....	15,935,701	10,664,509	3,211,992	2,250,055	62,908,633	19,311,276	110,161,384	21,256,895
1920.....	20,178,620	14,596,474	1,737,820	1,346,539	55,787,396	17,068,931	106,292,070	27,214,171
1921.....	16,679,034	9,661,109	1,313,874	1,035,541	72,337,965	14,466,581	99,539,829	20,965,413
1922.....	19,834,401	8,277,048	1,391,514	645,812	116,363,057	17,315,347	92,053,489	16,232,654
1923.....	20,739,622	10,761,418	12,403,269	3,415,463	36,886,627	6,330,917	160,916,388	22,506,806
1924.....	19,196,650	10,415,471	15,624,137	2,788,047	31,014,695	6,446,719	114,441,155	19,300,154
1925.....	19,692,804	9,788,368	1,907,560	1,070,043	38,440,756	7,377,042	132,125,034	21,227,785
1926.....	22,220,508	10,196,223	2,137,926	974,938	39,453,254	7,425,972	106,996,234	15,985,199

Year	Prints		Denim and cottonades		Ducks and drills		Flannelettes	
	Quantity	Value	Quantity	Value	Quantity	Value	Quantity	Value
	yd.	\$	yd.	\$	yd.	\$	yd.	\$
1917.....	32,277,731	3,478,527			4,190,485			
1918.....	34,901,615	6,279,118			2,043,449			
1919.....	27,713,766	5,472,508	6,068,957	2,868,124	4,351,133	1,522,897	9,505,576	2,407,260
1920.....	29,325,684	5,691,645	5,693,286	2,689,360	1,903,123	2,674,901	6,835,939	1,841,592
1921.....	30,663,649	6,669,843	3,518,258	961,423	3,653,740	1,744,165	6,937,952	1,379,005
1922.....	38,709,478	6,507,850	5,982,890	1,900,934	7,360,568	1,941,877	7,292,816	1,374,729
1923.....	35,310,128	6,002,597	6,757,567	2,514,987	5,276,939	2,653,524	5,755,903	1,121,359
1924.....	31,308,539	5,811,648	7,069,818	1,952,274	3,881,523	2,351,349	4,555,732	743,326
1925.....	32,193,958	5,913,624	10,291,122	2,632,323	5,932,577	2,503,625	9,908,999	1,631,883
1926.....	36,501,335	7,046,810	10,432,226	2,081,188	17,056,155	4,290,249	10,604,129	2,290,802

Year	Ginghams		Tire fabrics		Cotton waste		Total value of products including unitemized products
	Quantity	Value	Quantity	Value	Quantity	Value	Value
	yd.	\$	yd.	\$	lb.	\$	\$
1917.....					10,274,623	501,668	43,359,814
1918.....					12,150,496	578,366	66,399,228
1919.....	5,287,997	970,236			10,831,631	750,193	82,642,949
1920.....	4,711,259	1,328,951			12,638,545	830,145	92,490,002
1921.....	6,872,407	1,517,727			9,845,803	352,800	65,978,596
1922.....	9,253,500	1,927,635	2,300,278	1,760,619	9,291,052	363,368	72,174,728
1923.....	7,731,595	1,567,626	2,330,689	1,491,015	9,997,252	431,901	79,333,985
1924.....	8,837,153	1,545,333	5,418,473	3,834,742	10,840,414	560,420	69,984,875
1925.....	10,132,983	1,818,422	7,925,279	4,743,494	10,430,742	679,863	72,781,517
1926.....	9,473,633	1,766,515	9,265,405	5,078,239	11,716,789	709,509	76,274,257

**Sample Prices, 1913-26.**—The following average annual prices of representative cotton yarn and cloth commodities are drawn from "Prices and Price Indexes, 1913-26," published by the Dominion Bureau of Statistics.

**Table 44.—Sample Prices of Cotton Goods, 1913-1926**

**RAW COTTON**

Cotton, Raw, Middling, 1 to 1-16 inches

Price per pound delivered at Hamilton—Monthly Quotations from Manufacturers

**AVERAGE PRICES**

1913.....	\$	0-1345	1920.....	\$	0-4433
1914.....		0-1148	1921.....		0-1712
1915.....		0-1011	1922.....		0-2334
1916.....		0-1435	1923.....		0-3149
1917.....		0-2281	1924.....		0-3044
1918.....		0-3171	1925.....		0-2596
1919.....		0-3842	1926.....		0-1942



Table 44.—Sample Prices of Cotton Goods, 1913-1926—Concluded

## COTTON YARN.

Cotton Yarn, 10's, White Single Hosiery Cope  
Price per pound—Monthly Quotations from Manufacturers  
AVERAGE PRICES

1913.....	\$ 0.244	1920.....	\$ 0.767
1914.....	0.235	1921.....	0.357
1915.....	0.209	1922.....	0.404
1916.....	0.306	1923.....	0.5783
1917.....	0.469	1924.....	0.5008
1918.....	0.671	1925.....	0.4376
1919.....	0.649	1926.....	0.3680

## FABRICS

Gingham, Amoskeag, 6-37 yards to the pound  
Price per yard—Monthly quotations from wholesale dry goods house, Toronto  
AVERAGE PRICES

1913.....	\$ 0.095	1920.....	\$ 0.307
1914.....	0.0775	1921.....	0.215
1915.....	0.08	1922.....	0.187
1916.....	0.1042	1923.....	0.1914
1917.....	0.1375	1924.....	0.1816
1918.....	0.20	1925.....	0.1743
1919.....	0.233	1926.....	0.1681

## BLUE DENIM

Denim, Blue, 2 yards to the pound  
Price per pound, f.o.b. works—Monthly quotations from manufacturers  
AVERAGE PRICES

1913.....	\$ 0.3533	1920.....	\$ 0.9967
1914.....	0.3433	1921.....	0.565
1915.....	0.345	1922.....	0.572
1916.....	0.4625	1923.....	0.7158
1917.....	0.6417	1924.....	0.7242
1918.....	0.9016	1925.....	0.6250
1919.....	0.94	1926.....	0.5525

## TICKING

1-90 yards to the pound  
Price per pound, f.o.b. works—Monthly quotations from manufacturers  
AVERAGE PRICES

1913.....	\$ 0.3347	1920.....	\$ 1.113
1914.....	0.334	1921.....	0.5462
1915.....	0.3248	1922.....	0.617
1916.....	0.4085	1923.....	0.7117
1917.....	0.5368	1924.....	0.7212
1918.....	0.8478	1925.....	0.6555
1919.....	0.8842	1926.....	0.5748

## SHIRTING

4-35 yards to the pound  
Price per pound, f.o.b. works—Monthly quotations from manufacturers  
AVERAGE PRICES

1913.....	\$ 0.3398	1920.....	\$ 1.318
1914.....	0.348	1921.....	0.7014
1915.....	0.3552	1922.....	0.772
1916.....	0.4874	1923.....	0.8383
1917.....	0.6909	1924.....	0.8464
1918.....	1.0363	1925.....	0.7584
1919.....	1.158	1926.....	0.7084

## SAXONY

4-15 yards to the pound  
Price per pound, f.o.b. works—Monthly quotations from manufacturers  
AVERAGE PRICES

1913.....	\$ 0.4409	1920.....	\$ 1.452
1914.....	0.4392	1921.....	0.7677
1915.....	0.3955	1922.....	0.83
1916.....	0.5134	1923.....	0.868
1917.....	0.7384	1924.....	0.9095
1918.....	1.046	1925.....	0.8558
1919.....	1.187	1926.....	0.7807

### THE COTTON THREAD INDUSTRY

There were 5 establishments making cotton thread in Canada in 1926; three of them were in Quebec, the remainder in Ontario. These concerns reported a total capital investment of \$4,154,658, of which \$3,732,701 was the total for Quebec. They employed in all 774 persons, 249 males and 525 females, 66 persons more than in 1925. Salaries paid were higher by \$3,553 than in the previous year, and wages paid were higher by \$22,778. The cost of the materials used was \$323,798 higher in 1926 than in 1925, but as the selling value of the product was greater by \$616,355, the value added by manufacture increased by \$292,557. On the whole, business conditions in 1926 were better than in 1925 and returns received by the Bureau show a considerable recovery from the slump of 1924. Although, the total capital invested dropped \$441,708 from the previous year, yet the principal statistics given below show that the year 1926 was in many respects as good as the years 1922 and 1923.

Table 45.—Cotton Thread: Principal Statistics, 1917-1926

Year	No. of Est.	Fixed capital	Working capital	Salaried employees	Total salaries	Wage-earners		Total wages	Cost of fuel	Power installed	Cost of materials	Selling value of products	Value added by manufacture
						Male	Female						
		\$	\$		\$			\$	\$	h.p.	\$	\$	\$
1917	3	1,019,499	1,077,596	47	51,958	87	356	160,489	11,296	1,182	988,487	2,619,456	1,630,969
1918	4	1,202,380	2,110,887	76	91,134	107	439	271,698	18,649	1,238	1,718,064	3,007,877	1,289,813
1919	4	1,122,001	4,487,429	75	122,936	142	424	303,467	17,626	1,223	2,125,456	3,538,076	1,412,620
1920	4	1,254,602	6,124,486	68	128,219	146	547	467,689	8,305	1,337	3,117,237	5,459,851	2,342,614
1921	4	1,262,573	2,029,790	64	139,457	128	292	269,707	15,110	1,679	2,024,110	3,363,606	1,339,586
1922	4	1,270,081	1,660,630	75	139,607	141	497	500,436	16,070	2,120	1,938,264	4,228,462	2,290,198
1923	5	1,647,117	2,367,900	86	165,100	155	509	492,609	23,336	2,375	2,233,810	4,486,339	2,252,529
1924	5	1,814,665	2,681,609	83	156,290	168	466	518,515	21,507	1,788	1,967,976	3,654,784	1,086,808
1925	5	1,904,027	2,692,339	85	167,513	168	455	493,014	19,584	1,830	2,036,552	3,921,862	1,885,310
1926	5	1,774,560	2,380,098	101	171,066	174	499	515,792	20,201	1,842	2,360,350	4,538,217	2,177,867

**Employment and Wages in the Cotton Thread Industry.**—The following table shows the average number of wage-earners employed in the cotton thread industry, their average annual wages and normal working week, as well as the average number of days worked per plant during the year.

The average number of wage-earners rose rapidly from 1917 to 1920, reaching a maximum, never since attained, of 693 persons. In the ensuing slump, employment fell 40 p.c., and during 1921 the average number employed was but 420. The next two years saw a swift recovery, reaching its peak in 1923 when 664 persons were at work. For the next two years the number employed slightly declined and rose again in 1926 to 673, the highest number attained since the peak of 1920. Average annual wages given in the next column should be corrected by the "cost of living" index number given above in order to measure the "real" wages received by workers in the industry. Comparison with similar figures for the cotton yarn and cloth industry is interesting. In 1920 the average annual wage in the thread industry was \$675, as against \$746 in the yarn and cloth manufacture; in 1926 the average wage in the former trade was \$766 as against \$702 in the latter. The average working week has been shortened considerably since 1917, the first year for which returns are available. At that time the average week was 53.3 hours; now it is 47.4 hours—a reduction of over 10 per cent accompanied by an increase of 65 per cent in real wages.

**Table 46.—Principal Employment Statistics: Cotton Thread Industry, 1917-1926**

	No. of establish- ments	No. of wage- earners	Average annual wage	Average working week	Average No. of days worked per plant per year
			\$	hours	
1917.....	3	443	382	53.3	292
1918.....	4	546	498	51.0	284
1919.....	4	566	536	50.0	287
1920.....	4	693	675	48.0	293
1921.....	4	420	642	47.5	258
1922.....	4	638	784	48.0	275
1923.....	5	664	742	48.2	283
1924.....	5	634	818	48.2	275
1925.....	5	623	791	47.2	275
1926.....	5	673	766	47.4	279

**Employment and Hours Worked.**—Employment by months in the thread industry is given below in table 47 for the years 1925 and 1926. These figures show that employment in this industry is fairly steady during the whole year, April being the month of maximum employment and January the month of minimum employment. The average number of wage-earners employed in 1925 was 623. In 1926 the average rose to 673 an increase of 50 wage-earners.

From the second table it is seen that 83.8 per cent of the wage-earners in the month of highest employment worked 9 hours a day or over, and the remainder worked 8 hours per day or less.

**Table 47.—Cotton Thread Industry: Employment by Months, 1925-1926**

Average number of wage-earners by months

	1925			1926		
	Male	Female	Total	Male	Female	Total
January.....	159	423	582	165	477	642
February.....	167	430	597	177	510	687
March.....	169	450	619	175	517	692
April.....	168	461	629	168	523	691
May.....	171	451	622	173	494	667
June.....	168	444	612	176	489	665
July.....	165	450	615	175	489	664
August.....	167	452	619	174	489	663
September.....	169	467	636	177	499	676
October.....	171	469	640	178	498	676
November.....	174	477	651	175	494	669
December.....	169	486	655	176	499	675
<b>Average.....</b>	<b>168</b>	<b>455</b>	<b>623</b>	<b>174</b>	<b>499</b>	<b>673</b>

NOTE.—Number of wage-earners in months of highest employment, 1926—

Working— 8 hours a day or less.....	115
9 hours.....	588
10 hours.....	2
Over 10 hours.....	4
<b>Total wage-earners.....</b>	<b>709</b>

**Quantity and Value of Products of the Cotton Thread Industry.**—The quantities and values of the principal products of the cotton thread industry are given in Table 48 for the years 1920-26. Prior to that time values only are available—and they are given in a previous table.

It will be noted that since 1921 the quantity and value of sewing cotton manufactured has increased each year; the production of cotton thread, however, has fluctuated to some extent. In 1923, 5,517,864 doz. spools were manufactured with a selling value of \$3,459,210. In 1924 a marked falling off in production is noticeable; the quantity made was 4,964,541 dozen spools, selling at \$2,754,822. In 1925 and 1926 there was a considerable recovery; the quantity made was 5,273,905 doz. spools with a selling value of \$3,040,024 in 1925, and 5,801,416 doz. spools with a selling value of \$3,232,303 in 1926. On the other hand, the quantity of crochet cotton made had declined steadily since 1921, while the value has fallen off every year since 1922, until in 1925, the quantity manufactured was less than half of what it was in 1922, while its selling value had fallen from \$892,216 to \$493,000. In 1926, however, a marked increase in selling value is shown, having risen to \$897,259, an increase of \$404,288 over the previous year.



Table 48 (b) shows the average annual prices of a standard cotton thread, that is more or less representative of the group of commodities made in this industry.

Table 48.—Cotton Thread Industry: Production, 1920-1926

Years	Sewing cotton		Thread		Crochet cotton		Other products—value only	Total value
	Quantity	Value	Quantity	Value	Quantity	Value		
	lb.	\$	doz. spools	\$	doz. balls	\$	\$	\$
1920.....	140,000	270,682	4,256,172	4,122,879	687,828	1,066,290		5,459,851
1921.....				2,627,562	745,488	736,194		3,363,696
1922.....	121,000	250,011	5,124,384	3,086,235	678,624	892,216		4,228,462
1923.....	155,681	265,641	5,517,864	3,459,210	579,102	761,488		4,486,339
1924.....	187,000	305,039	4,964,541	2,754,822	438,516	566,224	28,699	3,654,784
1925.....	218,572	372,266	5,273,905	3,040,024	337,872	493,007	16,565	3,921,862
1926.....	235,637	389,935	3,801,416	3,232,303	345,000	897,295	18,684	4,538,217

Table 48 (b)—Yarn and Thread: Price of Cotton Thread, 1913-26.

(Cotton thread, 6-cord J. & P. Coats. 200-yard spools. Price per gross—Monthly quotations from wholesale dry goods house, Toronto)

Yearly Averages	
1913.....	\$ 5 20
1914.....	5 00
1915.....	5 20
1916.....	6 30
1917.....	7 17
1918.....	8 94
1919.....	10 89
1920.....	\$13 15
1921.....	10 52
1922.....	9 12
1923.....	9 92
1924.....	10 32
1925.....	11 31
1926.....	11 64

#### COTTON TEXTILES OTHER THAN YARN, CLOTH AND THREAD

This last cotton textile group is anything but homogeneous; it contains all kinds and sizes of establishments making a great number of different products. In consequence it is impossible to treat the firms grouped under this heading as members of a single industry. Averages under such circumstances are nearly meaningless; however some tentative figures are submitted in the table "miscellaneous statistics."

Within the general grouping "Cotton textiles other than yarn, cloth and thread," certain small but well defined industries are included. The first of these is the "cotton and wool waste" business with eight establishments in 1926, but four more than in 1917. These firms, together, use a capital of \$1,192,898, employ 270 persons and make a product that sold for \$2,390,198 in 1926. It is essentially a by-product industry and has in consequence shared the ups and downs of the major textile groups. Since 1923 it has developed rapidly; wage-earners have risen from 121 to 236, capital invested from \$756,694 to \$1,192,898, and value added by manufacture from \$399,774 to \$560,169. Of the eight concerns reporting in 1926, four were in Quebec and four in Ontario.

In 1926, there were eight firms making cotton batting and wadding, four in Quebec and four in Ontario. They employed a capital of \$2,461,898, gave work to 320 persons and made goods that sold for \$2,404,251. A glance at the principal products reported by this group will illustrate the diverse activities in which the firms here combined, are engaged; absorbent cotton, mattresses, cushions, oiled silk, medicated plasters, talcum powder and liquid soap are all made by firms classified under the rubric of batting and wadding.

Cotton goods n.e.s. include firms making window blinds and shades, carriage robes, quilts and cushions, infants' bibs, tailors' trimmings, cotton belting, gaiters and leggings, asbestos pads, dish cloths and mops. This category comprises all manufacturing establishments using cotton as basic raw material, that cannot be fitted into other groups.

The tables attached contain the principal statistics since 1917, of the several subgroups as well as a combined total for "cotton textiles other than cloth, yarns and thread."

The quantities and values of the principal products of the batting and wadding and cotton and wool waste are given for the years 1924-26 in Tables 50 and 51. An itemized commodity index of production for the Textile Industries published as Table 32 contains the products of the "cotton goods n.e.s." group in their alphabetical order.

Statistics of size of establishments, etc., and hours worked in the "cotton textiles other than cloth, yarn and thread" group are published as Tables 52 and 53.



Table 49.—Cotton Textiles other than Cloth, Yarn, and Thread: Summary Statistics, 1917-1926

	Number of establish- ments	Fixed capital	Working capital	Salaried employees	Total salaries	Wage- earners	Total wages	Cost of fuel	Power installed	Cost of materials	Selling value of products	Value added by manu- facture
		\$	\$	No.	\$	No.	\$	\$	h.p.	\$	\$	\$
1917												
Cotton and wool waste.....	3	16,820	87,200	12	20,744	36	22,820	3,110	57	78,005	202,301	124,296
Batting and wadding (surgical dressings).....	4	269,873	470,394	29	66,000	101	47,311	10,994	447	354,213	618,271	264,058
Cotton goods, n.e.s.....	14	665,260	1,308,754	156	225,119	440	214,356	18,792	309	1,091,451	1,963,579	872,128
Totals.....	21	951,953	1,866,548	197	311,863	577	284,487	32,896	813	1,523,669	2,784,151	1,260,482
1918												
Cotton and wool waste.....	6	167,140	365,749	27	44,650	112	77,154	4,620	582	909,051	1,227,889	318,838
Batting and wadding.....	4	282,563	366,204	129	70,817	129	70,817	19,144	533	467,988	809,579	341,591
Cotton goods, n.e.s.....	15	1,558,884	1,047,205	136	200,809	392	235,252	23,543	430	1,158,537	2,619,716	1,461,179
Totals.....	25	2,008,587	1,779,158	163	245,459	633	383,223	47,307	1,545	2,535,576	4,657,184	2,121,608
1919												
Cotton and wool waste.....	6	225,942	532,535	41	43,424	108	72,109	4,486	608	1,550,771	1,866,659	315,888
Batting and wadding.....	3	368,978	478,915	44	98,307	113	67,816	.....	.....	556,654	919,437	362,783
Cotton goods, n.e.s.....	20	676,018	1,905,975	200	253,914	439	311,159	22,109	605	2,985,104	4,426,797	1,441,693
Totals.....	29	1,270,938	2,917,425	285	395,655	660	451,084	26,595	1,213	5,092,529	7,212,893	2,120,364
1920												
Cotton and wool waste.....	8	380,036	686,201	35	81,456	163	147,508	15,936	717	2,250,481	2,798,510	548,029
Batting and wadding.....	3	374,643	828,725	57	122,199	136	67,184	12,879	391	859,461	1,466,484	607,023
Cotton goods, n.e.s.....	17	818,270	2,547,001	193	369,213	494	439,020	38,937	337	3,508,185	5,075,571	1,567,386
Totals.....	28	1,572,949	4,041,927	283	572,868	793	683,712	67,752	1,445	6,618,127	9,340,565	2,722,438
1921												
Cotton and wool waste.....	8	304,294	546,945	20	37,577	101	89,437	4,002	317	1,060,937	1,405,072	344,135
Batting and wadding.....	4	568,036	582,912	53	106,178	105	89,322	17,236	413	535,983	1,043,975	507,992
Cotton goods, n.e.s.....	18	850,716	2,267,322	183	407,885	357	291,541	28,485	636	2,270,745	3,898,746	1,538,001
Totals.....	30	1,783,046	3,397,179	256	551,640	563	470,300	49,723	1,366	3,867,665	6,257,793	2,389,128

Table 49.—Cotton Textiles other than Cloth, Yarn, and Thread: Summary Statistics, 1917-1926—Concluded

	Number of estab- lishments	Fixed capital	Working capital	Salaried employees	Total salaries	Wage- earners	Total wages	Cost of fuel	Power installed	Cost of materials	Selling value of products	Value added by manu- facture
1922		\$	\$	No.	\$	No.	\$	\$	h. p.	\$	\$	\$
Cotton and wool waste.....	6	330,180	542,523	17	39,789	88	66,385	4,737	572	901,666	1,331,562	429,896
Batting and wadding.....	4	558,112	667,894	46	106,514	113	87,059	11,497	423	638,301	1,158,338	520,037
Cotton goods, n.e.s.....	18	899,342	2,359,778	220	406,275	451	322,929	29,469	573	2,537,456	3,942,726	1,405,270
Totals.....	28	1,787,634	3,570,195	283	552,578	652	476,373	45,703	1,568	4,077,423	6,432,626	2,355,203
1923												
Cotton and wool waste.....	6	360,347	396,347	21	49,905	121	91,649	3,384	574	1,107,373	1,507,147	399,774
Batting and wadding.....	4	527,805	654,250	48	113,384	127	107,613	10,526	423	818,828	1,385,648	576,820
Cotton goods, n.e.s.....	23	969,327	2,659,191	274	451,891	541	415,169	27,476	756	2,943,261	4,833,658	1,890,397
Totals.....	33	1,857,479	3,709,788	343	615,180	789	619,431	41,386	1,753	4,869,462	7,726,453	2,866,991
1924												
Cotton and wool waste.....	7	614,239	669,345	34	70,396	239	189,171	5,645	1,024	1,692,607	2,394,525	701,918
Batting and wadding.....	6	683,367	1,056,162	58	133,854	179	145,918	11,683	574	1,033,748	1,595,149	561,401
Cotton goods, n.e.s.....	23	985,747	2,629,367	96	215,717	454	374,733	25,155	757	2,574,744	3,777,427	1,202,683
Totals.....	36	2,283,353	4,354,872	188	419,967	872	709,822	42,483	2,355	5,321,099	7,767,101	2,466,002
1925												
Cotton and wool waste.....	7	617,489	708,360	33	73,072	241	198,276	7,571	1,031	1,712,775	2,452,488	739,713
Batting and wadding.....	7	919,311	1,184,751	68	129,583	191	135,545	10,714	538	1,024,459	1,771,676	747,217
Cotton goods, n.e.s.....	22	1,052,374	2,558,115	84	191,922	506	409,220	33,779	859	2,843,739	3,960,173	1,116,434
Totals.....	36	2,589,174	4,451,226	185	394,577	938	743,041	42,064	2,428	5,580,973	8,184,337	2,703,364
1926												
Cotton and wool waste.....	8	631,484	561,414	34	65,661	236	195,343	8,214	1,106	1,830,029	2,390,198	560,169
Batting and wadding.....	8	1,089,421	1,372,477	75	161,992	245	196,670	14,017	610	1,218,331	2,404,251	1,185,920
Cotton goods, n.e.s.....	22	1,059,728	2,692,307	78	158,292	571	438,255	31,911	910	3,048,742	4,215,635	1,166,893
Totals.....	38	2,780,633	4,626,198	187	385,945	1,052	830,268	54,142	2,626	6,097,102	9,010,084	2,912,982

Table 50.—Production of the Cotton Batting and Wadding Industry, 1924-1926

Kind	Quantity	Value
1924	lb.	\$
Cotton batts, batting and wadding <sup>1</sup> (including absorbent cotton, etc.).....	5,409,431	775,274
Hospital supplies <sup>2</sup> (value only).....		521,921
All other products <sup>3</sup> .....		297,954
<b>Total value of products</b> .....		<b>1,595,149</b>
1925		
Cotton batts, batting and wadding <sup>1</sup> (including absorbent cotton, etc.).....	5,389,681	888,121
Hospital supplies <sup>2</sup> (value only).....		520,854
All other products <sup>3</sup> .....		362,701
<b>Total value of products</b> .....		<b>1,771,676</b>
1926		
Cotton batts, batting and wadding <sup>1</sup> (including absorbent cotton, etc.).....	6,427,264	988,772
Hospital supplies <sup>2</sup> (value only).....		856,442
All other products <sup>3</sup> .....		559,037
<b>Total value of products</b> .....		<b>2,404,251</b>

<sup>1</sup> Includes batting, wadding, auto batts, absorbent cotton, flock and cotton wastes, jute and jute paddings, etc.<sup>2</sup> Includes absorbent gauzes, medicated plasters, sanitary towels, surgical bandages, and other hospital supplies.<sup>3</sup> Includes talcum powder, liquid soaps and disinfectant, mattresses, cushions and all other products.

Table 51.—Production of the Cotton and Wool Waste Industry, 1924-1926

Kind	Quantity	Value
1924	lb.	\$
Cotton waste.....	3,041,211	436,244
Wool waste.....	879,977	197,794
Cotton and wool waste.....	9,509,596	1,567,985
Wiping rags.....		52,804
Gunny bagging.....	1,135,794	22,716
All other products.....		116,972
<b>Total value of products</b> .....		<b>2,394,625</b>
1925		
Cotton waste.....	771,751	120,180
Wool waste.....	495,940	99,169
Cotton and wool waste.....	10,464,529	1,516,158
Wiping rags.....	516,000	62,096
All other products.....		654,885
<b>Total value of products</b> .....		<b>2,452,488</b>
1926		
Cotton waste.....	1,097,732	219,657
Wool waste.....	779,015	171,024
Cotton and wool waste.....	9,206,025	1,146,977
Wiping rags.....		687,600
All other products.....		164,940
<b>Total value of products</b> .....		<b>2,399,198</b>



**Table 52.—Cotton Textiles, other than Cloth, Yarn and Thread: Size of Establishment, Wages, etc., 1917-1926**

Year	Number of establishments	Number of employees	Average number of employees per establishment	Average selling value of product per establishment	Average annual wage
				\$	\$
1917.....	21	774	37	132,578	493
1918.....	25	796	32	149,925	605
1919.....	29	945	33	248,720	683
1920.....	28	1,076	38	333,591	862
1921.....	30	819	27	208,593	835
1922.....	28	935	33	229,736	731
1923.....	33	1,132	34	234,135	785
1924.....	36	1,060	30	215,752	814
1925.....	36	1,123	31	227,842	792
1926.....	38	1,239	33	237,107	789

**Table 53.—Hours Worked per Day in "Cotton Textiles other than Cloth, Yarn and Thread": Hours Worked per Day, 1926**

Number of wage-earners in month of highest employment working	Eight hours or less	Nine hours	Ten hours	Over ten hours	Total
Cotton and wool waste.....	41	158	43	22	264
Per cent in each class.....	15.5	59.9	16.3	8.3	100
Batting and wadding.....	65	103	101	.....	269
Per cent in each class.....	24.2	38.3	37.5	.....	100
Cotton goods, n.e.s.....	166	372	66	26	630
Per cent in each class.....	26.3	59.1	10.5	4.1	100

## CHAPTER III

### THE WOOLLEN TEXTILE GROUP OF INDUSTRIES

The Woollen Textile group includes the following industries: Woollen cloth, woollen yarn, carpets, rugs and matting and woollen goods not included in the first three groups. The principal statistics for each of these industries are given below. Before examining the returns for the several component industries, the summary statistics of the whole woollen industry may be noticed.

It will be seen from Table 54 that the total number of establishments in the woollen industry is exactly the same in 1926 as in 1917. In the first year of the annual census there were 116 concerns engaged in the manufacture of woollen goods, by 1920 there were 133 and in 1923 the number reporting was 141. The years 1924, 1925 and 1926 have recorded successive sharp declines in the number of establishments, until the number reporting in 1926 is the same as in 1917.

The capital invested, however, has nearly doubled in the ten years under review. A total capital investment of \$22,368,947 in 1917 has become \$41,184,601 in 1926. As is shown in the table below, this growth in capital invested has been fitful and fluctuating. From 1917 to 1920 the capital used increased by nearly 80 per cent. In 1921 there was a sharp decrease and the years from 1922-24 registered a gradual increase, until the capital invested reached a new maximum of \$45,124,528 in 1924, though 1925 and 1926 showed a decline of nearly \$4,000,000. These movements in invested capital will be analyzed more fully in the reports on the several constituent industries.

Employment of both wage earners and salaried persons increased year by year from 1917 to 1920, until in the latter year record employment figures for the industry were reached. 690 salaried employees and 8,276 wage earners were at work in the allied woollen industries in 1920. Subsequent years have never equalled these totals. Nineteen twenty-one was a bad year for all industries and employment in woollens was but 79.4 per cent of the figure set in 1920. During 1922 and 1923 the number employed increased, but in 1924 the minor slump that affected all the textile industries hit the woollen group particularly hard and 1925 recorded a further pronounced decline. The total of 7,800 was lower than in any year since 1918, 1921 alone excepted. A little improvement however took place in 1926 when the number of persons employed rose to 8,019.

The selling value of product, \$31,401,222 in 1926, was \$151,022 greater than in 1925, but the cost of materials used had fallen by \$1,572,081, so that the net value of the product, or value added by manufacture, was higher by \$1,723,103 in 1926 than in 1925. This net value of product is a better index of industrial activity and progress, than the gross selling value of product. The value added by manufacture in the combined woollen industries has dropped from \$15,794,806 in 1923 to \$12,849,927 in 1924 and to \$12,473,533 in 1925 and in 1926 it rose again to \$14,196,636.

The summary statistics of the combined woollen industries are given in the table following for the years from 1917 to 1926.

Table 54.—Summary Statistics: Woollen Textiles, 1917-1926

Year	No. of establishments	Capital invested	Sal- aried em- ployees	Total salaries	Wage- earners	Total wages	Fuel con- sumed	Power in- stalled	Cost of material used	Selling value of product	Value added by manu- facture
	No.	\$	No.	\$	No.	\$	\$	h.p.	\$	\$	\$
1917.....	115	22,368,947	372	587,562	6,578	4,308,646	430,276	17,050	16,864,911	26,710,567	9,845,656
1918.....	118	28,013,607	409	756,217	6,933	4,399,077	556,778	17,190	23,753,540	37,649,441	13,895,901
1919.....	122	31,863,435	505	972,927	7,450	5,400,635	592,772	20,472	25,650,587	43,254,749	17,598,162
1920.....	133	39,003,315	690	1,518,494	8,276	7,296,955	894,338	21,396	26,669,856	48,509,557	21,839,701
1921.....	139	35,286,617	573	1,276,559	6,353	4,910,036	667,252	26,196	11,111,242	22,982,260	11,871,018
1922.....	137	36,932,382	581	1,286,068	7,471	5,904,476	671,154	23,335	13,859,979	29,062,751	15,203,772
1923.....	141	43,148,118	626	1,386,172	8,264	6,668,577	733,802	24,115	17,677,281	33,472,087	15,794,806
1924.....	126	45,124,528	641	1,420,462	7,523	5,676,799	526,280	22,906	17,325,209	30,175,136	12,849,927
1925.....	119	42,315,208	558	1,421,458	7,242	5,490,512	517,330	22,556	18,776,667	31,250,200	12,473,533
1926.....	116	41,184,601	596	1,369,809	7,423	5,569,335	565,292	23,964	17,204,586	31,401,222	14,196,636

**Principal Employment Statistics.**—The number of establishments, the average annual number of wage-earners, the total wages paid per year, the average annual wage, the average working week and the average number of days worked per plant during each year, are given in Table 55 for each of the several industries and for the combined woollen industries for the years 1917-26.

It will be seen that the average annual employment in the woollen cloth industry has had a tendency to decrease since 1919, when a maximum number of 5,426 persons were at work. In 1920 there was a slight decline, in 1921 a sharp decline; 1922 and 1923 showed some recovery but 1924 and 1925 have each recorded decreases in average annual employment, with 1926 again showing an increase. The total in 1925, 4,223, was lower than in any year since the inception of the industrial census. The average annual wage was \$756 in 1926. This is a decrease over the previous years when average annual wages were fairly constant since 1921.

The average working week was 55.9 hours in 1917; it fell gradually to 50.8 hours in 1920, and lengthened out to 53.1 hours in 1921 and 53.3 hours in 1926.

The average number of days that plants were in operation during the year is only a rough measure of industrial activity; any average based on establishments is apt to be misleading for establishments of all sizes each taken as one in such calculations. The average number of days worked during the year by plants making woollen cloth was fairly constant from 1917 to 1923. Fluctuations were within fairly narrow limits and plant operation was apparently unaffected by general business conditions; the average was 269 in 1920 and 265 in 1921. But in 1924 the average number of days worked per plant per year fell sharply to 235 and in 1925 and 1926 recovered a little to 252—a figure still below the previous seven-year average.

Average annual employment in the woollen yarn industry has tended to increase since 1917; in 1920 there was 1,209 wage earners engaged in the industry, in 1921 this total had declined by a third, but subsequent years showed a steady increase in numbers employed; 1924 was the peak year with 1,558 wage earners, and 1925 and 1926 with 1,382, and 1,376 respectively recorded a slight falling off in employment.

The average working week per employee has fallen from 56.3 hours in 1917 to 52.2 hours in 1926, a shortening of the working week by nearly 8 p.c. This curtailment of working time has been accompanied by a 11.0 per cent increase in average money wages and a 5 per cent decrease in average real wages. The variations in average annual wages noted in the years 1923-24-25 are due primarily to the altering ratio of male to female wage-earners in the industry. A larger proportion of women and girls employed in 1924 brought the average annual wage down to \$599 as compared with \$776 in 1923, but in 1925 there was an increase in the number of male wage-earners and a sharp decrease in females employed. Thus without material change in the prevailing rates of wages, the average annual wage rose to \$680 within the year.



The number of wage-earners in the carpet industry increased by nearly 80 per cent between 1917 and 1920. The maximum figure, 1,032 wage-earners, attained in that year has not been reached since by the industry. Average annual wages in the carpet industry in 1917 were lower than in any other industry in the woollen textiles group; since 1920 they have been higher than in any other industry in that group.

Higher wages have accompanied a shorter working week in this instance. The average week worked was 52 hours in 1917 and 47.6 hours in 1926, but in the intervening years it has been as low as 47.2 hours. Both hours worked and wages received in the carpet industry compare favourably with prevailing hours and rates of pay in the woollen industry as a whole, as may be seen in Table 55.

Table 55.—Woollen Textiles: Principal Employment Statistics, 1917-1926

	Number of estab- lish- ments	Number of wage- earners	Total wages	Average annual wage	Average working week	Average number of days worked per plant per year
			\$			
1917—Woollen cloth.....	80	5,208	3,404,071	653	55.9	275
Woollen yarns.....	8	479	308,128	643	56.3	238
Carpets.....	11	583	354,235	607	52.0	267
Woollen goods, n.e.s.....	17	308	242,212	786	54.4	.....
All woollen.....	116	6,578	4,308,646	655	55.3	.....
1918—Woollen cloth.....	75	5,203	3,246,928	624	53.8	269
Woollen yarns.....	10	824	454,582	552	55.2	220
Carpets.....	12	556	401,329	722	49.4	267
Woollen goods, n.e.s.....	21	350	296,238	846	51.6	.....
All woollen textiles.....	118	6,933	4,399,077	634	53.1	.....
1919—Woollen cloth.....	77	5,349	3,900,818	729	51.0	272
Woollen yarns.....	10	932	555,585	596	51.7	272
Carpets.....	12	808	610,742	756	50.7	298
Woollen goods, n.e.s.....	23	361	333,490	923	53.5	.....
All woollen textiles.....	122	7,450	5,400,635	725	51.7	.....
1920—Woollen cloth.....	66	5,235	4,604,483	879	50.8	269
Woollen yarns.....	16	1,209	959,063	793	53.1	262
Carpets.....	17	1,032	977,402	947	47.2	267
Woollen goods, n.e.s.....	34	800	756,007	945	50.8	.....
All woollen textiles.....	133	8,276	7,296,955	882	50.9	.....
1921—Woollen cloth.....	69	4,353	3,268,873	751	53.1	265
Woollen yarns.....	16	869	625,777	720	52.9	221
Carpets.....	21	625	589,032	942	47.1	229
Woollen goods, n.e.s.....	33	506	426,854	842	49.4	.....
All woollen textiles.....	139	6,353	4,909,996	773	51.8	.....
1922—Woollen cloth.....	64	4,617	3,559,881	771	50.2	265
Woollen yarns.....	17	1,216	869,017	715	52.3	244
Carpets.....	21	813	792,047	974	48.7	248
Woollen goods, n.e.s.....	35	825	683,531	828	47.3	259
All woollen textiles.....	137	7,471	5,904,476	790	49.9	.....
1923—Woollen cloth.....	66	4,956	3,963,137	799	53.1	264
Woollen yarns.....	19	1,396	1,043,898	726	52.0	245
Carpets.....	23	945	893,055	945	47.2	266
Woollen goods, n.e.s.....	33	967	798,487	826	48.4	258
All woollen textiles.....	141	8,264	6,068,577	807	51.6	.....
1924—Woollen cloth.....	60	4,407	3,414,615	775	52.6	235
Woollen yarns.....	17	1,558	933,052	599	51.7	223
Carpets.....	18	634	559,780	883	47.5	240
Woollen goods, n.e.s.....	31	924	769,352	832	49.8	252
All woollen textiles.....	126	7,623	5,676,799	754	51.3	.....
1925—Woollen cloth.....	57	4,166	3,227,369	774	52.4	242
Woollen yarns.....	16	1,382	940,753	680	51.7	214
Carpets.....	16	711	584,457	822	49.0	266
Woollen goods, n.e.s.....	30	983	737,933	751	49.2	241
All woollen textiles.....	119	7,242	5,485,512	757	51.3	.....
1926—Woollen cloth.....	54	4,361	3,297,545	756	53.3	252
Woollen yarns.....	17	1,376	983,104	714	52.2	239
Carpets.....	17	693	569,548	822	47.6	267
Woollen goods, n.e.s.....	28	993	719,138	724	49.3	237
All woollen textiles.....	116	7,423	5,569,335	750	51.4	.....

