

CANADA
DEPARTMENT OF TRADE AND COMMERCE
DOMINION BUREAU OF STATISTICS
CENSUS OF INDUSTRY

REPORT
on the
HOSIERY, KNIT GOODS & FABRIC GLOVE INDUSTRY
in
CANADA
1924

Section I Hosiery and Knit goods

" II Fabric gloves



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OTTAWA

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NOTE.- The statistics published in the present statement include only the statistics of such manufacturing establishments that make Hosiery, Knitted goods and fabric gloves as their principal product. The statistics relating to specific products are therefore not to be regarded as comprehensive as products like, Hosiery and Knitted goods and fabric gloves are also found as secondary products of other industries such as Woollen industry.

DEPARTMENT OF TRADE AND COMMERCE

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OTTAWA - CANADA

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HOSIERY, KNIT GOODS AND FABRIC GLOVE INDUSTRIES IN CANADA.

1924

Ottawa, May, 1926. A report is herewith presented on the hosiery, knit goods and fabric glove industries in Canada during the calendar year 1924. This report has been divided into 2 sections viz: (1) Hosiery and knit goods and (2) fabric gloves. In the former there were 150 establishments located as follows: Ontario 106; Quebec 28; Manitoba 4; Alberta 3; British Columbia 3; Nova Scotia 3; New Brunswick 2; Saskatchewan 1. Statistics for the last 2 provinces have been combined and are shown as "Other Provinces". In the latter section reports were received from 8 establishments, 3 of which were in Ontario; 3 in Quebec and 2 in British Columbia. It has been necessary to combine statistics for the last two provinces also, in order to prevent disclosure of information concerning individual establishments.

HOSIERY, KNIT GOODS AND FABRIC GLOVE INDUSTRIES IN CANADA, 1924.

Principal Statistics

A summary of the principal statistics for each section of the industry is presented by provinces in Table 1a and 1b for the calendar year 1924.

Table 1a. Principal Statistics of Hosiery and Knit Goods Industry by provinces, 1924.

		CANADA	Ontario	Quebec	Manitoba	Alberta	British Columbia	Nova Scotia	Other # Provinces
Establishments	No.	150	106	28	4	3	3	3	3
Capital	\$.	46,126,001	34,745,453	7,527,652	373,060	66,545	203,593	2,546,290	663,408
Employees on salaries - male	No.	630	446	131	16	5	16	12	4
female	No.	354	295	37	5	1	1	10	5
salaries	\$	2,082,935	1,544,749	369,407	44,118	6,986	43,306	58,285	16,084
Wage-earners (average number) - male	No.	4,070	3,093	721	13	7	24	145	67
female	No.	8,454	6,389	1,389	60	9	77	338	192
wages	\$	8,713,588	6,722,310	1,378,035	51,875	12,819	80,213	298,218	170,118
Outside piece-workers - male	No.	3	2	1	-	-	-	-	-
female	No.	721	714	3	-	4	-	-	-
amount paid	\$	44,939	41,863	2,626	-	450	-	-	-
Cost of fuel	\$	460,856	349,357	75,870	1,371	150	885	24,816	8,407
Power installation - Units	No.	1,432	1,208	155	9	4	8	41	7
Capacity	H.P.	15,212	12,152	1,964	41	14	38	747	256
Cost of materials	\$	24,346,748	18,212,457	4,364,583	278,775	30,700	169,625	858,427	432,181
Gross value of products	\$	43,645,742	32,630,775	7,876,299	433,730	70,500	371,624	1,636,813	626,001
Net value of products	\$	19,298,994	14,418,318	3,511,716	154,955	39,800	201,999	778,386	193,820

Includes- New Brunswick 2, Saskatchewan 1.

HOSIERY, KNIT GOODS AND FABRIC GLOVE INDUSTRIES IN CANADA, 1924.

Principal Statistics - Con.

Table 1b. Principal Statistics of the fabric glove industry by provinces, 1924.

		CANADA	Ontario	Other Provinces #
Establishments	No.	8	3	5
Capital	\$	1,040,580	167,301	873,279
Employees on salaries-male	No.	20	10	10
female	No.	12	4	8
salaries	\$	62,709	24,722	37,987
Wage-earners(average number)-male	No.	68	22	46
female	No.	310	92	218
wages	\$	230,580	90,339	140,241
Outside piece-works - male	No.	1	-	1
female		115	115	-
amount paid	\$	17,558	17,358	200
Cost of fuel	\$	6,854	2,003	4,851
Power installation - units	No.	45	6	39
capacity	H.P.	154	35	119
Cost of materials	\$	411,283	107,454	303,829
Gross value of products	\$	859,781	284,092	575,689
Net value of products	\$	448,498	176,638	271,860

Includes:- Quebec 3, British Columbia 2.

