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REPORT

on the

HOSIERY, KNIT GOODS & FABRIC GLOVE INDUSTRY

in

CANADA

1923

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Published by Authority of the Hon. Thos. A. Low, M. P.,

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NOTE.- The statistics published in the present statement include only the statistics of such manufacturing establishments as 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, Knitted goods and fabric gloves are also found as secondary products of other industries such as the Woollen Industry.

DOMINION BUREAU OF STATISTICS  
CENSUS OF INDUSTRY  
OTTAWA, CANADA

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HOSIERY, KNIT GOODS AND GLOVE INDUSTRIES  
IN CANADA

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Ottawa, January, 1925.- A report is herewith presented on the Hosiery, Knit Goods and Glove Industries in Canada for the calendar year 1923. The manufacture of hosiery, knit goods and fabric gloves, from the nature of the principal materials used, are considered a component part of the Woollen Textile Industry for which a separate report is published. The number of establishments reporting operations during this year was 153 located as follows:- Ontario 107; Quebec 39; Manitoba 5; Alberta 4; British Columbia 4; Nova Scotia 3; and New Brunswick 1. To avoid disclosure of information concerning the operations of individual establishments the statistics for the last two provinces have been combined and are shown as "Maritime Provinces."

PRINCIPAL STATISTICS

A summary of the principal statistics of the industry will be found in Table I by provinces for the calendar year 1923.

## THE HOSIERY, KNIT GOODS AND GLOVE INDUSTRY, 1923

	CANADA	ONTARIO	QUEBEC	MANITOBA	ALBERTA	BR. COLUMBIA	MARITIME* PROVINCES
Establishments..... No.	153	107	29	5	4	4	4
Capital Investment..... \$	45,073,368	33,547,390	7,750,382	480,690	72,228	474,340	2,748,338
Employees on salaries - Male..... No.	781	514	171	29	12	24	31
Female..... No.	372	292	48	9	3	6	14
Salaries.... \$	2,200,598	1,572,903	420,185	51,145	14,320	62,290	79,755
Employees on Wages (avge.no.) Male..... No.	3,855	2,749	831	37	6	29	203
Female..... No.	9,747	7,233	1,773	82	10	121	528
Wages... \$	9,061,253	6,953,102	1,441,566	87,787	11,931	103,443	463,424
Outside piece workers - Male..... No.	2	2	-	-	-	-	-
Female..... No.	1,468	1,448	15	-	5	-	-
Amount paid. \$	84,097	64,722	18,425	-	950	-	-
Cost of fuel..... \$	552,002	424,327	86,889	2,031	146	3,560	35,049
Power installation - Units..... No.	1,348	1,050	225	10	5	15	43
Capacity..... H.P.	14,659	11,102	2,492	47	19	61	938
Miscellaneous Expenses..... \$	5,468,782	4,381,892	707,429	50,777	13,930	94,217	220,537
Cost of Materials..... \$	24,344,350	17,559,420	5,049,230	312,360	31,546	192,181	1,199,613
Value of Products..... \$	47,521,576	34,227,790	9,671,483	527,434	75,648	499,319	2,510,902
Value added by manufacture..... \$	23,177,226	16,668,370	4,622,253	215,074	44,102	307,138	1,320,289

\* Includes Nova Scotia 3; New Brunswick 1.

A comparative statement of products by classified groups will be found in the following table, for the calendar years 1922 and 1923

Classified groups of products	Unit of Measure	1922		1923		* Included in report on "Gloves and Mittens" in 1922.
		Quantity	Selling Value	Quantity	Selling Value	
Hosiery, all kinds.....	doz.pr.	2,722,355	15,385,869	2,780,917	14,775,685	
Underwear, combination.....	doz.	366,675	4,908,242	510,438	6,070,167	
Underwear, separate.....	"	1,811,043	11,638,475	1,706,506	11,412,450	
Yarns, all kinds.....	lb.	2,282,781	2,615,717	2,330,988	2,576,813	
Other knitted or woven goods.	doz.	611,257	8,995,839	458,608	8,461,404	
Silk and fabric gloves.....	doz.pr.	-*	-*	275,878	1,810,571	
All other products.....	-	-	1,419,112	-	2,414,486	
Total Selling Value	-	-	44,963,254	-	47,521,576	

THE HOSIERY, KNIT GOODS AND GLOVE INDUSTRY, 1923PRODUCTION

The quantity and value of the various products of the industry is given in Table II for the calendar year 1923. Sweaters, cardigan jackets, etc. hold the premier position in importance with a total value of \$6,545,946. Hosiery of silk or silk mixed follows next in order with \$6,436,537 whilst cotton underwear, separate, takes third place with \$5,548,557, woollen and worsted hosiery rank fourth with \$4,26,181 whilst underwear, separate, merino or mixed with \$3,538,094 takes fifth place. The total value of production in 1923 exceeded that of 1922 by \$2,558,322.