Table 56.—Sample Wages and Hours of Labour in the Woollen Textiles Industries, 1920-1926

(Compiled by the Department of Labour)

Occupation	Unit	1920		1921		1922		1923		1924		1925		1926	
		Wages	Hrs per wk.	Wages	Hrs per wk.	Wages	Hrs per wk.	Wages	Hrs per wk.	Wages	Hrs per wk.	Wages	Hrs per wk.	Wages	Hrs per wk.
WOOLEN MANUFACTURING		\$		\$		\$		\$		\$		\$		\$	
Wool Sorters—															
No. 1.....	Week			15 00	55	12 00	55	12 00	55	10 00	55	12 00	55	12 00	55
No. 2.....	Week			21 56	55	21 56	55	22 00	55	22 00	55	22 00	55		
No. 3.....	Hour	0 36	50	0 37	50	0 37	55	0 38	50	0 38	50	0 36	50	0 33	50
No. 4.....	Hour			0 36½	50	0 36	50	0 36	50	0 36	50	0 36	50	0 36	50
No. 5.....	Day	2 70	50	2 88	50	2 50	55	2 50	55	2 50	55	2 50	55		
No. 6.....	Hour			0 45	50	0 32	50	0 32	50	0 32	50	0 32	50	0 32	50
No. 7.....	Day	3 65	55	3 00	55	3 00	55	3 15	55	3 15	55	3 15	55	3 15	55
Carders—															
No. 1.....	Day			3 00	55	2 25	55	2 25	55	2 25	55	2 25	55	2 25	55
No. 2.....	Week			18 00	55	18 00	55	18 00	55	18 00	55	18 00	55	18 00	55
No. 3.....	Week			11 50	55	11 50	55	11 50	55	11 50	55	11 50	55	11 50	55
No. 4.....	Week			16 50	55	13 00	55	13 00	55	12 00	55	10 00	55	10 00	55
No. 5.....	Hour	0 35	50	0 38	50	0 35	50	0 35	55	0 35	50	0 32	50	0 32	50
No. 6.....	Hour			0 33½	50	0 30	50	0 30	50	0 30	50	0 30	50	0 30	50
No. 7.....	Day	3 90	50	3 50	50	3 65	50	3 65	50	3 40	50	3 40	50	3 24	50
No. 8.....	Day	5 00	56	4 50	55	4 50	55	4 50	55	4 50	55	4 50	55	4 50	55
No. 9.....	Day	5 00	55	4 50	55	3 00	55	3 00	55	3 00	55	3 00	55	3 00	55
No. 10.....	Week	20 00	48	18 00	48	18 00	47½	18 00	47½	15 00	47½	15 00	47½	14 50	47½
No. 11.....	Week	33 00	48	30 00	48	25 00	47½	25 00	47½	22 00	47½	22 00	47½	22 00	47½
No. 12.....	Week	30 00	55	18 00	55	18 00	55	18 00	55	18 00	55	20 00	55	18 00	55
No. 13.....	Day	3 50	54	3 00	54	2 75	54	2 75	54	2 75	54	2 75	54	2 75	54
No. 14.....	Day	3 65	55	3 00	55	3 00	55	3 15	55	3 15	55	3 15	55	3 15	55
No. 15.....	Hour			0 44	50	0 32	50	0 32	50	0 32	50	0 32	50	0 32	50
No. 16.....	Hour	0 38	50	0 44	50	0 38	50	0 38	50	0 38	50	0 38	50	0 38	50
Spinners—															
No. 1.....	Day	3 00	55	3 00	55	2 25	55	2 25	55	2 25	55	2 25	55	2 25	55
No. 2.....	Week			20 70	55	20 70	55	21 50	55	21 50	55	21 50	55	21 50	55
No. 3.....	Week			19 70	55	19 70	55	12 10	55	12 10	55	12 10	55	11 50	55
No. 4.....	Week			16 50	55	12 00	55	12 00	55	12 00	55	10 00	55	10 00	55
No. 5.....	Hour	0 16	50	0 18	50	0 18	50	0 18	50	0 18	50	0 17	50	0 17	50
No. 6.....	Hour			0 31	50	0 30	50	0 30	50	0 30	50	0 30	50	0 30	50
No. 7.....	Week	21 45	50	20 35	50	20 00	50	20 00	50	20 00	50	19 50	50	19 50	50
No. 8.....	Day	3 00	50	2 50	50	2 50	50	2 50	50	2 50	50	2 50	50	3 00	50
No. 9.....	Week	20 00	48	24 00	48	22 00	47½	18 00	47½	20 00	47½	17 00	47½	18 00	47½
No. 10.....	Week	38 00	48	35 00	48	35 00	47½	30 00	47½	25 00	47½	25 00	47½	24 00	47½
No. 11.....	Week	22 00	55	22 00	55	18 00	55	18 00	55	18 00	55	20 00	55	20 00	55
No. 12.....	Day	2 75	54	2 75	54	2 75	54	2 75	54	2 75	54	2 75	54	2 75	54
No. 13.....	Day	4 00	55	3 00	55	3 15	55	3 15	55	3 15	55	3 15	55	3 15	55
No. 14.....	Hour	0 33	50	0 30	50	0 22	50	0 21	50	0 21	50	0 21	50	0 25	50
No. 15.....	Hour	0 32½	50	0 30½	50	0 32	50	0 34	50	0 34	50	0 34	50	0 34	50
No. 16.....	Day	4 18	50	3 77	50	3 77	50	3 00	50	3 00	50	3 00	50	3 00	50
No. 17.....	Day	2 59	50	2 33	50	2 33	50	3 00	50	3 00	50	3 00	50	3 00	50
Weavers—															
No. 1.....	Day	3 00	55	2 75	55	2 75	55	2 75	55	2 75	55	2 75	55	2 75	55
No. 2.....	Week	18 00	55	18 00	55	18 00	55	18 00	55	18 00	55	18 00	55	18 00	55
No. 3.....	Week			13 50	55	13 00	55	13 00	55	14 00	55	14 00	55	14 00	55
No. 4.....	Week	18 00	55	15 00	55	15 00	55	15 00	55	19 00	55	20 00	55	18 00	55
No. 5.....	Week	18 00	55	14 24	55	14 00	55	14 00	55	14 00	55	13 00	55	10 00	55
No. 6.....	Week	18 00	55	14 00	55	19 00	55	19 00	55	19 00	55	19 00	55	21 00	55
No. 7.....	Week	19 00	50	17 50	50	14 00	50	14 00	50	15 00	50	15 00	50	15 00	50
No. 8.....	Week	30 00	50	27 50	50	24 00	50	24 00	50	22 00	50	22 00	50	23 00	50
No. 9.....	Week	13 50	47½	13 50	47½	13 00	47½	14 00	47½	13 00	50	13 00	50	13 00	50
No. 10.....	Week			15 40	50	15 00	50	15 00	50	15 00	50	20 00	50	18 00	50
No. 11.....	Week			15 40	50	22 00	50	22 00	50	22 00	50	25 00	50	21 00	50
No. 12.....	Week			15 40	50	10 00	50	9 00	50	10 00	50	14 00	50	14 00	50
No. 13.....	Day	2 75	55	1 75	55	2 00	55	2 50	55	2 25	55	2 25	55	2 30	55
No. 14.....	Day	3 07	55	2 75	55	2 75	55	2 75	50	2 75	50	2 75	50	2 75	50
No. 15.....	Week	36 00	48	25 00	48	25 00	48	24 00	47½	22 00	47½	20 00	47½	20 00	47½
No. 16.....	Hour	0 35	50	0 35	50	0 35	50	0 35	50	0 35	50	0 32	50	0 32	50
Warpers—															
No. 1.....	Day			1 75	55	1 25	55	1 50	55	1 50	58½	1 50	58½	1 40	58½
No. 2.....	Week			10 00	55	9 00	55	9 00	55	9 00	55	9 00	55	9 00	55
No. 3.....	Week			16 50	55	19 25	55	19 25	55	19 25	55	19 25	55	18 00	55
No. 4.....	Hour			0 50	50	0 25	50	0 25	50	0 25	50	0 38	50	0 38	50
No. 5.....	Week	12 60	47½	12 00	47½	12 00	47½	12 00	47½	11 40	47½	11 40	47½	12 65	50
No. 6.....	Hour			0 45	50	0 36	50	0 36	50	0 40	50	0 40	50	0 40	50
No. 7.....	Day	3 00	55	3 00	55	3 00	55	3 00	55	3 00	55	3 00	55	3 00	55
No. 8.....	Hour	0 24	50	0 24	50	0 25	50	0 25	50	0 25	50	0 25	50	0 25	50
No. 9.....	Hour	0 24	50	0 22	50	0 38	50	0 38	50	0 38	50	0 36	50	0 36	50
No. 10.....	Day	3 10	55	3 00	55	3 00	55	3 25	55	3 25	55	3 25	55	3 25	55
No. 11.....	Day	2 85	55	2 50	55	3 00	55	3 00	55	3 15	55	3 15	55	3 00	55
No. 12.....	Day	2 25	54	1 75	54	1 50	54	1 80	54	1 50	54	1 50	54	1 50	54
No. 13.....	Day	2 59	50	2 34	50	2 34	50	2 35	50	2 35	50	2 35	50	2 35	50

**Equipment in Woollen Yarn and Cloth Mills.**—As the Woollen Cloth Mills spin a large part of the yarn used in making their principal product, woollen fabrics, the equipment installed in cloth and yarn mills is given in a common total for the years 1918-26 in Table 57.

It will be noted that spindles, sets of cards and looms, both narrow and broad, have declined in number since 1923. The decline in mule spinning spindles from 114,227 in 1923 to 98,638 in 1926 is most striking; frame-spinning spindles increased slightly during this period, as did doubling and twisting spindles. Broad looms installed numbered 1,645 in 1922 and 1,551 in 1926, while the number of other machines in use in the industry varied but slightly between 1918 and 1926.

**Table 57.—Woollen Yarn and Cloth Industry: Mechanical Equipment, 1918-1926**

	1918	1919	1920	1921	1922	1923	1924	1925	1926
<b>Sets of cards.....</b>	288	344	375	377	352	372	350	338	333
Woolen.....	249	294	322	323	306	310	289	277	325
Worsted.....	21	19	19	21	23	37	37	37	4
Cotton.....	18	31	34	33	23	25	24	24	4
<b>Spindles.....</b>	137,170	149,653	165,578	170,518	171,965	177,042	171,060	167,019	173,197
Woolen.....	97,613	106,621	116,312	116,938	113,781	115,166	108,918	98,981	101,709
Worsted.....	34,929	37,348	43,834	47,926	55,908	59,600	59,866	65,512	67,748
Cotton.....	4,628	5,684	5,432	5,654	2,276	2,276	2,276	2,476	3,740
<b>Mule spinning spindles.....</b>	91,253	102,218	110,574	113,374	111,677	114,227	106,827	101,129	98,638
Woolen.....	91,253	101,162	108,574	108,574	106,877	108,127	100,727	94,093	97,338
Worsted.....				4,800	4,800	4,800	4,800	5,736	
Cotton.....		1,056	2,000			1,300	1,300	1,300	1,300
<b>Frame spinning spindles.....</b>	30,967	32,093	36,733	38,565	40,225	41,757	43,382	44,134	50,782
Woolen.....	1,691	321	1,921	2,317	1,333	1,581	2,042	1,108	558
Worsted.....	25,148	27,644	31,740	31,176	37,216	39,200	40,764	42,450	48,184
Cotton.....	4,128	4,128	3,072	5,072	1,876	976	576	576	2,040
<b>Doubling and twisting spindles.....</b>	14,871	15,342	18,211	18,579	19,463	21,058	24,871	21,756	23,777
Woolen.....	4,669	5,138	5,817	6,047	5,571	5,458	6,149	3,780	2,813
Worsted.....	9,702	9,704	12,094	11,950	13,892	15,600	14,322	17,376	19,564
Cotton.....	500	500	1,360	582	400		400	600	400
<b>Broad looms.....</b>	1,338	1,515	1,724	1,437	1,645	1,579	1,486	1,449	1,551
Woolen.....	1,219	1,364	1,579	1,353	1,530	1,473	1,381	1,333	1,373
Worsted.....	79	85	85	138	111	103	101	106	172
Cotton.....	40	66	60	46	4	3	4	10	6
<b>Narrow looms.....</b>	251	259	246	239	279	503	459	241	282
Woolen.....	153	191	244	129	277	376	349	131	162
Worsted.....	2	2	2	110	2	2	2	2	2
Cotton.....	96	66				125	108	108	118
<b>Hand looms—</b>									
Woolen.....	4	2	2	2	2	5	7	4	6
<b>Wool-combing machines.....</b>	21	20	22	21	22	36	36	38	35
<b>Pickers.....</b>	92	122	124	130	130	130	118	111	112
<b>Garnet machines.....</b>	18	18	23		21	18	21	17	19

**Imports of Wool and Wool Products.**—The quantity and value of imports into Canada of wool and wool products is given in Table 58 for the calendar years 1925 and 1926. It will be noted that the articles classified by the Canadian Customs as "wool and wool products" do not correspond exactly with the products of the "woollen textiles group" of the Census of Industry. The woollen clothing, knit goods, socks and shirts are included in this list of imports, but are not themselves products of the Canadian woollen textile industry. The totals given herewith for imports of woollen goods can not properly be compared with say, the selling value of the product of the domestic woollen industry. The only comparison possible is between the values and quantity of specific articles that happen to appear in both the list of imports and the commodity index of production for the calendar year 1926. In such cases only is an estimate of domestic consumption legitimate.

Total imports of wool and its products were valued at \$49,376,843 in the calendar year 1926, compared with \$46,616,167 in 1925. Raw materials imported, including raw wool, worsted tops, wool noils and wool waste, were valued at \$10,153,687 in 1926 and at \$10,494,804 in 1925; partly manufactured materials, including wool, mohair, alpaca, and worsted yarns, were valued at \$4,073,239 in 1926 and at \$3,788,010 in 1925. Imports of wholly manufactured woollen goods, including carpets, mats and rugs, were valued at \$35,149,917 in 1926 and at \$32,333,348 in 1925.



Table 58.—Chief Imports of Woollen Textiles by Principal Countries, Calendar Years 1925 and 1926

Articles	1925		1926	
	Quantity	Value	Quantity	Value
		\$		\$
<b>Raw materials—</b>				
Wool, raw..... lb.	13,561,169	6,545,476	15,377,725	5,504,219
United Kingdom..... lb.	5,944,833	3,055,660	5,928,813	2,370,710
United States.....	5,299,591	2,317,914	5,375,745	1,855,962
Australia.....	682,780	404,953	523,030	209,317
Argentina.....	647,366	275,343	206,576	59,116
Belgium.....	58,904	42,710	63,348	37,573
British India.....	180,511	73,535	9,400	3,847
British South Africa.....	75,476	42,047	336,295	138,394
France.....	73,320	71,771	45,501	23,006
New Zealand.....	530,833	236,200	2,792,532	706,937
Other countries.....	67,555	25,243	96,485	39,357
Worsted tops..... lb.	4,660,426	3,251,359	7,147,781	4,378,883
United Kingdom.....	4,279,314	2,883,123	6,340,588	3,688,831
United States.....	93,677	60,784	230,407	120,271
Australia.....	102,490	109,559	229,066	250,317
Belgium.....	32,392	28,584	40,235	34,958
France.....	161,553	169,309	298,485	284,506
Wool noils..... lb.	844,922	560,154	328,135	161,274
United Kingdom.....	734,091	488,252	289,417	138,689
United States.....	47,343	22,744	38,718	22,585
Australia.....	55,231	40,644		
Other countries.....	8,257	8,514		
Wool waste..... lb.	477,357	137,815	502,011	109,311
United Kingdom.....	323,414	93,235	362,299	88,454
United States.....	153,943	44,580	137,392	20,463
Other countries.....			2,320	394
<b>Partly manufactured materials—</b>				
Wool yarns..... lb.	2,452,113	3,312,501	3,000,115	3,538,248
United Kingdom.....	2,377,166	3,201,659	2,862,275	3,335,944
United States.....	1,087	2,958	5,352	15,110
Belgium.....	5,059	5,672	26,683	37,703
France.....	68,141	101,352	105,555	149,270
Other countries.....	660	860	250	221
Mohair yarns..... lb.	114,276	165,574	183,479	279,383
United Kingdom.....	91,259	147,111	170,568	268,934
United States.....	23,017	18,463	12,911	10,449
Alpaca yarn..... lb.	37,342	23,878	31,656	19,677
United Kingdom.....	32,412	20,734	30,477	18,998
United States.....	4,930	3,144	1,179	679
Woolen and worsted yarns, dyed, etc..... lb.	1,781	2,241	1,335	1,184
United Kingdom.....	1,762	2,204	1,100	881
United States.....	19	37	235	303
Woolen and worsted yarns, n.o.p..... lb.	192,133	283,816	179,060	234,747
United Kingdom.....	181,005	271,582	170,587	274,891
United States.....	4,576	3,262	4,109	3,630
France.....	6,443	8,828	2,765	3,905
Other countries.....	109	144	1,599	2,321
<b>Wholly manufactured goods—</b>				
Felt cloth, n.o.p..... yd.	18,795	39,025	22,507	52,670
United Kingdom.....	928	2,300	2,185	5,952
United States.....	5,945	15,380	9,167	20,003
Belgium.....	11,497	21,870	11,155	25,815
Other countries.....	425	375		
Flannels, plain..... yd.	770,779	306,210	703,351	303,466
United Kingdom.....	749,070	291,606	604,562	256,381
United States.....	2,556	2,580	4,075	3,785
France.....	19,153	12,024	93,681	42,826
Other countries.....			1,033	474
Fabrics of wool, lustres, etc..... yd.	1,837,324	1,039,454	2,118,210	1,154,608
United Kingdom.....	1,806,278	1,015,537	2,087,117	1,134,521
United States.....	28,357	22,079	10,383	10,220
Other countries.....	2,689	1,838	20,710	9,867
Overcoatings..... yd.	252,788	383,526	261,336	396,223
United Kingdom.....	247,112	369,286	246,337	350,732
United States.....	1,057	3,277	224	372
Other countries.....	4,619	10,963	14,775	45,119
Tweeds..... yd.	3,201,819	3,065,564	3,936,475	3,769,996
United Kingdom.....	3,157,702	2,993,772	3,807,254	3,566,869
United States.....	9,580	21,783	8,592	14,026
France.....	21,313	31,020	70,109	130,145
Netherlands.....	7,080	9,023	18,490	26,055
Other countries.....	6,144	9,966	32,030	32,901
Dress goods, women's, etc..... Sq. yd.	5,531,513	2,643,850	5,085,105	2,199,187
United Kingdom.....	3,807,630	1,711,543	3,051,696	1,273,478
France.....	1,720,038	930,181	2,012,488	916,291
Other countries.....	3,845	2,126	21,013	8,418



Table 58.—Chief Imports of Woollen Textiles by Principal Countries, Calendar Years 1925 and 1926—Continued

Articles	1925		1926	
	Quantity	Value	Quantity	Value
		\$		\$
<b>Wholly manufactured goods—Con.</b>				
Worsted and serges, etc. .... yd.	9,201,298	12,487,601	10,593,681	14,014,676
United Kingdom.....	8,004,119	10,925,001	8,931,407	11,914,028
United States.....	129,899	147,520	93,046	125,844
Belgium.....	9,667	8,656	16,041	16,356
Czecho-Slovakia.....	116,635	190,723	58,461	78,684
France.....	804,570	1,002,284	1,216,138	1,519,181
Germany.....	36,985	87,851	128,487	205,174
Netherlands.....	22,338	34,733	25,294	40,007
Switzerland.....	12,424	17,880	28,684	42,661
Other countries.....	64,661	72,953	96,123	72,741
Blankets, wool..... pr.	127,174	611,709	140,614	632,908
United Kingdom.....	111,552	553,326	122,239	571,337
United States.....	10,885	51,725	14,127	48,786
Other countries.....	4,737	6,658	4,248	12,785
Knitted goods of wool, n.o.p.....		699,517		915,691
United Kingdom.....		638,263		796,054
United States.....		28,990		28,013
France.....		19,799		53,325
Switzerland.....		5,530		9,915
Other countries.....		6,935		28,384
Shawls, wool.....		90,341		75,854
United Kingdom.....		76,194		62,685
United States.....		4,405		4,335
Other countries.....		9,742		8,834
Shirts, wool..... dos.	1,146	16,508		15,489
United Kingdom.....	1,131	16,137	785	15,068
United States.....	15	371	17	421
Socks and stockings, wool..... doz. pr.	548,800	2,543,333	567,781	2,570,029
United Kingdom.....	535,952	2,493,988	542,466	2,456,173
United States.....	12,011	41,262	21,204	84,907
Other countries.....	837	8,083	4,111	28,949
Undershirts and drawers, n.o.p.....		396,994		370,681
United Kingdom.....		376,038		351,949
United States.....		4,466		5,353
Other countries.....		16,490		13,379
Clothing, women's and children's.....		727,216		607,900
United Kingdom.....		209,870		242,443
United States.....		448,569		274,584
France.....		62,374		73,609
Other countries.....		6,403		17,264
Clothing, ready made, n.o.p.....		1,792,397		1,802,496
United Kingdom.....		1,580,356		1,520,779
United States.....		187,239		207,753
France.....		21,365		46,910
Other countries.....		3,437		27,054
Felt, pressed..... lb.	425,888	291,826	823,674	430,529
United Kingdom.....	115,328	77,018	262,955	170,545
United States.....	123,029	93,635	268,366	102,058
Czecho-Slovakia.....	64,544	38,240	121,564	46,331
Germany.....	62,027	50,285	117,579	81,344
Other countries.....	60,960	32,648	53,110	30,251
Cassimeres.....		3,184,689		3,759,062
United Kingdom.....		2,080,692		2,647,588
United States.....		424,597		308,238
Czecho-Slovakia.....		27,843		24,998
France.....		534,163		521,318
Germany.....		38,324		115,694
Switzerland.....		33,317		31,915
Other countries.....		45,753		49,311
Other woollen goods (Prunella cloth, rugs, bed comforters, etc.) ..		67,719		73,348
United Kingdom.....		62,735		65,731
United States.....		3,436		2,918
Other countries.....		1,548		4,699
Carpets, Axminster in rolls..... yd.				
United Kingdom.....	38,818	86,142	52,717	103,356
United States.....	481	1,002	738	1,977
Other countries.....			3,318	6,472
Total.....	39,299	87,144	56,773	111,805
Carpets, Axminster, in squares..... No.				
United Kingdom.....	7,706	192,576	5,609	179,300
United States.....	1,063	34,854	704	31,473
France.....	363	5,322	1,282	15,201
Other countries.....	1,666	22,926	4,392	64,186
Total.....	10,798	255,678	11,987	290,160

Table 58.—Chief Imports of Woollen Textiles by Principal Countries, Calendar Years 1925 and 1926—Concluded

Articles	1925		1926	
	Quantity	Value	Quantity	Value
		\$		\$
Carpets, Brussels and Wilton, in rolls..... yd.				
United Kingdom.....	29,947	48,734	14,350	37,342
United States.....	800	443	1,329	1,943
Other countries.....	480	578	548	981
Total.....	31,227	49,755	16,227	40,266
Carpets, Brussels and Wilton, in squares..... No.				
United Kingdom.....	4,784	145,761	4,284	137,189
United States.....	127	5,319	92	3,857
Germany.....	202	6,249	125	2,451
Other countries.....	393	6,278	672	10,626
Total.....	5,506	162,607	5,173	154,123
Carpets, ingrain 2 and 3 ply, in rolls..... yd.				
United Kingdom.....	5,966	13,069	36,244	46,045
United States.....	491	531	2,380	1,216
Other countries.....	2,881	5,957	2,417	2,962
Total.....	9,338	19,557	41,041	50,223
Carpets, ingrain 2 and 3 ply, in squares..... No.				
United Kingdom.....	2,562	30,111	885	33,868
United States.....	409	13,535	1,488	17,616
France.....	2,056	23,902	641	14,338
Other countries.....	328	12,577	754	14,676
Total.....	5,355	80,125	3,768	80,498
Carpets, oriental and handwoven, in squares..... No.				
United Kingdom.....	7,056	276,383	4,187	188,680
United States.....	1,053	81,795	344	39,328
British India.....	1,160	32,272	1,780	79,662
China.....	1,513	74,660	1,783	74,692
Persia.....	3,047	131,535	2,216	89,893
France.....	404	13,986	162	4,961
Turkey.....	2,844	67,362	4,657	117,823
Greece.....	336	20,551	515	32,585
Other countries.....	180	4,746	399	13,153
Total.....	17,593	703,290	16,043	640,777
Carpets, tapestry and velvet, in rolls..... yd.				
United Kingdom.....	102,357	83,561	68,483	57,412
United States.....	5,255	6,127	6,443	6,382
France.....	7,149	9,871	6,412	7,851
Other countries.....	355	848	26	73
Total.....	115,116	100,407	81,364	71,718
Carpets, tapestry and velvet, in squares..... No.				
United Kingdom.....	5,458	62,705	1,799	30,160
United States.....	121	1,615	246	7,761
Germany.....	4,006	33,099	1,428	18,935
Other countries.....	410	7,563	1,178	14,183
Total.....	9,995	104,982	4,651	71,039
Cocoa carpets, mats, and rugs—value only.				
United Kingdom.....		563		2,349
United States.....		603		563
British India.....		12,307		15,966
Other countries.....		6,815		5,869
Total.....		20,288		24,747
Mats and rugs up to 3' x 6' and runners—				
United Kingdom.....		207,473		247,405
British India.....		6,824		2,524
United States.....		24,518		44,577
France.....		52,389		42,580
Japan.....		37,969		41,738
Other countries.....		31,963		90,924
Total.....		361,136		469,748
Summary of Imports by Total of classes—				
Raw materials.....		10,494,804		10,153,687
Partly manufactured materials.....		3,788,010		4,073,239
Wholly manufactured goods.....		32,333,348		35,149,917
Grand Total Value of Imports.....		46,616,162		49,376,843

**Exports.**—Exports of wool and its products in the calendar years 1925 and 1926 are shown in Table 59. It will be seen that raw wool, valued at \$2,501,558 in 1925, and \$1,323,953 in 1926, constituted approximately five-sixths of the total value of Canadian wool exports. In 1926 the exports of wool and its products dropped nearly 50 per cent, having decreased from \$3,107,411 in 1925 to \$1,632,831 in 1926.

The following estimate of the annual production of wool in Canada will supplement the import and export figures already given:—

Year	Estimated production of wool	Average price per lb.	Value
	lb.	\$	\$
1924.....	15,111,719	0.25	3,774,000
1925.....	15,553,045	0.25	3,961,000
1926.....	17,959,896	0.23	4,131,000

**Table 59.—Export of Wool and Its Products, 1925 and 1926**

Articles and countries	1925		1926	
	Quantity	Value	Quantity	Value
		\$		\$
<b>Wool, raw—</b> lb.				
To United Kingdom.....	110,788	167,528	86,701	22,562
United States.....	6,234,490	2,331,745	4,283,823	1,293,672
Newfoundland.....	4,737	2,060	15,781	7,062
Other Countries.....	593	225	2,217	657
<b>Wool carpets—</b>				
To United Kingdom.....		4,765		2,234
United States.....		5,223		5,056
Newfoundland.....		1,185		581
Other Countries.....		626		1,549
<b>Wool fabrics—</b> yd.				
To United Kingdom.....	3,709	5,735	780	1,345
United States.....	2,175	2,735	4,715	5,714
Newfoundland.....	7,723	14,554	6,696	12,447
Other Countries.....	366	554	1,293	1,466
<b>Woollen underwear—</b>				
To United Kingdom.....		4,275		133
United States.....		2,655		2,094
Newfoundland.....		63,478		42,643
Other Countries.....		4,468		2,294
<b>Wool clothing, n.o.p.—</b>				
To United Kingdom.....		43,654		1,036
United States.....		14,511		11,288
Newfoundland.....		207,071		136,215
Other Countries.....		44,746		31,449
<b>Woolens, n.o.p.—</b>				
To United Kingdom.....		7,071		3,347
United States.....		157,166		34,228
Newfoundland.....		16,617		9,679
Other Countries.....		4,764		3,190
<b>Total.....</b>		<b>3,107,411</b>		<b>1,632,831</b>
<b>Total Wool and its products—</b>				
To United Kingdom.....		233,028		30,657
United States.....		2,514,035		1,352,942
Other Countries.....		360,348		249,232
<b>Total.....</b>		<b>3,107,411</b>		<b>1,632,831</b>
<b>Summary of Exports by classes—</b>				
Raw Materials.....		2,501,558		1,323,953
Manufactured Goods.....		605,853		308,878
<b>Grand total value of exports.....</b>		<b>3,107,411</b>		<b>1,632,831</b>

### THE WOOLLEN YARN INDUSTRY

The woollen yarn industry included in 1926 17 establishments situated in four provinces. Eleven of them were in Ontario, one in Nova Scotia, four in New Brunswick and one in Quebec. Table 60 gives the principal statistics of the industry for Canada, Ontario and other provinces from 1917 to 1926. It will be noted that the number of establishments doubled between 1917 and 1920, and continued to increase until 1923, when a maximum of 19 reported to the Census of Industry. Since that year the number reporting has declined to seventeen. The capital investment in the woollen yarn industry was \$2,783,576 in 1917; \$6,478,991 in 1920; \$9,856,783 in 1924, \$9,041,889 in 1925, and \$8,417,695 in 1926.

The wage and employment statistics for the industry have been presented in the table for the Woollen Textiles Group (Table 55).



It will be noted that the power installed had a capacity of 963 h.p. in 1917, and 5,447 h.p. in 1921, thereafter dropping steadily until in 1926 the total horse-power capacity of the motors and engines used in the industry was only 3,102 h.p., 2,345 h.p. less than in 1921. The cost of materials used, the selling value of the product and the value added by manufacture, are presented in Table 60.

Table 60.—Woollen Yarn Industry: Summary Statistics, 1917-1926

	Estab- lish- ments	Fixed capital	Working capital	Salaried em- ployees	Total salaries	Wage-earners		Total wages	Cost of fuel	Power installed	Cost of materials used	Selling value of product	Value added by manu- facture
						Male	Female						
	No.	\$	\$	No.	\$	No.	No.	\$	\$	H.P.	\$	\$	\$
1917—Canada.....	8	1,109,651	1,673,925	25	29,810	204	275	308,128	19,925	963	2,383,011	3,640,468	1,257,457
Ontario.....	6	1,101,651	1,665,325	23	29,250	202	271	304,997	19,546	925	2,354,906	3,600,848	1,245,942
Other Provinces.....	2	8,000	8,600	2	560	2	4	3,131	379	38	28,105	39,620	11,515
1918—Canada.....	10	1,360,407	2,406,983	34	67,386	316	508	454,582	51,834	1,852	4,311,902	6,499,445	2,187,543
Ontario.....	5	819,940	1,557,653	29	57,849	161	363	294,238	38,952	1,676	2,916,995	4,506,458	1,589,462
Other Provinces.....	5	540,467	849,330	5	9,537	155	145	160,344	12,882	176	1,394,906	1,992,987	598,081
1919—Canada.....	10	2,240,687	2,332,265	52	74,556	364	568	555,585	69,061	2,695	3,844,539	6,195,483	2,350,954
Ontario.....	6	1,512,890	1,409,672	45	65,954	218	436	420,392	56,404	1,583	2,693,929	3,979,100	1,285,171
Other Provinces.....	4	727,797	922,593	7	8,602	146	132	135,193	12,657	1,102	1,150,610	2,216,393	1,065,783
1920—Canada.....	16	3,025,030	3,403,961	51	109,095	581	628	959,063	159,837	4,486	5,399,098	9,153,210	3,754,112
Ontario.....	10	2,153,776	2,504,335	42	102,056	428	495	768,748	120,887	3,013	4,442,961	6,961,073	2,518,112
Other Provinces.....	6	871,254	899,626	9	7,039	153	133	190,315	38,950	1,473	956,137	2,192,137	1,236,000
1921—Canada.....	16	2,675,908	2,819,674	61	135,905	458	411	625,777	129,972	5,447	1,958,193	3,637,861	1,679,668
Ontario.....	9	2,355,258	2,663,079	54	126,691	320	371	514,207	105,209	3,969	1,834,364	3,382,772	1,548,408
Other Provinces.....	7	320,650	156,595	7	9,214	138	40	111,570	24,763	1,478	123,829	255,089	131,260
1922—Canada.....	17	3,127,488	3,729,017	67	146,538	536	680	869,017	101,233	4,573	3,324,348	5,850,344	2,525,996
Ontario.....	12	2,737,090	3,380,399	60	134,285	422	563	714,389	75,569	3,295	2,936,268	4,967,291	2,031,023
Other Provinces.....	5	390,398	348,618	7	12,253	114	117	154,628	25,664	1,368	388,080	883,053	494,973
1923—Canada.....	19	4,455,836	4,823,582	68	157,465	618	778	1,013,898	112,227	5,190	4,333,348	7,405,132	3,071,784
Ontario.....	14	4,008,966	4,483,215	59	137,125	473	639	822,484	88,654	3,822	3,607,315	6,196,444	2,589,129
Other Provinces.....	5	446,870	340,367	9	20,340	145	142	191,414	23,573	1,368	726,033	1,208,688	482,656
1924—Canada.....	17	4,153,869	5,702,914	63	164,899	684	874	933,052	85,835	3,073	4,646,180	6,671,234	2,025,054
Ontario.....	12	3,649,951	5,206,385	56	149,889	440	617	717,356	69,952	2,100	3,863,909	5,551,008	1,687,039
Other Provinces.....	5	503,918	496,529	7	15,010	244	257	215,696	16,883	973	782,211	1,120,226	338,015
1925—Canada.....	16	4,392,254	4,649,638	52	152,325	726	656	940,753	77,647	3,124	4,787,201	7,332,093	2,544,892
Ontario.....	11	3,939,653	4,179,238	49	150,557	462	589	746,272	61,774	2,151	4,080,040	6,129,366	2,049,326
Other Provinces.....	5	452,601	470,400	3	1,768	264	67	194,481	15,873	973	707,161	1,202,727	495,566
1926—Canada.....	17	4,380,317	4,037,378	60	161,467	653	723	983,104	95,399	3,102	4,062,118	7,006,877	2,944,759
Ontario.....	11	3,895,146	3,675,317	53	149,572	436	650	821,500	81,097	2,254	3,405,891	5,734,824	2,328,833
Other Provinces.....	6	485,171	362,061	7	11,895	217	73	161,604	14,302	848	656,227	1,272,053	615,926

**Employment Statistics of the Woollen Yarn Industry.**—Table 61, showing employment by months for the years 1924, 1925 and 1926 as well as the hours worked per day by wage-earners in the month of highest employment in 1926, will supplement the employment statistics already given for all woollen textile industries.

**Table 61.—Woollen Yarn: Employment by Months, 1925-1926**

Months	1925			1926		
	Male	Female	Total	Male	Female	Total
January.....	686	618	1,304	634	659	1,293
February.....	709	627	1,336	616	651	1,267
March.....	715	661	1,376	615	657	1,272
April.....	723	661	1,386	624	666	1,290
May.....	749	639	1,388	635	723	1,358
June.....	743	642	1,385	626	703	1,329
July.....	618	578	1,196	635	716	1,351
August.....	703	643	1,346	636	718	1,354
September.....	725	673	1,398	673	751	1,424
October.....	756	687	1,443	690	788	1,478
November.....	775	698	1,473	688	777	1,465
December.....	771	719	1,490	693	794	1,487
Average.....	726	656	1,382	653	723	1,376

**NUMBER OF WAGE-EARNERS IN MONTH OF HIGHEST EMPLOYMENT 1926 WORKING**

	Eight hours or less per day	Nine hours	Ten hours	Over ten hours	Total
Number.....	125	803	572	49	1,549
Per cent in each group.....	8.1	51.8	36.9	3.2	100

**Equipment in the Woollen Yarn Industry.**—Prior to 1924 equipment installed in woollen yarn and cloth mills was presented in a single table (Table 57). Separate totals for the Woollen Yarn industry are given in Table 62 for 1925 and 1926.

**Table 62.—Equipment Installed in Woollen Yarn Mills, 1925 and 1926**

Kind	Woollen	Worsted	Cotton	Total
<b>1925</b>				
Sets of cards.....	57	18	4	79
Spindles number:				
Mule spinning spindles.....	21,729	936		22,665
Frame spinning spindles.....	5,751	15,084		20,835
Doubling and twisting spindles.....	2,228	6,358		8,586
Broad looms (50 inches reed space or over).....	54			54
Narrow looms (under 50 inches reed space).....	66			66
Wool combing machines.....				14
Pickers.....				31
Garnet machines.....				5
<b>1926</b>				
Sets of cards.....	71	4	4	79
Spindles, number:				
Mule spinning spindles.....	16,254			16,254
Frame spinning spindles.....	201	26,228		26,429
Doubling and twisting spindles.....	528	10,120		10,648
Broad looms (50 inches reed space or over).....	53			53
Narrow looms (under 50 inches reed space).....	100			100
Wool combing machines.....				15
Pickers.....				32
Garnet machines.....				5

**Materials Used.**—The quantity and cost value of the materials used in the woollen yarn industry in the years 1925 and 1926 is presented in Table 63.

The principal products of the industry in the years 1925 and 1926 are given in Table 64. The totals given do not purport to be the total production in Canada of the articles itemized; they are that part of the total production of yarns, carpets, blankets, etc., that is the output of the industries whose principal product is woollen yarn.

**Table 63.—Materials Used in Woollen Yarn Mills, 1925 and 1926**

Kinds of materials	Unit of measure	1925		1926	
		Quantity	Cost value at the factory or mill	Quantity	Cost value at the factory or mill
			\$		\$
Wool, domestic, in condition purchased.....	Pound	374,199	215,377	143,593	41,109
Wool, foreign, in condition purchased.....	"	2,822,690	1,026,247	756,303	279,687
Wool, foreign and domestic, in scoured condition.....	"	272,866	166,855	122,258	72,908
Wool waste and noils.....	"	67,967	36,684	101,851	42,742
Tops.....	"	3,342,366	2,208,138	4,478,790	2,521,197
Shoddy, mungo and wool extract.....	"	358,964	64,919	236,708	41,832
Cotton, raw.....	"	398,559	101,703	505,371	108,393
Tailors' clippings, rags, etc.....	"	513,234	93,038	769,945	107,984
Woollen yarns.....	"	672,981	194,533	771,629	195,175
Worsted yarns.....	"	212,214	179,910	229,616	172,212
Cotton yarns.....	"	58,032	31,127	103,356	38,254
Artificial silk yarns.....	"	3,270	6,558	37,850	54,594
Linen yarns.....	"	63,400	20,873	56,020	14,005
Jute, ramie or other yarns of vegetable fibre.....	"	148,273	17,793	230,370	34,556
Cotton waste.....	"	538,008	120,189	497,898	76,832
Chemicals and dyestuffs (value only).....			184,419		172,316
All other materials (value only).....			118,837		88,322
<b>Total cost of materials.....</b>			<b>4,787,200</b>		<b>4,062,115</b>

**Table 64.—Production of Woollen Yarns, 1925 and 1926**

Articles produced	Unit of measure	1925		1926	
		Quantity	Selling value at mill or factory	Quantity	Selling value at mill or factory
			\$		\$
Cotton yarns.....	Pound	2,163,846	895,429		
Woollen yarns.....	"	787,513	618,711	3,058,739	1,525,353
Worsted yarns.....	"	3,425,221	3,760,842	3,560,569	3,918,390
Wool and worsted tops.....	"	1,623,500	1,025,940	1,070,168	340,000
Wool waste and noils.....	"	341,590	90,861	149,616	44,022
Wool felts for pulp and paper making.....	"	68,428	98,820	67,706	110,826
Carpets, Axminster, etc., cut pile.....	Lineal yd.	62,746	378,350	134,336	540,458
Carpets, tapestry, Brussels, etc.....	"	103,741	226,356	184,441	227,110
Blankets.....	Pound	378,840	173,809		214,891
All other products (value only).....			62,975		85,827
<b>Total value of products.....</b>			<b>7,332,693</b>		<b>7,006,877</b>



## THE WOOLLEN CLOTH INDUSTRY

In 1926 there were 54 firms in Canada engaged in the manufacture of woollen cloth; 41 of these were in Ontario, 8 in Quebec, 3 in Nova Scotia and 2 in New Brunswick. In 1917 there were 57 firms operating in Ontario alone, 14 in Quebec, 8 in Nova Scotia and one in New Brunswick. This steady decrease in the number of establishments has been going on since 1890, when there were 377 woollen mills listed in the Decennial Census of Manufactures. The history of the industry since 1870, is summarized in Table 65.