A comparative statement of the products of both sections of the industry by groups of commodities is given in the following table for the calendar years 1923,-1924.

Classified groups of products	Unit of measure	1923		1924	
		Quantity	Selling Value	Quantity	Selling Value
Hosiery all kinds	doz.pr.	2,780,917	14,775,685	3,041,450	13,628,494
Underwear combination	dozen	510,438	6,070,167	425,528	5,376,525
Underwear separate	"	1,706,506	11,412,450	1,448,301	9,805,358
Yarns all kinds	lb.	2,330,988	2,576,813	1,456,196	1,530,127
Other knitted or woven goods	dozen	-	8,461,404	-	9,683,739
Gloves, knitted and fabric	doz.pr.	275,873	1,810,571	258,672	1,624,079
All other products	-	-	2,414,486	-	2,857,201
Total	-	-	47,521,576	-	44,505,523

HOSIERY, KNIT GOODS AND FABRIC GLOVE INDUSTRIES IN CANADA, 1924.

SECTION I. HOSIERY AND KNIT GOODS

Production

The quantity and value of the various products of this section of the industry is given in Table II, for the calendar year 1924. Sweaters^{and} cardigan etc. rank first in importance with a selling value of \$7,475,351; hosiery silk or silk mixed comes next with \$5,921,906, followed by underwear separate all cotton with \$5,274,564, whilst fourth place is held by hosiery woollen and worsted with \$4,188,810 and underwear combination, all cotton, occupies fifth position with \$2,975,238. The total value of all products in 1923 was \$46,524,174, whilst the amount reported for the period covered by this report was \$43,645,742; a decrease of \$2,878,432.

Table II. Production of Hosiery and knit goods - 1924.

Principal Products	Unit of measure	Quantity	Value \$
Hosiery:- woollen and worsted	dozen	885,597	4,188,810
merino or mixed	"	262,681	988,171
cotton	"	972,874	2,394,227
silk and silk mixed	"	829,498	5,921,906
Elastic	"	800	20,380
mercerized	"	30,000	115,000
Underwear, combination:-merino and mixed	"	66,820	1,324,474
all wool	"	39,274	941,405
all cotton	"	311,119	2,975,238
silk & silk mixed	"	8,715	135,408
Underwear, separate:-merino and mixed	"	154,906	1,657,625
all wool	"	207,014	2,513,040
all cotton	"	1,052,274	5,274,564
silk or silk mixed	"	27,857	285,129
artificial silk	"	6,250	75,000
Woollen and worsted yarns (for sale)	pound	882,934	1,229,418
Cotton, merino and mixed yarns (for sale)	"	573,262	300,709
Gloves and mittens	-	-	767,261
Leggings and garters	-	-	82,219
Hoods, scarfs, caps and tuques	dozen	47,927	537,727
Fancy knit goods including jackets and hoods for infants	-	-	205,916
Jersey suits	dozen	7,966	147,714
Sweaters, cardigan, jackets & other fancy vests	"	331,574	7,475,351
Bathing suits	"	28,416	468,180
Shawls	"	171	3,694
Blankets	"	3,300	245,000
Boot and shoe linings and felts	-	-	196,920
Jersey cloth and stockinette	-	-	600,157
Astrakhan and similar fabrics	-	-	14,500
Batting and wadding	pound	2,276	1,468
Artificial silk knit fabric or rayon	yard	766,160	1,186,519
All other miscellaneous products	-	-	974,114
Amount received for custom work	-	-	31,561
Amount received for contract spinning, knitting and dyeing	-	-	366,937
Total	-	-	43,645,742

Capital Investment.

The total capital employed in the hosiery and knit goods section of the industry is shown by provinces in Table III for the calendar year 1924. Fixed capital which comprises the value of land, buildings, fixtures, machinery and tools amounted to \$23,644,913,- approximately one half of the total capitalization. By provinces, Ontario contributed \$34,745,453, which is equivalent to 75.3 per cent of the total capital investment, Quebec follows next in importance with \$7,527,652 or 16.3 per cent, the remaining 8.4 per cent being distributed over the other 6 provinces.

Table III. Capital employed by provinces - 1924.