Table II.- Production of Hosiery, Knit Goods and Gloves, 1923

Principal Products.....	Unit of Measure.....	Quantity	Selling value at the factory \$
Hosiery -			
Woollen and worsted.....	doz.pr.	783,493	4,266,305
Merino or mixed.....	" "	393,888	1,487,710
Cotton.....	" "	820,162	2,255,923
Silk or silk mixed.....	" "	728,006	6,436,537
Elastic.....	" "	26,395	247,455
Mercerized.....	" "	30,000	181,300
Underwear, combination -			
Merion or mixed.....	doz.	105,046	1,864,314
All wool.....	"	49,987	1,130,486
All cotton.....	"	352,864	2,862,939
Silk or silk mixed.....	"	2,541	82,428
Underwear, separate -			
Merino or mixed.....	"	435,432	3,538,094
All wool.....	"	177,314	3,403,324
All cotton.....	"	1,089,737	5,348,557
Silk or wool mixed.....	"	5,963	122,475
Woollen and worsted yarns (for sale)	lb.	1,905,055	2,404,148
Cotton and merino or mixed yarns (for sale)	"	427,953	172,665
Leggings and gaiters.....	doz.	13,234	93,487
Hoods, scarfs, caps and toques.....	"	57,708	508,015
Fancy knit goods including bootees, jackets and hoods for infants.....	"	36,124	366,917
Jersey Suits.....	"	7,546	199,087
Sweaters, cardigan jackets and other fancy vests.....	"	288,624	5,643,946
Bathing suits.....	"	20,188	439,128
Blankets.....	pair	40,000	220,000
Mackinaw cloth.....	yard	68,000	89,377
Boot and shoe linings and felts.....	"	43,939	29,583
" " " " " " " .....	lb.	146,366	163,445
Tricolette.....	yard	60,985	78,570
Jersey cloth and stockinette.....	"	437,685	400,241
" " " " " " " .....	lb.	278,089	295,189
Astrakhan and similar fabrics.....	yard	14,500	20,000
Ties, artificial silk.....	doz.	7,932	29,056
Working shirts.....	"	11,500	130,000
Bloomers.....	"	5,830	18,620
Neckwear.....	"	8,964	62,745
Knitted silk fabric.....	yard	21,200	61,000
Knitted outwear.....	doz.	10,200	160,000
Gloves, men's & women's lined and unlined, fabric.....	"	13,410	110,657
Gloves, men's unlined woollen.....	"	5,653	24,330
" " " " silk.....	"	1,155	13,860
" " " " cotton working..	"	53,261	96,863
" women's & Childrens' lined, silk	"	194	2,037
" " " " unlined "	"	46,217	474,115
" " " " all other..	"	35,130	275,540
" and mittens, n.e.s.....	"	130,858	813,169
All other miscellaneous products....	-	-	351,226
Amount received for custom work....	-	-	22,718
Amt.recd. for contract, spinning, knitting, dyeing.....	-	-	693,136
T O T A L	-	-	47,521,576

## THE HOSIERY, KNIT GOODS AND GLOVE INDUSTRY, 1923

## CAPITAL INVESTMENT

is shown

The total capital employed in the industry, by provinces, in Table III for the calendar year 1923. Fixed capital, comprising the value of land, buildings, fixtures, machinery and tools, amounted to \$28,925,703 an increase of \$1,426,147 over the total for 1922. Working capital represented by materials on hand, stocks in process, cash trading and operating accounts, etc. was reported at \$22,147,665 a decrease of \$649,870 over the amount reported for the previous year. The net increase in the total capitalization is therefore \$835,877.

Table III.- Capital employed in the Industry, by provinces, 1923.

	Fixed Capital		
	Land, buildings and fixtures \$	Machinery and tools \$	Total \$
CANADA	9,958,613	12,957,090	22,925,703
Ontario	7,155,840	9,963,204	17,118,044
Quebec	2,195,283	2,073,863	4,269,146
Manitoba	150,250	132,609	282,859
Alberta	13,469	23,230	35,699
British Columbia	158,387	125,260	261,647
Maritime Provinces	316,584	641,924	958,308
Working Capital			
	Materials on hand	Cash, trad- ing and stocks in process, etc.	Total accounts, etc.
CANADA	15,314,395	8,835,270	22,147,665
Ontario	10,336,626	6,092,720	16,429,346
Quebec	2,145,010	1,336,226	3,481,236
Manitoba	151,534	46,237	197,831
Alberta	24,016	12,513	36,529
British Columbia	152,300	59,893	212,693
Maritime Provinces	504,403	1,285,621	1,790,030
			2,748,338

## EMPLOYEES, SALARIES AND WAGES.

The number of persons employed in the industry is given in Table IV for the calendar year 1923 by (a) classes of employment, (b) sex and (c) salary and wage payments. There was a net increase of 656 employees over the year 1922. The total payroll also rose from \$10,654,065 in 1922 to \$11,345,948 in 1923 an increase of \$691,883.