Since 1917, the capital invested in woollen cloth mills has increased from \$15,450,625 to \$20,735,523 in 1926, despite the smaller number of establishments in operation. This increase in capital investment has been confined to the province of Ontario—for the aggregate capital used in the Maritime Provinces declined from \$917,238 in 1917 to \$625,617 in 1926, while in Quebec the increase was barely perceptible. Capital used in Ontario rose from \$11,947,420 in 1917 to \$17,548,074 in 1926, an increase of 46.9 per cent in ten years.

The number of wage-earners employed in woollen cloth mills was 5,209 in 1917, 5,339 in 1919, 4,354 in 1921, 4,956 in 1923, 4,168 in 1925—the lowest total recorded in the ten years under review, and in 1926, however rose again to 4,361. Between 1917 and 1926 the percentage decrease in the number of wage-earners was 16 p.c. in all Canada, 56 p.c. in the Maritime Provinces, 39 p.c. in Quebec, 7 p.c. in Ontario.

The selling value of products rose with rising prices from 1917 to 1920, fell sharply in 1921 and rose again slowly to \$16,454,875 in 1923. From this figure it dropped to \$15,005,081 in 1924 and rose slightly to \$15,499,376 in 1925, and \$15,503,083 in 1926.

Value added by manufacture, a safer index of the condition of an industry, declined each year from 1922, when it amounted to \$8,371,360, to 1926, when it was \$6,822,779.

Table 65.—Woollen Cloth: Summary Statistics, 1870-1910

—	Establish- ments	Capital	Salaried employ- ees	Salaries	Wage- earners	Wages	Cost of materials used	Selling value of products	Value added by manu- facture
	No.	\$	No.	\$	No.	\$	\$	\$	\$
1870—Canada.....	270	2,776,814			4,453	917,827	3,217,068	5,507,549	2,290,481
Ontario.....	233	2,254,706			3,696	761,934	2,706,243	4,589,119	1,882,876
Other provinces...	37	522,108			757	155,893	510,825	918,430	407,605
1880—Canada.....	1,281	5,272,376			6,877	1,382,859	4,756,593	8,113,055	3,358,462
Ontario.....	993	3,455,539			4,921	1,073,553	3,515,933	6,077,444	2,561,511
Other provinces...	288	1,816,837			1,956	309,306	1,240,660	2,035,611	794,951
1890—Canada.....	377	9,357,658			7,156	1,884,483	4,037,767	8,087,871	4,050,104
Ontario.....	303	6,414,540			5,191	1,374,193	2,910,562	5,873,685	2,963,123
Other provinces...	74	2,943,118			1,965	510,290	1,127,205	2,214,186	1,086,981
1900—Canada.....	157	10,486,198	407	241,987	6,388	1,724,333	3,799,302	7,359,541	3,560,239
Ontario.....	117	5,906,861	282	221,525	4,042	1,093,009	2,409,220	4,656,871	2,247,651
Other provinces...	40	4,579,337	125	120,462	2,346	631,324	1,390,082	2,702,670	1,312,588
1910—Canada.....	87	7,657,761	245	247,797	4,267	1,374,898	3,154,013	5,738,773	2,584,760
Ontario.....	68	4,854,254	176	174,040	2,932	1,000,740	2,193,151	4,017,316	1,824,165
Other provinces...	19	2,803,507	69	73,757	1,335	374,158	960,862	1,721,457	760,595

Table 66.—Woollen Cloth Industry: Summary Tables, by Provinces, 1917-1926

—	Estab- lish- ments	Fixed capital	Working capital	Salaried em- ployees	Total salaries	Wage-earners		Total wages	Cost of fuel	Power installed		Cost of materials	Selling value of products	Value added by manu- facture
						Male	Female			Units	H.P.			
	No.	\$	\$	No.	\$	No.	No.	\$	\$			\$	\$	\$
1917—Canada.....	80	5,705,479	9,645,146	248	389,237	2,589	2,620	3,404,071	307,022	191	12,583	11,807,969	18,647,576	6,839,607
Maritimes.....	9	277,445	639,793	18	17,797	194	143	145,866	29,016	9	578	725,424	1,129,913	404,489
Quebec.....	14	1,163,649	1,322,318	38	64,102	440	597	379,073	35,070	28	2,556	1,761,565	2,690,542	928,977
Ontario.....	57	4,264,385	7,683,035	192	307,338	1,955	1,880	2,879,332	242,936	154	9,440	9,320,980	14,827,121	5,506,141
1918—Canada.....	75	6,103,991	13,164,241	260	515,394	2,577	2,626	3,246,928	414,560	264	12,826	15,301,374	25,063,515	9,762,141
Maritimes.....	6	242,658	702,147	14	16,248	192	143	171,200	19,108	8	528	1,015,396	1,812,379	796,983
Quebec.....	11	1,066,935	1,524,295	32	58,055	296	392	311,309	49,540	26	2,115	1,230,211	2,117,133	886,922
Ontario.....	58	4,794,366	10,937,799	214	441,091	2,089	2,091	2,764,419	345,812	230	9,623	13,055,767	21,134,003	8,078,236
1919—Canada.....	77	8,171,649	13,545,577	277	633,739	2,734	2,615	3,900,818	398,252	364	12,575	15,437,410	28,082,977	12,645,567
Maritimes.....	9	347,620	964,484	20	29,556	180	139	196,836	26,929	10	469	823,250	1,895,450	1,072,200
Quebec.....	12	1,232,271	1,893,870	41	76,317	312	402	413,684	67,654	32	2,429	1,978,518	3,424,970	1,446,452
Ontario.....	56	6,591,758	10,687,223	216	527,866	2,242	2,074	3,290,298	303,669	322	9,677	12,635,642	22,762,557	10,126,915
1920—Canada.....	66	10,094,489	12,688,639	299	782,213	2,770	2,459	4,604,483	532,650	328	11,256	14,720,413	28,018,565	13,298,152
Maritimes.....	7	509,766	1,240,917	28	65,866	204	176	267,688	37,157	13	643	1,174,264	1,944,910	770,646
Quebec.....	10	690,010	1,009,940	32	64,997	264	306	384,631	60,749	29	1,533	1,177,447	2,491,150	1,313,703
Ontario.....	49	8,894,713	10,437,782	239	651,350	2,308	1,977	3,952,164	434,744	286	9,080	12,368,702	23,582,505	11,213,803
1921—Canada.....	69	10,746,073	12,132,757	292	689,270	2,373	1,981	3,268,873	380,989	545	13,310	6,329,677	13,696,300	7,366,623
Maritimes.....	8	568,865	1,225,509	35	46,614	157	115	172,578	33,511	18	664	390,852	851,478	460,626
Quebec.....	12	734,014	994,984	37	71,544	255	296	374,131	52,334	34	1,830	749,812	1,536,506	786,694
Ontario.....	49	9,445,194	9,912,264	220	571,112	1,961	1,570	2,722,164	295,144	493	10,916	5,189,013	11,308,316	6,119,303
1922—Canada.....	64	9,961,492	10,885,010	308	684,678	2,464	2,153	3,559,881	438,470	722	12,274	7,039,177	15,410,537	8,371,360
Maritimes.....	7	563,968	1,180,957	32	49,054	130	137	160,768	38,655	22	586	324,405	753,408	429,003
Quebec.....	11	743,050	1,021,227	37	68,167	280	292	356,458	50,422	39	1,770	522,377	1,372,963	850,586
Ontario.....	46	8,654,474	8,682,826	239	567,457	2,054	1,724	3,042,655	349,393	661	9,918	6,192,395	13,284,166	7,091,771
1923—Canada.....	66	11,113,663	11,413,475	353	763,810	2,647	2,309	3,963,137	474,705	575	12,642	8,564,356	16,454,875	7,890,519
Maritimes.....	9	530,126	1,103,534	32	44,727	159	159	162,666	41,209	27	595	312,480	703,762	391,282
Quebec.....	11	1,509,939	1,085,028	43	89,008	248	280	443,246	53,387	53	1,723	643,361	1,517,296	873,935
Ontario.....	46	9,073,598	9,224,913	278	629,985	2,240	1,970	3,357,225	380,109	495	10,324	7,608,515	14,233,817	6,625,302
1924—Canada.....	60	11,778,713	10,773,168	283	710,535	2,341	2,067	3,414,615	323,472	738	13,017	8,392,939	15,005,081	6,612,142
Maritimes.....	6	392,915	351,468	26	34,215	92	87	109,891	13,154	10	513	250,208	440,691	190,483
Quebec.....	9	1,530,856	1,107,410	32	62,647	282	311	398,174	44,474	60	1,818	1,091,867	1,698,303	606,436
Ontario.....	45	9,854,942	9,314,290	225	613,673	1,967	1,669	2,906,550	265,844	668	10,686	7,050,864	12,866,087	5,815,223
1925—Canada.....	57	11,448,001	9,894,908	260	684,897	2,135	2,033	3,227,369	319,760	584	11,388	9,415,211	15,499,326	6,084,115
Maritimes.....	5	331,795	336,772	31	29,931	76	74	90,601	12,377	9	468	253,295	458,039	204,744
Quebec.....	10	1,621,371	924,839	31	88,138	294	338	390,917	45,267	71	2,006	1,388,541	2,058,704	670,163
Ontario.....	42	9,494,835	8,633,297	198	566,928	1,765	1,619	2,745,851	262,122	504	8,914	7,773,375	12,982,583	5,209,208
1926—Canada.....	54	11,679,546	9,055,977	314	675,749	2,285	2,076	3,297,545	320,242	647	12,238	8,680,304	15,503,083	6,822,779
Maritimes.....	5	310,829	314,788	24	26,424	81	68	90,139	15,571	11	437	224,734	428,148	203,414
Quebec.....	8	1,595,846	965,986	25	63,215	291	343	397,689	51,032	70	2,605	1,154,383	1,760,347	605,964
Ontario.....	41	9,772,871	7,775,203	265	586,110	1,913	1,665	2,809,717	253,639	566	9,196	7,301,187	13,314,588	6,013,401

Includes one establishment in British Columbia.

**Employment and Hours of Labour.**—Average annual wages, average working week, average number of days operated by plant during year, etc., for the years 1917-26, will be found in Table 55, Principal Employment Statistics of the Woollen Textile Industries.

Employment by months in the years 1925 and 1926 shows no noteworthy seasonal slackness or intensity of employment in the industry.

Of all the wage-earners employed in this industry in 1926, only 6 throughout Canada worked 8 hours or less per day, while 62.1 p.c. worked 9 hours and 37.7 p.c. worked 10 hours and over. In Ontario 75 p.c. of the wage-earners worked 9 hours and 22.9 per cent worked 10 hours per day. In Quebec, however, all wage-earners worked 10 hours per day or over, as is shown in Table 67b.

**Table 67.—Woollen Cloth Industry: Employment by Months, 1925-1926, and Hours Worked per Day in Month of Highest Employment, 1926**

Months	1925			1926		
	Male	Female	Total	Male	Female	Total
January.....	2,029	1,951	3,980	2,223	1,980	4,203
February.....	2,076	2,004	4,080	2,183	1,952	4,135
March.....	2,158	2,111	4,269	2,152	1,972	4,124
April.....	2,142	2,134	4,276	2,218	2,014	4,232
May.....	2,137	2,093	4,230	2,251	2,035	4,286
June.....	2,151	1,996	4,147	2,303	2,097	4,400
July.....	2,171	2,010	4,181	2,317	2,141	4,458
August.....	2,182	1,980	4,162	2,380	2,142	4,522
September.....	2,111	1,994	4,105	2,338	2,126	4,464
October.....	2,109	2,015	4,124	2,309	2,130	4,439
November.....	2,152	2,046	4,198	2,307	2,073	4,380
December.....	2,110	1,999	4,109	2,253	2,026	4,279
Average.....	2,135	2,031	4,166	2,285	2,076	4,361

**Table 67b.—Hours Worked per Day in Months of Highest Employment, 1926**

Number of wage-earners working	Eight hours or less	Nine hours	Ten hours	Over ten hours	Average number of hours worked per week
Canada.....	6	2,981	1,706	108	53.5
Per cent.....	0.2	62.1	35.5	2.2	
Quebec.....			637	31	55.7
Per cent.....			95.4	4.6	
Ontario.....	6	2,977	907	77	53.0
Per cent.....	0.2	75.0	22.9	1.9	
Maritime Provinces.....		4	162		53.6
Per cent.....		2.4	97.6		

**Mechanical Equipment.**—The mechanical equipment of the woollen cloth mills of the Dominion in 1924-26 is shown in table 68.

**Table 68.—Equipment Installed in Woollen Cloth Mills, 1924-1926**

NUMBER OF SPINDLES AND LOOMS OPERATING IN 1924-1926

Spindles and looms	Woollen	Worsted	Shoddy	Cotton	Mohair	Total
	No.	No.	No.	No.	No.	No.
<b>1924</b>						
Mule spinning spindles.....	82,458			1,300		83,758
Frame spinning spindles.....	1,891	19,928		576		22,395
Doubling and twisting spindles.....	5,626	6,278		400		12,304
Broad looms (50-inch reed space or over).....	1,306	101		4	21	1,432
Narrow looms (under 50-inch reed space).....	283	2		108		393
Hand looms.....	7					7
<b>1925</b>						
Mule spinning spindles.....	77,164			1,300		78,464
Frame spinning spindles.....	957	21,776		576		23,309
Doubling and twisting spindles.....	3,452	9,118		600		13,170
Broad looms (50-inch reed space or over).....	1,269	106		10	10	1,395
Narrow looms (under 50-inch reed space).....	65	2		108		175
Hand looms.....	4					4
<b>1926</b>						
Mule spinning spindles.....	81,064			1,300		82,364
Frame spinning spindles.....	357	21,956		2,040		24,353
Doubling and twisting spindles.....	3,285	9,444		400		13,129
Broad looms (50-inch reed space or over).....	1,320	172		6		1,498
Narrow looms (under 50-inch reed space).....	62	2		118		182
Hand looms.....	6					6

SETS OF CARDS

Year	Under 40 inches wide	40 inches	44 inches	48 inches	50 inches	54 inches	60 inches	66 inches	72 inches	Total
1924.....	24	36	13	89	3	12	91	5	14	268
1925.....	5	38	12	81	5	12	83	5	18	259
1926.....	8	31	12	84	10	2	83	5	19	254

THE NUMBER OF CYLINDERS TO EACH SET OF CARDS

Year	1 cylinder	2 cylinders	3 cylinders	4 cylinders	5 cylinders	6 cylinders	7 cylinders	Total
1924.....	24	10	148	70	11	5		268
1925.....	22	35	129	52	15	6		259
1926.....	20	6	157	47	16	6	2	254

OTHER EQUIPMENT

	1924	1925	1926
Wool combing machines.....	22	24	20
Pickers.....	87	80	80
Garnet machines.....	16	12	14



**Materials and Products.**—The materials used and the products of the woollen cloth mills of Canada in 1925 and 1926 are shown in tables 69 and 70.

**Table 69.—Materials Used in Woollen Cloth Mills, 1925 and 1926**

Classes of materials	Unit of measure	1925		1926	
		Quantity	Cost value at mill or factory	Quantity	Cost value at mill or factory
			\$		\$
Wool, domestic, in condition purchased.....	Pounds	2,124,210	889,868	1,779,808	588,915
Wool, foreign, in condition purchased.....	"	4,382,317	2,127,883	5,679,336	2,224,936
Wool, foreign and domestic, in scoured condition.....	"	2,187,699	1,283,968	2,155,568	1,046,694
Mohair.....	"	117,743	166,424		
All other animal hair.....	"	115,608	39,021	66,945	16,139
Tailor's clippings, rags, etc.....	"	1,001,738	91,567	776,738	88,920
Cotton, raw.....	"	652,740	147,795	543,253	93,625
Shoddy, mungo and wool extract.....	"	1,950,304	377,720	2,130,871	335,030
Wool waste and noils.....	"	1,434,344	732,230	1,066,981	324,558
Morino yarns (cotton mixed).....	"	27,285	29,751	12,300	16,108
Tops.....	"	1,475,661	1,108,172	1,665,405	1,097,807
Woollen yarns.....	"	3,236	1,729	90,525	68,501
Worsted yarns.....	"	400,936	764,837	818,177	1,171,298
Cotton yarns.....	"	557,258	313,826	655,048	324,752
Silk yarns.....	"	7,749	37,129	3,487	26,980
Silk waste.....	"	67,030	39,367	111,077	52,355
Cotton waste.....	"	168,204	51,811	54,913	10,587
Jute, ramie, and other yarns of vegetable fibre.....	"	564	86		
Silk and artificial silk yarns.....				7,474	17,738
Chemicals and dyestuffs (value only).....			408,825		406,340
All other materials (value only).....			803,202		769,021
<b>Total cost of materials.....</b>			<b>9,415,211</b>		<b>8,690,394</b>

Table 70.—Production of Woollen Cloth Mills in Canada, 1925 and 1926

Class of Products	1925					1926				
	All wool woven goods		Union goods (cotton mixed)	Goods woven on cotton warp- with weft wholly of wool worsted, etc.	Selling value at the factory or mill	All wool woven goods		Union goods (cotton mixed)	Goods woven on cotton warp- with weft wholly of wool worsted, etc.	Selling value at the factory or mill
	Woollen	Worsted				Woollen	Worsted			
	yards	yards	yards	yards	\$	yards	yards	yards	yards	\$
Cashmeres, chevots, tweeds, flannel, etc., men's wear.....	1,086,202	.....	698,557	403,272	1,569,550	1,099,382	521,732	565,708	267,941	2,507,754
Overcoatings, cloakings, etc., for men's or women's wear.....	1,414,627	.....	.....	.....	2,039,587	2,256,303	15,804	801	.....	3,638,037
Coatings, serges and suitings, men's wear.....	95,098	450,985	.....	857,296	2,952,418	408,297	778,012	1,703	.....	2,472,302
Dress goods, sackings, tricots, etc., for women's wear.....	680,785	306,192	260,000	.....	1,605,615	478,719	73,177	.....	8,236	663,396
Flannels for underwear.....	660,644	.....	314,649	.....	819,365	.....	.....	361,976	.....	123,072
Blankets.....	137,309	.....	.....	.....	107,976	.....	.....	.....	.....	597,161
Jersey cloth and stockinette.....	30,825	.....	.....	.....	70,059	53,175	.....	.....	.....	67,379
Blanket cloth.....	19,934	.....	.....	.....	27,264	.....	.....	.....	.....	23,394
Mackinaw cloth.....	703,293	.....	.....	.....	900,154	640,144	.....	.....	.....	773,017
Velours and plushes.....	335,243	.....	.....	241,856	1,141,818	163,660	.....	265,000	.....	872,737
Astrakans and similar goods.....	.....	.....	.....	.....	4,374	.....	.....	.....	.....	7,217
Auto cloths.....	303,117	.....	.....	.....	597,706	180,619	.....	.....	.....	203,621
Cotton yarn.....	.....	.....	pounds	158,145	68,542	.....	.....	pounds	238,467	71,354
Woollen yarns.....	.....	.....	"	1,340,707	879,865	.....	.....	"	1,076,050	623,968
Worsted yarns.....	.....	.....	"	947,496	880,854	.....	.....	"	1,279,669	1,109,253
Blankets.....	.....	.....	"	611,621	430,886	.....	.....	.....	.....	.....
Blankets.....	.....	.....	pairs	3,250	20,664	.....	.....	.....	.....	.....
Sheeting.....	.....	.....	yards	2,069	1,995	.....	.....	yard	10,797	11,025
Wool felts for pulp and paper making.....	.....	.....	pounds	38,508	113,492	.....	.....	pounds	67,680	129,541
Carriage robes, rugs and cloths.....	.....	.....	yards	11,284	22,655	.....	.....	.....	.....	422,706
Horse blankets and saddle blankets.....	.....	.....	yards	29,630	35,578	.....	.....	.....	.....	34,587
Shawls.....	.....	.....	yards	2,715	42,448	.....	.....	.....	.....	32,845
Sweaters.....	.....	.....	number	19,257	455,693	.....	.....	.....	.....	548,465
Fancy knit goods.....	.....	.....	dozen	20,056	160,539	.....	.....	.....	.....	154,494
Hosiery.....	.....	.....	"	17,530	65,662	.....	.....	.....	.....	59,165
Glove, shoe and other linings.....	.....	.....	yards	53,335	34,668	.....	.....	.....	.....	71,929
All other products.....	.....	.....	.....	.....	341,018	.....	.....	.....	.....	102,520
Custom work.....	.....	.....	.....	.....	113,655	.....	.....	.....	.....	122,144
<b>Total selling value of products.....</b>	.....	.....	.....	.....	<b>15,499,326</b>	.....	.....	.....	.....	<b>15,503,083</b>

# CARPETS, MATS AND RUGS

In 1926 there were 17 concerns reporting to the Census of Industry, making carpets, rugs or matting as their principal product. Twelve were located in Ontario, 2 in British Columbia, 1 in New Brunswick, 1 in Saskatchewan and 1 in Alberta. The principal statistics of the industry since 1917 are presented in Table 71 for Canada, Ontario and Other Provinces.

Table 71.—Carpet, Mat and Rug Industry: Summary Statistics, 1917-1926

	Establish- ments	Fixed capital	Working capital	Salaried em- ployees	Total salaries	Wage-earners		Total wages	Cost of fuel	Power installed	Cost of material used	Selling value of product	Value added by manu- facture
						M.	F.						
						No.	No.						
	No.	\$	\$	No.	\$	No.	No.	\$	\$	h.p.	\$	\$	\$
1917—Canada	11	1,335,807	1,372,148	65	92,000	362	221	354,235	73,404	1,992	899,104	1,371,809	472,705
Ontario	8	1,324,317	1,361,384	60	86,367	345	216	346,612	73,065	1,978	893,401	1,340,071	446,610
Other provinces	3	11,190	10,764	5	5,633	17	5	7,623	339	14	5,643	31,738	26,095
1918—Canada	12	1,210,448	1,686,494	54	69,261	351	205	401,329	44,318	752	1,187,187	2,065,665	878,478
Ontario	9	1,198,169	1,683,396	52	66,593	345	196	395,381	43,919	728	1,178,687	2,039,784	861,097
Other provinces	4	12,279	3,098	2	2,668	6	9	5,948	399	24	8,500	25,881	17,381
1919—Canada	12	1,350,445	1,421,215	99	160,456	542	266	610,742	73,730	2,661	2,018,797	3,374,176	1,355,379
Ontario	9	1,343,213	1,418,528	99	160,456	532	256	602,791	73,350	2,637	2,016,984	3,349,364	1,332,380
Other provinces	3	7,232	2,687	—	—	10	10	7,951	380	24	1,813	24,812	22,999
1920—Canada	17	1,414,232	1,992,762	186	327,920	681	351	977,402	91,242	1,844	2,305,331	4,467,882	2,162,551
Ontario	13	1,404,215	1,986,748	182	321,255	660	348	966,925	90,805	1,815	2,299,889	4,433,640	2,135,751
Other provinces	4	10,017	6,014	4	6,665	12	3	10,477	437	29	5,442	34,242	28,800
1921—Canada	21	1,290,971	1,276,174	109	228,694	446	179	589,032	96,993	2,422	1,329,060	3,301,921	1,972,855
Ontario	15	1,270,596	1,272,349	106	222,424	432	177	576,789	96,379	2,397	1,327,093	3,266,837	1,939,744
Other provinces	6	20,381	3,825	3	5,770	14	2	12,243	614	25	1,967	35,084	33,111
1922—Canada	21	1,311,320	1,639,909	89	186,038	574	236	792,047	52,416	1,547	1,468,725	3,470,402	2,001,677
Ontario	15	1,288,637	1,636,518	84	179,042	560	232	780,377	51,848	1,532	1,466,253	3,438,207	1,971,954
Other provinces	6	22,683	3,391	5	6,996	14	4	11,670	568	15	2,472	32,195	29,723
1923—Canada	23	1,489,196	2,641,286	86	154,768	660	285	893,055	56,686	1,522	1,638,149	3,808,914	2,170,765
Ontario	17	1,476,174	2,638,326	81	147,601	649	282	881,578	56,024	1,484	1,635,586	3,771,007	2,135,421
Other provinces	6	13,022	2,960	5	7,167	11	3	11,477	662	38	2,563	37,907	35,344
1924—Canada	18	1,557,893	3,180,527	195	285,131	453	181	559,780	43,580	1,853	1,122,151	2,725,779	1,603,628
Ontario	13	1,540,611	3,176,566	190	277,591	440	179	548,064	43,254	1,821	1,118,918	2,689,920	1,571,002
Other provinces	5	17,282	3,961	5	7,540	13	2	11,716	326	32	3,233	35,859	32,626
1925—Canada	16	1,648,560	2,432,245	150	309,386	486	225	584,457	51,353	2,982	1,432,494	2,905,251	1,472,757
Ontario	11	1,631,791	2,428,056	145	301,870	474	223	573,092	50,893	2,948	1,429,932	2,874,962	1,445,030
Other provinces	5	16,769	4,289	5	7,516	12	2	11,365	460	34	2,562	30,289	27,727
1926—Canada	17	1,643,359	2,393,824	135	273,487	483	210	569,548	77,817	3,026	1,515,052	3,152,800	1,637,748
Ontario	12	1,626,663	2,382,196	130	265,892	471	208	559,045	77,452	2,592	1,512,698	3,122,559	1,609,861
Other provinces	5	16,696	11,628	5	7,595	12	2	10,503	365	434	2,354	30,241	27,887

The number of establishments increased from 11 in 1917 to 23 in 1923 and fell to 17 in 1926. The capital invested was \$2,707,955 in 1917, increasing steadily until 1924, when it amounted to \$4,738,420. In 1925 it was \$4,080,905, \$657,515 less than in 1924, with another slight decrease of \$43,722 in 1926 to \$4,037,183.

The 11 concerns operating in 1917 employed 648 persons, salaried employees and wage-earners; 17 concerns in 1920 employed 1,218 persons. In 1921 the total fell to 734; by 1923 it had risen to 1,031 and in 1925 it stood at 861, 70·8 per cent of the maximum average annual employment recorded in 1920. In 1926 there was a further decrease of 33 bringing the total to 828 or a decrease of 2·71 p.c. from the maximum annual employment of 1920.

Value added by manufacture was greater in 1923 than in any previous year since the inception of the annual census; subsequent years have not approached the record of \$2,170,765 set in 1923. In 1924 the value added by manufacture was \$1,603,628, in 1925 \$1,472,757, 32·3 per cent less than in the peak year 1923. In 1926 it had risen again to \$1,637,748 or an increase of 11·2 per cent over that of 1925.

**Employment and Hours of Labour, etc.**—The principal employment statistics for the carpet industry will be found in "The Employment Statistics Woollen Textile Industries." The data there given is supplemented by the table following, in which are given the monthly employment totals for the years 1924-25-26 and the hours worked per day by wage-earners in the month of highest employment, 1925 and 1926.

The mechanical equipment of the industry and its products in 1924, 1925 and 1926 are shown in Tables 73 and 74.

**Table 72.—Carpets, Mats and Rugs: Employment by Months, 1924-25-26, and Hours Worked per Day in Month of Highest Employment, 1925 and 1926**

	1924			1925			1926		
	Male	Female	Total	Male	Female	Total	Male	Female	Total
January.....	511	202	713	474	229	703	480	214	694
February.....	515	201	716	514	221	735	484	206	690
March.....	509	180	689	517	222	739	466	196	662
April.....	485	182	667	503	221	724	468	194	662
May.....	462	188	650	489	227	716	465	199	664
June.....	457	184	641	490	223	713	496	212	708
July.....	455	179	634	497	230	727	492	211	703
August.....	440	174	614	474	222	696	482	213	695
September.....	375	159	534	456	215	671	443	200	643
October.....	385	167	552	453	214	667	474	205	679
November.....	404	175	579	483	221	704	490	229	719
December.....	433	182	615	489	222	711	506	240	746
Average.....	453	181	634	486	225	711	478	210	688

**NUMBER OF WAGE-EARNERS IN MONTH OF HIGHEST EMPLOYMENT, WORKING PER DAY OF**

	Eight hours or less	Nine hours	Ten hours	Over ten hours	Total
<b>1925</b>					
Number.....	36	671	78	2	787
Per cent.....	5	85	10	.....	100
<b>1926</b>					
Number.....	45	645	88	2	780
Per cent.....	6	83	11	.....	100

**Table 73.—Equipment Installed in the Carpet, Mat and Rug Industry**

	1924	1925	1926
Broad looms (50 inches reed space or over).....	45	32	46
Narrow looms (under 50 inches reed space).....	236	253	284
Other looms.....	26	26	14
Coppers.....	4	4	4
Winders.....	3	3	3
Twisters.....	4	4	4
Braiders.....	3	4	3
Knitting machines.....	17	23	23
Sewing machines.....	8	9	9



Table 74.—Production of Carpets, Mats and Rugs, 1924-1926

Articles manufactured	1924		1925		1926	
	Quantity	Value	Quantity	Value	Quantity	Value
		\$		\$		\$
1. Carpets, Axminster, Wilton, etc..... cut pile	226,159	736,471	295,662	897,992	301,767	945,042
2. Tapestry, Brussels, etc..... uncut pile	77,362	101,745	20,785	30,654	80,312	78,281
3. Rugs, woven whole—						
Axminster, Wilton, etc..... cut pile	496,998	1,265,460	514,583	1,275,016	626,915	1,419,545
4. Tapestry, Brussels, etc..... " "	40,585	71,209	27,816	46,521	111,352	229,695
5. Other woollen or worsted rugs..... No.	70,855	159,404	103,209	209,358	20,029	60,355
6. Cocoa mats and matting.....		110,825		17,550		19,800
7. All other mats and rugs.....		118,220		189,594		204,594
8. All other products.....		162,445		238,566		195,488
Total.....		2,725,779		2,905,251		3,152,800

## WOOLLEN GOODS, N.E.S.

Woollen Goods not included under the categories of yarn, cloth and carpets are combined in a single miscellaneous grouping. The industries comprising "Woollen Goods, N.E.S.," are wool pulling and scouring, shoddy and felt making, the manufacture of spats, gaiters, etc., and unspecified woollen articles.

The principal statistics given in Table 75 show in summary form the growth of these allied industries since 1917. Owing to the diverse character of the business here combined it is impossible to treat this group as a single industry. As most of the articles made are products of one or two concerns, no itemized production statistics are possible. Numbers employed, average annual wages, average weekly hours of work, etc., will be found in Table 55, Woollen Textiles: Principal Employment Statistics.

The mechanical equipment and materials used in these industries in the years 1924, 1925 and 1926 are given in Tables 76 and 77.

Table 75.—Woollen Goods, N.E.S.: Summary Statistics, 1917-1926

	Estab- lish- ments	Fixed capital	Working capital	Salaried employ- ees	Total salaries	Wage-earners		Total wages
	No.	\$	\$	No.	\$	Male	Female	\$
	No.	\$	\$	No.	\$	No.	No.	\$
1917.....	17	631,190	895,601	34	76,515	283	25	242,212
1918.....	21	867,779	1,213,294	52	104,176	325	25	296,238
1919.....	23	1,061,713	1,739,884	77	162,470	340	21	333,490
1920.....	34	3,036,350	3,348,852	154	298,250	557	243	756,007
1921.....	33	2,601,716	1,743,344	111	222,090	295	211	426,354
1922.....	35	4,168,031	2,290,113	115	268,814	462	363	683,531
1923.....	33	4,514,746	2,696,431	119	310,129	544	423	798,487
1924.....	31	4,485,909	3,491,335	100	259,917	513	411	769,352
1925.....	30	4,799,354	3,050,148	96	274,850	698	285	737,933
1926.....	28	5,051,441	2,942,759	87	259,106	668	325	719,138

	Cost of fuel	Power installed	Cost of materials used	Selling value of products	Value added by manufacture
	\$	h.p.	\$	\$	\$
1917.....	29,625	1,512	1,774,827	3,050,714	1,275,887
1918.....	416,066	1,760	2,952,977	4,020,816	1,067,839
1919.....	51,720	2,541	4,349,841	5,602,103	1,252,262
1920.....	110,609	3,810	4,246,014	6,869,900	2,623,896
1921.....	59,298	5,017	1,495,304	2,845,778	1,350,474
1922.....	79,035	5,001	2,027,720	4,331,468	2,303,739
1923.....	90,184	4,761	3,141,429	5,803,166	2,661,738
1924.....	73,393	4,963	3,163,939	5,773,042	2,609,103
1925.....	68,564	5,062	3,141,761	5,513,230	2,371,469
1926.....	39,448	5,598	2,947,112	5,738,462	2,791,350

Table 76.—Equipment in Woollen Textile Mills, N.E.S., 1924, 1925 and 1926

Kind	Woollen	Shoddy	Cotton	Total
1924	No.	No.	No.	No.
Sets of cards.....	28	31	4	63
Spindles—				
Mule spinning spindles.....	2,340			2,340
Franc spinning spindles.....	150			150
Doubling and twisting spindles.....	40			40
Broad looms (50 inches reed space or over).....	51			51
Pickers.....				37
Garnet machines.....				11
1925				
Sets of cards.....	28	21	4	53
Spindles—				
Mule spinning spindles.....	2,660			2,660
Franc spinning spindles.....	150			150
Doubling and twisting spindles.....	40			40
Broad looms (50 inches reed space or over).....	51			51
Pickers.....	33			33
Garnet machines.....	12			12
1926				
Sets of cards.....	23	20		52
Spindles—				
Mule spinning spindles.....	2,660			2,660
Franc spinning spindles.....	150			150
Doubling and twisting spindles.....	40			40
Broad looms (50 inches reed space or over).....	51			51
Pickers.....	33			33
Garnet machines.....	11			11

Table 77.—Materials Used in the Woollen Goods, N.E.S. Industry, 1924-1926

Kind	1924		1925		1926	
	Quantity	Cost value at mill	Quantity	Cost value at mill	Quantity	Cost value at mill
	lb.	\$	lb.	\$	lb.	\$
Wool, domestic, in condition purchased.....	1,337,130	398,976	47,387	22,121	1,615,845	604,474
Wool, foreign, in condition purchased.....	599,203	316,192	856,289	469,013	992,118	494,103
Wool, foreign and domestic, in scoured condition.....	365,124	192,033	1,175,580	732,688	258,888	137,293
Animal hair, all kinds.....	442,785	20,972	292,166	26,295	637,688	24,562
Tailors' clippings, rags, etc.....	3,305,411	364,973	3,741,075	287,572	2,369,762	180,776
Cotton, raw.....	25,647	7,119	34,508	8,972	100,000	32,564
Wool waste and noils.....	211,060	58,328	242,813	58,565	174,525	15,604
Cotton waste.....	545,751	67,900	376,656	71,087	391,000	48,191
Jute and other waste.....	150,000	3,000	160,000	3,200	277,025	11,081
Cotton yarns.....	1,349	674	290,865	110,527	510,000	13,700
Jute, ramie or other yarns of vegetable fibre.....	100,000	4,000				
Shoddy, mungo and wool extract.....			1,421,900	144,837	829,400	203,732
Chemicals and dyestuffs (value only).....		35,050		48,240		61,749
All other materials (value only).....		1,694,721		1,158,644		1,119,283
<b>Total cost of materials.....</b>		<b>3,163,939</b>		<b>3,141,761</b>		<b>2,947,112</b>

## CHAPTER IV

### THE HOSIERY AND KNIT GOODS INDUSTRY

In 1926 there were 158 firms reporting to the Census of Industry in the Hosiery and Knit Goods group; 105 were situated in Ontario; 35 in Quebec; 6 in Manitoba; 4 in British Columbia; 3 each in Alberta and Nova Scotia; and 2 in New Brunswick. As the summary statistics of the industry in Table 78 show, the number of establishments has increased each year since 1917, until in 1926 half as many firms again were included in this group as in 1917. While the number of establishments has increased by 55 per cent, the capital invested has increased by 72·6 per cent, i.e., from \$29,073,961 in 1917 to \$50,195,226 in 1926. Of the invested capital, 74 per cent is used in Ontario, 20 per cent in Quebec and the remaining 6 per cent scattered among the other six provinces.

The total number of employees in the industry was 12,061 in 1917, 14,004 in 1920, 10,446 in 1921, 14,221 in 1925, and 15,835 in 1926.

Power installed had a capacity of 11,372 h.p. in 1917, increasing to a capacity of 16,526 h.p. in 1925. In 1926 the power installed was further increased by 758 h.p., bringing the total to 17,284 h.p.

The value added by manufacture was \$14,327,480 in 1917, \$22,430,759 in 1923, \$19,298,994 in 1924, \$20,771,001 in 1925, and 23,641,908 in 1926. Of the value added by manufacture in 1926, 73·2 per cent was the work of firms operating in Ontario, 18·9 per cent of firms operating in Quebec, the remaining 7·9 per cent being the contribution of the 18 firms operating in the other six provinces.