Provinces	Fixed capital	Working capital		Fixed Capital \$
	Land, buildings, fixtures, machinery and tools \$	Materials on hand, stocks in process etc. \$	Cash, trading and operating accounts etc. \$	
CANADA	23,644,913	13,620,941	8,860,147	46,126,001
Ontario	18,408,520	10,570,251	5,766,682	34,745,453
Quebec	3,835,678	2,195,138	1,496,836	7,527,652
Manitoba	240,837	88,700	43,523	373,060
Alberta	31,744	28,271	6,530	66,545
British Columbia	56,463	108,168	38,662	203,293
Nova Scotia	705,379	439,715	1,401,196	2,546,290
Other provinces	366,292	190,698	106,418	663,408

HOSIERY, KNIT GOODS AND FABRIC GLOVE INDUSTRIES IN CANADA, 1924.

SECTION I. HOSIERY AND KNIT GOODS

Employees, Salaries and Wages.

The number of persons employed in the industry during the calendar year 1924 is given for Canada and the provinces in Table IV, by (a) classes of employment, (b) sex and (c) salary and wage payments.

Table IV. Employees, salaries and wages by provinces, 1924.

	Employees on Salaries			Employees on Wages			Outside Piece-Workers			Total		
	Male	Female	Salaries	Male	Female	Wages	Male	Female	Amount Paid	Male	Female	Salaries, Wages, etc.
	No.	No.	\$	No.	No.	\$	No.	No.	\$	No.	No.	\$
CANADA	630	354	2,082,935	4,070	8,454	8,713,588	3	721	44,939	4,703	9,529	10,841,462
Ontario	446	295	1,544,749	3,093	6,389	6,722,310	2	714	41,863	3,541	7,398	8,308,922
Quebec	131	37	369,407	721	1,389	1,378,035	1	3	2,626	853	1,429	1,750,068
Manitoba	16	5	44,118	13	60	51,875	-	-	-	29	65	95,993
Alberta	5	1	6,986	7	9	12,819	-	4	450	12	14	20,255
British Columbia	16	1	43,306	24	77	80,213	-	-	-	40	78	123,519
Nova Scotia	12	10	58,285	145	338	298,218	-	-	-	157	348	356,503
Other Provinces	4	5	16,084	67	192	170,118	-	-	-	71	197	186,202

HOSIERY, KNIT GOODS AND FABRIC GLOVE INDUSTRIES IN CANADA, 1924
SECTION I. HOSIERY AND KNIT GOODS

Other Employment Statistics

The number of days the establishments were in operation during the calendar year 1924 together with the number of hours per day or shift^{per} week normally worked by wage-earners will be found in Table V(a). The number of wage-earners employed during the same period is given by sex and by months in Table V(b). The maximum number reported was 12,899 in the month of November, whilst the minimum was reached in July with 11,875.

Table V(a). Days in operation and hours worked, 1924.

Number of establishments in operation	150	
	Total	Average
Days in operation on full time	75,808	238.7
Days in operation on part time	4,749	31.7
Days idle	5,043	33.6
Hours worked by wage-earners per day or shift	130,048	8.9
Hours worked by wage-earners per week	7,223	48.1

Table V(b) Wage-earners by months, 1924.

Months	Male No.	Female No.	Months	Male No.	Female No.
January	4,072	8,482	July	3,937	7,938
February	4,091	8,675	August	3,974	8,201
March	4,113	8,640	September	4,005	8,282
April	4,085	8,574	October	4,200	8,588
May	4,042	8,353	November	4,164	8,735
June	3,991	8,398	December	4,161	8,579
Total				48,835	101,445
Average number employed during the year				4,070	8,454

Materials Used.

The cost of all materials used during the calendar year 1924 was \$24,346,748. Of this amount the province of Ontario accounted for \$13,212,457 or 74.8 per cent. Quebec follows next with \$4,364,583 or 17.9 per cent, - the other provinces being responsible for the remaining 7.3 per cent. Manufacturers were not required to furnish either the kind or quantity of the various materials used in this section of the industry, for the period covered by this report.

Equipment

The equipment installed in the industry is given in Table VI compared for the calendar years 1923, 1924.

Table VI. Equipment in Hosiery and Knitting Mills, 1923, 1924.

Classes of equipment	1923	1924
Sets of cards	234	230
Mule spinning spindles	66,009	66,001
Frame spinning spindles	32,958	32,722
Doubling and twisting spindles	9,198	8,324
Sewing machines	5,092	4,472
Knitting machines, power	12,189	12,910
Knitting machines, hand	434	423

HOSIERY, KNIT GOODS AND FABRIC GLOVE INDUSTRIES IN CANADA, 1924.
SECTION I. HOSIERY AND KNIT GOODS

Fuel Statistics

The quantity and cost value of the various kinds of fuel used in this section of the industry is given in Table VII for the calendar year 1924. Out of a total expenditure for all fuel of \$460,856, - coal of all kinds accounted for \$421,250 or 91.4 per cent, coke takes second place with \$18,422 whilst gas occupies third position with \$15,201.