Table IV - Employees, salaries and wages - 1923

Classes of employment	Male No.	Female No.	Salaries & Wages \$
Salaried officers of corporations	90	5	483,873
General superintendents, managers	202	4	590,694
Technical experts, engineers, accountants, etc.	79	15	190,851
Clerks, stenographers, salesmen, etc.	410	348	929,180
Employees on wages, average number	3,855	9,747	9,061,253
Outside piece workers	2	1,468	84,097
TOTAL	4,638	11,587	11,345,948

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THE HOSIERY, KNIT GOODS AND GLOVE INDUSTRY, 1923

OTHER EMPLOYMENT STATISTICS

The number of days the plants were in operation during the year 1923, together with the number of hours per day and per week normally worked by wage earners is shown in Table V(a). The number of wage earners of each sex, is given by months in Table V(b).

Table V(a) - Days in Operation and hours worked - 1923

Number of establishments in operation	153	
	Total	Average
Number of days in operation - Full time	39,813	260.3
Part time	2,818	18.4
Idle	3,881	25.4
Number of hours worked by wage earners -		
Per day or shift	1,346	8.8
Per week	7,365	48.1

Table V(b) - Wage earners employed by months - 1923

Months	Male No.	Female No.	Months	Male No.	Female No.
January	3,818	9,813	July	3,800	9,578
February	3,871	9,900	August	3,771	9,420
March	3,856	10,075	September	3,761	9,358
April	3,892	10,010	October	3,944	9,805
May	3,836	9,820	November	3,955	9,832
June	3,807	9,624	December	3,949	9,735
			Total	46,260	116,970
Average number employed during the year				3,855	9,747

MATERIALS USED

The quantity and value of the various materials used in the industry will be found in Table VI for the calendar year 1923. There was a net increase in the total value of materials used of \$1,800,679 above the amount reported for 1922. Cotton yarn takes first place in importance with a valuation of \$5,587,464, followed by woollen yarns with \$3,727,254 and worsted yarn takes third place with \$3,318,559, silk occupies fourth position with \$1,884,713 whilst raw wool ranks fifth in importance with \$1,713,312.

Table VI - Materials used in the Hosiery, Knit Goods and Glove Industry - 1923

Principal Materials	Unit of Measure	Quantity	Cost value at factory \$
Cotton, raw.....	lb.	2,407,632	621,617
Wool, raw.....	"	4,665,923	1,713,312
Yarns -			
Cotton.....	"	8,969,830	5,587,464
Woollen.....	"	3,999,924	3,727,254
Worsted.....	"	3,031,909	3,318,559
Merino (cotton mixed).....	"	739,759	776,935
Silk and cotton.....	"	29,583	206,004
Silk.....	"	234,125	1,884,713
Mercerized.....	"	287,122	294,445
Artificial silk.....	"	418,348	985,413
Other hosiery and underwear	"	54,595	105,487
Cotton waste.....	"	1,086,369	144,020
Wool waste and noils.....	"	826,628	176,993
Tops.....	"	2,330,921	1,623,601
Artificial silk tops.....	"	31,576	19,188
Shoddy, mungo and wool extract	"	818,675	161,341
Sateens and other fancy cloths	yds.	588,770	202,533
Cotton piede goods.....	"	928,523	153,896
Alpaca and camel hair.....	lb.	9,265	15,931
Webbing, (tubular).....	"	2,000	1,600
Cotton jersey.....	"	23,155	15,808
Tubing.....	"	6,422	5,142
Cloth, cotton, woollen, etc. (for gloves).....	yds.	91,870	38,400
Cloth.....	-	-	43,567

THE HOSIERY, KNIT GOODS AND GLOVE INDUSTRY, 1923MATERIALS USED (continued)Table VI - Materials Used in Hosiery, Knit Goods and Glove Industry  
1923 (continued)

	Unit of Measure	Quantity	Cost Value at Factory \$
Linings.....	-	-	7,350
Sewing silk.....	-	-	13,178
Soap.....	lb.	1,153,261	104,482
Soda.....	-	-	41,144
Dyestuffs and chemicals.....	-	-	429,759
Laces, braids and other trimmings.....	-	-	261,639
Elastic webbing and cord....	-	-	58,545
Ribbons, silks, etc.....	-	-	45,026
Thread.....	-	-	345,762
Buttons and fasteners.....	-	-	306,195
Boxes, box shooks, paper, twine, and other materials.....	-	-	907,372
All other miscellaneous materials.....	-	-	15
<b>TOTAL</b>			<b>34,344,350</b>

EQUIPMENT

The equipment installed in Hosiery and Knit Goods factories for the calendar years 1922 and 1923 will be found in Table VII.