**Table 78.—Hosiery and Knit Goods Industry: Summary Statistics, 1917-1926, together with Statistics by Provinces, 1924, 1925 and 1926**

	Estab- lish- ments	Fixed capital \$	Working capital \$	Salaried employ- ees No.	Total salaries \$	Wage-earners		Total wages \$
						Male	Female	
	No.	\$	\$	No.	\$	No.	No.	\$
1917.....	101	13,673,169	15,400,792	582	764,952	3,539	7,940	5,730,517
1918.....	108	12,765,570	18,327,296	724	1,082,852	3,620	8,283	6,148,350
1919.....	114	14,836,362	19,313,231	777	1,309,391	3,530	8,077	7,014,245
1920.....	128	18,287,709	23,825,684	993	2,012,116	3,866	9,145	9,059,812
1921.....	127	19,363,312	18,543,019	976	1,839,381	2,785	6,685	6,559,892
1922.....	134	20,903,563	22,213,310	1,089	1,840,706	3,585	9,030	8,358,951
1923.....	147	22,462,670	21,487,311	1,110	2,132,887	3,776	9,420	8,818,988
1924.....	150	23,644,913	22,481,088	984	2,082,935	4,070	8,454	8,713,588
1925.....	154	23,916,699	24,313,751	977	2,011,610	3,999	9,245	9,465,444
1926.....	158	25,306,746	24,888,480	972	1,968,101	4,439	10,424	10,906,669

	Cost of fuel \$	Power installed h.p.	Cost of materials used \$	Selling value of product \$	Value added by manufacture \$
1917.....	343,880	11,372	19,443,108	33,770,588	14,327,480
1918.....	447,568	11,677	26,527,287	45,755,129	19,227,842
1919.....	390,872	14,114	26,635,683	44,871,374	18,235,691
1920.....	556,499	11,680	34,238,894	56,736,545	22,497,651
1921.....	432,016	12,247	18,950,491	36,689,534	17,729,043
1922.....	502,091	13,208	22,070,666	43,728,718	21,658,052
1923.....	543,315	14,493	23,950,581	46,381,340	22,430,759
1924.....	460,856	15,212	24,346,748	43,645,742	19,298,994
1925.....	457,348	16,526	26,741,153	47,512,154	20,771,001
1926.....	507,959	17,284	28,731,533	52,373,441	23,641,908

Table 78.—Hosiery and Knit Goods Industry: Summary Statistics, 1917-1926, together with Statistics by Provinces, 1924, 1925 and 1926—Concluded

STATISTICS BY PROVINCES, 1924, 1925 AND 1926

	Estab- lish- ments	Fixed capital	Working capital	Salaried employees	Total salaries	Wage-earners		Total wages	Cost of fuel	Power installed	Cost of materials used	Selling value of product	Value added by manu- facture
	No.	\$	\$	No.	\$	Male	Female	\$	\$	h.p.	\$	\$	\$
						No.	No.						
1924—Nova Scotia.....	3	705,379	1,840,911	22	58,285	145	338	298,218	24,816	747	858,427	1,636,813	778,386
Quebec.....	28	3,835,678	3,691,974	168	369,407	721	1,389	1,378,035	75,870	1,964	4,364,583	7,876,299	3,511,716
Ontario.....	106	18,408,520	16,336,933	741	1,544,749	3,093	6,389	6,722,316	349,357	12,152	18,212,457	32,630,775	14,418,318
Manitoba.....	4	240,837	132,223	21	44,118	13	60	51,875	1,371	41	278,775	433,730	154,955
Alberta.....	3	31,744	34,801	6	6,986	7	9	12,819	150	14	30,700	70,500	39,800
British Columbia.....	3	56,463	147,130	17	43,306	24	76	80,213	885	36	169,625	371,624	101,999
Other Provinces.....	3	366,292	297,116	9	16,084	67	192	170,118	8,407	256	432,181	626,001	193,820
1925—Nova Scotia.....	3	666,192	2,141,564	24	60,395	139	279	257,216	20,446	757	864,453	1,704,766	840,253
Quebec.....	33	4,474,791	4,246,599	206	428,926	847	1,757	1,702,212	71,136	2,773	5,251,926	8,814,400	3,562,474
Ontario.....	105	18,076,715	17,352,560	696	1,446,379	2,913	6,900	7,215,850	357,584	12,635	19,822,989	35,550,354	15,727,365
Manitoba.....	4	247,769	185,684	10	19,790	20	89	88,287	1,457	42	330,449	535,622	205,173
Alberta.....	3	29,014	26,120	6	7,406	10	7	10,696	200	16	26,158	62,515	36,357
British Columbia.....	3	64,536	143,812	18	36,014	26	80	88,373	1,548	47	158,755	357,044	198,289
Other Provinces.....	3	357,682	217,406	7	15,700	44	133	102,810	4,977	256	286,423	487,513	201,090
1926—Nova Scotia.....	3	666,591	2,284,522	31	71,848	143	321	311,637	22,863	761	881,132	1,799,332	918,200
Quebec.....	35	5,068,450	4,287,483	185	412,875	963	2,002	1,947,520	76,398	3,074	6,375,247	10,859,798	4,484,551
Ontario.....	105	18,741,854	17,619,243	704	1,390,611	3,226	7,717	8,276,388	397,352	13,034	20,556,357	37,933,861	17,397,504
Manitoba.....	6	285,097	181,737	14	25,961	21	104	97,671	2,221	49	379,779	656,261	276,482
Alberta.....	3	19,836	32,236	7	8,372	10	14	15,312	250	16	33,043	73,092	40,049
British Columbia.....	4	139,278	228,415	25	44,310	29	105	137,375	2,399	97	183,320	468,088	284,768
Other Provinces.....	2	385,640	254,744	6	14,124	47	161	120,766	6,473	253	322,655	563,009	240,354



**Employment, Wages and Hours of Labour in the Hosiery and Knit Goods Industry.**—Average annual employment, average annual wages and the average number of hours worked per week per employee, for the years 1917-26 are shown in Table 79a. It will be noted that the average wage rose slightly from \$662 in 1922 to \$734 in 1926. The average working week was 52·8 hours in 1917, but fell steadily until it was 47·1 hours in 1921. Since then it has risen to 49·5 hours in 1925 with a slight decrease to 48·9 in 1926.

The average number of days in the year that establishments in this industry were in operation is also presented in Table 79a. The sharp drop shown in 1921 corroborates the fall in the average number employed in that year and is evidence of the effect of that depression on the hosiery industry. Since 1921, the average number of days worked per year has increased until it stood at 272 in 1926.

The monthly totals of wage-earners employed in the years 1924, 1925 and 1926 are given in Table 80a. With the exception of normal variations, a steady increase in the number of employees is revealed. The average which was 12,524 in 1924 rose to 13,244 in 1925 and 14,863 in 1926. Of the total number of employees in 1924, 67·5 per cent were females and in 1926 the number rose to 70 per cent.

Table 80b, giving the number of hours worked per day by wage-earners in the month of highest employment in 1926, shows once more the longer working day still characteristic of manufacturing in the Province of Quebec. Fifty-seven per cent of the wage-earners in the hosiery and knit goods industry in that province worked 10 hours or more a day, while in Ontario only 9·4 per cent worked 10 hours or over. It is interesting in this connection to note that in Quebec in 1925 in the hosiery and knit goods industry the average annual wage was \$654 while in Ontario it was \$735. In 1926, this was increased to \$657 in Quebec and \$756 in Ontario. Also on referring to Table 80b it will be noted that although the majority of wage-earners still work more than 9 hours a day, yet the number of hours worked in the Dominion has decreased slightly for 1926 as compared with 1925.

**Table 79a.—Hosiery and Knit Goods: Annual Wages and Weekly Hours of Work, 1917-26**

	Number of establish- ments	Number of wage- earners	Total wage	Average annual wage	Average working week hours	Average number of days worked per plant during year
			\$	\$		
1917.....	102	11,479	5,730,517	499	52·8	284
1918.....	108	11,903	6,148,350	516	53·2	279
1919.....	114	11,607	7,014,245	604	49·5	283
1920.....	128	13,011	9,059,812	696	48·7	280
1921.....	127	9,470	6,559,892	688	47·1	239
1922.....	134	12,616	8,358,951	662	48·3	287
1923.....	147	13,196	8,818,988	668	50·1	269
1924.....	150	12,524	8,713,588	696	48·2	256
1925.....	154	13,244	9,465,444	715	49·5	268
1926.....	158	14,863	10,906,669	734	48·9	272

Table 79b.—Hosiery and Knit Goods Industry: Sample of Wages Paid and Hours of Labour, 1920-1926

(Compiled by the Department of Labour)

Occupation	Unit	1920		1921		1922		1923		1924		1925		1926	
		Wages	Hrs per wk.	Wages	Hrs per wk.	Wages	Hrs per wk.	Wages	Hrs per wk.	Wages	Hrs per wk.	Wages	Hrs per wk.	Wages	Hrs per wk.
KNITTING		\$		\$		\$		\$		\$		\$		\$	
Knitters—															
No. 1.	Hour			0 24	52	0 20	52	0 20	52	0 20	52	0 20	52	0 20	52
No. 2.	Hour			0 36	60	0 35	60	0 35	49½	0 40	49½	0 40	49½		
No. 3.	Hour			0 21	60	0 21	60	0 22½	49½	0 22½	49½	0 22	49½		
No. 4.	Hour	0 19	55	0 19	55	0 20	55	0 20	55	0 20	55	0 20	55	0 20	55
No. 5.	Hour			0 17	55	0 21	55	0 21	55	0 21	55	0 16	55	0 17½	55
No. 6.	Hour			0 22½	55	0 22½	55	0 22½	55	0 22½	55	0 22½	55	0 22½	55
No. 7.	Hour	0 25	50	0 25	50	0 18	50	0 19	50	0 19	50	0 18	50	0 17	50
No. 8.	Week			16 50	49	16 39	49	16 59	49	17 60	49	15 35	49		
No. 9.	Week	25 00	49	15 00	49	15 00	49	15 00	49	16 00	49	15 00	49	15 00	49
No. 10.	Week	25 00	49	25 00	49	25 00	49	25 00	49	25 00	49	30 00	49	35 00	49
No. 11.	Week			20 00	40	20 00	44	21 00	44	21 00	44	21 00	44	22 50	50
No. 12.	Hour			0 32	49½	0 30½	49½	0 33½	49½	0 33½	49½	0 33½	49½	0 33½	49½
No. 13.	Week	22 50	50	22 50	49½	21 96	49	22 46	49½	22 46	49½	19 80	49½	19 80	49½
No. 14.	Hour	0 32	50	0 32	55	0 22	55	0 22	55	0 22	50	0 35	50	0 35	50
No. 15.	Hour	0 30	55	0 30	55	0 20	55	0 22	55	0 22	55	0 20	55	0 22	55
No. 16.	Week			14 00	48	13 00	48	14 00	48	14 00	48	14 00	48		
No. 17.	Hour	0 22½	55	0 22½	55	0 22½	55	0 22½	55	0 20	55	0 21	55	0 21	55
No. 18.	Week	13 57	49½	11 40	49½	11 40	49½	14 10	49½	15 50	49½	14 00	49½	11 40	44
No. 19.	Hour			0 36½	50	0 23	50	0 23	50	0 23	50	0 24	50	0 26	50
No. 20.	Hour			0 34½	50	0 32	50	0 30	50	0 31	50	0 36	50	0 31	50
No. 21.	Week	31 00	50	27 00	50	28 00	49	28 00	49	27 00	49	28 42	49	31 85	49
No. 22.	Week			10 00	44	10 00	44	10 00	44	10 00	44	10 00	44	10 00	44
No. 23.	Week			15 00	44	15 00	44	15 00	44	14 00	44	14 00	44	14 00	44
No. 24.	Week			30 00	44	30 00	44	30 00	44	30 00	44	30 00	44	30 00	44
No. 25.	Week			40 00	44	40 00	44	40 00	44	40 00	44	40 00	44	40 00	44
No. 26.	Week			13 00	45	13 28	45	14 26	45	14 25	45	14 00	45	15 00	45
No. 27.	Week	17 00	44	15 00	44	15 00	44	15 00	44	13 50	44	13 50	44	13 50	44
No. 28.	Week			17 00	44	12 00	44	12 00	44	12 00	44	12 00	44	12 00	44
No. 29.	Week			17 00	44	20 00	44	22 00	44	22 00	44	18 00	44	18 00	44
No. 30.	Week	25 00	46½	25 00	46½	25 00	46½	35 00	46½	35 00	46½	35 00	46½	35 00	46½
Carders—															
No. 1.	Hour			0 36	52	0 33	52	0 33	52	0 33	52	0 33	52	0 33	52
No. 2.	Hour			0 31	60	0 31½	60	0 31½	55	0 31½	49½	0 32	49½		
No. 3.	Hour	0 40	55	0 20	55	0 25	55	0 33	55	0 30	55	0 30	55	0 30	55
No. 4.	Hour			0 25	55	0 22½	55	0 22½	55	0 22½	55	0 22½	55	0 24	55
No. 5.	Hour	0 39	50	0 36	50	0 32	50	0 32	50	0 32	50	0 27	50	0 27	50
No. 6.	Week	20 00	50	19 80	49½	19 80	49½	19 80	49½	19 80	49½	19 80	49½	19 80	49½
No. 7.	Hour	0 23	50	0 26	55	0 26	55	0 26	55	0 26	55	0 27	50	0 25	50
No. 8.	Hour			0 23½	50	0 23½	55	0 27½	55	0 27½	55	0 27½	55	0 27½	55
No. 9.	Week	23 32	44	22 18	44	22 18	44	22 18	44	19 98	44	19 98	44	19 80	44
No. 10.	Week	22 00	44	19 80	44	19 80	44	19 80	44	18 90	44	18 90	44	17 82	44
Spinners—															
No. 1.	Hour			0 34½	60	0 34½	60	0 40	55	0 40	49½	0 40	49½		
No. 2.	Hour	0 40	55	0 33½	55	0 30	55	0 33	55	0 33	55	0 33	55	0 33	55
No. 3.	Hour			0 30	55	0 22½	55	0 35	55	0 27½	55	0 27½	55	0 25	55
No. 4.	Hour			0 33½	55	0 34	55	0 30	55	0 30	55	0 35	55	0 35	55
No. 5.	Hour	0 35	50	0 28	50	0 30	50	0 30	50	0 30	50	0 27	50	0 25	50
No. 6.	Week	20 00	50	19 80	49½	19 80	49½	19 80	49½	19 80	49½	19 80	49½	19 80	49½
No. 7.	Hour	0 31½	50	0 32½	55	0 19	55	0 24	55	0 24	55	0 24	50	0 27	50
No. 8.	Hour	0 21½	50	0 21½	55	0 22	55	0 25	55	0 25	55	0 25	55	0 25	55
No. 9.	Week	33 30	44	25 00	44	25 00	44	30 00	44	30 00	44	30 00	44	30 00	44
No. 10.	Week	17 08	44	16 18	44	16 18	44	16 18	44	14 58	44	14 88	44	14 88	44
No. 11.	Week	15 08	44	14 38	44	14 42	44	14 40	44	12 96	44	13 00	44	10 00	44

Table 80a.—Hosiery and Knit Goods Industry: Employment by Months, 1924-1926

	1924			1925			1926		
	Male	Female	Total	Male	Female	Total	Male	Female	Total
January	4,072	8,482	12,554	3,866	8,807	12,673	4,225	9,611	13,836
February	4,091	8,675	12,766	3,896	8,954	12,850	4,244	9,940	14,184
March	4,113	8,640	12,753	3,899	9,111	13,010	4,380	10,226	14,606
April	4,085	8,574	12,659	3,917	9,146	13,063	4,397	10,380	14,777
May	4,042	8,353	12,395	3,984	9,200	13,184	4,394	10,437	14,831
June	3,991	8,398	12,389	3,948	9,122	13,070	4,452	10,525	14,977
July	3,937	7,938	11,875	3,902	8,905	12,807	4,411	10,454	14,865
August	3,974	8,201	12,175	3,963	9,071	13,034	4,431	10,266	14,697
September	4,005	8,282	12,287	4,010	9,232	13,242	4,439	10,525	14,964
October	4,200	8,588	12,788	4,135	9,605	13,740	4,528	10,749	15,277
November	4,164	8,735	12,899	4,202	9,886	14,088	4,571	10,882	15,453
December	4,161	8,579	12,740	4,147	9,736	13,883	4,635	10,846	15,481
Average	4,070	8,454	12,524	3,999	9,245	13,244	4,439	10,424	14,863

Table 80b.—Number of Wage-Earners in the Month of Highest Employment, 1925 and 1926

Hours per day		Canada		Quebec		Ontario		Other Provinces	
		Number	Per cent	Number	Per cent	Number	Per cent	Number	Per cent
Eight hours and less.....	1925	3,178	21.2	86	3.0	2,923	26.3	160	17.2
	1926	4,034	23.1	198	6.0	3,573	27.5	263	24.0
Nine hours.....	1925	8,696	57.9	971	33.2	7,240	65.2	485	49.2
	1926	9,907	56.7	1,243	37.0	8,212	63.1	452	41.3
Ten hours.....	1925	2,919	19.4	1,782	60.8	808	7.3	329	33.4
	1926	3,380	19.4	1,906	56.8	1,096	8.4	378	34.5
Over ten hours.....	1925	223	1.5	89	3.0	132	1.2	2	0.2
	1926	142	0.8	11	0.2	129	1.0	2	0.2

**Mechanical Equipment, 1925 and 1926.**—The equipment installed in the hosiery and knit goods industry is presented in Table 81 for the provinces of Ontario and Quebec and for the Dominion.

Table 81.—Hosiery and Knit Goods: Mechanical Equipment, 1925 and 1926

	Canada		Quebec		Ontario	
	1925	1926	1925	1926	1925	1926
Number of establishments.....	154	158	33	35	105	105
Sets of cards—						
Woolen.....	150	153	13	16	106	105
Worsted.....	3				3	
Cotton.....	63	67		1	63	66
Shoddy.....	11	8	6	3	4	4
Total.....	227	228	19	20	176	175
Mule spinning spindles—						
Woolen.....	51,029	50,857	2,200	2,200	39,085	38,001
Worsted.....	15,282	13,950			15,282	13,950
Cotton.....	1,700	3,012	1,700	1,700		1,312
Shoddy.....	2,000	1,740	2,000	1,740		
Total.....	70,011	69,559	5,900	5,640	54,367	53,263
Frame spinning spindles—						
Woolen.....	1,480	1,460			1,480	1,460
Worsted.....	9,224	10,948	2,136	3,860	7,088	7,088
Cotton.....	22,106	32,106			22,106	32,106
Shoddy.....						
Total.....	32,810	44,514	2,136	3,860	30,764	40,654
Doubling and twisting spindles—						
Woolen.....	2,977	2,905	354	354	2,043	1,971
Worsted.....	6,246	6,162	1,540	1,676	4,706	4,486
Cotton.....	16	16			16	16
Shoddy.....						
Total.....	9,239	9,083	1,894	2,030	6,765	6,473
Total spindles.....	112,660	123,156	9,930	11,530	91,896	100,390
Wool-combing machines.....	6	3			6	3
Sewing machines.....	4,273	4,558	805	791	3,247	3,466

Table 81.—Hosiery and Knit Goods: Mechanical Equipment, 1925 and 1926—Concluded

	Canada				Ontario				Quebec			
	1925		1926		1925		1926		1925		1926	
	Spring-beard needle	Latch needle	Spring-beard needle	Latch needle	Spring-beard needle	Latch needle	Spring-beard needle	Latch needle	Spring-beard needle	Latch needle	Spring-beard needle	Latch needle
	No.	No.	No.	No.	No.	No.	No.	No.	No.	No.	No.	No.
Knitting Machines—												
Power—												
Flat, ribbed.....	99	646	155	664	65	348	119	372	33	193	35	199
Flat, plain.....	191	306	180	269	131	144	110	104	24	146	36	127
Full fashioned, flat ribbed.....	2	195	2	192	2	153	2	150		34		31
Full fashioned, flat plain.....	95	480	148	543	27	472	74	490	68		73	44
Circular, ribbed.....	245	3,624	266	3,322	179	3,083	202	2,687	45	433	63	516
Circular, plain.....	657	2,216	901	3,392	526	1,779	720	3,012	125	279	176	290
Circular hosiery, automatic.....	384	3,083	441	2,534	325	2,765	390	2,066	55	242	30	408
All other.....	19	747	110	330	13	540	99	253		196	5	70
Total.....	1,692	11,297	2,203	11,246	1,268	9,314	1,716	9,134	350	1,523	425	1,595
Hand—												
Lamb.....	10	233	5	251	6	203	1	220		28	1	26
Other.....	17	113	17	113	14	90	17	80	3	2		10
Total.....	27	346	22	364	20	293	18	300	3	30	1	36
Other Equipment—												
Grosser.....	5		8				5					
Winders.....	59		75		57		65				8	
Loopers.....	130		234		130		230				3	
Looping and welting.....			181				191					
Seamers.....	2		2		2		2					
Twisters.....	4		4		4		4					
Spinners.....	2				2							
Brushers.....	4		3		4		3					
Coners.....	3				3							
Clocking machines.....	9		15		9		15					
Doublers.....	3				8							
All other.....			15				7				8	
Total.....	221		647		214		522				19	
Power employed.....	H.P. 16,526	H.P. per W.E. 1.2	H.P. 17,284	H.P. per W.E. 1.2	H.P. 12,635	H.P. per W.E. 1.3	H.P. 13,034	H.P. per W.E. 1.2	H.P. 2,773	H.P. per W.E. 1.0	H.P. 3,074	H.P. per W.E. 1.0



**Power Installation.**—The power installed in the hosiery and knit goods industry is presented in the next table for the years 1924, 1925 and 1926. It will be noted that the number of units installed has increased from 1,432 to 1,729 and the total horse-power capacity from 15,212 to 17,284.

**Table 82.—Hosiery and Knit Goods Industry: Power Installation, 1924-1926**

Classes of Power	1924		1925		1926	
	Number of units	Horse-power capacity	Number of units	Horse-power capacity	Number of units	Horse-power capacity
Steam engines and turbines.....	28	3,400	28	3,288	33	3,274
Oil, gas and gasoline engines.....	15	1,013	13	932	14	934
Hydraulic turbines or water wheels.....	24	1,947	27	2,173	27	2,473
Electric motors, operated by purchased power.....	1,232	7,860	1,372	9,162	1,510	9,442
Total power used in manufacturing.....	1,299	14,229	1,440	15,555	1,584	16,123
Electric motors operated by power generated at the factory.....	133	983	109	971	145	1,161
<b>Total electric motors.....</b>	<b>1,365</b>	<b>8,843</b>	<b>1,481</b>	<b>10,133</b>	<b>1,655</b>	<b>10,603</b>
<b>Total power installation.....</b>	<b>1,432</b>	<b>15,212</b>	<b>1,549</b>	<b>16,526</b>	<b>1,729</b>	<b>17,284</b>

**Materials Used.**—Itemized quantities and costs of materials used were not collected in 1924 but are given in table 83 for the years 1925 and 1926. It may be noted that the total cost of materials used in 1924 was \$24,346,748. In 1925 the cost had risen to \$26,741,513, and in 1926 to \$28,731,533, or an increase of \$1,990,380 over that of 1925.

**Table 83.—Hosiery and Knit Goods: Principal Materials Used, 1925 and 1926**

Materials	Unit	1925		1926	
		Quantity	Cost value at factory	Quantity	Cost value at factory
			\$		\$
Cotton, raw.....	lb.	3,168,892	792,794	3,991,436	833,974
Silk and cotton mixed.....	"			210,775	247,775
Wool, raw.....	"	3,650,836	1,773,931	4,144,674	1,687,497
Thrown silk, raw.....	"	18,255	114,823	64,958	422,229
Yarns—					
Cotton.....	"	9,867,004	5,434,317	10,077,384	5,187,930
Wool.....	"	4,415,149	3,720,794	4,966,721	4,058,213
Worsted.....	"	3,647,254	4,135,046	3,854,040	4,259,560
Merino.....	"	1,031,316	957,324	686,866	706,406
Silk.....	"	220,555	1,590,643	285,916	1,956,893
Artificial silk (Rayon).....	"	1,476,293	2,444,842	1,906,756	2,823,929
Silk and wool.....	"	50,263	83,867	35,771	57,187
Silk and cotton.....	"	190,500	231,585	14,739	*40,015
Mercerized yarns.....	"	88,523	71,661	519,031	442,010
Other hosiery and underwear yarns.....	"	68,483	110,904	66,728	100,356
Cotton waste.....	"	1,239,431	201,069	1,284,922	197,148
Wool waste and noils.....	"	1,028,872	266,323	813,579	304,212
Tops.....	"	1,859,011	1,557,890	2,397,831	1,702,396
Shoddy, mungo and wool extract.....	"	840,791	141,530	825,662	114,989
Sateens and other fancy cloths.....	yd.	449,200	117,738	516,458	127,585
Cotton piece goods.....	"	1,314,731	195,950	1,344,746	181,380
Soaps, value only.....			116,339	988,963	97,135
Dyestuffs, chemicals.....			592,614		550,103
All other materials.....			1,079,047		1,474,819
Containers.....			1,010,122		1,148,792
<b>Total cost of materials.....</b>			<b>26,741,513</b>		<b>28,731,533</b>

\*Silk, mixed.

**Quantities and Values of Products.**—The quantities and selling values of the principal articles made by the hosiery and knit goods industry are given in Table 84 for the years 1924, 1925 and 1926. Table 85 showing the imports into Canada of raw materials and partly manufactured materials used in the hosiery and knit goods industry, and manufactured knitted goods, is given here for the years 1925 and 1926. The exports of knitted goods for the same years (calendar) are appended in Table 86.

It will be noted that the selling value of domestic production increased from \$43,645,742 in 1924 to \$47,512,154 in 1925, and to \$52,373,441 in 1926, while the value of corresponding imports increased from \$7,637,923 in 1924 to \$8,207,930 in 1925 and to \$16,228,331 in 1926. Exports of knitted goods, on the other hand, declined from \$336,721 in 1924 to \$280,368 in 1925, with a further decline to \$227,406 in 1926.

**Table 84.—Hosiery and Knit Goods Production, 1924-1926**

Articles manufactured	1924		1925		1926	
	Quantity	Value	Quantity	Value	Quantity	Value
		\$		\$		\$
<b>Hosiery—</b>						
Woolen and worsted..... doz.	885,597	4,188,810	979,667	4,255,857	1,075,982	4,415,069
Merino or mixed..... "	262,681	988,171	356,373	1,743,295	455,862	2,133,950
Mercerized..... "					127,456	303,369
Cotton..... "	972,874	2,394,227	802,468	2,053,818	825,538	2,095,304
Artificial silk..... "					375,307	1,357,067
Silk or silk mixed..... "	889,498	5,021,906	995,985	6,878,935	827,166	6,841,488
Elastic..... "	800	20,380	308	16,946	307	17,125
All other..... "	30,000	115,000	260,309	1,030,682	154,300	883,477
<b>Underwear, combination—</b>						
Merino or mixed..... "	66,820	1,324,474	76,566	1,410,997	94,913	1,874,381
All wool..... "	34,274	941,405	36,460	930,818	35,837	879,904
All cotton..... "	311,119	2,975,238	325,889	3,382,111	371,918	3,686,283
Artificial silk..... "	6,250	75,000	16,656	199,872	11,428	154,410
Silk or silk mixed..... "	8,315	135,408	10,004	176,316	8,728	48,819
<b>Underwear, separate—</b>						
Merino or mixed..... "	154,006	1,657,625	207,971	2,070,523	231,181	2,350,428
All wool..... "	207,014	2,513,040	140,867	2,045,041	239,601	2,352,333
All cotton..... "	1,052,274	5,274,564	1,223,396	5,412,790	1,328,562	5,405,882
Artificial silk..... "					149,756	1,661,917
Silk or silk mixed..... "	27,857	285,129	69,995	952,751	31,189	293,660
Woolen and worsted yarns for sale..... lb.	882,934	1,229,418	1,096,924	1,543,648	1,604,292	1,806,357
Cotton and merino yarns for sale..... lb.	573,262	300,709	346,977	165,340	403,427	161,286
Gloves and mittens..... doz.		767,261	130,786	619,295	126,441	482,944
Leggings and gaiters..... "		82,219	17,256	117,742	17,007	118,584
Hoods, scarfs, rubias, caps, etc..... "	47,927	537,727	70,810	698,150	90,937	558,958
Fancy knit goods, wristers, bootees, etc..... "		205,916	14,377	101,985	17,057	128,864
Jersey suits..... "	7,966	147,714	13,164	266,031	1,641	51,773
Sweaters, cardigan, jackets and fancy vests..... "	331,574	7,475,351	299,709	6,905,918	201,821	6,332,930
Sweater suits and dresses..... "					52,805	1,847,846
Bathing suits..... "	28,416	408,180	40,278	643,528	34,658	492,323
Blankets..... "	3,300	245,000	3,062	210,465	5,000	215,000
Artificial silk knit goods..... yd.			308,803	311,304	591,481	505,269
Artificial silk knit goods..... lb.			47,184	165,000		
Artificial silk knit fabrics..... yd.	766,160	1,186,519	66,887	67,887	21,370	43,827
Jersey cloth and stockinette..... "		600,157	829,591	805,706	1,386,835	1,116,627
Astrakhan and similar fabrics..... "		14,500	26,196	23,402	42,975	31,647
Boot and shoe linings and felts..... lb.		196,920	194,679	179,007	107,489	90,652
Mufflers..... doz.			6,617	158,815	4,888	122,203
Miscellaneous knit goods..... "			71,654	870,762		
Neckwear, knitted and other..... "			46,808	157,604	58,987	171,498
Mackinaw cloth..... yd.			70,000	84,900	66,000	77,506
All other products (value only).....		979,276		307,920		750,298
Amount received for contract and custom work (value only).....		398,498		546,993		461,929
<b>Total selling value of products.....</b>		<b>43,645,742</b>		<b>47,512,154</b>		<b>52,373,441</b>

Table 85.—Imports of Raw Materials, Manufactured Materials and Manufactured Knitted Goods, 1925 and 1926

1925 Articles Imported	United Kingdom		United States		Other Countries		All Countries	
	Quantity	Value	Quantity	Value	Quantity	Value	Quantity	Value
		\$		\$		\$		\$
Yarns, knitting, hosiery or other dyed or not, n.o.p. .... lb.	47,781	38,215	248,370	131,697	1,413	844	297,564	170,756
Yarns, threads and filaments of artificial silk, not coloured. .... lb.	1,199,362	1,878,510	55,115	87,154	580,328	828,762	1,834,805	2,704,426
Yarns, threads and filaments of artificial silk coloured or not. .... lb.	12,468	22,606	3,270	8,479	859	1,975	16,597	33,060
Socks and stockings—								
Cotton. .... doz. pr.	21,004	67,377	460,162	747,143	11,662	18,796	492,828	833,316
Silk. .... " "	3,729	34,015	59,858	548,161	1,274	14,964	64,861	597,140
Silk, artificial. .... " "	2,403	16,106	8,934	36,404	1,563	14,062	12,900	66,572
Wool. .... " "	535,952	2,493,988	12,011	41,262	837	8,083	548,800	2,543,333
Undershirts and drawers—								
Cotton. ....		23,611		123,990		32,813		180,414
Silk. ....		733		1,334		4,347		6,414
Wool. ....		376,038		4,406		10,490		396,994
Knitted goods of wool, n.o.p. ....		638,263		28,990		32,264		699,517
Knitted goods of every description		497,067		219,672		169,249		886,988
<b>Total</b> .....		<b>6,046,528</b>		<b>1,978,752</b>		<b>1,142,649</b>		<b>9,267,930</b>
1926								
Yarns, woollen and worsted. .... lb.	2,862,275	3,335,944	5,352	15,110	132,488	187,194	3,000,115	3,538,248
Yarns, knitting, hosiery, etc., dyed or not, n.o.p. .... lb.	117,061	54,628	234,032	107,690	8,111	5,289	359,234	167,607
Silk, raw, or as reeled from the cocoon. .... lb.	800	3,748	544,340	3,381,236	75,853	465,301	620,993	3,850,285
Yarns, threads and filaments of artificial silk, not coloured. .... lb.	191,309	333,297	67,719	127,572	1,065,894	1,234,987	1,324,912	1,695,836
Yarns, threads, etc., of artificial silk, coloured or not. .... lb.	23,038	36,717	2,753	6,368	15,049	22,800	40,840	65,885
Woollen and worsted yarns, n.o.p. .... lb.	170,587	224,891	4,109	3,630	4,364	6,226	179,060	234,747
Socks and stockings—								
Cotton. .... doz. pr.	20,855	61,214	488,839	785,725	30,367	57,203	540,061	904,142
Silk. .... " "	5,339	39,554	76,740	690,626	4,732	44,415	86,811	774,595
Silk, artificial. .... " "	6,326	44,321	12,337	43,650	1,362	7,988	20,025	95,959
Wool. .... " "	542,466	2,456,173	21,204	84,907	4,111	28,949	567,781	2,570,029
Undershirts and drawers—								
Cotton. ....		13,021		82,086		76,247		171,354
Silk. ....		869		7,545		3,790		12,204
Wool. ....		351,949		5,353		13,379		370,681
Knitted goods of wool, n.o.p. ....		796,054		28,013		91,624		915,691
Knitted goods of every description		451,828		160,830		248,410		861,068
<b>Total</b> .....		<b>8,264,208</b>		<b>5,530,341</b>		<b>2,493,782</b>		<b>16,229,331</b>

Table 86.—Exports of Knitted Goods by Countries, 1924, 1925 and 1926

Articles exported	United Kingdom	United States	Other Countries	All Countries
	\$	\$	\$	\$
1924				
Underwear, woollen. ....	89,229	1,690	156,769	247,688
Underwear, cotton. ....	20,349	2,753	65,931	89,033
<b>Total</b> .....	<b>109,578</b>	<b>4,443</b>	<b>222,700</b>	<b>336,721</b>
1925				
Underwear, cotton. ....	46,816	4,749	153,927	205,492
Underwear, woollen. ....	4,275	2,655	67,946	74,876
<b>Total</b> .....	<b>51,091</b>	<b>7,404</b>	<b>221,873</b>	<b>289,365</b>
1926				
Underwear, cotton. ....	77,784	5,693	95,875	179,352
Underwear, woollen. ....	133	2,984	44,937	48,054
<b>Total</b> .....	<b>77,917</b>	<b>8,677</b>	<b>140,812</b>	<b>227,406</b>

## CHAPTER V

### THE FABRIC GLOVE AND MITTEN INDUSTRY

The fabric, glove and mitten industry is closely associated with the larger hosiery and knit goods industry; they use the same raw materials and similar equipment and work under nearly identical labour conditions.

The principal statistics for the industry given in Table 87 cover the years 1920 to 1926; before 1920 all gloves, irrespective of the materials used in their manufacture, were classed together. In that year a new system of classification was introduced in the industrial census, and "materials used" supplanted "purpose served" as the basis of grouping. Since then the fabric glove and mitten business has been treated as a separate industry.

It will be noted that though the number of establishments has more than doubled since 1920, the capital used and the number of employees have not, however, increased in the same ratio. Capital invested, persons employed and selling value of product all recorded a curious and unexpected maximum in 1921. The capital invested declined in each of the years from 1921 to 1924 but increased slightly to \$1,413,890 in 1926. Average annual employment likewise fell from 1921 to 1924 but rallied in 1925 when 487 were at work in the industry, with another rise in 1926 to 639. Selling value of product and value added by manufacture declined over the same period of years, being lower in 1924 than in any other year for which figures are available. In both cases, 1925 showed a marked improvement over the previous year, and 1926 experienced a further increase over that of 1925.

Employment of male and female workers is shown by months for the years 1924, 1925 and 1926 in Table 88. Hours worked by wage-earners per day and per week in the month of highest employment for 1925 and 1926 are also presented in this table.

**Table 87.—Fabric Glove and Mitten Industry: Summary Statistics, 1920-1926**

Year	Estab- lish- ments	Fixed capital	Working capital	Salaried employ- ees	Total salaries	Wage-earners	
						Male	Female
	No.	\$	\$	No.	\$	No.	No.
1920.....	4	639,316	574,351	37	50,659	128	403
1921.....	7	889,060	885,708	59	114,652	163	572
1922.....	7	536,993	584,225	49	79,417	133	412
1923.....	6	563,032	660,354	43	67,711	79	327
1924.....	8	538,440	502,140	32	62,709	68	309
1925.....	8	554,867	555,157	39	73,463	79	369
1926.....	9	730,467	683,423	48	88,460	105	486

Year	Total wages	Cost of fuel	Power installed	Cost of materials	Selling value of product	Value added by manufacture
	\$	\$	h.p.	\$	\$	\$
1920.....	412,340	13,489	286	689,377	1,361,786	672,409
1921.....	464,672	13,683	535	581,454	1,569,943	988,489
1922.....	293,402	11,546	186	473,005	1,234,536	761,531
1923.....	242,265	8,687	166	393,769	1,140,236	746,467
1924.....	230,580	6,854	154	411,283	859,781	448,498
1925.....	304,892	9,221	175	378,443	1,043,280	664,837
1926.....	348,566	11,423	192	481,316	1,302,318	821,002



Table 88.—Fabric Glove and Mitten Industry: Employment by Months, 1924-1926, and Hours of Labour, 1925 and 1926

	1924			1925			1926		
	Male	Female	Total	Male	Female	Total	Male	Female	Total
	No.	No.	No.	No.	No.	No.	No.	No.	No.
January.....	66	294	360	71	416	487	86	467	553
February.....	67	296	363	70	398	468	88	460	548
March.....	66	306	372	69	395	464	88	458	546
April.....	68	289	357	69	375	444	86	459	545
May.....	66	272	338	83	381	464	101	477	578
June.....	68	303	371	83	370	453	104	464	568
July.....	66	314	380	83	380	463	113	465	578
August.....	66	300	366	81	369	450	120	462	582
September.....	67	310	377	81	368	449	118	511	629
October.....	72	351	423	81	367	448	115	514	629
November.....	73	344	417	84	330	414	103	502	605
December.....	72	336	408	87	342	429	105	480	585
Average.....	68	309	377	79	369	448	105	486	591

Number of Wage Earners in Month of highest Employment, by Provinces and Hours Worked per Day, 1925 and 1926.

Hours per day	Canada		Ontario		Quebec		British Columbia	
	Number	Per cent	Number	Per cent	Number	Per cent	Number	Per cent
Eight hours and less.....	1925 12	2.3	6	2.2			6	100
	1926 107	14.4	100	21.4			7	100
Nine hours.....	1925 499	96.9	267	96.4	232	100		
	1926 623	83.4	351	75.0	272	100		
Ten hours.....	1925 4	0.8	4	1.4				
	1926 3	0.4	3	0.6				
Over ten hours.....	1925							
	1926 14	1.8	14	3.0				
Average hours worked per week.....	1925 47.5		48.8		48.5		44.0	
	1926 42.7		39.4		49.5		44.0	

Materials Used and Products Manufactured, 1925 and 1926.—The quantities and values of the materials used in this industry were not collected in 1924. They are given in Table 89 for the years 1925 and 1926.

Table 89.—Quantities and Values of Materials Used in the Fabric Glove Industry, 1925 and 1926

Kind of materials	Unit	Quantity	Cost value
1925			
Cotton yarns.....	Lb.	30,528	30,353
Woolen yarns.....	"	10,450	4,598
Silk yarns.....	"	30,208	100,524
Other (artificial silk).....	"	291	530
Buttons and fasteners (value only).....			26,623
Elastic webbing (value only).....			5,005
All other materials (value only).....			107,851
Containers (value only).....			6,957
<b>Total cost of materials.....</b>			<b>378,443</b>
1926			
Cotton yarns.....	Lb.	38,950	41,118
Woolen yarns.....	"	8,800	4,488
Silk yarns.....	"	34,606	150,668
Artificial silk yarns.....	"	7,318	17,199
Silk fabrics.....	Yd.	10,345	103,450
Cotton and woolen fabrics.....	"	183,217	53,661
Buttons and fasteners.....			27,120
Elastic webbing.....			4,635
All other materials.....			56,648
Cartons, cases, labels, etc.....			22,329
<b>Total cost of materials.....</b>			<b>481,316</b>

It will be noted in Table 90 that the total value of fabric and knit gloves made in this industry increased steadily from \$859,781 in 1924 to \$1,302,318 in 1926, this despite the increased value of imported fabric gloves in 1925 and 1926.

**Table 90.—Production of Fabric Glove and Mitten Industry, 1924-1926**

Principal products	1924		1925		1926	
	Quantity	Value	Quantity	Value	Quantity	Value
		\$		\$		\$
Dress gloves, lined and unlined, men's, women's and children's..... doz. pr.	112,105	765,528	133,364	900,914	108,539	1,059,012
Working gloves, mittens and gauntlets lined and unlined, men's and boys'..... "	37,995	91,290	36,647	58,417	76,475	103,179
All other products.....		2,963		83,949		140,127
<b>Total.....</b>		<b>859,781</b>		<b>1,043,280</b>		<b>1,302,318</b>

**Imports and Exports of Fabric and Knit Gloves.**—Imports of fabric and knit gloves and mitts into Canada in the calendar year 1924 were valued at \$1,006,664. Imports from the United Kingdom were valued at \$472,487, from the United States, \$66,735 and from all other countries \$467,442. In 1925 the value of imported fabric and knit gloves, etc., rose to \$1,210,002, of which imports from the United Kingdom were \$541,257, from the United States, \$129,991 and from all other countries \$538,754. In 1926, imports rose still further to \$1,314,665, of which \$535,536 came from the United Kingdom, \$91,625 from the United States and \$687,504 from all other countries. Exports of fabric gloves from Canada were valued at \$179,117 in 1924, \$99,971 in 1925 and \$234,835 in 1926.