Table VII. Fuel Consumption, 1924.

	Unit of measure	Quantity	Cost Value \$
Bituminous coal	ton	56,883	381,034
Anthracite coal	"	5,948	38,737
Lignite coal	"	164	1,479
Coke	"	3,711	18,422
Gasoline	gallon	2,392	597
Oil (fuel)	"	28,444	3,678
Wood	cord	312	1,577
Gas	m.c.ft.	27,958	15,201
Other fuel	-	-	131
Total	-	-	460,856

Power Installation.

The power installed in the industry is given in Table VIII for the calendar year 1924, by (a) classes of power, (b) number of units in each class and (c) horse power capacity according to manufacturer's rating. Electricity is again the principal motive power employed with a total installation of 1,365 motors generating 8,843 horse power.

Table VIII. Power Installation, 1924.

Classes of Power	Number of Units	Horse Power Capacity
Steam engines and turbines	28	3,409
Oil, gas and gasoline engines	15	1,013
Hydraulic turbines or water wheels	24	1,947
Electric motors, operated by purchased power	1,232	7,860
Total power used in manufacturing	1,299	14,229
Electric motors operated by power generated at the factory	133	983
Total electric motors	1,365	8,843
Total Power Installation	1,432	15,212

HOSIERY, KNIT GOODS AND FABRIC GLOVE INDUSTRIES IN CANADA, 1924.
SECTION I. HOSIERY AND KNIT GOODS

Imports and Exports

The quantity and value of raw or partly manufactured materials and wholly manufactured articles of hosiery underwear and other knitted goods imported into Canada for consumption during the calendar year 1924 is given in Table IX. the value of knitted articles the produce of Canada exported from Canada during the same period is shown in Table X.

Table IX. Imports of raw, partly manufactured materials and manufactured knitted goods, 1924.

Articles Imported		United Kingdom		United States		Other Countries	
		Quantity	Value	Quan.	Value	Quan.	Value
			\$		\$		\$
Yarns, knitting hosiery or other cotton dyed or not n.o.p.	lb.	90,046	57,816	340,029	190,965	-	-
Yarns, threads, and filaments of artificial silk	lb.	940,598	1,327,630	103,904	172,759	168,476	262,607
Stocks and stockings							
Cotton	doz. pr.	35,380	107,050	387,143	682,524	11,221	15,914
Silk	"	5,333	44,565	42,359	447,014	1,229	9,212
Wool	"	497,685	2,107,908	6,574	24,283	2,186	10,509
Undershirts & drawers -							
Cotton	-	-	11,727	-	171,658	-	20,413
Silk	-	-	728	-	425	-	4,220
Wool	-	-	324,019	-	4,588	-	7,952
Knitted goods of wool, n.o.p.	-	-	588,196	-	24,216	-	44,103
Knitted goods of every description	-	-	550,523	-	242,979	-	181,420
Total	-	-	5,120,162	-	1,961,411	-	556,350

Table X. Exports of Knitted goods by countries, 1924.

Articles exported	United Kingdom	United States	Other Countries
	\$	\$	\$
Underwear, woollen	89,229	1,690	156,769
Underwear, cotton	20,349	2,753	65,931
Total	109,578	4,443	222,700

HOSIERY, KNIT GOODS AND FABRIC GLOVE INDUSTRIES IN CANADA, 1924

SECTION II. FABRIC GLOVES

Production

The quantity and value of fabric gloves manufactured during the calendar year 1924 is given by provinces in Table I. There was a marked decline in the value of production over the amount reported for the previous year - the total value in 1923 being \$997,402, whilst for the period covered by this report the amount was \$859,781 - a decrease of \$137,621.

Table I. Production of fabric gloves by provinces, 1924.

Principal Products	CANADA		Ontario		Quebec	
	Quantity	Value	Quantity	Value	Quantity	Value
		\$		\$		\$
Dress gloves, lined and unlined, men's, women's and children's doz.pr.	112,105	765,528	29,162	206,998	82,943	558,530
Working gloves, mittens and gauntlets lined and unlined, men's and boys' doz.pr.	37,995	91,290	34,670	76,854	3,325	14,436
All other products	-	2,963	-	210	-	2,723
Total	-	859,781	-	284,092	-	575,689

Capital Investment

The capital invested in this section of the industry is shown by provinces for the calendar year 1924 in Table II. Out of a total capitalization of \$1,040,580, - the province of Quebec contributed \$854,674 or 82.1 per cent.