Table VII - Equipment in Hosiery and Knitting Mills - 1922 and 1923

Classes of Equipment	1922	1923
Sets of cards .....	330	234
Mule spinning spindles.....	64,018	66,009
Frame spinning spindles.....	32,958	32,958
Doubling and twisting spindles.....	8,797	9,198
Wool combing machines.....	14	10
Sewing machines.....	5,048	5,092
Knitting machines, power.....	11,662	12,189
Knitting machines, hand.....	376	434

FUEL CONSUMPTION

The quantity and cost value of the various kinds of fuel consumed in the industry is shown in Table VIII for the calendar year 1923. The total expenditure for all fuel rose from \$513,637 in 1922 to \$552,002 in 1923 - an increase of \$38,365. Coal of all kinds was the principal fuel used and accounted for \$506,339 or 91.7% of all fuel consumed.

Table VIII - Fuel Consumption - 1923.

Kinds of fuel	Unit of	Quantity	Cost value at the factory \$
Bituminous Coal.....	ton	63,742	486,030
Anthracite coal.....	"	2,519	19,714
Lignite coal.....	"	70	595
Coke.....	"	3,544	19,831
Gasoline.....	gal.	1,184	363
Oil (fuel).....	"	23,156	2,186
Wood.....	cord	595	3,568
Gas.....	M.C.ft.	.36,533	19,616
Other fuel.....	-	-	99
<b>TOTAL</b>			<b>552,002</b>

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THE HOSIERY, KNIT GOODS AND GLOVE INDUSTRY 1923

POWER INSTALLATION

The power installed in the industry is given in Table IX for the calendar year 1923 by (a) classes of power (b) number of units in each class and (c) the horse-power capacity according to manufacturers' rating. Electricity again takes precedence over all other motive power with a total installation of 1,273 motors providing 8,321 horse power.

Table IX - Power installation in Hosiery, Knit Goods and Glove Factories, 1923.

Classes of power	Number of units	H.P. according to manufacturers' rating
Steam engines and turbines.....	35	2,980
Gas engines.....	14	922
Oil and gasoline engines.....	3	17
Hydraulic turbines or water wheels.....	23	1,819
Electric motors operated by power generated at the factory.....	274	2,296
Electric motors operated by purchased power	999	6,625
TOTAL	1,348	14,659

MISCELLANEOUS EXPENSES

Miscellaneous expenses or overhead charges incurred in the industry during the calendar year 1923 amounted to \$5,468,782, an increase of \$164,879 over the total reported for the previous year. Miscellaneous expenses include rents, taxes of all kinds, rent of power, telephone charges, insurance premiums, advertising and travelling expenses and repairs to buildings and machinery.

IMPORTS AND EXPORTS

The imports of hosiery, knit goods and fabric gloves for the calendar year 1923 are given in Table X by countries.

Table X - Imports of Hosiery, Knit Goods and Fabric Gloves 1923

	United Kingdom		United States		Other Countries	
	Quantity	Value	Quantity	Value	Quantity	Value
Yarns, knitting hosiery or other cotton dyed or not n.o.p. n.o.p. 1b.	105,341	58,943	335,628	189,533	3,631	5,685
Yarns, threads and filaments of artificial or imitation silk 1b.	230,497	534,367	91,848	176,999	135,741	281,387
Socks and stockings -						
Cotton..... doz.pr.	.27,561	94,237	504,969	908,941	12,522	12,888
Silk..... "	5,311	57,910	34,422	390,669	433	4,630
Wool..... "	675,126	2,951,373	10,812	39,292	778	5,373
Undershirts and drawers,-						
Cotton..... "	-	18,314	-	407,552	-	14,330
Silk..... "	-	5,518	-	2,254	-	3,191
Wool..... "	-	466,730	-	5,464	-	15,733
Gloves and mitts, knitted, cut from fabrics, etc.	-	726,732	-	111,204	-	482,439
Knitted Goods of wool n.o.p.	-	516,255	-	44,911	--	24,360
Knitted goods of every description, n.o.p.... -	-	484,250	-	452,742	-	109,778
Total value of imports	-	5,914,629	-	2,728,961	-	959,794

The exports of hosiery, knit goods and fabric gloves, the produce of Canada, are given in Table XI by countries for the calendar year 1923.

Table XI - Exports of Knitted Goods and fabric gloves - 1923

Articles exported	United Kingdom		United States		Other Countries	
	Value	\$	Value	\$	Value	\$
Underwear, woollen.....	1,534		2,738		51,429	
Underwear, cotton.....	102,991		213		308,203	
Gloves and mitts (textile)n.o.p.	17,230		465		53,741	
Total value of exports	121,815		3,416		293,373	

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