# CHAPTER VI

## THE SILK GOODS INDUSTRY

Until very recently the Canadian silk goods industry was a languishing luxury trade, working up imported raw materials into ribbons, braids and flosses, but supplying a very small part of the broad silks and satins that entered into domestic consumption. With the utilization of wood pulp as a raw material the economic status of the Canadian silk industry has been altered over night. It is one type of textile manufacture for which the raw material is available in Canada and probably the only one that can develop a substantial export business. The recent expansion of the industry is strikingly shown in the accompanying table.

It will be noticed that the number of establishments reporting was nine in 1917, falling as low as 5 in 1920 and 1921, and rising to 12 in 1926. The capital investment in the industry was \$2,223,164 in 1917, \$5,734,502 in 1924, \$9,224,224 in 1925, and \$10,019,519 in 1926. This remarkable increase in invested capital recorded in 1925 and 1926 is evidence of the expansion of the artificial silk end of the industry. Similarly, the years 1925 and 1926 showed a notable increase in the average number employed; 1,727 persons in 1925 and 2,423 in 1926 as compared with 1,210 in 1924. It will be noted that the increase in capital used and the number of persons employed was most conspicuous in Ontario, where the Courtauld's silk mill had just come into operation at Cornwall. As can be seen from Table 92, the capital invested on Ontario had risen from \$1,017,260 in 1924 to \$4,411,670 in 1926. Although Quebec still leads in the amount of capital invested, yet the increase has been more gradual, having only risen from \$4,727,242 in 1924 to \$5,607,849 in 1926.

The increase in capital used and work people employed is reflected in the selling value of product and the value added by manufacture; both items being higher than in 1924 and 1925.

Table 92.—Silk Goods Industry, including Artificial Silk: Summary Statistics, 1917-1926

Year	Estab- lish- ments	Fixed capital	Working capital	Salaried employ- ees	Total salaries	Wage-earners		Total wages
						Male	Female	
	No.	\$	\$	No.	\$	No.	No.	\$
1917.....	9	855,607	1,367,557	.....	.....	189	738	390,398
1918.....	7	1,107,100	1,783,331	45	60,671	186	788	438,695
1919.....	8	1,434,029	2,227,344	59	80,836	295	940	167,824
1920.....	5	2,288,171	2,613,508	58	111,952	258	849	705,488
1921.....	5	2,293,116	2,266,793	61	136,071	207	664	583,774
1922.....	7	2,498,806	2,119,642	.....	.....	281	854	745,996
1923.....	7	2,633,532	1,960,781	.....	.....	312	823	744,004
1924—Canada.....	10	3,338,634	2,395,868	103	203,464	341	766	775,222
Quebec.....	6	2,839,953	1,887,309	85	132,484	296	616	807,120
Ontario.....	4	508,701	508,559	18	70,980	45	150	168,102
1925—Canada.....	11	6,103,396	3,120,828	166	275,116	552	1,009	1,089,741
Quebec.....	6	2,832,497	2,001,847	101	138,931	329	710	855,251
Ontario.....	5	3,270,899	1,118,971	65	136,185	223	299	434,490
1926—Canada.....	12	6,399,357	3,620,162	192	357,808	781	1,450	1,637,192
Quebec.....	8	3,466,660	2,141,189	117	185,661	348	832	748,556
Ontario.....	4	2,932,697	1,478,973	75	172,147	433	618	878,636

Year	Cost of fuel	Power installed	Cost of materials used	Selling value of products	Value added by manufacture
	\$	h. p.	\$	\$	\$
1917.....	30,543	535	837,041	2,372,001	1,534,960
1918.....	27,875	590	1,436,229	2,451,220	1,014,991
1919.....	28,730	958	1,975,539	3,162,603	1,187,064
1920.....	36,104	898	3,438,792	5,376,751	1,937,959
1921.....	47,003	699	1,890,171	3,536,513	1,646,342
1922.....	33,744	1,020	2,267,250	4,675,205	2,407,955
1923.....	37,759	1,040	2,677,229	5,044,968	2,367,739
1924—Canada.....	36,226	1,529	2,486,845	4,381,234	1,894,389
Quebec.....	33,967	1,189	1,696,162	3,164,278	1,468,116
Ontario.....	2,259	340	790,683	790,683	426,273
1925—Canada.....	76,876	3,022	3,361,035	5,483,363	2,122,728
Quebec.....	640,633	1,320	1,826,044	3,270,897	1,444,853
Ontario.....	36,243	1,702	1,534,991	2,212,466	677,475
1926—Canada.....	102,676	3,283	3,472,965	8,507,153	5,034,171
Quebec.....	52,638	1,438	1,784,561	3,931,412	2,146,728
Ontario.....	50,038	1,845	1,688,404	4,575,741	2,887,443

**Employment and Hours of Labour.**—The principal employment statistics of the silk industry presented in Table 93 show, the average number of wage-earners per establishment, the average annual wage, the average number of hours worked per week and the average number of days worked per establishment during the year for the years 1917-26. The average annual wage was slightly lower in 1925 than in 1924 but was appreciably higher than in any other earlier year. The average number of hours per week worked by wage-earners fell from a maximum of 55.4 hours in 1918 to a minimum of 49.7 hours in 1922-23; in 1924 and 1925 it was slightly higher at 50.1 hours in both years, with another slight increase to 51 hours in 1926. The average number of days that silk mills were in operation during the years 1917 to 1926 is an unreliable index of activity in the industry. The small number of firms in the industry, and the frequent fluctuations in the number of firms reporting, combine to make any average based on establishments rather insecure.

The monthly employment figures for 1924, 1925 and 1926 as given in Table 94a show no seasonal fluctuations but a steady increase month by month for the three years in question.

The number of wage-earners working 8 hours or less, 9 hours, 10 hours and over 10 hours a day in the month of highest employment in 1925 and 1926 is given in Table 94b for Canada and the provinces.

In 1925 the percentage of all persons employed working 8 hours or less was about the same in Quebec as in Ontario. In 1926, however, the percentage dropped noticeably in Quebec from 15.6 to 2.6 while that of Ontario dropped only slightly. The general tendency in 1926 was an increase in the daily hours of work. Of the Dominion total, 70.2 per cent worked 9 hours in 1926 as compared with 60.6 per cent in 1925, while the increase in Ontario was from 78.2 per cent to 85 per cent and that of Quebec from 46.2 per cent to 57.5 per cent. In 1926, the number of persons working 10 hours or over in Ontario has dropped from 49 in 1925 to 2 in 1926. In Quebec on the other hand the number has increased from 436 to 534 for the same years.

**Table 93.—Silk Goods Industry: Principal Employment Statistics, 1917-1926**

	Establishments	Total wage-earners	Average number wage-earners per establishment	Average annual wage	Average hours per week	Average number of days worked per year per establishment	Average horsepower per wage-earner
	No.	No.	No.	\$	hrs.	days	h.p.
1917.....	9	927	103	423	53.6	294	0.5
1918.....	7	974	139	450	55.4	293	0.6
1919.....	8	1,235	154	500	53.0	295	0.8
1920.....	5	1,107	223	637	51.4	292	0.8
1921.....	5	871	174	670	50.2	276	0.8
1922.....	7	1,135	162	657	49.7	242	0.9
1923.....	7	1,135	162	656	49.7	290	0.9
1924.....	10	1,107	111	700	50.1	254	1.4
1925.....	11	1,561	142	698	50.1	273	2.0
1926.....	12	2,231	186	730	51.0	285	1.5

**Table 94a.—Silk Goods Industry: Employment of Wage-Earners by Months, 1924-1926**

	1924			1925			1926		
	Male	Female	Total	Male	Female	Total	Male	Female	Total
January.....	330	726	1,056	360	807	1,167	705	1,332	2,037
February.....	338	764	1,102	390	857	1,247	760	1,369	2,129
March.....	346	780	1,126	402	900	1,302	769	1,468	2,237
April.....	343	798	1,141	392	913	1,305	787	1,480	2,267
May.....	340	738	1,078	393	932	1,325	775	1,428	2,203
June.....	332	729	1,061	637	1,045	1,682	772	1,429	2,201
July.....	338	758	1,096	664	1,046	1,710	782	1,424	2,206
August.....	341	778	1,119	653	1,072	1,725	787	1,442	2,229
September.....	358	791	1,149	666	1,070	1,736	780	1,491	2,271
October.....	361	783	1,144	670	1,085	1,755	802	1,483	2,285
November.....	350	758	1,108	684	1,196	1,880	808	1,504	2,312
December.....	315	789	1,104	716	1,184	1,900	833	1,455	2,288
Average.....	341	766	1,108	552	1,009	1,561	781	1,450	2,231



Table 94b.—Silk Goods Industry: Hours of Work, 1925 and 1926

		Canada		Ontario		Quebec	
		Number	Per cent	Number	Per cent	Number	Per cent
Eight hours and less.....	1925	336	16.0	156	16.5	180	15.6
	1926	208	8.3	173	15.0	35	2.6
Nine hours.....	1925	1,272	60.6	738	78.2	534	46.2
	1926	1,754	70.2	985	85.0	769	57.5
Ten hours.....	1925	485	23.4	49	5.3	436	38.2
	1926	490	19.6	1		489	36.6
Over ten hours.....	1925	4					
	1926	46	1.9	1		45	3.3

**Power Installation.**—The power installed in the silk industry is presented below for the years 1924, 1925 and 1926. The equipment was not collected for the years under review, but will be asked for in future questionnaires.

Table 95.—Silk and Artificial Silk Industry: Power Installation, 1924, 1925 and 1926

Classes of power	1924		1925		1926	
	Number of units	Horse-power capacity	Number of units	Horse-power capacity	Number of units	Horse-power capacity
Steam engines and turbines.....	4	115	4	115	6	156
Hydraulic turbines and water wheels.....	3	225	3	225		
Electric motors operated by purchased power.....	313	1,682	4,377	2,575	4,500	3,127
Total power used in manufacturing.....	320	1,422	4,384	2,915	4,506	3,283
Electric motors operated by power generated at the factory.....	14	107	14	107		
Total electric motor installation.....	327	1,189	4,391	2,682	4,500	3,127
<b>Grand total power installation.....</b>	<b>334</b>	<b>1,529</b>	<b>4,398</b>	<b>3,022</b>	<b>4,506</b>	<b>3,283</b>

**Production and Imports.**—The domestic production, the imports and exports of silk and silk products are presented in Tables 96 and 97 for the calendar years 1924, 1925 and 1926. It will be noted that the Customs classification of silks and silk products does not correspond exactly with the output of the industries grouped under that name in the Census of Industry. In consequence the totals are not comparable. The domestic production of silk socks and stockings will be found under the Hosiery and Knit goods section of this report. For total output in Canada of any specific commodity reference should be made to Table 32.

Exports of silk and manufactures of silk were valued at \$413,533 in 1924, \$303,753 in 1925 and \$93,928 in 1926. In addition to this there was exported in 1926 artificial silk and manufactures of artificial silk to the value of \$33,646.

Table 96.—Production of Silk and Silk Goods, by Provinces, 1924, 1925 and 1926

	Canada		Ontario		Quebec	
	Quantity	Value	Quantity	Value	Quantity	Value
<b>1924</b>		\$		\$		\$
Broad silk, silk crepe, etc..... yd.	464,672	872,561	172,315	280,704	292,357	591,857
Silk thread, natural and artificial.....		1,135,969				1,135,969
All other products including custom work.....		2,372,704		936,252		1,436,452
<b>Total.....</b>		<b>4,381,234</b>		<b>1,216,956</b>		<b>3,164,278</b>
<b>1925</b>						
Broad silk, silk piece goods, etc..... yd.	354,815	572,683	220,900	353,103	133,915	219,580
Silk and silk mixed cloth.....	437,000	893,400	140,000	240,000	297,000	653,400
All other products including custom work.....		4,017,280		1,619,363		2,397,917
<b>Total.....</b>		<b>5,483,363</b>		<b>2,212,466</b>		<b>3,270,897</b>
<b>1926</b>						
Broad silk, silk piece goods, etc..... yd.	1,205,930	1,960,816	606,770	976,656	599,160	984,160
Silk and artificial silk yarns and thread..... lb.	2,435,619	4,552,254	2,127,533	3,341,819	308,086	1,216,086
All other products including custom work.....		1,994,083		257,208		1,216,086
<b>Total.....</b>		<b>8,507,153</b>		<b>4,575,741</b>		<b>3,406,252</b>

Table 97a.—Imports of Real Silk and Silk Goods, 1925 and 1926

Articles imported	United Kingdom		United States		Other Countries		All Countries, value only
	Quantity	Value	Quantity	Value	Quantity	Value	
1925		\$		\$		\$	\$
Raw Materials—							
Silk cocoons or silk waste.....		225		13,259			13,259
Silk, raw or as reeled from cocoon, not manufactured..... lb.			407,017	2,621,640	64,930	406,758	3,028,398
Partly Manufactured Materials—							
Silk spun not coloured, n.o.p..... lb.	343	1,193	538	2,902	1,941	4,767	8,862
Silk in the gum or spun for manufacture of underwear, labels, etc. “	37,870	110,818	7,763	47,745	2,804	12,216	170,779
Sewing and embroidery silk, silk twist, etc.....		106,441		37,045		2,353	145,839
Manufactured Articles—							
Bolting cloth not made up.....		235		45,546		648	46,429
Handkerchiefs, silk.....		66,301		1,958		222,775	291,034
Ribbons of all kinds and materials.....		100,651		278,110		801,389	1,180,150
Silk cloth woven in the gum not boiled or bleached.....		2,134		16		1,708,434	1,710,584
Silk fabrics for manufacture of neckties.....		30,547		540,618		351,030	922,195
Silk fabrics, n.o.p.....		896,134		1,568,916		8,544,225	11,009,275
Velvets..... yd.	570,828	722,783	32,281	57,731	472,832	518,535	1,299,049
Blouses and shirt waists, silk.....		3,204		16,837		69,939	89,980
Shawls, silk.....		2,008		1,684		6,754	10,446
Shirts, silk..... doz.	40	1,317	20	940	234	6,021	8,278
Socks and stockings, silk..... doz. pr.	3,729	34,015	59,858	548,161	1,274	14,964	597,140
Undershirts and drawers, silk.....		733		1,334		4,347	6,414
Clothing, silk, n.o.p.....		275,911		1,003,234		855,563	2,134,708
Silk and all manufactures of, n.o.p.....		74,845		131,951		101,773	308,569
Total.....		2,429,495		6,019,627		13,632,491	22,981,613
1926							
Raw Materials—							
Silk cocoons or silk waste.....				12,642		662	13,304
Silk, raw or as reeled from the cocoon, not manufactured..... lb.	800	3,748	544,340	3,381,236	75,853	465,301	3,850,285
Partly Manufactured Materials—							
Silk spun not coloured, n.o.p..... lb.			809	4,232	337	1,445	5,677
Silk in the gum or spun for the manufacture of underwear, labels, etc..... “	33,232	110,627	9,769	55,969	8,075	37,081	203,677
Sewing and embroidery silk, silk twist, etc..... “		113,470		41,973		2,445	157,888
Manufactured Articles—							
Bolting cloth not made up.....		128		40,881		3,376	44,385
Handkerchiefs, silk.....		78,022		2,935		327,541	409,498
Ribbons of all kinds and materials.....		72,800		262,398		933,280	1,268,478
Silk cloth, woven in the gum for dyeing and finishing.....		9,756		1,004		3,357,664	3,368,424
Silk fabrics for manufacture of neckties.....		26,190		721,015		371,675	1,118,880
Silk fabrics, n.o.p.....		707,425		1,937,764		10,778,442	13,423,631
Velvets..... yd.	723,695	973,076	37,949	45,843	563,678	634,423	1,633,345
Blouses and shirt waists, silk.....		1,528		6,317		8,732	16,577
Shawls, silk.....		2,843		16,482		28,080	48,305
Shirts, silk..... doz.	14	767	46	1,884	174	4,731	7,382
Socks and stockings, silk..... “ pr.	5,330	39,554	76,740	690,626	4,732	44,415	774,565
Undershirts and drawers, silk.....		869		7,545		3,790	12,204
Clothing, silk, n.o.p.....		333,816		1,033,870		1,436,542	2,804,228
Silk and all manufactures of, n.o.p.....		86,153		177,328		202,529	466,010
Totals.....		2,560,775		8,441,944		18,642,054	29,645,773

Table 97b.—Imports of Artificial Silk and Silk Goods, 1924, 1925 and 1926

Articles imported	United Kingdom		United States		Other Countries		All Countries
	Quantity	Value	Quantity	Value	Quantity	Value	Value only
1924		\$		\$		\$	\$
Partly manufactured—							
Artificial silk yarn not coloured..... lb.	1,259,137	1,824,647	127,922	221,987	218,519	362,045	2,408,679
Artificial silk tops and waste..... "	7,400	5,407	73,090	43,054	3,692	2,894	51,355
Artificial silk yarns, n.o.p..... "	16,339	25,893	10,323	28,549	5,489	8,515	62,957
Wholly Manufactured—							
Artificial silk fabrics, etc., n.o.p.....		455,253		135,746		304,787	895,786
Manufactures of artificial silk, etc., n.o.p.....		19,072		6,051		14,550	40,573
Total.....		2,330,272		436,287		692,791	3,459,350
1925							
Partly Manufactured—							
Artificial silk yarn not coloured..... lb.	1,109,362	1,878,510	55,115	87,154	580,268	828,762	2,494,426
Artificial silk tops and waste..... "	20,165	13,444	100,117	58,784	131,792	103,025	175,183
Artificial silk yarns, n.o.p..... "	12,468	22,606	3,270	8,479	859	1,975	33,060
Wholly Manufactured—							
Artificial silk fabrics, n.o.p.....		1,077,652		204,672		499,221	1,781,545
Socks and stockings of artificial silk, doz. pr.	2,403	16,106	8,934	36,404	1,563	14,062	56,572
Manufactures of artificial silk, etc., n.o.p.....		23,995		23,976		15,778	63,749
Total.....		3,032,313		419,469		1,462,823	4,914,605
1926							
Partly Manufactured—							
Artificial silk yarn not coloured..... lb.	191,309	333,297	67,719	127,572	1,065,884	1,234,967	1,695,836
Artificial silk tops and waste..... "	68,841	28,099	339,929	131,890	27,303	19,540	179,529
Artificial silk yarns, n.o.p..... "	23,038	36,717	2,753	6,368	15,040	22,800	65,885
Wholly Manufactured—							
Artificial silk fabrics, n.o.p.....		2,023,474		426,641		883,379	3,333,494
Socks and stockings of artificial silk, doz. pr.	6,326	44,321	12,337	43,650	1,362	7,088	95,959
Manufactures of artificial silk, etc., n.o.p.....		46,541		40,252		42,920	129,713
Total.....		2,512,449		776,373		2,211,594	5,500,416

## CHAPTER VII

### THE HAT AND CAP INDUSTRY (INCLUDING FACTORY MILLINERY)

Before 1921 the statistics of the hat, cap and fur manufactures were combined in a common total; since that year the hat and cap industry has been assigned to a separate group, the principal statistics of which are given in Table 98.

In 1921 there were 94 establishments using a capital of \$5,669,439, employing 2,328 persons and manufacturing goods of a net value of \$4,883,018. 1922 recorded a decline in the number of establishments, a decrease in invested capital and a slight fall in the value added by manufacture. From 1922 to 1926 the annual returns show the steady growth of the industry. In the latter year there were 138 firms reporting in this group, 62 in Quebec, 60 in Ontario, 7 in Manitoba, 3 in Alberta and 6 in the remaining provinces. Capital invested was \$7,107,380, 25.4 per cent greater than in 1921; of the total capital, \$3,847,943 or 54.1 per cent was used by the 60 firms operating in Ontario; \$2,710,263 or 38.1 per cent was used by the 62 concerns in Quebec.

The number of employees in 1926 was 4,187, of whom 514 were salaried and 3,673 were wage-earners; of the wage-earners in the industry 1,713 were employed in Ontario, and 1,744 in Quebec.

It will be noted that both the gross and net value of the product of the industry have increased each year since 1922 until in 1926 they amounted to \$13,671,126 and \$6,900,600 respectively. Of the value added by manufacture Ontario contributed \$3,317,334, and Quebec \$3,153,758.

**Employment and Hours of Labour.**—The principal employment statistics of the industry presented here for the years 1921-26 are not altogether satisfactory. For example the average annual wage in Ontario in 1921, as shown in Table 99, was \$1,119 and in 1922, \$909, while in the same years in the same industries average wages in Quebec rose from \$783 per annum to \$944; what is even more surprising, the percentage of female wage-earners was greater in Quebec in 1922 than in 1921, while in Ontario there were relatively more women employed in 1921 than 1922. Such variations in average annual wages can only be ascribed to inadequate or inaccurate information supplied to the Census of Industry.

From 1923 to 1925 average annual wages fell, increasing slightly to 830 in 1926, while the average working week was slightly lengthened. The number of hours worked per day by wage-earners in the month of highest employment in 1926 show that in Quebec 66.4 per cent of the wage-earners worked eight hours or less while in Ontario 67.6 per cent worked eight hours or less. Taking the Dominion as a whole, the number of hours worked per day has increased in 1926 (Table 100 b.). In 1925, 71.7 per cent of the wage-earners worked 8 hours or less, while in 1926 this has been decreased to 65 per cent, thereby increasing the number of those who worked 9 hours per day and over.



Table 98.—Hats and Caps: Summary Statistics, 1921-1926

	Number of establishments	Fixed capital	Working capital	Salaried employees	Total salaries	Wage-earners		Total wages	Cost of fuel	Power installed	Cost of materials	Selling value of product	Value added by manufacture
						Male	Female						
		\$	\$	No.	\$	No.	No.	\$	\$	H.P.	\$	\$	\$
1921—Canada.....	94	1,386,139	4,283,300	353	668,252	902	1,073	1,920,322	61,162	1,223	4,807,681	9,690,699	4,883,018
Quebec.....	28	387,329	1,473,459	114	214,804	333	472	630,392	23,641	706	1,760,354	3,374,943	1,614,589
Ontario.....	51	930,230	2,260,602	197	394,938	622	542	1,191,069	34,180	453	2,729,443	5,660,698	2,931,255
Manitoba.....	8	11,962	147,535	5	11,950	15	17	32,105	513	10	103,910	208,694	104,784
1922—Canada.....	83	1,430,324	3,602,649	400	714,515	946	1,199	1,958,274	62,115	1,591	4,469,207	9,292,255	4,823,048
Quebec.....	28	305,004	1,245,293	156	224,975	284	464	706,309	23,474	921	1,739,742	3,560,608	1,820,926
Ontario.....	39	997,467	1,924,932	219	442,856	598	603	1,092,800	36,003	597	2,349,608	5,003,393	2,653,785
Manitoba.....	7	14,541	79,683	3	14,504	15	29	40,026	240	8	138,338	222,906	84,568
1923—Canada.....	102	1,759,578	4,006,155	393	831,249	1,069	1,511	2,404,101	55,235	1,643	5,046,794	9,968,321	4,921,527
Quebec.....	34	458,248	1,636,603	230	335,021	360	688	916,139	6,216	941	2,090,349	3,956,018	1,865,669
Ontario.....	49	1,221,968	2,052,212	227	439,842	639	707	1,342,935	45,719	629	2,623,404	5,272,206	2,648,802
Manitoba.....	8	19,214	82,983	5	19,738	15	26	37,176	280	16	103,633	180,675	77,042
1924—Canada.....	109	2,080,643	4,575,057	393	666,474	1,186	1,624	2,507,873	68,595	1,673	5,152,962	10,373,987	5,221,025
Quebec.....	41	501,518	1,766,028	184	276,018	409	751	968,212	17,750	853	2,169,008	4,358,953	2,189,945
Ontario.....	49	1,470,565	2,451,155	184	347,004	710	767	1,403,573	47,459	734	2,684,672	5,368,545	2,683,873
Manitoba.....	7	17,449	60,708	3	7,940	16	23	33,138	554	16	51,474	122,959	71,185
Alberta.....	4	23,400	40,900	4	7,900	4	13	13,089	231	8	36,154	79,669	43,515
British Columbia.....	4	4,548	6,262	1	2,032	3	5	7,822	341	5	10,156	25,519	15,363
New Brunswick.....	3	18,702	28,489	4	8,780	7	18	16,339	727	7	42,796	75,932	33,136
1925—Canada.....	119	2,170,864	4,998,027	427	710,133	1,339	2,016	2,744,039	58,522	1,362	5,891,213	11,862,745	5,971,532
Quebec.....	54	578,585	1,996,622	224	323,626	567	1,052	1,209,571	21,576	658	2,702,629	5,251,510	2,548,881
Ontario.....	50	1,440,868	2,661,872	169	342,166	658	868	1,395,384	34,070	626	2,896,256	5,940,022	3,043,766
Manitoba.....	5	19,169	65,105	2	4,940	12	26	33,357	317	14	80,750	154,658	73,908
Alberta.....	4	23,118	35,523	5	8,740	5	12	13,196	196	11	29,645	62,568	32,923
1926—Canada.....	138	1,884,637	5,222,743	514	877,630	1,390	2,283	3,047,868	65,471	1,342	16,770,526	13,671,126	6,900,600
Quebec.....	62	465,368	2,244,895	299	455,328	583	1,101	1,362,358	25,951	662	2,947,098	6,101,634	3,153,758
Ontario.....	60	1,260,450	2,587,493	186	386,905	723	990	1,527,450	36,346	599	3,510,012	6,827,416	3,317,334
Manitoba.....	7	22,656	94,335	2	4,432	20	43	51,108	395	20	100,027	210,915	110,888
Alberta.....	3	20,865	32,105	2	3,142	5	12	14,114	167	9	29,806	63,586	33,780

Table 99.—Hats and Caps: Principal Employment Statistics, 1921-1926

	Number of estab- lish- ments	Number of wage- earners	Average annual wage \$	Average number of hours worked per week	Average number of days worked per plant during year
1921—Canada.....	94	1,975	922	45.2	253
Quebec.....	28	805	783		
Ontario.....	51	1,064	1,119		
1922—Canada.....	83	2,145	913	46.2	263
Quebec.....	28	748	944		
Ontario.....	39	1,201	909		
1923—Canada.....	102	2,580	932	43.8	266
Quebec.....	34	1,048	874	45.6	266
Ontario.....	49	1,340	997	41.3	265
1924—Canada.....	109	2,810	893	45.6	261
Quebec.....	41	1,160	834	45.2	267
Ontario.....	49	1,477	951	45.6	255
1925—Canada.....	119	3,355	818	46.8	269
Quebec.....	54	1,619	747	46.4	266
Ontario.....	50	1,566	891	46.7	278
1926—Canada.....	138	3,673	830	45.7	265
Quebec.....	62	1,744	781	46.1	262
Ontario.....	60	1,713	892	45.1	264

Table 100a.—Hats and Caps: Employment by Months, 1924-1926

	1924			1925			1926		
	Male	Female	Total	Male	Female	Total	Male	Female	Total
January.....	1,159	1,736	2,895	1,271	1,998	3,269	1,324	2,210	3,534
February.....	1,161	1,771	2,932	1,295	2,139	3,434	1,390	2,397	3,787
March.....	1,167	1,741	2,908	1,347	2,092	3,439	1,389	2,459	3,848
April.....	1,184	1,703	2,887	1,312	2,073	3,385	1,386	2,364	3,750
May.....	1,224	1,575	2,799	1,332	2,028	3,360	1,359	2,287	3,646
June.....	1,199	1,355	2,554	1,334	1,789	3,123	1,358	2,044	3,402
July.....	1,194	1,562	2,756	1,359	1,982	3,341	1,373	2,179	3,552
August.....	1,199	1,687	2,886	1,380	2,096	3,476	1,385	2,277	3,662
September.....	1,233	1,677	2,910	1,406	2,113	3,519	1,465	2,400	3,865
October.....	1,209	1,604	2,813	1,386	2,077	3,463	1,410	2,346	3,756
November.....	1,132	1,522	2,654	1,309	1,833	3,142	1,336	2,136	3,472
December.....	1,169	1,550	2,719	1,333	1,865	3,198	1,360	2,074	3,434
Average.....	1,186	1,624	2,810	1,339	2,016	3,355	1,390	2,283	3,673

Table 100b.—Hats and Caps: Hours of Labour, 1925 and 1926

	Number of wage-earners in month of highest employment, working							
	Canada		Ontario		Quebec		Other Provinces	
	Number	Per cent	Number	Per cent	Number	Per cent	Number	Per cent
Eight hours or less.....	1925 2,859	71.7	1,265	69.0	1,513	81.7	81.0	41.0
	1926 2,861	65.0	1,384	67.6	1,394	66.4	83.0	32.5
Nine hours.....	1925 893	22.4	562	31.0	214	11.6	117	59.0
	1926 1,185	26.9	643	31.4	400	19.1	142	55.7
Ten hours.....	1925 134	5.9	9		125	6.7		
	1926 320	7.3	21	1.0	299	14.3		
Over ten hours.....	1925							
	1926 36	0.8	1		5	0.2	30	11.8
Average number of hours work- ed per week.....	1925 46.8		46.7		46.4		47.5	
	1926 45.7		45.1		46.1		46.8	

**Power Installation.**—The power installed in the establishments carrying on the hat and cap industry showed a distinct decline between 1924 and 1926 as shown in Table 101.

**Table 101.—Hat and Cap Industry: Power Installation, 1924-1926**

Classes of Power	1924		1925		1926	
	Number of units	Horse-power capacity	Number of units	Horse-power capacity	Number of units	Horse-power capacity
<b>1924</b>						
Steam engines and turbines.....	8	306	8	417	7	399
Oil, gas and gasoline engines.....	2	6	1	4	1	4
Electric motors operated by purchased power.....	188	1,319	202	920	238	914
Total power used in manufacturing.....	198	1,631	210	1,337	246	1,317
Electric motors operated by power generated at the factory.....	15	42	7	25	7	25
Total electric motors.....	203	1,361	209	945	245	939
Total power installation.....	213	1,673	217	1,362	253	1,342

**Materials Used, Products and Imports.**—The values of the materials used in the industry in 1925 and 1926, quantities and values of articles made; and imports of hats and caps and materials used in the industry for the calendar years 1924, 1925 and 1926 are shown in Tables 102 to 104.

It may be noted that exports of hats and caps from Canada were valued at \$72,757 in 1924, \$89,705 in 1925, and \$89,023 in 1926, while imports of hats and caps and of partially manufactured materials used in the manufacture of hats and caps were valued at \$4,194,915 in 1924, \$5,403,608 in 1925, and at \$5,729,480 in 1926, and the value of domestic production in the same years was \$10,373,987, \$11,862,745 and \$13,671,126 respectively.

**Table 102.—Hat and Cap Industry: Cost of Materials Used, 1925 and 1926**

Principal Materials	Cost value
<b>1925</b>	
	\$
Felt, wool.....	\$228,010
Felt, fur.....	673,094
Velour.....	102,140
Woollen goods.....	674,480
Cotton and other goods.....	199,562
Silk and satin.....	602,409
All other linings.....	258,467
Velvets and plushes.....	231,022
Straw and straw plaits.....	709,407
Leather.....	140,251
Thread, buttons and fasteners.....	96,852
Other materials used.....	1,885,929
Total cost of materials used.....	5,891,213
<b>1926</b>	
Felt, wool.....	576,614
Felt, fur.....	412,584
Velour.....	72,374
Woollen goods.....	839,354
Cotton and other goods.....	99,273
Silk and satin.....	809,767
Ribbons.....	426,803
All other linings.....	212,391
Canvas wadding, etc.....	28,003
Straw and straw plaits.....	1,075,272
Leather for sweat bands.....	147,497
Thread, buttons and fasteners.....	88,484
Dyestuffs and chemicals.....	38,431
All other materials.....	1,943,679
Total cost of materials used.....	6,770,526

Table 103.—Hat and Cap Industry: Production by Quantities and Values, 1924, 1925 and 1926

	1924		1925		1926	
	Quantity doz.	Value \$	Quantity doz.	Value \$	Quantity doz.	Value \$
Caps, cloth and fur.....	180,657	1,978,401	179,386	2,048,580	227,576	2,461,321
Caps, uniform.....	4,484	132,797	3,476	92,218	25,261	111,927
Hats: fur felt—						
Men's.....	30,924	957,240	54,576	1,676,067	40,987	1,444,769
Women's.....	15,557	366,854	9,826	237,867	34,622	1,006,278
Hats: velour—						
Men's.....	6,720	233,484	3,936	119,740	17,439	512,908
Women's.....	723	26,139	3,416	135,509	9,531	281,869
Hats: wool—						
Men's.....	10,423	173,048	4,772	67,740	10,194	182,453
Women's.....	3,943	35,198	6,256	154,291	18,264	384,269
All other women's hats.....		1,132,191		2,443,959	96,905	2,564,326
Straw hats and shapes—						
Men's.....	37,250	374,171	29,533	454,658	36,977	611,000
Women's.....	91,401	2,133,272	120,232	1,698,333	87,582	1,880,268
Men's, women's and children's.....	91,608	468,012		491,854	48,800	320,451
Buckram shapes.....				417,953	164,347	347,642
Velvet hats and shapes.....	53,572	1,213,390		1,112,800	50,201	1,015,818
All other products.....		1,149,790		711,176		545,827
<b>Total.....</b>		<b>10,373,987</b>		<b>11,862,745</b>		<b>13,671,126</b>

Table 104.—Hat and Cap Industry: Imports, 1925 and 1926

Articles imported	1925				1926			
	United Kingdom	United States	Other Countries	All Countries	United Kingdom	United States	Other Countries	All Countries
	\$	\$	\$	\$	\$	\$	\$	\$
Hatters' fur not on the skin.....	48,514	252,427	338,702	639,643	18,095	244,223	483,674	745,992
Buckram adapted for manufacture of hat shapes.....	1,958	266,868	2,476	271,302	1,929	232,642	2,778	237,349
Hatters' bands and hat sweats, etc.	25,122	134,747	28,953	188,822	35,582	155,108	21,314	212,004
Hoods, unfinished of leghorn, palm leaf and grass.....	2,405	905	4,567	7,987	361		653	1,014
Braids or plaits of chip, palm leaf or straw, etc.....	16,785	218,751	260,417	504,953	15,873	223,107	266,204	505,184
Hat, cap and bonnet shapes and crowns.....	101,107	26,389	18,273	145,769	123,004	21,129	37,507	181,640
Ribbons, corded, etc., imported by hat manufacturer.....	9,786	157,546	35,833	203,165	6,519	223,613	62,937	293,099
Artificial feathers, leaves, flowers, etc.....	35,421	276,842	178,112	490,375	24,524	184,487	252,151	461,162
Hats and caps of fur.....	469	323	67	859	37	576		613
Hats of felt.....	485,802	299,532	360,742	1,146,136	583,887	299,582	402,703	1,286,172
Caps, cloth.....	63,246	49,826	616	113,688	44,714	47,028	801	92,543
Hats, caps and bonnets of straw, grass or chip.....	277,506	461,689	68,378	807,573	270,396	298,479	106,576	675,451
Hats, caps and bonnets, n.o.p.....	203,143	610,217	70,996	884,356	404,811	519,760	112,711	1,037,287
<b>Totals.....</b>	<b>1,271,414</b>	<b>2,756,062</b>	<b>1,377,132</b>	<b>5,404,608</b>	<b>1,529,737</b>	<b>2,449,734</b>	<b>1,756,009</b>	<b>5,729,480</b>



## CHAPTER VIII

### THE MEN'S FACTORY CLOTHING INDUSTRY

In 1926 there were 188 establishments listed in the Men's Factory Clothing industry; 123 were in Quebec, 53 in Ontario, 4 in Manitoba, 3 in New Brunswick, 2 in Alberta, 2 in Nova Scotia, and 1 in British Columbia. Included in the above total are 20 clothing contractors, of whom 18 operated in the province of Quebec and the remaining 2 in Ontario. This concentration of the men's factory clothing business in Quebec and, more particularly, in the Island of Montreal, is clearly shown in Table 105.

In 1917, 55.3 per cent of the firms in this industry were located in Quebec and 40 per cent were in Ontario; nine years later 65.4 per cent of the establishments reporting were in Quebec and only 28.2 per cent were in Ontario. The same trend is perceptible in the course of the capital investment in the industry; in 1917 the fixed capital used in Quebec was 44.7 per cent and that in Ontario 43.4 per cent of the Dominion total for the industry. In 1926 the fixed capital used in Quebec was valued at \$2,987,270, 56.4 per cent of the investment of fixed capital in the men's factory clothing industry, while in Ontario the value of land, buildings, machinery and fixtures was \$2,142,275, or 40.4 per cent of the Dominion total.

The total capital investment in the industry was \$23,219,325 in 1917—by 1926 it had increased to \$25,826,383. This increase was confined to the province of Quebec, for in Ontario and the other provinces the capital used in 1926 was \$844,312 less than in 1917.

The total number of employees was 10,357 in 1917, rose to 12,734 in 1920, fell to 9,778 in 1922, rose to 10,963 in 1924, fell again in 1925 to 10,818, and then rose to 11,147 in 1926, the highest figure attained since 1920. Value added by manufacture was \$19,839,212 in 1926, \$1,493,088 more than in 1925 and higher than in any year since 1921.

**Principal Employment Statistics.**—From table 106a, presenting the principal employment statistics of the industry, it will be noticed that average annual wages are higher and average hours of work shorter than in any other major industry in the Textiles group.

March and September were the months of maximum employment in the years 1924 and 1925 and September and October in 1926. May and December were the corresponding months of lowest employment for the first 2 years while in 1926 February and December were the months of lowest employment (Table 107a).

It will be noted that in 1925, 59.7 per cent of all wage-earners in the industry worked 8 hours or less per day, including 54.0 per cent of the wage-earners in Quebec and 74.1 per cent of those in Ontario. In 1926, however, the number of hours worked per day has increased. In the Dominion, 53 per cent of the wage-earners worked nine hours per day or more as against 40.3 per cent in 1925 (Table 107 b).