Table II. Capital employed by provinces, 1924.

Provinces	Fixed Capital	Working Capital		Total Capital
	Land, buildings, machinery, fixtures and tools	Materials on hand, stocks in process etc.	Cash, trading and operating accounts	
	\$	\$	\$	\$
CANADA	538,440	331,080	171,060	1,040,580
Quebec	439,427	273,469	141,778	854,674
Other Provinces	99,013	57,611	29,282	185,906

Employees, Salaries and Wages

The number of persons employed in the industry during the calendar year 1924 is given by provinces in Table III by (a) classes of employment, (b) sex and (c) salary and wage payments.

Table III. Employees, Salaries and Wages, 1924.

	Employees on Salaries			Employees on Wages			Outside Piece Workers			Total		
	Male	Female	Salaries	M.	F.	Wages	M.	F.	Amount Paid	M.	F.	Salaries and Wages
	No.	No.	\$	No.	No.	\$	No.	No.	\$	No.	No.	\$
CANADA	20	12	62,709	68	310	230,580	1	115	17,558	89	437	310,847
Ontario	10	4	24,722	22	92	90,339	-	115	17,358	32	211	132,419
Other Provinces	10	8	37,967	46	218	140,241	1	-	200	57	226	178,428

HOSIERY, KNIT GOODS AND FABRIC GLOVE INDUSTRIES IN CANADA, 1924.

SECTION II. FABRIC GLOVES

Other Employment Statistics

The number of days the establishments were in operation during the calendar year 1924 together with the number of hours per day and per week normally worked by wage-earners is given in Table IV (a). The number of wage-earners employed during the same period is given by sex and by months in Table IV (b). Employment reached its maximum in October with 423, whilst the minimum number reported was 338 in the month of May.

Table IV (a) - Days in operation and hours worked, 1924.

Number of establishments in operation	8	
	Total	Average per establishment
Number of days in operation on full time	1,988	248.5
Number of days in operation on part time	384	48.0
Number of days idle	60	7.5
Hours worked by wage-earners per day or shift	3,861	9.0
Hours worked by wage-earners per week	339	42.3

Table IV (b) - Wage earners employed by months, 1924.

Months	Male No.	Female No.	Months	Male No.	Female No.
January	66	294	July	66	314
February	67	296	August	66	300
March	66	306	September	67	310
April	68	289	October	72	351
May	66	272	November	73	344
June	68	303	December	72	336
Total				817	3,715
Average number employed during the year				68	310

Materials Used

The total cost of all materials used in the industry during the calendar year 1924 was \$411,283. Of this amount the Province of Quebec was accountable for \$298,504, the balance being contributed by the provinces of Ontario and British Columbia. Manufacturers were not required to furnish information concerning the kind or quantity of the various materials used during the period covered by this report, but this very important item has been included on the questionnaire for the calendar year 1925.

HOSIERY, KNIT GOODS AND FABRIC GLOVE INDUSTRIES IN CANADA, 1924.

SECTION II. FABRIC GLOVES

Fuel Statistics

The quantity and cost value of the various kinds of fuel used in the industry during the calendar year 1924 is given in Table V. Coal of all kinds is the principal item of fuel consumed with a total expenditure of \$6,610 which is equivalent to 96.4 per cent of the total fuel costs.

Table V. Fuel Consumption, 1924.

Kinds of fuel	Unit of measure	Quantity	Cost Value \$
Bituminous coal	ton	783	6,317
Anthracite coal	"	17	293
Wood	cord	16	154
Other fuel	-	-	90
Total	-	-	6,854

Power Installation

The power utilized in this section of the industry during the calendar year 1924 is given in Table VI by (a) classes of power, (b) number of units in each class and (c) horse power capacity according to manufacturers' rating.

Table VI. Power Installation, 1924.

Classes of Power	Number of Units	Horse Power Capacity
Electric motors operated by purchased power	45	154
Total	45	154

Imports and Exports

The value of fabric gloves imported into and exported from Canada during the calendar year 1924 is given in Table VII.

Table VII. Imports and Exports, 1924.

Articles	I M P O R T S			E X P O R T S		
	United Kingdom	United States	Other Countries	United Kingdom	United States	Other Countries
	\$	\$	\$	\$	\$	\$
knitted Gloves and mitts/ from fabric etc.	472,487	66,735	467,442	-	-	-
Gloves and mittens (textile), n.o.p.	-	-	-	261	99	178,357
Total	472,487	66,735	467,442	261	99	178,357

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