Table 105.—Men's Factory Clothing Industry: Principal Statistics, 1917-1926

—	Number of estab-lish-ments	Fixed capital	Working capital	Salaried em-employees	Total salaries	Wage-earners		Total wages	Cost of fuel	Power installed	Cost of materials	Selling value of product	Value added by manu-facture
						Male	Female						
		\$	\$	No.	\$	No.	No.	\$	\$	H.P.	\$	\$	\$
1917—Canada.....	170	3,612,756	19,706,569	1,758	2,152,032	3,981	4,618	5,281,217	60,800	2,087	16,130,155	31,334,575	15,145,320
Quebec.....	94	1,672,333	11,379,403	1,029	1,188,256	2,374	2,724	3,009,530	30,819	1,099	8,744,573	17,012,920	8,268,347
Ontario.....	68	1,524,215	7,824,559	677	934,837	1,519	1,639	2,117,382	28,501	940	7,123,333	13,416,225	6,292,892
Other Provinces.....	8	316,208	502,607	52	28,939	88	255	164,290	1,480	48	321,249	805,380	484,131
1918—Canada.....	147	3,035,111	22,668,684	1,410	2,280,975	3,586	3,965	5,279,774	78,573	1,400	18,121,914	33,835,793	15,713,879
Quebec.....	83	1,500,303	12,680,595	704	1,199,939	2,128	2,346	2,981,393	11,672	637	10,597,449	18,858,716	8,261,267
Ontario.....	57	1,403,989	9,352,991	673	1,044,955	1,425	1,434	2,184,898	57,439	702	7,109,323	14,254,833	7,145,510
Other Provinces.....	7	130,819	635,098	33	39,081	33	185	113,483	9,362	61	415,142	722,244	307,102
1919—Canada.....	145	3,349,386	23,944,015	1,744	2,829,341	4,176	4,721	8,132,161	48,868	1,786	25,842,772	47,780,306	21,937,534
Quebec.....	82	1,846,474	14,018,358	989	1,477,810	2,394	2,935	4,856,167	19,806	585	15,824,629	28,114,761	12,290,132
Ontario.....	57	1,373,906	9,564,613	695	1,306,193	1,752	1,622	3,166,383	25,862	1,139	9,662,401	19,020,285	9,357,884
Other Provinces.....	6	129,006	361,014	60	45,338	30	164	109,611	3,200	62	355,742	645,260	289,518
1920—Canada.....	196	5,296,758	32,623,246	1,734	3,897,386	5,058	5,942	12,702,951	91,892	1,257	34,589,605	62,066,487	27,476,882
Quebec.....	117	3,417,273	19,950,859	1,008	2,278,737	3,028	3,812	8,078,624	47,743	514	22,689,383	39,500,732	16,811,369
Ontario.....	72	1,750,544	11,981,643	663	1,551,490	2,012	1,978	4,524,055	39,925	727	11,464,947	21,937,255	10,472,308
Other Provinces.....	7	128,941	690,744	63	67,159	18	152	100,272	4,224	16	435,275	628,680	193,405
1921—Canada.....	162	4,983,198	25,261,186	1,658	3,286,267	4,044	4,419	8,765,158	73,031	1,556	22,673,081	43,766,507	21,093,486
Quebec.....	93	3,305,450	15,844,748	990	1,902,631	2,454	2,844	5,367,044	34,317	592	14,491,483	27,623,423	13,131,940
Ontario.....	62	1,535,235	8,947,700	591	1,284,552	1,542	1,403	3,220,277	35,535	902	7,682,316	15,394,699	7,712,383
Other Provinces.....	7	142,513	468,738	77	99,084	48	172	177,837	3,179	62	499,282	748,445	249,163
1922—Canada.....	148	4,619,607	20,499,465	1,358	2,788,085	3,813	4,607	7,863,109	80,548	1,740	18,481,429	35,135,395	16,653,966
Quebec.....	74	2,814,181	10,993,038	612	1,365,365	1,880	2,657	4,323,354	36,489	941	10,403,701	19,158,068	8,754,367
Ontario.....	65	1,741,925	9,047,575	693	1,348,167	1,852	1,712	3,328,056	40,386	715	7,621,078	15,281,570	7,660,492
Other Provinces.....	9	63,501	368,852	53	74,553	72	238	211,699	3,673	84	456,650	695,757	239,107
1923—Canada.....	153	4,912,144	17,506,609	1,372	2,786,487	3,960	4,657	8,263,337	72,323	1,316	18,355,897	35,855,242	17,499,345
Quebec.....	80	3,239,107	11,190,655	755	1,545,781	2,254	2,890	5,054,007	40,131	646	11,582,093	21,833,480	10,251,387
Ontario.....	65	1,652,403	6,186,487	592	1,213,114	2,605	1,639	3,106,404	29,702	595	6,543,620	13,646,239	7,102,619
Other Provinces.....	8	20,634	129,467	25	27,592	41	128	102,926	2,490	72	230,184	375,523	145,339
1924—Canada.....	170	4,878,650	18,097,412	1,282	2,483,722	4,532	5,149	8,808,186	75,716	1,873	18,245,874	36,403,293	18,157,419
Quebec.....	101	2,607,386	11,937,608	715	1,267,498	2,629	3,315	5,477,900	41,047	862	11,566,172	22,469,432	10,903,260
Ontario.....	59	1,816,027	5,901,971	521	1,171,281	1,821	1,605	3,121,837	33,403	604	6,192,811	13,124,750	6,932,569
Other Provinces.....	10	155,237	257,833	46	44,943	82	229	208,449	1,266	407	487,521	809,111	321,590
1925—Canada.....	175	4,968,234	19,212,114	1,282	2,399,322	4,469	5,067	9,053,013	86,331	1,692	19,890,260	38,236,384	18,346,124
Quebec.....	112	3,228,897	12,752,124	681	1,210,896	2,703	3,464	5,437,828	43,239	997	12,621,405	23,218,979	10,597,574
Ontario.....	54	1,575,082	6,132,085	556	1,130,721	1,079	1,325	3,307,987	39,356	624	6,695,462	14,037,515	7,342,053
Other Provinces.....	9	163,655	327,905	45	57,705	87	278	217,198	3,736	71	573,890	979,890	406,497
1926—Canada.....	188	5,301,465	20,524,018	1,358	2,619,740	4,523	5,266	9,878,835	102,235	1,902	21,944,919	41,784,131	19,839,212
Quebec.....	123	2,987,270	13,515,836	738	1,361,747	2,717	3,456	5,968,035	47,499	1,043	14,101,451	25,664,154	11,562,703
Ontario.....	53	2,142,275	6,585,354	571	1,192,219	1,694	1,477	3,611,132	50,839	776	7,162,411	14,943,320	7,780,909
Other Provinces.....	12	171,920	423,728	49	65,785	112	333	299,668	3,897	83	681,057	1,176,657	495,600

Table 106a.—Men's Factory Clothing Industry: Principal Employment Statistics, 1917-1926

	Total number wage- earners	Total wages	Average annual wage	Average number of hours worked per week	Average number of days plant was in operation during the year
1917—Canada.....	8,509	\$ 5,281,217	\$ 614	49.0	278
Quebec.....	5,098	3,009,539	500	50.2	276
Ontario.....	3,158	2,117,382	670	47.5	281
1918—Canada.....	7,551	5,279,774	699	47.8	277
Quebec.....	4,474	2,981,393	666	49.4	278
Ontario.....	2,859	2,184,898	764	45.1	271
1919—Canada.....	8,897	8,132,161	914	46.7	277
Quebec.....	5,329	4,856,167	911	47.7	279
Ontario.....	3,374	3,166,383	938	45.0	273
1920—Canada.....	11,000	12,702,951	1,155	45.8	252
Quebec.....	6,840	8,078,624	1,181	46.0	258
Ontario.....	3,990	4,524,055	1,134	45.6	243
1921—Canada.....	8,463	8,765,158	1,035	42.1	229
Quebec.....	5,298	5,367,044	1,013	41.6	224
Ontario.....	2,945	3,220,277	1,093	42.5	232
1922—Canada.....	8,420	7,863,109	934	44.3	254
Quebec.....	4,546	4,323,354	951	43.0	249
Ontario.....	3,504	3,328,056	934	45.8	258
1923—Canada.....	8,617	8,263,337	959	45.5	260
Quebec.....	5,144	5,054,007	982	46.6	269
Ontario.....	3,304	3,106,404	910	44.1	248
1924—Canada.....	9,681	8,808,186	910	45.6	256
Quebec.....	5,944	5,477,900	921	46.0	258
Ontario.....	3,426	3,121,837	911	44.7	250
1925—Canada.....	9,536	9,053,013	949	46.6	260
Quebec.....	6,167	5,437,828	882	47.3	259
Ontario.....	3,004	3,397,987	1,131	45.1	258
1926—Canada.....	9,780	9,878,835	1,009	46.2	264
Quebec.....	6,173	5,968,035	967	47.0	260
Ontario.....	3,171	3,611,132	1,139	44.6	267

Table 106b.—Factory Clothing Industry: Hours of Labour and Sample of Wages Paid, 1920-1926

(Compiled by the Department of Labour)

Occupation	Unit	1920		1921		1922		1923		1924		1925		1926	
		Wages	Hrs per wk.	Wages	Hrs per wk.	Wages	Hrs per wk.	Wages	Hrs per wk.	Wages	Hrs per wk.	Wages	Hrs per wk.	Wages	Hrs per wk.
CLOTHING MANUFACTURING		\$		\$		\$		\$		\$		\$		\$	
Cutters—															
No. 1.....	Week			40 00	44	37 00	44	37 00	44	37 00	44	37 00	44	37 00	44
No. 2.....	Week			40 00	44	37 00	44	37 00	44	37 00	44	37 00	44	37 00	44
No. 3.....	Week			15 00	47	15 00	50	37 00	50	30 00	50	35 00	50		
No. 4.....	Week			35 00	44	35 00	44	40 00	44	40 00	44	45 00	44	45 00	44
No. 5.....	Week			20 30	44	33 00	44	40 00	44	23 72	44	29 00	44	33 87	44
No. 6.....	Week			26 40	44	18 00	44	18 00	44	18 00	44	18 00	44	18 00	44
No. 7.....	Week			33 00	44	33 00	44	33 00	44	33 00	44	33 00	44	33 00	44
No. 8.....	Week			30 00	52	33 00	52	33 00	52	33 00	52	33 00	52	34 00	52
No. 9.....	Week			34 00	44	30 50	44	30 00	44	30 60	44	30 60	44	30 60	44
No. 10.....	Week			24 00	46½	20 00	46½	20 00	46½	20 00	46½	20 00	46½	20 00	46½
No. 11.....	Week	45 00	44	40 00	44	38 00	44	38 00	44	38 00	44	38 00	44	38 00	44
No. 12.....	Week	28 00	44	28 00	44	28 00	44	28 00	44	25 00	44	25 00	44	25 00	44
No. 13.....	Week	45 00	44	40 00	44	38 00	44	38 00	44	38 00	44	38 00	44	38 00	44
No. 14.....	Week	39 00	44	39 00	44	35 00	44	35 00	44	35 00	44	35 00	44	35 00	44
No. 15.....	Week	25 00	44	25 00	44	25 00	44	25 00	44	25 00	46½	25 00	46½	25 00	46½
No. 16.....	Week			38 00	44	26 00	44	30 00	44	36 00	44	36 00	44	36 00	44
No. 17.....	Week	16 00	44	19 00	44	24 00	44	35 00	44	25 00	44	25 00	44	27 00	44
No. 18.....	Week			35 00	44	35 00	44	25 00	44	35 00	44	35 00	44	36 00	44
No. 19.....	Week			40 00	44	40 00	44	40 00	44	40 00	44	40 00	44	40 00	44

Table 106b.—Factory Clothing Industry: Hours of Labour and Sample of Wages Paid, 1920-1926—Concluded

(Compiled by the Department of Labour)

		1920		1921		1922		1923		1924		1925		1926	
Congregation	Unit	Wages	Hrs per wk.	Wages	Hrs per wk.	Wages	Hrs per wk.	Wages	Hrs per wk.	Wages	Hrs per wk.	Wages	Hrs per wk.	Wages	Hrs per wk.
		\$		\$		\$		\$		\$		\$		\$	
CLOTHING MANUFACTURING—															
Pressors—															
No. 1	Week			40 00	44	37 00	44	37 00	44	37 00	44	37 00	44	37 00	44
No. 2	Week			40 00	44	37 00	44	37 00	44	37 00	44	37 00	44	37 00	44
No. 3	Week			14 00	47	14 00	50	15 00	50	15 00	50	12 00	50		
No. 4	Week			36 00	44	36 00	44	36 00	44	36 00	44	40 00	44	40 00	44
No. 5	Week			21 00	44	21 00	44	23 00	44	25 00	44	28 00	44	29 00	44
No. 6	Week			42 07	44	25 25	44	29 69	44	36 73	44	27 00	44	27 00	44
No. 7	Week	35 20	44	35 20	44	35 00	44	33 00	44	33 00	44	33 00	44	33 00	44
No. 8	Week			34 00	44	30 60	44	30 60	44	30 60	44	30 60	44	30 60	44
No. 9	Week			27 00	44	24 30	44	24 30	44	26 00	44	25 00	44	25 00	44
No. 10	Week			18 00	46½	18 00	46½	18 00	46½	17 00	46½	18 00	46½	21 00	46½
No. 11	Week	45 00	44	40 00	44	37 00	44	37 00	44	37 00	44	37 00	44	37 00	44
No. 12	Week	14 00	44	14 00	44	15 00	44	15 00	44	15 00	44	16 00	44	16 00	44
No. 13	Week			40 00	44	37 00	44	37 00	44	37 00	44	36 00	44	36 00	44
No. 14	Week	45 00	44	40 00	44	37 00	44	37 00	44	38 00	44	37 00	44	37 00	44
No. 15	Week	30 00	44	30 00	44	27 50	44	27 50	44	27 50	44	27 50	44	27 50	44
No. 16	Week			40 00	44	37 00	44	37 00	44	37 00	44	37 00	44	37 00	44
No. 17	Week			27 00	44	27 00	44	27 00	44	27 00	44	27 00	44	27 00	44
No. 18	Week			40 00	44	37 00	44	37 00	44	37 00	44	37 00	44	37 00	44
No. 19	Week	37 00	44	37 00	44	27 00	44	27 00	44	17 00	44	17 00	44	13 00	44
No. 20	Week			33 00	44	33 00	44	30 00	44	32 50	44	32 50	44	30 00	44
Machine operators															
No. 1	Week			24 00	44	38 00	44	38 00	44	34 00	44	29 00	44	29 00	44
No. 2	Week			45 00	44	36 00	44	36 00	44	35 00	44	35 00	44	35 00	44
No. 3	Week					22 00	44	22 00	44	22 00	44	22 00	44	22 00	44
No. 4	Week			35 00	44	32 00	44	34 00	44	32 00	44	32 00	44	32 00	44
No. 5	Week			10 00	47	11 00	50	12 00	50	13 00	50	13 00	50		
No. 6	Week			19 00	47	19 00	50	20 00	50	18 00	50	18 00	50		
No. 7	Week			39 40	44	46 70	44	59 90	44	49 98	44	34 38	44	36 39	44
No. 8	Week			22 00	44	10 00	44	10 00	44	10 00	44	10 00	44	10 00	44
No. 9	Week			44 00	44	45 00	44	45 00	44	45 00	44	45 00	44	45 00	44
No. 10	Week			34 00	44	36 00	44	36 90	44	36 90	44	36 00	44	36 90	44
No. 11	Week			25 00	44	22 00	44	21 00	44	18 00	44	18 00	44	18 00	44
No. 12	Week			14 00	46½	13 00	46½	13 00	46½	13 50	46½	13 50	46½	13 50	46½
No. 13	Week			45 00	44	35 00	44	30 00	44	30 00	44	30 00	44	37 00	44
No. 14	Week			25 00	44	24 00	44	24 00	44	22 50	44	22 50	44	22 50	44
No. 15	Week			35 00	44	37 00	44	37 00	44	37 00	44	37 00	44	37 00	44
No. 16	Week			35 00	44	18 00	44	18 00	44	18 00	44	18 00	44	18 00	44
No. 17	Week			14 00	44	14 00	44	14 00	44	14 00	44	14 00	44	14 00	44
No. 18	Week			44 00	44	44 00	44	40 00	44	40 00	44	40 00	44	43 00	44
No. 19	Week			26 00	44	26 00	44	26 00	44	20 00	44	20 00	44	18 00	44
No. 20	Week			30 00	44	35 00	44	35 00	44	25 00	44	25 00	44	20 00	44
Disturbance makers—															
No. 1	Week			12 00	44	12 50	44	12 50	44	12 50	44	12 50	44	12 00	44
No. 2	Week			35 00	44	32 00	44	32 00	44	32 00	44	32 00	44	32 00	44
No. 3	Week			31 00	44	31 68	44	35 00	44	35 00	44	35 00	44	35 00	44
No. 4	Week			29 00	40	26 50	44	26 50	44	26 50	44	26 50	44	26 50	44
No. 5	Week			32 00	44	27 00	44	27 00	44	27 00	44	27 00	44	27 00	44
No. 6	Week			35 00	44	40 00	44	40 00	44	40 00	44	40 00	44	40 00	44
Finishers—															
No. 1	Week	24 00	44	24 00	44	19 00	44	19 00	44	19 00	44	16 00	44	16 00	44
No. 2	Week	12 00	44	12 00	44	12 00	44	12 00	44	12 00	44	12 00	44	12 00	44
No. 3	Week	18 00	44	18 00	44	18 00	44	18 00	44	18 00	44	18 00	44	18 00	44
No. 4	Week			16 00	44	16 00	44	16 00	44	16 00	44	16 00	44	15 00	44
No. 5	Week	24 00	44	24 00	44	22 00	44	22 00	44	22 00	44	22 00	44	22 00	44
No. 6	Week	24 00	44	24 00	44	18 00	44	20 00	44	21 00	44	20 00	44	20 00	44
No. 7	Week	27 00	44	24 00	44	22 00	44	22 00	44	22 00	44	22 00	44	22 00	44
No. 8	Week			22 00	44	20 00	44	18 25	44	20 00	44	18 00	44	18 50	44
No. 9	Week			23 00	44	18 50	44	18 50	44	18 50	44	18 50	44	18 50	44
No. 10	Week			24 00	44	22 00	44	22 00	44	22 00	44	22 00	44	22 00	44
No. 11	Week	14 00	44	14 00	44	14 00	44	14 00	44	14 00	44	14 00	44	14 00	44
No. 12	Week	20 00	44	20 00	44	20 00	44	18 00	44	18 00	44	18 00	44	18 00	44
No. 13	Week			18 00	44	18 00	44	18 00	44	18 00	44	18 00	44	19 00	44



Table 107a.—Men's Factory Clothing Industry: Employment by Months, 1924-1926

	1924			1925			1926		
	Male	Female	Total	Male	Female	Total	Male	Female	Total
January.....	4,519	5,060	9,579	4,473	4,805	9,278	4,154	4,735	8,889
February.....	4,601	5,298	9,899	4,540	4,963	9,503	4,438	4,949	9,387
March.....	4,826	5,409	10,235	4,590	5,046	9,636	4,561	5,173	9,734
April.....	4,621	5,195	9,816	4,478	4,942	9,420	4,543	5,142	9,685
May.....	4,350	5,027	9,377	4,203	4,818	9,021	4,369	5,110	9,479
June.....	4,555	5,148	9,703	4,485	5,054	9,529	4,404	5,109	9,513
July.....	4,695	5,152	9,847	4,524	5,089	9,613	4,543	5,288	9,831
August.....	4,723	5,248	9,971	4,624	5,173	9,797	4,571	5,330	9,901
September.....	4,745	5,381	10,126	4,587	5,105	9,692	4,722	5,502	10,224
October.....	4,544	5,130	9,674	4,487	5,180	9,667	4,703	5,591	10,294
November.....	4,133	4,970	9,103	4,331	4,988	9,319	4,476	5,310	9,786
December.....	4,077	4,766	8,843	4,178	4,772	8,950	4,247	5,115	9,362
Average.....	4,532	5,149	9,681	4,469	5,067	9,536	4,523	5,266	9,789

Table 107b.—Men's Factory Clothing Industry: Number of Wage-Earners by Hours of Work, in Month of Highest Employment, 1925 and 1926

		Canada		Ontario		Quebec	
		Number	Per cent	Number	Per cent	Number	Per cent
Eight hours and less.....	1925	6,398	50.7	2,398	74.1	3,821	54.0
	1926	5,059	47.0	2,279	67.2	2,565	37.5
Nine hours.....	1925	3,137	29.4	566	17.5	2,382	33.7
	1926	4,430	41.3	846	25.0	3,289	48.0
Ten hours.....	1925	1,055	9.9	195	6.0	860	12.3
	1926	1,103	10.3	182	5.4	919	13.5
Over ten hours.....	1925	84	1.0	76	2.4	.....	.....
	1926	152	1.4	83	2.4	69	1.0

**Power Installation, Products, etc.**—The power installed in the industry in the years 1924, 1925 and 1926 is shown in Table 108.

Table 109 presents the principal products with their selling values in 1924, 1925 and 1926, A marked increase in product is shown each year with 1926 showing an increase of \$5,380,838 as compared with 1924. Imports and exports of factory made clothing for the calendar years 1924, 1925 and 1926 will be found under "Imports and Exports of Woollen Goods" or cotton goods or silk goods, whichever the chief material used in the article may happen to be.

Table 108.—Men's Factory Clothing Industry: Power Installation, 1924-1926

	1924		1925		1926	
	Number of units	H.P. capacity according to manufacturers' rating	Number of units	H.P. capacity according to manufacturers' rating	Number of units	H.P. capacity according to manufacturers' rating
Steam engines and turbines.....	3	370	3	350	3	300
Oil, gas and gasoline engines.....	1	16	1	16		
Electric motors operated by purchased power.....	371	1,235	368	1,326	390	1,502
Total power for manufacturing purposes.....	375	1,621	372	1,692	393	1,802
Electric motors operated by power generated by the establishment.....	25	252			1	100
Total electric motors.....	396	1,487	368	1,326	391	1,602
Total power installation.....	400	1,873	368	1,326	394	1,902

Table 109.—Men's Factory Clothing Industry: Principal Products, by Values, 1924, 1925 and 1926

Principal Products	1924	1925	1926
	\$	\$	\$
Men's clothing—			
Suits.....	18,443,964	20,010,414	21,432,499
Trousers.....	4,513,225	4,389,442	4,574,132
Overcoats and topcoats.....	7,780,955	7,586,932	8,364,536
Boys' suits and pants.....	2,729,241	2,530,658	2,623,832
Boys' overcoats and reefers.....	790,362	785,709	641,676
Work clothing (denim).....	212,752	194,462	234,736
Work clothing (all other).....	705,436	683,099	780,658
Mackinaw coats.....	72,058	42,578	109,453
Women's clothing.....	38,276	10,811	19,321
All other products.....	594,671	1,158,503	2,279,799
Contract work, custom work, etc.....	522,353	834,776	723,489
Total.....	36,403,293	38,236,384	41,784,131

## CHAPTER IX

### THE WOMEN'S FACTORY CLOTHING INDUSTRY

The women's factory clothing industry included 385 establishments in 1926, of which total 172 were in Quebec, 187 in Ontario, 12 in Manitoba, 10 in British Columbia, 2 in New Brunswick, 1 in Alberta and 1 in Nova Scotia. The total for 1926 was greater by 11 than the total for 1925 and greater by 92 than the total for 1922, the first year of the present classification.

The combined capital used in the industry was valued at \$21,972,236 in 1926, an increase of \$267,280 over the previous year. Of the total capital used in the Dominion 37.9 per cent was employed in Quebec, and 58.3 per cent in Ontario—leaving 3.8 per cent for the remaining provinces.

The number of salaried employees has declined steadily since 1922, but the number of wage-earners has increased each year—so that in 1926, the total number employed, 13,987, was a new high mark for the industry. Of the 12,431 wage-earners in the industry 4,333 or 34.9 per cent were employed in Quebec, 7,480 or 60.2 per cent were employed in Ontario—with the remaining 4.9 per cent in the Maritime Provinces and the West.

The selling value of product at \$50,658,319 was \$3,878,548 greater than in 1925, and value added by manufacture was over a million dollars more than in the year before. The products of the industry will be found in the commodity index of production in Table 32.

Table 110.—Women's Factory Clothing Industry: Principal Statistics for the Dominion, 1917-1926, and by Provinces, 1922-1926

	Estab- lish- ments	Fixed capital	Working capital	Salaried employees	Total salaries	Wage-earners		Total wages	Cost of fuel	Power installed	Cost of materials used	Selling value of product	Value added by manu- facture
						Male	Female						
	No.	\$	\$	No.	\$	No.	No.	\$	\$	h. p.	\$	\$	\$
1917.....	172	5,017,194	12,672,055	1,244	2,613,173	3,416	7,883	6,747,794	59,709	2,594	15,505,720	32,174,842	16,669,122
1918.....	102	5,721,946	13,298,146	1,163	1,887,685	2,482	7,208	6,118,561	72,000	1,785	18,321,089	32,364,340	14,043,251
1919.....	231	4,268,094	19,075,577	1,454	2,720,346	2,091	7,329	9,062,555	49,499	2,404	24,358,284	44,381,117	20,022,833
1920.....	274	4,862,591	17,888,331	1,710	3,809,929	2,483	8,743	10,395,325	67,033	2,030	30,956,445	52,874,568	21,918,123
1921.....	176	3,483,449	10,211,397	1,127	2,685,661	2,092	5,265	7,526,444	47,013	1,976	18,617,634	35,256,026	16,648,392
1922—Canada*.....	293	4,936,283	13,850,778	1,676	3,494,763	2,555	8,485	9,342,695	63,968	2,912	21,840,782	41,653,514	19,812,732
Quebec.....	121	1,219,401	5,553,899	587	1,271,222	685	2,598	2,702,091	12,027	771	7,283,629	13,856,292	6,572,663
Ontario.....	150	3,626,028	7,783,077	1,029	2,107,777	1,774	5,468	6,270,291	50,704	2,027	13,773,977	26,293,828	12,489,851
Manitoba.....	7	47,915	165,364	23	53,890	48	179	188,236	77	82	323,678	718,845	395,167
British Columbia.....	10	16,249	217,030	20	39,989	22	104	103,253	320	11	279,902	481,161	201,259
1923—Canada.....	333	5,052,036	13,896,881	1,716	3,380,093	2,820	8,022	9,515,615	62,857	2,947	23,363,551	42,982,046	19,619,005
Quebec.....	138	1,204,018	5,390,834	579	1,109,994	733	2,025	2,797,622	11,010	798	7,463,049	13,750,572	6,296,423
Ontario.....	172	3,758,606	7,978,631	1,065	2,150,268	1,964	5,531	6,308,084	50,726	2,050	14,912,682	27,415,803	12,503,121
Manitoba.....	7	44,043	248,128	27	53,928	63	195	214,412	100	66	478,019	866,356	388,337
British Columbia.....	12	21,766	161,913	29	44,079	32	138	133,460	.....	12	317,546	569,628	252,082
1924—Canada.....	359	5,751,606	15,723,264	1,605	3,227,785	2,861	8,640	10,165,013	58,894	2,706	25,353,454	46,100,215	20,746,761
Quebec.....	157	1,438,522	6,052,055	493	955,912	817	2,795	3,129,653	11,466	396	9,006,901	16,179,658	7,162,747
Ontario.....	178	4,204,575	9,164,109	1,052	2,166,175	1,931	5,456	6,622,658	46,402	2,184	15,305,866	28,187,684	12,881,818
Manitoba.....	9	39,314	229,015	23	56,582	69	184	232,801	.....	84	634,051	970,036	335,985
British Columbia.....	12	41,293	152,280	22	29,204	23	109	114,451	.....	22	262,448	480,881	218,433
1925—Canada.....	374	5,631,945	16,073,011	1,579	3,131,437	3,187	8,724	10,489,300	56,791	3,210	27,105,143	46,779,771	19,674,628
Quebec.....	172	1,487,414	6,293,343	490	880,610	906	2,923	3,504,101	12,134	633	9,818,713	16,619,894	6,801,181
Ontario.....	179	4,033,548	9,111,602	1,032	2,148,014	2,077	5,395	6,711,371	44,138	2,483	16,110,263	28,094,100	11,983,837
Manitoba.....	9	40,103	304,062	25	60,867	115	270	332,283	.....	36	912,960	1,501,251	588,291
British Columbia.....	9	30,424	202,530	21	26,305	16	74	94,208	.....	23	169,026	370,649	201,623
1926—Canada.....	385	5,532,892	16,439,344	1,556	3,039,809	3,379	9,052	10,942,176	55,383	3,319	28,760,191	50,658,319	21,898,128
Quebec.....	172	1,605,109	6,714,328	515	990,997	1,006	3,267	3,613,201	12,018	699	10,839,645	18,745,178	7,905,533
Ontario.....	187	5,801,772	9,008,788	973	1,911,421	2,153	5,327	6,818,433	42,859	2,480	16,543,001	29,545,595	13,002,594
Manitoba.....	12	51,235	474,880	28	81,722	120	276	341,892	.....	79	881,837	1,614,099	632,862
British Columbia.....	10	35,718	150,150	26	38,266	27	117	122,749	.....	28	274,248	533,038	259,390

\*Dominion totals include returns for provinces with less than three establishments.



Table 111.—Women's Factory Clothing: Principal Employment Statistics for Canada, 1917-1926, and by Provinces, 1922-1926

	No. of establishments	No. of wage-earners	W.E. per establishment	Average amount of wages	Average number of days worked by plant per year
1917.....	172	11,299	66	\$ 597	277
1918.....	192	9,690	50	631	280
1919.....	231	9,420	41	962	271
1920.....	274	11,226	41	926	257
1921.....	176	7,357	42	1,023	257
1922—Canada*.....	293	11,040	37	846	265
Quebec.....	121	3,283	27	823	261
Ontario.....	150	7,242	48	866	266
Manitoba.....	7	227	32	829	281
British Columbia.....	10	126	13	819	285
1923—Canada.....	333	11,442	35	832	265
Quebec.....	138	3,358	24	833	256
Ontario.....	172	7,495	44	841	268
Manitoba.....	7	258	37	831	296
British Columbia.....	12	170	14	785	284
1924—Canada.....	359	11,501	32	884	265
Quebec.....	157	3,612	23	866	253
Ontario.....	178	7,387	41	896	273
Manitoba.....	6	253	42	913	283
British Columbia.....	12	132	11	864	287
1925—Canada.....	374	11,911	32	880	262
Quebec.....	172	3,889	23	849	252
Ontario.....	179	7,472	42	898	269
Manitoba.....	9	385	43	863	271
British Columbia.....	9	90	10	1,046	282
1926—Canada.....	385	12,431	32	880	270
Quebec.....	172	4,333	25	834	262
Ontario.....	187	7,480	40	912	275
Manitoba.....	12	396	33	863	294
British Columbia.....	10	144	14	852	273

\* Dominion totals include returns for provinces with less than three establishments.

Table 112a.—Women's Factory Clothing Industry: Employment by Months, 1924-1926

Month	1924			1925			1926		
	Male	Female	Total	Male	Female	Total	Male	Female	Total
January.....	2,811	8,102	10,913	3,097	7,922	11,019	3,095	8,040	11,135
February.....	2,901	8,569	11,470	3,286	8,903	12,189	3,531	8,874	12,405
March.....	2,981	9,089	12,070	3,471	9,353	12,824	3,636	9,231	12,867
April.....	3,010	9,123	12,133	3,328	9,358	12,686	3,554	9,187	12,741
May.....	2,728	9,008	11,736	2,967	9,000	11,967	3,179	8,995	12,175
June.....	2,628	8,832	11,460	2,938	8,808	11,746	3,079	8,889	11,968
July.....	2,788	8,661	11,449	3,093	8,370	11,463	3,239	8,752	11,991
August.....	2,942	8,370	11,312	3,258	8,331	11,589	3,389	8,793	12,182
September.....	3,046	9,082	12,128	3,331	8,630	12,261	3,537	9,336	12,873
October.....	3,013	8,967	11,980	3,310	9,169	12,479	3,508	9,633	13,141
November.....	2,793	8,160	10,953	3,077	8,523	11,600	3,236	9,091	12,327
December.....	2,691	7,716	10,407	2,844	7,784	10,628	3,064	8,512	11,576
Average.....	2,861	8,640	11,501	3,187	8,724	11,911	3,379	9,052	12,431

Table 112b.—Women's Factory Clothing Industry: Hours of Labour in Month of Highest Employment, 1925-1926

	Canada		Quebec		Ontario		Manitoba		British Columbia	
	Number	Per cent	Number	Per cent	Number	Per cent	Number	Per cent	Number	Per cent
Eight hours and less.....	1925 11,060	76.1	2,715	53.4	7,643	87.8	461	96.0	162	93
	1926 9,889	67.3	2,032	38.2	7,180	83.5	430	89.4	193	98
Nine hours.....	1925 3,164	21.9	2,165	42.4	966	11.1	20	4.0	.....	.....
	1926 4,356	29.6	3,026	56.8	1,243	14.4	51	10.6	4	2
Ten hours.....	1925 177	1.1	144	3.1	33	0.4	.....	.....	.....	.....
	1926 319	2.2	169	3.2	142	1.7	.....	.....	.....	.....
Over ten hours.....	1925 128	0.9	59	1.1	58	0.7	.....	.....	11	7
	1926 132	0.9	96	1.8	36	0.4	.....	.....	.....	.....
Average number of hours worked per week.....	1925 45.8	.....	46.8	.....	45.1	.....	45.1	.....	48	.....
	1926 46.2	.....	47.4	.....	45.1	.....	45.3	.....	44	.....

## CHAPTER X

### THE CORSET INDUSTRY

In 1926 there were 16 firms in Canada whose principal product was corsets; 11 were in Ontario and 5 in Quebec. The five firms in Quebec used \$2,169,681 of the total capital employed while the 11 firms in Ontario used the remaining capital of \$1,960,201. The centre of this industry used to be in Quebec but is gradually shifting so that the capital employed in each province is becoming equalized. As can be seen from the figures of table 113, in 1923 Quebec used about 80 per cent of the capital which has been reduced to 52·5 per cent in 1926.

Capital invested increased from \$3,296,856 in 1917 to \$6,680,588 in 1920, thereafter it declined and in 1926 was valued at \$4,129,882. Employment has followed the same curve fairly closely. In 1917 there were 1,660 persons engaged in the industry, in 1920 there were 2,171, in 1922 there were 1,733 and in 1926 there were 1,307.

Value added by manufacture varied slightly during the years 1920-23 inclusive; 1924 recorded a decline of 25 per cent from the previous four-year average and 1925 showed a slight recovery from a further decrease to \$1,807,372 in 1926, which is the lowest figure reached since the peak year 1920.

The principal employment statistics given for Canada, Quebec and Ontario, in Table 114 show average wages rising steadily though slowly throughout the period under review; in this connection it may be noted that the greater percentage of male wage-earners in Ontario establishments accounts in part for the vast difference in average annual wages in the two provinces.

Between 1917 and 1926 the average working week decreased from 51·6 to 49 hours in Quebec and from 46·4 to 44 hours in Ontario.

The monthly employment totals for 1924, 1925 and 1926 (Table 115a) show maximum employment at mid summer with corresponding slackness around Christmas. However, the range between maximum and minimum employment is very slight.

Table 113.—The Corset Industry: Summary Statistics for Canada and Provinces, 1917-1926

	No. of establishments	Fixed capital	Working capital	Salaried employees	Total salaries	Wage-earners		Total wages	Cost of fuel	Power installed	Cost of materials used	Selling value of products	Value added by manufacture
						Male	Female						
		\$	\$	No.	\$	No.	No.	\$	\$	h. p.	\$	\$	\$
1917—Canada.....	14	807,002	2,489,854	241	197,859	86	1,333	503,261	11,074	152	1,519,590	3,275,262	1,755,672
Quebec.....	5	572,474	1,794,239	187	131,444	47	988	307,984	7,685	90	1,068,570	2,302,921	1,234,351
Ontario.....	9	234,528	695,615	54	66,415	39	345	195,277	3,389	62	451,020	972,341	521,321
1918—Canada.....	14	864,398	2,900,089	375	331,770	78	1,364	451,183	8,895	658	1,782,004	3,495,752	1,713,748
Quebec.....	6	583,872	2,198,345	306	243,680	29	1,014	264,688	6,190	523	1,322,233	2,331,719	1,009,486
Ontario.....	8	280,526	701,744	69	88,090	49	350	186,495	2,705	135	459,771	1,164,033	704,262
1919—Canada.....	16	852,956	3,205,136	312	411,501	79	1,252	562,524	8,759	1,172	2,750,762	4,332,737	2,081,975
Quebec.....	6	571,410	2,370,636	228	283,753	27	870	300,312	6,168	484	1,585,836	2,793,984	1,208,648
Ontario.....	9	279,978	834,500	84	127,748	51	382	261,712	2,591	686	664,926	1,536,253	871,327
1920—Canada.....	15	912,006	5,768,582	353	524,801	84	1,734	801,056	13,540	616	3,690,525	6,395,032	2,704,507
Quebec.....	6	621,146	4,722,564	259	309,144	30	1,371	518,670	9,882	362	2,850,590	4,527,306	1,676,716
Ontario.....	8	289,610	1,045,768	94	155,747	54	362	281,686	3,658	153	839,435	1,865,166	1,025,731
1921—Canada.....	11	917,225	4,788,284	309	502,858	77	1,064	590,285	10,818	193	2,805,837	5,463,725	2,657,898
Quebec.....	4	583,134	3,326,439	220	320,897	28	708	336,573	5,265	109	1,959,552	3,306,237	1,346,685
Ontario.....	7	334,091	1,461,845	89	181,961	49	356	253,712	5,553	84	846,285	2,157,488	1,311,203
1922—Canada.....	16	983,247	5,038,716	331	561,790	95	1,307	684,531	12,076	365	2,634,153	5,284,986	2,650,833
Quebec.....	7	691,503	3,832,565	211	334,494	39	918	387,922	8,607	223	1,897,698	3,407,946	1,510,248
Ontario.....	9	291,744	1,206,151	120	227,296	56	389	296,609	3,469	142	736,455	1,877,040	1,140,585
1923—Canada.....	17	1,004,810	5,150,644	367	578,448	110	1,127	685,307	11,435	350	2,309,631	4,887,535	2,577,904
Quebec.....	6	714,262	4,176,477	244	365,823	57	779	393,159	7,791	212	1,582,829	3,136,829	1,554,320
Ontario.....	11	290,548	974,167	123	212,625	53	348	292,148	3,644	138	727,122	1,750,706	1,023,584
1924—Canada.....	16	1,008,472	3,099,585	369	399,812	109	919	578,875	9,154	343	2,134,564	4,038,985	1,904,421
Quebec.....	6	657,293	2,149,455	262	222,304	54	638	320,064	6,277	212	1,396,381	2,498,678	1,102,297
Ontario.....	10	351,179	950,130	107	177,508	55	281	258,811	2,877	131	738,183	1,540,307	802,124
1925—Canada.....	17	1,041,217	3,183,505	372	473,351	70	1,019	636,931	9,779	471	2,330,165	4,314,309	1,954,144
Quebec.....	6	709,326	2,277,553	264	277,764	19	738	359,689	7,120	334	1,682,223	2,829,107	1,146,884
Ontario.....	11	331,891	905,952	108	195,587	51	281	277,242	2,659	137	647,942	1,485,202	837,260
1926—Canada.....	16	982,983	3,146,899	288	435,563	69	950	625,426	9,241	332	2,241,554	4,048,926	1,807,372
Quebec.....	5	613,073	1,556,608	172	220,592	17	552	278,956	6,035	210	1,304,722	2,106,337	801,615
Ontario.....	11	369,910	1,590,291	116	214,971	52	398	346,470	3,206	122	936,832	1,942,589	1,005,757

Table 114.—The Corset Industry: Principal Employment Statistics, 1917-1926

	No. of Est.	No. of wage- earners	Average annual wage	Average number of hours worked per week	Average number of days plants in operation
			\$	Hrs.	Days
1917—Canada.....	14	1,419	355	48.3	269
Quebec.....	5	1,035	298	51.6	271
Ontario.....	9	384	509	46.4	268
1918—Canada.....	14	1,442	313	48.0	284
Quebec.....	6	1,043	254	50.7	279
Ontario.....	8	399	487	46.0	287
1919—Canada.....	16	1,331	423	50.0	293
Quebec.....	6	897	334	55.0	297
Ontario.....	9	433	604	45.1	289
1920—Canada.....	15	1,818	441	47.0	284
Quebec.....	6	1,401	370	49.8	285
Ontario.....	8	416	677	44.8	282
1921—Canada.....	11	1,141	517	46.5	277
Quebec.....	4	736	457	50.0	295
Ontario.....	7	405	626	44.4	266
1922—Canada.....	16	1,402	488	46.8	265
Quebec.....	7	957	405	49.5	276
Ontario.....	9	445	666	44.9	256
1923—Canada.....	17	1,237	554	46.1	257
Quebec.....	0	836	410	49.2	270
Ontario.....	11	401	728	44.4	249
1924—Canada.....	16	1,028	563	47.0	265
Quebec.....	6	692	462	50.8	267
Ontario.....	10	336	770	44.7	263
1925—Canada.....	17	1,089	585	46.4	253
Quebec.....	6	757	475	49.8	276
Ontario.....	11	332	835	44.5	240
1926—Canada.....	16	1,019	614	46.5	263
Quebec.....	5	568	490	49.0	280
Ontario.....	11	450	770	44.0	255

Table 115a.—The Corset Industry.—Employment by Months, 1924-1926

	1924			1925			1926		
	Male	Female	Total	Male	Female	Total	Male	Female	Total
January.....	108	872	980	65	951	1,016	69	850	919
February.....	106	886	992	68	996	1,064	71	936	1,007
March.....	108	899	1,007	69	1,011	1,080	73	993	1,066
April.....	108	911	1,019	71	1,014	1,085	73	1,025	1,098
May.....	110	935	1,045	69	1,022	1,091	73	1,020	1,093
June.....	113	959	1,062	68	1,019	1,087	73	1,023	1,096
July.....	113	939	1,052	69	1,061	1,130	70	983	1,053
August.....	112	939	1,051	70	1,040	1,110	70	994	1,064
September.....	108	934	1,042	69	1,058	1,127	67	968	1,035
October.....	108	946	1,054	69	1,040	1,109	59	888	947
November.....	107	896	1,003	69	1,020	1,089	59	863	922
December.....	105	903	1,008	67	968	1,035	62	849	911
Average.....	109	918	1,027	69	1,019	1,088	69	950	1,019

Table 115b.—The Corset Industry: Number of Wage-Earners in Month of Highest Employment, 1925 and 1926, Working Per Day

		Canada		Ontario		Quebec	
		Number	Per cent	Number	Per cent	Number	Per cent
Eight hours or less.....	1925	754	63.9	361	97.3	393	48.6
	1926	594	51.7	270	48.6	324	54.6
Nine hours.....	1925	353	29.9	10	2.7	343	42.4
	1926	486	42.3	288	51.4	200	33.7
Ten hours.....	1925	73	6.2	.....	.....	73	9.0
	1926	69	6.0	.....	.....	69	11.7
Over ten hours.....	1925	.....	.....	.....	.....	.....	.....
	1926	.....	.....	.....	.....	.....	.....



Table 116.—The Corset Industry: Power Installation, 1924-1926

Classes of power	Number of units	Horse-power according to manufacturers' rating
<b>1924</b>		
Steam engines and turbines .....	1	100
Electric motors operated by purchased power .....	70	213
Total manufacturing power .....	71	313
Electric motors operated by power generated by the establishment .....	1	30
Total electric motors .....	71	243
<b>1925</b>		
Steam engines and turbines .....	1	100
Electric motors operated by purchased power .....	70	214
Total power used in manufacturing .....	71	314
Electric motors operated by power generated at the factory .....	27	157
Total electric motors .....	97	371
<b>1926</b>		
Steam engines and turbines .....	1	100
Hydraulic turbines and water wheels .....	3	15
Electric motors operated by purchased power .....	66	187
Total power used in manufacturing .....	70	302
Electric motors operated by power generated by the establishment .....	1	30
Total electric motors .....	67	217
Total power installation .....	71	332

Table 117.—The Corset Industry: Production, Values and Quantities, 1924-1926

Kind	Unit of measure	1924		1925		1926	
		Quantity	Value	Quantity	Value	Quantity	Value
			\$		\$		\$
Corsets .....	Doz.	152,528	2,984,454	139,616	2,661,961	107,572	2,058,961
Corselettes, etc. ....	"			44,362	554,510	61,949	943,858
Children's waists .....	"	17,301	95,433	13,228	70,897	14,828	68,599
Brassieres .....	"	100,877	661,906	101,228	719,979	105,063	652,412
Suspenders, etc. ....	"	25,749	132,459	25,434	136,569	23,145	119,653
Sanitary goods .....	"			14,000	35,000	14,000	35,000
Garters .....	"	10,250	30,475	12,400	36,600	11,000	33,000
Other products .....			134,158		98,703		137,443
<b>Total</b> .....			<b>4,638,965</b>		<b>4,314,309</b>		<b>4,048,926</b>

Exports of corsets from Canada in the calendar years 1924, 1925 and 1926 were valued at \$710,610, \$545,022 and at \$465,282 respectively.

Imports of corsets were valued at \$214,682 in 1924, \$202,070 in 1925 and at \$418,694 in 1926.

## CHAPTER XI

### THE MEN'S FURNISHING GOODS INDUSTRY

There were 139 establishments in Canada making men's furnishing goods as their principal product in 1926; 64 were in Quebec, 51 in Ontario, 12 in Manitoba, 8 in British Columbia, 2 in Alberta and 2 in Nova Scotia. Capital employed in the industry amounted to \$17,616,262, the highest figure attained since the peak of 1920.

The number of employees, 8,197 in 1926 was higher by 1,087 than in 1925, and surpassed by 614 the previous maximum obtained in 1923.

Value added by manufacture was \$10,149,670 in 1926, \$486,146 more than the previous year but still \$1,072,515 less than in 1923, which by every index was the best year that the furnishing goods industry has experienced since the beginning of the industrial census.

The principal statistics of the industry for 1917 and subsequent years are given in Table 118.

**Employment and Hours of Labour.**—The principal employment statistics are given in Table 119 for the years 1922-26 inclusive for Canada and its provinces with more than three establishments in this industry.

Average annual wages have varied slightly in the five years under review; in 1922 the average for Canada was \$643, in 1926 it was \$646. In the latter year the average annual earnings of the 3,918 wage earners employed in this industry in the province of Quebec were \$532, while 2,332 wage earners employed in Ontario received on an average, \$750 a year.

The average working week was 45.9 hours in 1926 for Canada as a whole; it was 46.7 hours for the 64 firms operating in Quebec, 45.1 hours for 51 firms in Ontario and 44.6 hours for the 20 firms in British Columbia and Manitoba. Employment by months and hours worked per day in the month of highest employment are given in Table 120, while sample wages and hours of work in the years from 1920 to 1926 are shown in Table 121.

Table 118.—Men's Furnishing Goods Industry: Principal Statistics for the Dominion, 1917-1926, and by Provinces, with Three Establishments or over, 1922-1926

	No. of establishments	Fixed capital	Working capital	Salaried employees	Total salaries	Wage-earners		Total wages	Cost of fuel	Power installed	Cost of materials used	Selling value of product	Value added by manufacture
						Male	Female						
		\$	\$	No.	\$	No.	No.	\$	\$	h. p.	\$	\$	\$
1917—Canada.....	101	2,965,386	8,954,687	809	1,009,729	990	4,819	2,430,030	71,892	2,325	9,411,568	16,778,358	7,366,790
1918—Canada.....	108	5,601,659	8,772,555	780	1,103,605	886	4,995	2,753,622	100,332	2,773	12,271,093	21,003,938	8,732,845
1919—Canada.....	99	3,199,251	12,451,363	682	1,293,100	852	4,720	3,015,833	85,400	2,970	12,733,670	22,251,135	9,517,465
1920—Canada.....	90	2,988,527	15,383,280	814	1,418,821	742	4,381	3,426,135	92,569	2,402	16,428,120	26,643,610	10,215,490
1921—Canada.....	105	3,452,946	10,571,178	708	1,389,669	807	3,974	2,609,525	107,319	3,867	11,867,273	20,874,546	9,007,273
1922—Canada.....	116	4,681,835	12,534,128	871	1,584,531	958	5,139	3,920,168	120,093	2,948	12,643,854	23,292,716	10,648,862
Quebec.....	47	2,113,441	5,939,339	296	469,480	469	2,436	1,524,426	83,459	1,418	5,143,730	9,372,207	4,228,477
Ontario.....	53	2,286,162	5,159,046	502	917,862	366	1,940	1,724,942	32,080	1,216	5,311,363	9,977,623	4,666,260
Manitoba.....	7	197,931	793,043	43	106,277	62	421	365,828	3,343	142	1,303,052	2,201,057	898,005
British Columbia.....	6	27,630	98,516	7	13,778	29	109	98,113	10	43	309,915	530,641	220,726
1923—Canada.....	135	4,333,442	13,751,871	886	1,733,703	983	5,714	4,250,645	92,116	2,772	14,279,926	25,502,111	11,222,185
Quebec.....	54	2,366,111	6,974,884	311	637,812	521	2,917	1,813,805	61,343	1,627	5,653,836	10,685,897	5,032,061
Ontario.....	61	1,632,681	4,893,703	491	887,702	215	1,915	1,619,903	24,227	890	5,877,276	10,161,489	4,284,213
Manitoba.....	10	233,545	1,139,751	51	129,201	74	528	487,502	5,142	192	1,644,583	2,707,086	1,062,503
British Columbia.....	6	22,030	158,085	9	15,115	36	121	121,770	201	48	431,655	707,271	275,616
1924—Canada.....	131	4,526,932	12,635,951	658	1,165,858	1,005	5,047	3,828,232	79,157	2,765	12,511,336	22,174,454	9,663,118
Quebec.....	55	2,377,010	5,973,884	278	469,214	442	2,738	1,626,539	50,525	1,603	5,116,549	9,672,430	4,555,881
Ontario.....	57	1,712,721	4,847,667	288	487,379	430	1,525	1,439,422	21,898	826	4,866,726	8,430,911	3,574,185
Manitoba.....	9	338,667	1,231,795	66	120,924	75	482	463,962	5,217	187	1,524,575	2,408,887	884,312
British Columbia.....	5	8,507	165,681	11	18,125	22	99	103,021	389	45	375,814	596,563	220,749
1925—Canada.....	135	4,691,070	11,958,912	677	1,087,096	900	5,533	4,103,037	76,131	2,650	13,126,738	23,040,262	9,913,524
Quebec.....	62	2,463,731	5,674,353	297	442,125	452	2,896	1,745,337	48,823	1,543	5,270,424	9,747,050	4,476,626
Ontario.....	52	1,731,421	4,466,304	296	451,952	306	1,795	1,563,897	23,880	805	5,387,550	9,151,238	3,763,688
Manitoba.....	9	360,412	1,155,683	41	93,662	77	495	478,715	1,943	150	1,386,485	2,335,852	949,367
British Columbia.....	8	45,388	190,546	16	26,983	23	111	98,889	186	51	373,812	596,730	222,918
1926—Canada.....	139	4,549,500	13,066,762	692	1,159,494	989	6,516	4,848,699	72,703	2,742	16,244,847	26,394,517	10,149,670
Quebec.....	61	2,302,270	6,046,775	297	430,787	488	3,430	2,084,001	44,133	1,660	7,078,030	11,579,095	4,503,065
Ontario.....	51	1,776,142	4,810,363	298	515,205	319	2,013	1,749,696	25,008	779	6,359,186	10,005,653	3,646,467
Manitoba.....	12	324,335	1,453,418	51	111,071	99	656	627,313	2,829	156	1,796,499	2,889,368	1,092,869
British Columbia.....	8	24,309	161,042	17	29,904	29	122	112,573	56	52	417,474	655,659	238,185

Table 119.—Men's Furnishing Goods Industry: Principal Employment Statistics, by Provinces, 1922-1926

	Number of establishments	Number of wage-earners	Average annual wage	Average working week	Average number of days plants were in operation during year
			\$	hrs.	
1922—Canada.....	116	6,097	643	45.4	275
Quebec.....	47	2,905	524	48.2	263
Ontario.....	53	2,306	748	44.9	287
Manitoba.....	7	483	757	43.7	298
British Columbia.....	6	138	711	47.0	298
1923—Canada.....	135	6,697	635	46.1	273
Quebec.....	54	3,438	527	47.6	276
Ontario.....	61	2,230	726	45.1	270
Manitoba.....	10	602	809	44.0	283
British Columbia.....	6	157	775	44.8	298
1924—Canada.....	131	6,052	632	45.6	263
Quebec.....	55	3,170	513	46.8	270
Ontario.....	57	1,925	747	44.7	250
Manitoba.....	9	557	815	44.0	288
British Columbia.....	5	121	851	44.0	297
1925—Canada.....	135	6,433	638	46.5	273
Quebec.....	62	3,348	521	48.0	275
Ontario.....	52	2,101	744	45.1	268
Manitoba.....	9	572	836	44.4	292
British Columbia.....	8	134	746	44.4	296
1926—Canada.....	139	7,505	646	45.9	281
Quebec.....	64	3,918	532	46.7	285
Ontario.....	51	2,332	750	45.1	269
Manitoba.....	12	755	831	44.8	281
British Columbia.....	8	151	746	44.4	295

Table 120a.—Men's Furnishing Goods Industry: Employment by Months, 1924, 1925 and 1926

	1924			1925			1926		
	Male	Female	Total	Male	Female	Total	Male	Female	Total
January.....	1,034	5,022	6,054	874	5,028	5,902	944	5,991	6,935
February.....	1,010	5,187	6,197	869	5,333	6,202	967	6,318	7,285
March.....	1,013	5,206	6,219	887	5,485	6,372	978	6,302	7,380
April.....	992	5,218	6,210	901	5,606	6,507	986	6,454	7,440
May.....	1,008	5,233	6,241	885	5,659	6,544	966	6,403	7,369
June.....	988	5,119	6,107	887	5,572	6,459	979	6,480	7,459
July.....	985	4,986	5,971	901	5,574	6,475	971	6,622	7,593
August.....	995	4,862	5,857	899	5,347	6,246	986	6,529	7,515
September.....	1,007	4,911	5,918	906	5,604	6,510	991	6,693	7,684
October.....	1,003	4,973	5,976	911	5,684	6,595	1,003	6,816	7,819
November.....	1,015	4,890	5,905	915	5,668	6,583	1,008	6,722	7,730
December.....	1,008	4,958	5,966	909	5,731	6,642	1,010	6,549	7,559
Average annual employment.....	1,005	5,047	6,052	900	5,533	6,433	989	6,516	7,505

Table 120b.—Men's Furnishing Goods Industry: Number of Wage-Earners in Month of Highest Employment, 1925 and 1926

	Canada		Quebec		Ontario		Manitoba		British Columbia	
	Num- ber	Per cent	Num- ber	Per cent	Num- ber	Per cent	Num- ber	Per cent	Num- ber	Per cent
Eight hours or less.....	1925 3,942	53.5	1,254	32.8	1,693	68.9	567	91.6	144	100
	1926 4,751	50.4	1,680	38.6	1,751	66.4	798	93.8	166	100
Nine hours.....	1925 3,182	43.2	2,322	60.7	764	31.1	52	8.4		
	1926 3,066	36.4	2,215	50.9	788	29.8				
Ten hours.....	1925 243	3.3	243	6.4						
	1926 467	5.6	315	7.3	99	3.8	53	6.2		
Over ten hours.....	1925 4		4	0.1						
	1926 137	1.6	137	3.2						



Table 121.—Sample of Wages and Hours of Labour in the Men's Furnishing Goods Industry, 1920-1926

Occupation	Unit	1920		1921		1922		1923		1924		1925		1926	
		Wages	Hrs per wk.	Wages	Hrs per wk.	Wages	Hrs per wk.	Wages	Hrs per wk.	Wages	Hrs per wk.	Wages	Hrs per wk.	Wages	Hrs per wk.
		\$ c.		\$ c.		\$ c.		\$ c.		\$ c.		\$ c.		\$ c.	
<b>SHIRT MANUFACTURING</b>															
<b>Cutters—</b>															
No. 1.....	Week	20 00	52	18 34	52	27 50	52	25 00	56	30 00	56	30 00	56		
No. 2.....	Week	23 95	52½	20 27	52½	19 48	52½	21 81	52½	16 32	52½	22 19	52½	28 76	52½
No. 3.....	Week	25 00	48	25 00	46½	25 00	49	25 00	49	25 00	49	25 00	49	30 00	49
No. 4.....	Hour			0 52	50	0 52	50	0 52	42½	0 52	42½	0 52	50	0 50	45½
No. 5.....	Hour			0 70	50	0 70	50	0 70	42½	0 70	42½	0 70	50	0 70	45½
No. 6.....	Week			24 00	52	24 00	52	24 00	52	24 00	52	24 00	42	24 00	50
No. 7.....	Week			35 00	44	35 00	44	35 00	44	35 00	44	35 00	44	35 00	44
No. 8.....	Week			41 00	44	41 00	44	41 00	44	41 00	44	42 00	44	44 00	44
No. 9.....	Week			37 00	44	37 00	44	37 00	44	35 00	44	30 00	44	30 00	44
<b>Machine operators</b>															
No. 1.....	Week	12 00	52	11 19	52	11 00	52	11 50	56	11 50	56	11 50	56		
No. 2.....	Week	11 13	52½	6 85	52½	10 82	52½	11 96	52½	10 89	52½	11 40	52½	13 14	52½
No. 3.....	Week	18 30	52½	15 18	52½	17 95	52½	19 30	52½	18 68	52½	21 09	52½	20 44	52½
No. 4.....	Week	9 00	48	10 00	46½	12 00	49	12 00	49	12 00	49	12 00	49	12 00	49
No. 5.....	Week	13 75	52	13 75	52	16 00	52	16 00	52	15 50	49	15 50	49	15 75	50
No. 6.....	Hour			0 22	50	0 23	42½	0 25	42½	0 25	45½	0 25	48½	0 25	48½
No. 7.....	Hour			0 28	50	0 30	42½	0 35	42½	0 35	45½	0 35	48½	0 34	48½
No. 8.....	Week			16 50	44	17 00	44	16 52	44	18 16	44	14 68	44	19 08	43

Table 122.—Men's Furnishing Goods Industry: Power Installation, 1924-1926

Classes of power	1924		1925		1926	
	Number of units	Horse-power capacity	Number of units	Horse-power capacity	Number of units	Horse-power capacity
Steam engines and turbines.....	11	1,077	10	932	10	892
Oil and gasoline engines.....	3	25	3	25	2	19
Hydraulic turbines or water wheels.....	3	37	3	37	3	37
Electric motors operated by purchased power.....	379	1,517	380	1,469	426	1,675
Total power used in manufacturing.....	396	2,656	396	2,463	441	2,623
Electric motors operated by power generated at the factory.....	14	109	33	187	36	119
Total electric motors.....	393	1,626	413	1,656	462	1,794
Total power installation.....	410	2,765	429	2,650	477	2,742

**Products.**—The principal products of the men's furnishing goods industry are shown by quantities and values in Table 123.

**Table 123.—Men's Furnishing Goods Industry: Principal Products, 1924, 1925 and 1926**

Principal products	1924		1925		1926	
	Quantity	Value	Quantity	Value	Quantity	Value
	Dozen	\$	Dozen	\$	Dozen	\$
Shirts, fine.....	312,812	5,710,538	298,043	5,364,721	353,437	5,944,626
Shirts, working.....	274,415	3,466,182	315,051	3,558,541	362,200	4,232,769
Collars.....	611,352	1,411,068	581,425	1,385,062	573,804	1,363,238
Cuffs.....	113	704	413	2,104	40,709	82,481
Overalls with and without bib.....	228,338	4,084,581	.....	4,405,558	285,140	5,070,826
Smocks.....	40,048	780,926	34,258	628,461	102,882	717,270
Coats, dusters, etc.....	6,545	123,470	6,267	66,781	3,830	81,396
Pants, outing of duck, drill, etc.....	56,167	1,147,334	55,224	1,100,084	64,038	1,129,197
Mackinaw and other coats.....	7,746	455,925	7,398	331,364	34,959	383,964
Blouses and shirts, boys'.....	24,504	238,674	18,976	157,225	56,976	383,146
Bloomers and pants, boys'.....	17,448	262,282	16,006	120,429	20,639	247,075
Children's wash suits.....	18,034	158,685	44,652	369,111	31,591	224,907
Neckties.....	280,909	1,504,265	327,502	2,092,728	443,972	2,740,315
Garters and hose supporters.....	107,260	250,160	160,794	373,380	126,613	320,793
Suspenders.....	159,123	612,078	167,120	699,739	173,892	750,371
Armlets and sleeve supporters.....	39,516	62,089	85,238	94,412	54,395	116,549
Bathrobes and dressing gowns.....	2,515	96,368	2,909	126,507	3,463	127,072
Pyjamas.....	39,050	531,863	43,338	636,934	62,083	839,827
Handkerchiefs.....	171,950	149,057	161,786	139,430	142,767	132,282
Belts.....	21,002	90,558	23,654	132,619	29,409	163,906
Fancy vests.....	.....	1,710	967	3,352	15	555
Umbrellas..... No.	9,220	138,234	9,200	137,432	10,600	170,823
All other articles, men's wear.....	.....	234,605	.....	250,088	.....	886,672
All other products.....	.....	264,314	.....	300,857	.....	18,274
Amount received for custom and contract work.....	.....	398,784	.....	563,343	.....	265,993
<b>Total.....</b>	.....	<b>22,174,454</b>	.....	<b>23,640,262</b>	.....	<b>26,394,517</b>

## CHAPTER XII

### THE OILED AND WATERPROOF CLOTHING INDUSTRY

In 1926 there were 13 firms listed as making oiled and waterproof clothing in Canada; 5 were in Quebec, 5 in Nova Scotia and 3 in Ontario. In 1920 as shown by Table 124, there were 28 establishments in this group, but several have since been transferred to other groups and the remainder have gone out of business. The decrease in invested capital has kept pace with the decline in the number of firms reporting. The 28 firms operating in 1920 employed a combined capital of \$2,092,282, while the 13 firms operating in 1926 used a capital of \$985,224. In 1920, employees numbered 614 but 6 years later there were only 241 people engaged in the industry.

The selling value of product and value added by manufacture have both dropped steadily since 1920; some recovery was made in 1924, but returns for 1925 and 1926 do not indicate any improvement on earlier years, although 1926 shows an improvement over that of 1925.

Employment, power installation, production and imports are given in appended tables.

**Table 124.—Oiled and Waterproof Clothing Industry: Principal Statistics, 1919-1926**

	Estab- lish- ments	Fixed capital	Working capital	Salaried em- ployees	Total salaries	Wage-earners	
						Male	Female
	No.	\$	\$	No.	\$	No.	No.
1919.....	23	401,332	1,619,370	101	196,858	265	247
1920.....	28	292,719	1,799,563	109	253,678	243	262
1921.....	22	1,099,839	1,589,563	97	146,052	134	141
1922.....	16	928,239	664,350	48	84,600	82	95
1923.....	15	235,218	584,795	40	70,593	71	81
1924.....	15	369,227	681,947	57	87,839	94	92
1925.....	12	366,303	606,238	49	87,444	85	63
1926.....	13	301,918	683,306	47	91,816	90	104

	Total wages	Cost of fuel	Power installed	Cost of materials used	Selling value of products	Value added by manufac- ture
	\$	\$	H.P.	\$	\$	\$
1919.....	505,383	11,212	324	1,578,267	3,031,925	1,453,658
1920.....	583,210	4,217	190	2,194,058	3,530,800	1,336,742
1921.....	290,619	10,352	320	810,898	1,914,021	1,103,123
1922.....	133,475	15,101	186	442,462	940,331	497,869
1923.....	137,968	10,979	192	394,267	846,817	452,550
1924.....	174,196	9,102	119	549,576	1,130,145	580,569
1925.....	163,742	10,273	118	496,393	990,895	494,502
1926.....	198,411	9,886	102	606,680	1,157,182	550,502

**Table 125.—Oiled and Waterproof Clothing Industry: Principal Employment Statistics, 1919-1926**

Year	Estab- lish- ments	Wage- earners	Average annual wage	Average number hours worked per week	Average number of days worked per year
	No.	No.	\$	Hours	Days
1919.....	23	512	987	47.8	282
1920.....	28	505	1,154	45.2	222
1921.....	22	275	1,067	40.2	186
1922.....	16	177	754	47.2	269
1923.....	15	152	907	46.9	233
1924.....	15	186	936	46.5	222
1925.....	12	178	920	46.0	244
1926.....	13	194	1,023	46.0	248

**Table 126a.—Oiled and Waterproof Clothing Industry: Employment by Months, 1924-1926**

	1924			1925			1926		
	Male	Female	Total	Male	Female	Total	Male	Female	Total
January.....	86	88	174	81	85	166	80	100	180
February.....	95	93	188	91	92	183	94	94	188
March.....	101	94	195	100	94	194	96	96	192
April.....	98	90	188	93	90	183	94	97	191
May.....	85	84	169	78	84	162	81	93	174
June.....	82	78	160	71	79	150	87	110	197
July.....	83	72	155	77	72	149	89	109	198
August.....	99	86	185	88	80	168	92	110	202
September.....	103	90	193	90	97	187	96	114	210
October.....	114	109	223	91	120	211	91	116	207
November.....	96	110	206	78	116	194	74	111	185
December.....	83	104	187	70	106	176	62	94	156
Average.....	94	92	186	85	93	178	90	104	194

**Table 126b.—Number of Wage-Earners in Month of Highest Employment, 1925-1926 Working per Day**

		Canada	Nova Scotia	Quebec	Ontario
Eight hours or less.....	1925	167	12	70	85
	1926	160	28	52	80
Nine hours.....	1925	54		34	20
	1926	63		34	29
Ten hours.....	1925	8	7		1
	1926	8	7		1
Over ten hours.....	1925				
	1926				

**Table 127a.—Oiled and Waterproof Clothing Industry: Value of Production, 1924-1926**

Kind	1924 Values	1925 Values	1926 Values
	\$	\$	\$
Oiled clothing.....	123,810	132,965	99,129
Waterproof clothing.....	807,698	706,652	757,755
All other products.....	208,637	151,278	300,298
<b>Total</b> .....	<b>1,130,145</b>	<b>990,895</b>	<b>1,157,182</b>

**Table 127b.—Imports of Oiled and Waterproof Clothing for the Calendar Years 1924-1926**

Articles imported	1924	1925	1926
	\$	\$	\$
Oiled clothing.....	15,583	25,095	31,382
Waterproof clothing.....	173,976	186,971	237,846
<b>Total</b> .....	<b>189,559</b>	<b>212,066</b>	<b>269,228</b>

Exports of rubber and waterproofed clothing amounted to \$47,186 in 1925, decreasing to \$28,284 in 1926.



## CHAPTER XIII

### THE AWNING, TENT AND SAIL INDUSTRY

Establishments whose principal product was awnings, tents or sails numbered 49 in 1926; of this total 20 were in Ontario, 10 in Quebec, 4 in Nova Scotia, 5 in British Columbia, 4 in Alberta, 4 in Manitoba, 1 in Saskatchewan and 1 in New Brunswick. These 49 concerns used a combined capital of \$1,918,171, giving them an average capital investment per establishment of \$39,146, smaller than the average capital investment in any other industry in the Textiles Group.

All told 433 persons were employed in this industry in 1926. Of this number 101 were on salaries and the remaining 332 on wages, the average annual wage being \$934.

The last year of the war, 1918, was in all respects a record year for the industry, when capital invested at \$3,218,150 was 68 per cent greater than in 1926 and the number of salaried employees was half as large again as in 1926. Value added by manufacture was \$1,483,612 in 1918 compared with \$906,738 in 1926 and the gross selling value of the product was \$4,575,109 as against \$2,232,440 in 1926.

From 1918 to 1921 the decrease in each item in the accompanying table is apparent, but since 1921 there has been a slow but perceptible recovery. The capital investment, the number of employees and the value added by manufacture have varied very little in the years 1922-26.

Table 129a, showing employment by months in 1924, 1925 and 1926 indicates a seasonal peak in May and June, falling away to a minimum in December, when the number employed is 33 per cent less than in June. Hours worked per day and per week in the month of highest employment in 1925 and 1926 are given in Table 129b.

Table 128.—Awning, Tent and Sail Industry: Summary Statistics for Canada, 1917-1926, and by Provinces, 1921-1926

Years, etc.	No. of estab- lish- ments	Fixed capital \$	Working capital \$	Salaried employees No.	Total salaries \$	Wage-earners		Total wages \$	Cost of fuel \$	Power installed h.p.	Cost of materials used \$	Selling value of product \$	Value added by manu- facture \$
						Male	Female						
						No.	No.						
1917—Canada.....	46	856,546	2,283,877	150	179,027	219	447	292,271	8,559	293	1,585,691	2,613,887	1,028,106
1918—Canada.....	47	828,941	2,389,209	155	248,086	208	497	385,004	9,086	287	3,091,497	4,575,109	1,483,612
1919—Canada.....	46	593,983	1,568,930	125	207,536	183	252	298,706	7,392	125	1,502,538	2,491,567	989,029
1920—Canada.....	54	629,278	1,607,011	150	219,701	183	231	355,175	6,066	238	1,604,786	2,641,704	976,918
1921—Canada.....	47	311,098	899,180	125	146,655	134	144	251,110	5,550	111	679,238	1,298,745	619,507
Nova Scotia.....	8	1,780	13,550	1	816	12	.....	9,126	398	4	21,924	41,965	20,041
Quebec.....	9	70,010	132,932	31	36,053	34	29	46,853	492	7	152,125	283,428	131,303
Ontario.....	18	206,591	572,261	55	83,323	61	83	135,119	3,558	67	299,334	652,482	353,148
Manitoba.....	4	20,304	75,109	8	12,724	12	19	31,436	515	16	101,467	160,422	58,955
British Columbia.....	3	7,047	43,094	7	7,279	5	9	15,533	131	9	60,756	85,387	24,631
1922—Canada.....	52	515,327	1,209,229	124	192,721	178	224	329,085	12,039	160	879,454	1,671,135	791,681
Nova Scotia.....	6	4,660	11,921	1	1,200	11	1	12,237	431	5	38,008	58,800	20,792
Quebec.....	9	193,023	282,545	31	47,023	42	76	65,037	1,019	39	255,026	398,317	143,291
Ontario.....	21	216,681	618,036	65	103,809	85	102	169,969	8,822	68	383,104	815,964	432,860
Manitoba.....	4	18,795	76,039	8	10,319	12	18	34,210	728	15	57,331	105,330	47,999
British Columbia.....	6	74,409	187,837	13	22,170	17	22	40,455	448	26	104,189	214,875	110,686
1923—Canada.....	55	590,473	1,169,062	108	184,667	178	185	310,513	9,171	101	1,014,506	1,803,486	788,980
Nova Scotia.....	5	2,315	12,703	1	1,200	11	1	12,112	492	3	36,649	59,322	22,673
Quebec.....	10	179,378	265,224	32	52,182	44	64	70,711	2,029	39	283,297	464,725	171,428
Ontario.....	23	203,435	624,979	59	99,759	83	79	145,228	5,019	94	454,557	871,488	416,931
Manitoba.....	5	17,954	67,184	7	10,030	11	10	23,400	636	17	61,857	119,571	57,714
British Columbia.....	5	61,226	142,947	6	11,776	17	24	39,629	54	17	111,709	181,753	73,046
Alberta.....	4	122,398	42,140	5	9,220	8	6	15,083	900	18	48,853	88,180	39,333
1924—Canada.....	53	608,858	1,285,299	105	169,793	175	154	311,917	10,336	187	1,006,388	1,841,334	834,946
Nova Scotia.....	5	3,115	13,644	1	1,200	11	1	12,341	379	7	34,390	61,243	29,853
Quebec.....	10	193,846	307,685	26	40,033	46	41	67,280	3,035	50	260,218	501,721	241,506
Ontario.....	24	271,842	594,341	56	92,699	84	80	164,258	4,819	76	511,955	931,228	419,273
Manitoba.....	4	12,907	63,748	6	9,660	9	10	18,112	1,047	14	47,206	80,051	32,845
British Columbia.....	3	41,965	163,356	10	15,081	10	15	31,075	75	15	92,116	152,618	60,502
Alberta.....	4	78,290	44,633	5	10,620	9	6	14,777	253	17	45,887	88,740	42,853
1925—Canada.....	54	619,903	1,273,822	106	176,011	178	151	300,772	8,113	226	1,060,698	1,833,026	772,928
Nova Scotia.....	6	3,915	14,175	1	1,040	8	1	8,197	333	8	25,523	52,773	27,250
Quebec.....	10	228,767	339,550	18	40,100	48	38	65,016	1,117	87	325,739	473,598	147,859
Ontario.....	23	274,293	619,461	59	88,586	86	74	154,810	5,190	77	477,616	887,751	410,135
Manitoba.....	4	7,633	38,962	4	6,840	6	6	10,962	370	7	30,429	61,740	31,217
British Columbia.....	5	50,517	210,580	14	24,786	10	20	40,119	248	22	136,725	238,463	101,738
Alberta.....	4	78,315	43,758	7	13,000	9	6	13,732	754	18	53,779	96,218	42,439
1926—Canada.....	49	580,650	1,337,521	101	170,224	173	159	309,974	8,546	212	1,325,702	2,232,440	906,738
Nova Scotia.....	4	1,425	16,687	2	1,721	7	.....	6,757	211	4	12,542	47,899	35,357
Quebec.....	10	232,411	361,932	25	36,814	47	40	70,055	3,053	87	335,919	528,526	192,607
Ontario.....	20	232,653	615,754	49	85,096	76	73	148,939	3,842	67	543,104	988,838	445,734
Manitoba.....	4	11,802	45,037	4	7,748	9	14	20,559	441	13	58,429	114,059	58,630
British Columbia.....	5	17,566	255,933	16	27,345	21	25	46,139	145	23	281,206	395,755	114,549
Alberta.....	4	78,293	39,103	5	11,500	9	7	14,475	754	16	60,336	113,704	53,369

Table 129a.—Awnings, Tents and Sails: Employment by Months, 1924-1926

	1924			1925			1926		
	Male	Female	Total	Male	Female	Total	Male	Female	Total
January.....	147	125	272	140	117	263	140	128	268
February.....	153	131	284	157	122	279	152	130	282
March.....	169	172	341	172	135	307	165	154	319
April.....	192	188	380	192	162	354	182	180	362
May.....	221	204	425	214	193	407	203	203	406
June.....	223	207	430	216	189	405	212	203	415
July.....	204	186	390	196	173	369	199	189	388
August.....	174	153	327	183	150	333	181	174	355
September.....	166	130	296	173	139	312	167	150	317
October.....	161	123	284	171	126	297	163	133	296
November.....	150	119	269	157	117	274	151	126	277
December.....	145	110	255	153	113	266	152	125	277
Average.....	175	154	329	178	151	329	173	159	332

Table 129b.—Number of Wage-Earners in Month of Highest Employment, 1925-1926, Working per Day

		Canada	Quebec	Ontario
Eight hours or less.....	1925	197	63	95
	1926	237	60	68
Nine hours.....	1925	162	14	91
	1926	138	23	102
Ten hours.....	1925	61	26	32
	1926	50	26	24
Over ten hours.....	1925	25	20	5
	1926	13	13	.....
Average number hours worked per week.....	1925	49.5	52.1	49.1
	1926	47.0	50.6	47.0

Table 130.—Awnings, Tents and Sails: Production, 1924-1926

	Values 1924	Values 1925	Values 1926
	\$	\$	\$
Awnings.....	500,266	492,883	415,289
Sails.....	89,954	84,409	89,747
Tents.....	392,474	394,269	441,838
Flags and hunting.....	41,302	41,199	50,288
Bags.....	110,943	115,867	102,098
Canvas covers.....	176,249	199,916	316,524
Horse blankets.....	45,200	18,541	23,842
Gloves and mittens.....	235	10,411	1,714
Lifebuoys and jackets.....	42,544	42,246	6,789
All other products.....	442,158*	423,885*	784,311*
Total.....	1,841,334	1,833,626	2,232,440

\*It is to be noted that the amounts shown under the heading of all other products also include articles manufactured shown in the other classification but which could not be properly separated.

## CHAPTER XIV

### THE CORDAGE, ROPE AND TWINE INDUSTRY

There were 11 establishments in the cordage, rope and twine group of industries in 1926; 6 were in Ontario, 3 in Quebec, 1 in Nova Scotia and 1 in British Columbia. Together they used a capital of \$15,679,569, gave employment to 1,514 persons and made goods with a selling value of \$10,574,682. In 1917 there were 8 firms in Canada making cordage rope or twine, with a combined capital of \$7,454,701, employing 1,200 persons and making goods with a selling value of \$8,323,391. During the nine years previous to 1926 very little difference is noted in the principal statistics of this industry. Nineteen-twenty was the year of highest employment, 1921 the year of lowest employment, and subsequent years showed a steady recovery from the depression of 1921. In 1926, however, a marked increase in the principal statistics is shown. This was due to the enlargement of existing plants and the erection of several new factories. On referring to Table 131, it will be seen that the capital increased from \$9,440,617 in 1925 to \$15,679,569 in 1926, an increase of \$6,238,952. The total number employed reached 1,514, the highest figure ever attained and the selling value of the products reached \$10,574,682, an increase of \$1,909,221 over that of 1925.

In 1926 the six firms operating in Ontario used a capital of \$13,287,310, 84.7 per cent of the capital invested in this industry in all Canada; they employed 1,016 persons or 67.1 per cent of all those engaged in the industry, and they made goods to the value of \$7,771,499, 73.5 per cent of the Dominion total for the industry.

Average annual wages appear from Table 132 to have risen steadily from \$568 in 1917 to a maximum of \$1,175 in 1921; thereafter fell sharply in 1922, rose till they reached \$1,039 in 1924 and dropped to \$958 in 1926. The relatively high percentage of male wage-earners in this industry keeps the average wage, irrespective of sex, well above the average for Textile Industries.

The power installed in 1924, 1925 and 1926, machinery used 1921-26, materials used in 1925 and 1926 and the principal products of the industry in 1924, 1925 and 1926 are presented in Tables 134 to 137. In order to make possible some estimate of Canadian consumption, imports and exports of raw and partly manufactured materials, and manufactured products of the cordage, rope and twine industry are presented for the years 1925 and 1926 in Table 138.

The estimated consumption of binder twine in Canada in the years 1923, 1924, 1925 and 1926 is shown in Table 139.



Table 131.—Cordage, Rope and Twine Industry: Summary Statistics, 1917-1926

	Estab- lish- ments	Fixed capital	Working capital	Salaried employees	Total salaries	Wage-earners		Total wages	Cost of fuel	Power installed	Cost of materials used	Selling value of product	Value added by manu- facture
						Male	Female						
	No.	\$	\$	No.	\$	No.	No.	\$	\$	h.p.	\$	\$	\$
1917—Canada.....	8	2,290,341	5,164,360	70	117,443	823	307	642,004	38,917	3,817	5,055,642	8,323,391	3,267,749
Ontario.....	4	1,329,739	4,224,818	43	69,243	517	217	427,890	17,104	2,389	3,556,807	6,238,703	2,671,896
Other Provinces.....	4	960,602	339,542	27	48,200	306	90	214,114	21,813	1,428	1,498,835	2,084,688	595,853
1918—Canada.....	8	2,265,099	7,791,420	73	122,125	850	247	889,119	26,299	4,032	8,395,039	13,714,620	5,319,581
Ontario.....	5	1,301,354	6,865,412	42	63,719	593	198	720,411	15,187	2,606	6,627,389	11,189,503	4,562,114
Other Provinces.....	3	873,745	926,008	31	58,406	257	49	168,708	11,112	1,423	1,767,650	2,525,117	757,467
1919—Canada.....	7	2,452,931	6,526,476	89	145,538	708	232	806,614	32,241	4,816	7,479,383	9,813,149	2,333,766
Ontario.....	4	1,576,950	6,013,627	53	99,720	467	185	599,491	17,831	3,369	6,114,407	7,811,545	1,697,138
Other Provinces.....	3	875,981	512,849	36	45,818	241	47	207,123	14,410	1,447	1,364,976	2,011,601	636,628
1920—Canada.....	8	3,002,239	7,140,084	82	181,241	916	276	1,304,410	43,766	4,154	8,271,669	12,458,814	4,187,145
Ontario.....	4	2,036,308	6,174,126	45	105,149	680	230	1,006,989	24,387	2,719	6,873,036	9,959,833	3,086,797
Other Provinces.....	4	965,931	965,958	37	76,092	259	46	297,421	19,379	1,435	1,398,633	2,498,981	1,100,348
1921—Canada.....	9	3,022,161	4,838,905	83	184,548	562	179	870,914	40,435	4,541	4,620,408	7,962,550	3,342,142
Ontario.....	5	2,009,379	4,239,875	52	118,504	424	152	665,190	19,399	2,640	3,823,609	6,915,175	3,091,566
Other Provinces.....	4	1,012,782	589,030	31	66,044	138	27	205,724	21,036	1,901	796,799	1,047,375	250,576
1922—Canada.....	9	3,326,161	4,229,982	80	191,992	776	236	882,573	39,475	4,871	2,934,440	5,781,161	2,846,721
Ontario.....	5	2,305,831	3,446,877	42	104,501	422	195	555,049	23,389	2,845	2,018,444	3,990,499	1,972,055
Other Provinces.....	4	1,020,330	783,105	38	87,491	354	41	327,424	16,086	2,026	915,996	1,790,662	874,666
1923—Canada.....	9	3,421,557	3,907,762	80	194,186	966	259	1,243,442	37,178	4,255	4,389,703	7,280,076	2,890,373
Ontario.....	5	2,394,032	3,019,282	43	111,494	603	218	869,506	23,690	2,690	3,304,765	5,454,658	2,149,993
Other Provinces.....	4	1,027,525	888,480	37	82,692	363	41	373,936	13,488	1,565	1,084,938	1,825,418	740,480
1924—Canada.....	9	3,583,477	5,833,068	78	156,461	994	287	1,330,241	29,936	6,238	5,096,892	8,876,786	3,779,894
Ontario.....	5	2,525,428	4,857,492	41	91,292	642	247	969,122	16,307	3,877	3,991,518	6,991,988	3,090,470
Other Provinces.....	4	1,058,049	975,576	37	65,169	352	40	371,119	13,629	2,361	1,105,374	1,884,798	779,424
1925—Canada.....	9	4,011,665	5,428,952	89	181,717	851	288	1,120,084	24,704	5,673	5,795,287	8,665,441	2,870,154
Ontario.....	5	3,229,546	4,504,723	43	90,607	478	246	733,789	13,208	3,990	4,056,747	6,180,819	2,124,102
Other Provinces.....	4	712,119	924,229	46	91,110	373	42	386,295	11,496	1,683	1,738,540	2,484,592	746,052
1926—Canada.....	11	5,774,524	9,905,045	117	253,092	1,051	346	1,338,033	49,425	7,792	7,566,817	10,574,682	3,007,865
Ontario.....	6	4,750,527	8,536,783	67	146,694	644	305	931,673	37,912	6,079	5,664,867	7,771,499	2,106,632
Other Provinces.....	5	1,023,997	1,368,262	50	106,398	407	41	406,360	11,513	1,713	1,901,950	2,803,183	901,233

**Table 132.—Cordage, Rope and Twine Industry: Principal Employment Statistics, 1917-1926**

	No. of Est.	No. of wage-earners	Average annual wage	Average Weekly hours of work	Average No. of days plant operated
			\$		
1917.....	8	1,130	568	53.3	296
1918.....	8	1,097	810	.....	288
1919.....	7	940	858	53.0	294
1920.....	8	1,195	1,091	51.8	274
1921.....	9	741	1,175	51.2	267
1922.....	9	1,012	872	50.6	283
1923.....	9	1,225	1,015	51.7	293
1924.....	9	1,281	1,039	52.4	289
1925.....	9	1,139	983	51.0	286
1926.....	11	1,397	958	51.9	268

**Table 133a.—Cordage, Rope and Twine Industry: Employment by Months, 1924-1926**

	1924			1925			1926		
	Male	Female	Total	Male	Female	Total	Male	Female	Total
January.....	974	287	1,261	792	254	1,046	977	323	1,300
February.....	1,022	286	1,308	763	273	1,036	1,158	340	1,498
March.....	953	275	1,228	852	275	1,127	1,233	385	1,618
April.....	1,013	267	1,280	882	277	1,159	1,238	386	1,624
May.....	1,027	276	1,303	924	276	1,200	1,155	385	1,540
June.....	977	281	1,258	888	277	1,165	1,051	382	1,433
July.....	906	274	1,180	871	283	1,154	1,021	368	1,389
August.....	1,023	279	1,302	738	275	1,013	1,018	361	1,379
September.....	994	285	1,279	748	293	1,041	1,010	349	1,359
October.....	1,011	313	1,324	739	313	1,052	875	263	1,138
November.....	1,016	311	1,327	809	314	1,123	898	274	1,172
December.....	1,008	305	1,313	842	322	1,164	938	299	1,237
Average.....	994	287	1,281	851	288	1,139	1,051	346	1,397

**Table 133b.—Cordage, Rope and Twine Industry: Number of Wage Earners in Month of Highest Employment in 1925 and 1926, Working per Day**

		Canada	Ontario	Other Provinces
Eight hours and less.....	1925	51	5	46
	1926	67	10	57
Nine hours.....	1925	614	352	262
	1926	893	616	277
Ten hours.....	1925	655	442	213
	1926	714	425	289
Over ten hours.....	1925	2	2	.....
	1926	.....	.....	.....
Average No. of hours worked per week.....	1925	51	50.2	52
	1926	51.9	51.3	52.6

**Table 134.—Cordage, Rope and Twine Industry: Mechanical Equipment, 1921-1926**

	1921	1922	1923	1924	1925	1926
Number of spinning spindles consuming fibre during year.....	1,955	2,562	2,517	2,271	2,771	3,033
Number of spinning spindles not consuming fibre during year.....	501	329	274	4	604	604
Number of twisting and doubling spindles.....	1,294	1,413	1,419	1,505	1,442	1,229
Braiding machines.....	.....	.....	28	28	28	28
Hanking machines.....	.....	.....	1	1	1	1
Winding machines.....	.....	.....	1	1	1	1

Table 135.—Cordage, Rope and Twine Industry: Power Installed, 1924-1926

Class of power	1924		1925		1926	
	Number of units	Horse-power capacity	Number of units	Horse-power capacity	Number of units	Horse-power capacity
Steam engines and turbines.....	2	260	2	360	4	485
Oil, gas and gasoline engines.....	1	1	1	2	1	2
Hydraulic turbines or water wheels.....	1	165	1	165	1	165
Total primary power.....	4	426	4	527	6	652
Electric motors operated by purchased power.....	128	5,029	136	5,146	193	7,140
Total power for manufacturing purposes.....	132	5,455	140	5,673	199	7,792

Table 136.—Cordage, Rope and Twine Industry: Materials Used, 1925, and 1926

Kind	1925		1926	
	Quantity	Cost value at factory	Quantity	Cost value at factory
	lb.	\$	lb.	\$
Hard fibres—				
Manila hemp.....	13,962,757	1,665,348	14,498,904	2,018,732
New Zealand hemp.....	3,096,553	246,641	4,325,988	361,523
African and other hemp.....	20,799,876	1,770,864	22,789,088	2,340,584
Sisal hemp.....	15,020,423	1,295,982	23,122,860	2,153,292
Soft fibres—				
Hemp and hemp tow.....	460,607	73,822	493,534	66,223
Jute.....	1,677,933	166,627	569,850	54,687
Other fibres.....	30,756	7,522	21,491	4,049
Yarns purchased—				
Flax, hemp and jute.....	1,311,736	149,888	1,663,268	208,338
Cotton.....	127,203	53,806	142,705	43,170
Oils.....	6,831,558	156,354	10,439,717	188,475
All other materials.....		208,424		121,744
Total.....		5,795,287		7,566,817

Table 137.—Cordage, Rope and Twine Industry: Principal Products, 1924-1926

Principal products	1924		1925		1926	
	Quantity	Value	Quantity	Value	Quantity	Value
	lb.	\$	lb.	\$	lb.	\$
Binder twine—						
All manila.....	195,300	28,199	704,562	110,794	1,630,550	307,500
Chiefly manila.....	11,058,700	1,434,802	7,147,657	981,941	10,459,807	1,429,068
All sisal.....	2,435,500	292,214	1,418,916	161,584	7,937,070	902,264
Chiefly sisal.....	29,163,364	3,640,665	18,790,425	2,147,592	38,403,656	4,972,266
All other.....	14,568,000	1,302,093	20,163,132	2,403,100		
Twines for sale—						
All flax.....	5,511	2,066	5,065	1,972	9,676	5,719
All hemp.....	391,185	122,051	388,645	120,089	398,437	116,220
All cotton.....	34,465	15,786	85,000	60,000	9,622	5,043
All jute.....	2,643,884	360,590	2,733,592	389,851	2,410,487	426,925
Flax or hemp mixed with jute.....	205,324	24,639	265,168	28,203		
Rope—						
Manila.....	5,689,501	965,302	7,293,385	1,514,762	6,922,914	1,447,691
Sisal.....	4,174,619	568,644	4,155,251	586,035	4,588,351	711,862
Hemp.....	35,000	16,000	5,519	2,176	68,425	32,772
Jute.....	75,532	9,036	60,978	8,582	29,000	5,011
All other.....	253,749	71,200	465,804	93,127	508,105	86,091
All other products.....		39,377		55,633		126,250
Total value of products.....		8,876,786		8,665,411		10,571,682

### Cordage, Rope and Twine Industry: Imports and Exports, 1925 and 1926

The quantity and value of raw, partly manufactured materials and finished products imported into and exported from Canada during the calendar years 1925 and 1926 is given by principal countries of origin or destination in tables 138a and 138b.

**Table 138a.—Imports into Canada for Consumption, 1925 and 1926**

Articles imported	Unit of measure	United Kingdom		United States		Other Countries		All Countries
		Quantity	Value	Quantity	Value	Quantity	Value	Value
1925								
Raw materials—			\$		\$		\$	\$
Fibrilla, flax fibre and flax tow.....	cwt.	4	13	6,152	29,763	660	1,531	31,307
Hemp, dressed or undressed.....	"	62	511	243,363	2,736,220	5,416	50,006	2,786,737
Jute butts and jute.....	"			806	5,479			5,479
Fibre, Mexican, istle or tampico.....	"	435	6,501	1,512	30,189	707	9,013	45,703
Manila grass.....	"	2	29	40,350	564,371			564,400
Sisal grass.....	"	22,914	223,220	188,954	1,720,651	55,661	487,664	2,431,535
Partly manufactured materials—								
Jute or hemp yarn.....	lb.	2,447,711	312,484	611,036	104,622	188,014	57,530	474,636
Manufactured articles—								
Sail twine of hemp or flax.....	"	2,440	972	269	262	3,023	1,202	2,436
Binder twine.....	"	5,590	789	38,941,030	5,410,016	8,439,974	1,261,018	6,671,823
Fishing lines, n.o.p.....			8,791		44,057		172	53,020
Twines and cordage, all kinds, n.o.p.....	lb.	1,497,422	241,090	561,241	183,679	111,015	14,693	439,462
Twines, n.o.p.....			36,350		15,278		345	51,973
Cordage cotton, all kinds.....	lb.	248,471	85,794	125,002	60,781	6,318	3,743	150,318
Totals.....			916,544		10,905,368		1,886,917	13,708,829
1926								
Raw materials—								
Fibrilla, flax fibre and flax tow.....	cwt.	30	328	7,751	27,877	3,560	39,013	67,018
Hemp, dressed or undressed.....	"			173,289	2,106,968	13,453	142,128	2,249,096
Jute, butts and jute.....	"	25	942	3,211	22,528			23,470
Fibre, Mexican, istle or tampico.....	"	841	13,400	2,482	38,786	604	8,538	60,724
Manila grass.....	"	367	3,517	54,264	718,265	2,387	22,312	744,094
Sisal grass.....	"	12,687	129,976	347,483	3,369,753	60,050	616,534	4,116,263
Partly manufactured materials—								
Jute or hemp yarn.....	lb.	2,944,010	401,088	744,484	137,798	234,848	58,925	597,811
Manufactured articles—								
Sail twine of hemp or flax.....	"	3,235	1,567	112	48			1,615
Binder twine.....	"	206,955	29,925	18,099,040	2,706,508	10,013,080	1,391,545	4,127,978
Fishing lines, n.o.p.....			10,059		35,729		150	45,938
Twines and cordage, all kinds, n.o.p.....	lb.	1,969,026	342,792	540,032	155,319	102,658	16,391	514,502
Twines, n.o.p.....			26,503		9,795		269	36,627
Cordage cotton, all kinds.....	lb.	182,200	54,967	309,431	139,580	7,174	1,997	196,544
Totals.....			1,015,124		9,468,754		2,297,862	12,781,680

**Table 138b.—Exports by Principal Countries, 1925 and 1926**

Articles exported	Unit of measure	United Kingdom		United States		Other Countries		All Countries
		Quantity	Value	Quantity	Value	Quantity	Value	Value
1925			\$		\$		\$	\$
Partly manufactured materials— Flax fibre and flax tow.....	cwt.	1,029	15,614	9,545	107,032	934	24,200	146,846
Manufactured articles— Binder twine.....	"	13,798	155,344	71,732	935,223	9,947	110,054	1,200,621
Cordage, rope and twine.....			23,451		4,852		99,472	127,775
Totals.....			194,409		1,047,107		233,726	1,475,242
1926								
Partly manufactured materials— Flax fibre and flax tow.....	cwt.	287	7,185	7,480	41,541			48,726
Manufactured articles— Binder twine.....	"	8,253	90,836	31,028	418,777	45,353	546,553	1,056,166
Cordage, rope and twine.....			16,948		1,514		98,859	117,321
Totals.....			114,969		461,832		645,412	1,222,213

**Table 139.—Cordage, Rope and Twine Industry: Consumption of Binder Twine in Canada, 1923, 1924, 1925 and 1926**

	1923		1924		1925		1926	
	Quantity	Value	Quantity	Value	Quantity	Value	Quantity	Value
	cwt.	\$	cwt.	\$	cwt.	\$	cwt.	\$
Production.....	431,455	4,819,760	574,209	6,698,033	482,247	5,805,011	584,311	7,611,098
Imports.....	539,407	5,743,663	269,594	3,270,706	473,865	6,671,823	283,191	4,127,978
<b>Total</b> .....	970,862	10,563,423	843,803	9,968,739	956,112	12,476,834	867,502	11,739,076
Exports.....	160,432	1,672,700	119,754	1,402,576	95,477	1,200,621	84,634	1,056,166
<b>Consumption</b> .....	810,430	8,890,723	724,049	8,566,163	860,635	11,276,213	782,868	10,682,910



## CHAPTER XV

### THE COTTON AND JUTE BAG INDUSTRY

Fourteen establishments, 6 in Ontario, 4 in Manitoba, 3 in Quebec and 1 in British Columbia were engaged in the manufacture of cotton and jute bags in 1926; the number of firms in operation in that year was one less than in 1925, but two more than in 1917, the first year for which records are available. Details are furnished in Table 140.

The total capital investment in this industry was \$5,565,514 in 1926, a decrease of \$741,612 over the previous year, and \$2,693,818 less than the maximum reached in 1918.

The total number of employees in 1926 was 975 of whom 98 were on salaries and 877 on wages; of the wage-earners, 272 were employed in Quebec, 289 in Ontario, 251 in Manitoba and the balance in British Columbia. The total was slightly less than in 1925, but larger than in any other year since 1917 with the exception of 1924, when the highest number was employed.

The selling value of product increased each year since 1921 until in 1925 it was \$14,072,099, compared with \$8,888,991 five years before. The cost of materials used has risen proportionately so that the value added by manufacture has changed very slightly in the last seven years. The single exception is 1920, when rising prices of raw materials ran ahead of the selling price of the finished product. In consequence the value added by manufacture of \$863,938 fell short by \$487,268 of meeting the bill for salaries, wages, fuel and miscellaneous expenses—not to mention interest charges and depreciation, which were not asked for in the questionnaire of that year. The next year showed a prompt recovery and since then value added by manufacture has ranged from \$1,600,000 to \$2,250,000.

Table 140.—Cotton and Jute Bag Industry: Summary Statistics, 1917-1926

	Number of establishments	Fixed capital	Working capital	Salaried employees	Total salaries	Wage-earners		Total wages	Cost of fuel	Power installed	Cost of materials	Selling value of products	Value added by manufacture
						Male	Female						
		\$	\$	No.	\$	No.	No.	\$	\$	H.P.	\$	\$	\$
1917—Canada.....	12	1,531,034	4,190,139	78	118,234	241	413	393,077	21,931	621	8,619,752	12,734,588	4,114,836
Quebec.....	3	652,312	1,507,490	27	32,202	105	202	140,452	5,295	129	2,824,914	4,037,350	1,212,436
Ontario.....	3	118,338	864,334	25	33,408	50	106	94,775	3,426	116	1,978,300	2,943,460	965,156
Manitoba.....	4	767,384	1,807,815	26	50,844	81	99	153,610	12,250	376	3,815,534	5,703,778	1,888,244
1918—Canada.....	13	2,096,930	6,162,402	128	225,235	236	531	524,739	24,328	1,008	16,845,513	19,536,283	2,690,770
Quebec.....	3	711,952	2,168,431	68	112,303	83	173	204,962	7,044	317	4,803,370	5,678,543	875,173
Ontario.....	4	532,330	1,474,048	26	30,898	65	141	121,289	2,879	162	3,993,781	4,611,566	617,785
Manitoba.....	5	840,252	2,398,415	30	74,564	81	194	179,035	14,405	507	7,756,654	8,850,724	1,094,070
1919—Canada.....	14	2,245,333	5,585,713	102	184,844	255	544	554,878	25,464	901	14,417,112	16,949,134	2,532,022
Quebec.....	4	823,843	2,016,493	33	51,743	96	201	182,808	7,224	332	5,316,527	6,056,353	739,826
Ontario.....	4	493,480	1,232,570	31	44,170	71	132	141,857	3,125	122	3,333,426	3,815,072	511,646
Manitoba.....	5	918,098	2,140,590	34	82,636	80	189	205,934	15,115	415	5,425,637	6,637,776	1,212,139
1920—Canada.....	16	2,309,852	3,430,150	108	214,238	272	520	641,009	28,962	976	14,524,605	15,388,543	863,938
Quebec.....	5	837,941	1,098,639	37	66,937	93	188	194,864	10,483	261	4,902,982	5,189,741	286,739
Ontario.....	6	517,867	638,249	36	56,780	86	140	179,069	6,024	134	3,414,753	3,856,814	442,061
Manitoba.....	4	934,043	1,460,952	31	83,806	84	160	234,255	12,455	550	5,645,868	5,724,875	79,007
1921—Canada.....	16	2,495,948	2,323,106	104	242,132	259	485	562,239	27,486	1,057	7,198,203	8,888,991	1,690,788
Quebec.....	5	961,346	725,880	42	86,026	92	189	188,516	7,550	271	2,303,074	2,929,613	626,539
Ontario.....	6	586,930	507,849	26	49,603	74	117	139,853	3,917	125	1,521,598	1,972,544	450,946
Manitoba.....	4	928,442	883,491	32	96,745	85	155	205,885	16,019	639	3,105,370	3,661,610	556,240
1922—Canada.....	14	2,390,391	3,475,997	100	227,441	313	505	635,998	27,298	1,010	8,701,562	10,970,224	2,268,662
Quebec.....	4	964,431	1,647,337	34	82,028	93	201	205,612	9,135	238	2,991,732	3,734,237	742,495
Ontario.....	5	571,204	674,119	28	53,186	113	87	154,480	4,440	137	1,860,792	2,376,297	515,505
Manitoba.....	4	833,144	1,098,788	34	82,149	97	187	241,503	13,723	613	3,489,353	4,428,652	939,299
1923—Canada.....	16	2,430,584	2,925,511	104	250,738	274	548	628,353	24,249	833	10,630,855	12,288,301	1,651,446
Quebec.....	5	975,971	941,164	34	79,104	95	191	191,897	7,411	235	3,552,468	4,048,060	485,592
Ontario.....	6	605,966	634,472	29	61,917	76	139	155,801	3,457	141	2,211,369	2,638,709	427,340
Manitoba.....	4	824,692	1,300,679	36	98,053	93	187	246,514	13,381	427	4,388,178	5,043,311	655,133
1924—Canada.....	16	2,504,897	3,190,466	105	246,275	312	589	682,070	23,238	1,157	11,903,020	13,802,506	1,899,486
Quebec.....	4	952,403	1,043,319	30	71,885	90	176	184,521	6,384	323	3,356,588	3,809,093	452,417
Ontario.....	7	709,065	738,314	37	79,900	118	185	220,937	3,798	201	3,773,747	4,426,604	652,857
Manitoba.....	4	811,315	1,281,700	33	75,377	92	189	237,531	13,056	603	4,272,348	4,967,866	695,518
1925—Canada.....	15	2,651,935	3,655,191	101	243,371	305	578	696,268	20,557	1,109	12,948,571	14,932,322	1,983,751
Quebec.....	3	953,584	1,185,204	29	78,449	86	183	200,121	6,100	224	4,602,347	5,109,029	546,682
Ontario.....	7	737,952	1,084,957	34	70,432	112	198	233,383	3,668	224	3,489,517	4,046,506	556,989
Manitoba.....	4	867,210	1,178,329	33	79,344	95	156	218,365	10,789	615	4,232,985	5,022,085	789,100
1926—Canada.....	14	2,652,597	2,912,917	98	257,877	282	595	672,902	21,561	1,102	12,277,373	14,072,099	1,794,726
Quebec.....	3	953,539	851,556	30	78,892	85	187	189,063	6,585	224	3,732,097	4,212,035	479,938
Ontario.....	6	724,497	700,454	34	76,627	98	191	221,062	4,353	255	3,450,112	3,934,494	484,382
Manitoba.....	4	867,472	1,109,416	29	82,592	85	166	212,246	10,623	588	4,369,957	5,077,484	707,527

**Employment and Hours of Labour.**—The average annual earnings per wage-earner, the average number of hours worked per week and the average number of days worked per plant per year, are shown in Table 141 for Canada and for the Provinces, for the years 1917-26.

It may be noted that average annual wages have risen from \$601 in 1917 to \$788 in 1925, then fell again to \$767 in 1926, while the average week worked has fallen from 52.4 hours in 1917 to 48.9 hours in 1926.

Employment by months in 1924, 1925 and 1926 (Table 142) shows that employment in this industry is fairly steady, varying only 139 between the month of maximum and the month of minimum employment. The average number employed shows a slight decrease each year, falling from 901 in 1924 to 880 in 1926.

**Table 141.—Cotton and Jute Bag Industry: Principal Employment Statistics, 1917-1926**

	No. of estab- lish- ments	No. of wage- earners	Average annual wage  \$	Average working week: hours	Average No. of days worked per plant per year
1917—Canada.....	12	654	601	52.4	292
Quebec.....	3	307	457	53.0	304
Ontario.....	3	156	608	53.3	296
Manitoba.....	4	180	853	52.0	283
1918—Canada.....	13	767	684	51.4	291
Quebec.....	3	256	800	54.6	304
Ontario.....	4	206	589	49.2	283
Manitoba.....	5	275	661	51.6	280
1919—Canada.....	14	799	694	47.4	270
Quebec.....	4	297	612	49.8	295
Ontario.....	4	203	699	46.7	276
Manitoba.....	5	269	765	46.0	239
1920—Canada.....	16	792	809	46.7	284
Quebec.....	5	281	693	49.8	261
Ontario.....	6	226	792	47.6	289
Manitoba.....	4	244	900	44.7	300
1921—Canada.....	16	744	753	46.4	244
Quebec.....	5	281	671	39.0	206
Ontario.....	6	191	732	53.2	251
Manitoba.....	4	240	858	46.0	274
1922—Canada.....	14	818	777	48.1	271
Quebec.....	4	294	699	48.0	276
Ontario.....	5	200	772	48.8	257
Manitoba.....	4	284	850	47.0	281
1923—Canada.....	16	822	764	46.9	275
Quebec.....	5	286	671	48.6	264
Ontario.....	6	215	725	45.3	284
Manitoba.....	4	280	880	47.0	276
1924—Canada.....	16	901	757	48.4	284
Quebec.....	4	266	693	49.0	287
Ontario.....	7	303	729	48.9	285
Manitoba.....	4	281	845	47.0	280
1925—Canada.....	15	883	788	48.9	265
Quebec.....	3	269	744	49.0	280
Ontario.....	7	310	753	49.5	251
Manitoba.....	4	251	870	47.8	271
1926—Canada.....	14	877	767	48.9	273
Quebec.....	3	272	695	49.0	271
Ontario.....	6	289	765	49.7	280
Manitoba.....	4	251	846	48.0	260

Table 142a.—Cotton and Jute Bag Industry: Employment by Months, 1924-1926

	1924			1925			1926		
	Male	Female	Total	Male	Female	Total	Male	Female	Total
January.....	311	588	899	308	572	880	298	618	916
February.....	309	562	871	298	562	860	294	596	890
March.....	310	568	878	303	577	880	291	588	879
April.....	304	582	886	300	552	852	281	578	859
May.....	299	589	888	286	546	832	277	572	849
June.....	304	568	872	289	528	817	278	565	843
July.....	305	575	880	294	558	852	277	572	849
August.....	312	581	893	296	561	857	273	586	859
September.....	317	616	933	310	611	921	280	604	884
October.....	321	624	945	315	628	943	289	622	911
November.....	325	618	943	348	608	956	289	634	923
December.....	321	599	920	315	619	934	285	617	902
Average.....	312	589	901	305	578	883	284	596	880

Table 142b.—Cotton and Jute Bag Industry: Number of Wage-Earners in month of Highest Employment, 1925 and 1926, Working per Day

		Canada	Quebec	Ontario	Manitola
Eight hours and less.....	1925	208		111	97
	1926	192		97	95
Nine hours.....	1925	663	285	185	133
	1926	581	158	174	177
Ten hours.....	1925	64		54	10
	1926	80	29	40	11
Over ten hours.....	1925	58		4	54
	1926	102	98		4

Table 143.—Cotton and Jute Bag Industry: Principal Products, 1924-1926

Classes of Products	1924		1925		1926	
	Quantity	Value	Quantity	Value	Quantity	Value
		\$		\$		\$
Cotton bags..... No.	40,761,945	5,720,266	47,759,887	5,498,818	49,879,211	5,113,712
Jute bags..... "	56,475,579	7,834,732	55,816,979	8,978,157	56,431,540	8,546,880
Tea bags, individual.....		29,238		35,739		31,896
Bags, repaired.....		53,464		104,794		125,097
Hessian..... Yd.	1,145,324	104,842	1,401,931	168,140	1,752,599	200,789
All other products.....		50,904		146,674		53,725
Total value.....		13,892,596		14,832,322		14,672,699



## CHAPTER XVI

### THE LINEN GOODS INDUSTRY

The linen goods industry is the smallest of the several groups into which the Textile Industries have been subdivided. In 1926, it included 6 establishments with a combined capital of \$1,074,854, giving employment to 17 persons on salaries and 205 wage-earners; the value added by manufacture was \$198,241. Under the circumstances, employment statistics are omitted and the products of the industry will be found in the alphabetical list of Products made in the Textile Industries (Table 32).

Table 144.—The Linen Goods Industry: Summary Statistics, 1917-1926

Year	Estab- lish- ments	Fixed capital	Working capital	Salaried employ- ees	Total salaries	Wage-earners	
						Male	Female
	No.	\$	\$	No.	\$	No.	No.
1917.....	3	694,732	556,144	29	34,450	72	136
1918.....	4	325,439	266,780	19	35,470	42	82
1919.....	4	436,412	311,832	21	56,202	52	103
1920.....	4	485,708	391,619	15	25,389	79	141
1921.....	4	421,677	402,048	15	40,855	74	115
1922.....	5	510,687	488,984	24	54,054	42	187
1923.....	5	480,320	491,006	26	63,055	86	141
1924.....	5	708,695	481,260	16	45,661	44	128
1925.....	6	500,260	385,974	14	39,510	68	126
1926.....	6	732,744	342,110	17	43,734	72	133

Year	Total wages	Cost of fuel	Power installed	Cost of materials used	Selling value of product	Value added by manu- facture
	\$	\$	h.p.	\$	\$	\$
1917.....	96,647	18,958	590	229,150	645,628	416,478
1918.....	68,003	14,224	330	241,296	538,933	297,637
1919.....	89,697	11,787	61	249,117	521,306	272,189
1920.....	115,533	14,546	27	380,936	730,181	349,245
1921.....	139,016	30,440	8	198,763	562,893	364,130
1922.....	146,863	8,632	32	260,441	642,530	382,089
1923.....	146,971	13,463	256	262,959	517,001	254,042
1924.....	146,777	14,615	573	230,780	463,608	232,828
1925.....	123,186	10,635	646	313,923	443,064	129,141
1926.....	130,725	14,442	573	317,694	515,935	198,241

## CHAPTER XVII

### DYEING, CLEANING AND LAUNDRY WORK INDUSTRY

The dyeing, cleaning and laundry work industry includes also the dyeing and finishing of textiles, formerly treated as an independent industry. The principal statistics of the combined industries are given below for Canada from 1917-26 and by provinces for the years 1924, 1925 and 1926. Comparison of recent with earlier returns is particularly difficult in this industry, owing to the variations in the number of establishments reporting. It is intended to exclude all but steam laundries from this group, but as yet this has not been fully done. Hence, the returns are given in tabular form but without comment.

Table 145.—Dyeing, Cleaning and Laundry Work, Including Dyeing and Finishing of Textiles: Principal Statistics, 1917-1926

—	Num- ber of estab- lish- ments	Fixed capital	Working capital	Salaried em- ployees	Total salaries	Wage-earners		Total wages	Cost of fuel	Power installed	Cost of materials	Selling value of products	Value by added manu- facture
						Male	Female						
		\$	\$	No.	\$	No.	No.	\$	\$	H.P.	\$	\$	\$
1917—Canada.....	299	4,853,070	1,041,467	461	483,384	1,832	3,473	3,050,696	475,278	7,120	1,415,157	7,487,956	6,072,799
1918—Canada.....	341	5,687,748	1,113,695	603	620,565	2,133	3,787	3,520,155	564,532	6,043	1,440,506	8,969,272	7,528,766
1919—Canada.....	366	6,904,022	1,536,604	657	841,710	2,529	4,054	4,478,902	745,813	8,891	1,664,850	11,820,778	10,155,928
1920—Canada.....	379	7,774,379	1,827,385	663	1,018,665	2,638	3,909	5,487,202	980,806	7,528	1,835,375	14,167,933	12,332,558
1921—Canada.....	535	7,870,654	.....	.....	.....	2,918	3,954	6,247,736	829,822	.....	1,796,202	13,878,805	12,082,603
1922—Canada.....	620	8,740,368	.....	.....	.....	3,341	4,149	6,538,832	782,756	.....	1,733,273	14,649,726	12,916,453
1923—Canada.....	605	10,798,733	.....	.....	.....	3,513	4,456	7,156,359	835,583	.....	11,824,628	15,551,684	13,727,056
1924—Canada.....	518	12,406,794	2,524,065	651	1,145,766	3,168	4,246	6,324,020	880,983	11,792	2,218,890	15,577,050	13,358,160
Nova Scotia.....	13	229,730	46,446	12	25,648	63	102	107,182	24,205	455	49,038	320,338	271,300
New Brunswick.....	19	229,064	83,376	17	24,415	80	100	119,813	29,149	521	47,425	360,324	312,899
Quebec.....	61	3,515,066	866,327	181	358,197	839	1,107	1,555,896	242,219	2,944	624,885	3,882,259	3,257,374
Ontario.....	241	4,883,770	810,075	248	403,982	1,302	1,571	2,418,851	377,676	4,481	837,246	6,156,394	5,319,148
Manitoba.....	38	1,370,814	199,357	52	99,142	243	331	546,482	57,755	835	172,711	1,310,920	1,138,209
Saskatchewan.....	21	313,786	83,695	24	36,354	94	131	232,311	41,561	342	111,124	557,340	446,216
Alberta.....	38	588,932	162,141	42	78,184	155	223	362,789	43,248	920	145,022	861,149	716,127
British Columbia.....	86	1,190,537	237,137	75	119,884	390	671	985,593	70,170	1,456	226,710	2,112,125	1,885,415
1925—Canada.....	343	13,106,927	2,661,051	622	1,142,410	3,023	4,393	6,172,412	823,207	11,548	2,433,053	15,578,482	13,145,429
Nova Scotia.....	17	356,944	55,543	14	32,248	79	123	135,344	27,159	561	56,604	385,654	329,050
New Brunswick.....	18	238,123	73,908	18	23,668	75	93	110,209	25,510	502	51,538	345,218	283,080
Quebec.....	72	4,209,265	970,328	154	329,718	960	1,167	1,657,293	261,104	3,250	742,288	4,366,892	3,264,004
Ontario.....	123	5,291,884	877,979	245	432,678	1,117	1,608	2,218,855	324,275	3,057	888,945	6,704,238	4,815,293
Manitoba.....	20	769,166	245,926	57	97,338	202	326	523,034	43,501	803	192,646	1,261,966	1,069,320
Saskatchewan.....	14	417,486	82,129	19	31,064	81	123	190,188	32,438	503	81,806	497,194	415,388
Alberta.....	22	619,823	170,697	39	76,511	135	263	349,300	41,610	460	150,137	905,713	744,576
British Columbia.....	56	1,283,576	200,814	76	119,185	372	680	982,193	65,837	1,499	252,540	2,084,601	1,842,061
1926—Canada.....	350	14,693,889	2,534,438	653	1,225,766	3,356	4,963	6,999,925	878,085	12,485	2,104,176	17,642,268	15,538,092
Nova Scotia.....	15	360,498	64,267	15	35,188	74	134	138,338	23,630	494	34,607	401,383	366,776
New Brunswick.....	18	230,214	35,684	16	22,375	77	92	119,902	28,494	530	26,623	363,870	327,247
Quebec.....	76	4,599,352	955,119	163	368,226	1,053	1,336	1,900,087	287,319	3,649	743,194	5,150,583	4,387,389
Ontario.....	136	6,100,472	788,487	283	493,793	1,281	1,801	2,618,279	361,973	4,449	794,429	6,507,138	5,772,718
Manitoba.....	16	809,281	264,227	45	76,259	215	358	533,688	52,451	623	121,641	1,335,626	1,213,985
Saskatchewan.....	14	474,389	51,144	20	41,869	86	140	211,036	31,253	707	70,702	560,171	489,469
Alberta.....	18	569,129	156,452	40	73,302	169	293	398,254	30,129	490	117,211	931,332	814,121
British Columbia.....	56	1,602,794	264,172	62	111,034	396	796	1,085,421	61,342	1,461	184,435	2,335,372	2,150,937

Table 146.—Dyeing, Cleaning and Laundry Work Industry: Principal Employment Statistics, 1924, 1925 and 1926

	No. of Est.	No. of wage- earners	Average annual wage	Average No. of hours worked per week	Average No. of days worked per estab- lishment
			\$		
1924—Canada.....	518	7,409	853	49.1	287
Nova Scotia.....	13	165	649	46.2	256
New Brunswick.....	19	180	666	49.1	284
Quebec.....	61	1,946	799	51.1	291
Ontario.....	241	2,873	842	49.2	285
Manitoba.....	38	574	952	49.2	294
Saskatchewan.....	21	225	988	47.4	279
Alberta.....	38	378	959	48.4	296
British Columbia.....	86	1,061	929	47.7	291
1925—Canada.....	343	7,416	832	49.7	287
Nova Scotia.....	17	202	670	49.0	258
New Brunswick.....	18	18	656	51.3	277
Quebec.....	72	2,127	778	52.0	280
Ontario.....	123	2,725	814	49.4	292
Manitoba.....	20	528	996	50.0	288
Saskatchewan.....	14	204	932	49.3	282
Alberta.....	22	398	877	50.0	295
British Columbia.....	56	1,052	933	47.3	292
1926—Canada.....	350	8,319	841	50.2	286
Nova Scotia.....	15	208	665	50.0	256
New Brunswick.....	18	169	706	50.0	280
Quebec.....	76	2,389	795	53.0	285
Ontario.....	136	3,088	848	50.1	290
Manitoba.....	16	573	914	50.0	294
Saskatchewan.....	14	226	934	49.4	294
Alberta.....	18	402	862	49.1	288
British Columbia.....	56	1,192	911	47.5	288

Table 147a.—Dyeing, Cleaning and Laundry Work Industry: Employment by Months, 1924-1925

	1924			1925			1926		
	Male	Female	Total	Male	Female	Total	Male	Female	Total
January.....	3,022	4,082	7,104	2,821	4,198	7,019	3,126	4,545	7,671
February.....	3,070	4,057	7,127	2,885	4,159	7,041	3,174	4,568	7,742
March.....	3,123	4,139	7,262	2,958	4,237	7,195	3,274	4,709	7,983
April.....	3,217	4,263	7,480	3,045	4,348	7,393	3,355	4,858	8,213
May.....	3,221	4,363	7,584	3,052	4,408	7,460	3,341	4,950	8,291
June.....	3,194	4,358	7,552	3,042	4,464	7,506	3,354	5,015	8,369
July.....	3,225	4,362	7,587	3,065	4,515	7,580	3,361	5,125	8,486
August.....	3,188	4,353	7,551	3,028	4,476	7,504	3,370	5,187	8,557
September.....	3,230	4,371	7,601	3,108	4,494	7,602	3,468	5,207	8,675
October.....	3,217	4,275	7,492	3,121	4,462	7,583	3,464	5,118	8,582
November.....	3,172	4,187	7,359	3,088	4,440	7,528	3,380	5,047	8,427
December.....	3,130	4,142	7,272	3,059	4,424	7,483	3,352	5,012	8,364
Average.....	3,168	4,246	7,414	3,023	4,398	7,416	3,356	4,963	8,319

Table 147b.—Number of Wage-Earners in Month of Highest Employment, 1925 and 1926 Working per Day

	Canada	Nova Scotia	New Brunswick	Quebec	Ontario	Manitoba	Saskat- chewan	Alberta	British Columbia
8 hours and less.....1925	4,111	155	100	645	1,492	51	215	356	1,097
.....1926	4,789	162	63	596	2,098	50	160	435	1,225
9 hours.....1925	2,620	56	67	684	1,186	408	7	70	70
.....1926	2,797	66	65	811	1,690	589	40	50	86
10 hours.....1925	1,243	.....	16	1,057	130	39	.....	.....	1
.....1926	1,299	.....	15	1,104	170	.....	7	1	2
Over 10 hours.....1925	99	.....	.....	20	73	4	2	.....	.....
.....1926	168	.....	.....	113	55	.....	.....	.....	.....





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