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CANADA
DOMINION BUREAU OF STATISTICS
CENSUS OF INDUSTRY

PRELIMINARY REPORT
on the
HOSIERY AND KNIT GOODS INDUSTRY
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DOMINION BUREAU OF STATISTICS

CENSUS OF INDUSTRY

OTTAWA, CANADA

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THE HOSIERY AND KNIT GOODS INDUSTRY, 1920.

Ottawa, April, 1922: The Dominion Bureau of Statistics presents this advance report on the Hosiery and Knit Goods Industry in Canada for the calendar year 1920. Returns were received from 127 individual plants in 1920, as compared with 114 in 1919. The factories in operation were located by provinces, as follows:-

British Columbia	4
Alberta and Saskatchewan	4
Manitoba	3
New Brunswick and Nova Scotia	4
Quebec	22
Ontario	90

PRINCIPAL STATISTICS.

The two following tables give the principal statistics relating to the industry (a) by provinces for 1920 and (b) by comparison with the year 1919. Ontario leads all the provinces with 90 factories, seventy-five per cent of the capital invested, the same percentage in the number of employees and the amounts paid in salaries and wages, nearly eighty per cent of the cost of materials and seventy-five per cent of the value of production. Quebec is next with 22 factories, and approximately sixteen per cent of the capital, employees, salaries and wages, materials and products.

(a) PRINCIPAL STATISTICS BY PROVINCES, 1920.

Provinces	No. of plts.	Capital	Employ- ees	Salaries & Wages	Cost of Materials	Value of Products
CANADA	127	40,896,419	14,062	10,395,525	31,761,536	53,532,705
Alberta & Saskatchewan	4	69,731	40	25,095	41,439	81,829
Br. Columbia	4	377,490	176	156,076	238,505	623,875
Manitoba ... New Brunswick)	3	393,265	146	190,687	477,850	793,031
Nova Scotia .)	4	3,153,092	760	556,089	1,443,859	3,005,586
Ontario	90	30,441,449	10,724	7,763,009	24,050,872	39,917,878
Quebec	22	6,461,391	2,216	1,699,569	5,509,011	9,110,506

THE HOSIERY AND KNIT GOODS INDUSTRY, 1920

PRINCIPAL STATISTICS, continued.

(b) Comparative Statistics 1919 and 1920

		1920	1919	Increase
Plants	No.	127	114	13
Capital invested	\$	40,896,419	34,149,593	6,746,826
Employees on Salaries	No.	937	777	160
Salaries	\$	1,870,727	1,390,394	480,333
Employees on Wages ..	No.	13,125	12,218	907
Wages	\$	8,524,798	7,070,345	1,454,453
Fuel cost	\$	524,020	390,872	133,148
Miscellaneous expenses	\$	55,611,054	4,362,304	1,248,750
Cost of materials	\$	31,761,536	26,548,736	5,212,800
Value of products	\$	53,532,705	45,052,002	8,480,703

PRODUCTION.

The quantity and value of the various articles manufactured during the year are given, whenever possible, in the following table. Hosiery lines show greatest production with 2,805,859 dozen pairs, with a selling value at the factory of \$16,697,421; underwear, separate, with 1,532,283 dozen and selling value of \$13,663,982 is next; sweaters, cardigan jackets and fancy vests are third with 255,290 dozen and value of \$9,650,342, and underwear, combination, with 277,790 dozen and value of \$5,551,911 is fourth. These four items account for \$45,563,656, or 85 per cent of the total value of production.

Classes of Products	Unit of Measure	Quantity	Selling value at factory
Hosiery -			
Woolen and worsted	doz.	690,557	4,566,233
Merino or mixed	"	407,683	2,765,749
Cotton	"	1,326,918	4,714,749
Silk or silk mixed	"	380,701	4,650,690
Underwear, combination -			
Merino or mixed	doz.	53,686	1,796,208
All wool	"	18,880	850,918
All cotton	"	180,224	2,773,785
Silk or silk mixed	"	2,500	131,000
Underwear, separate -			
Merino or mixed	doz.	269,544	4,125,061
All wool	"	77,029	1,891,702
All cotton	"	1,185,710	7,647,219
Wool or worsted yarns made for sale ...	lbs.	1,295,659	2,392,095
Cotton and merino or mixed yarns for sale	"	374,339	259,921
Sweaters, cardigan jackets, fancy vests, etc.	doz.	250,585	9,650,342
Hoods, scarfs, rubias, caps and tiques ...	"	92,115	1,027,198
Gloves and mittens	"	164,719	1,543,900
Leggings and gaiters	"	11,852	208,959
Fancy knit goods, booties, hoods & jackets	"	26,251	247,401
Flannels and sheetings	sq. yds.	45,000	117,000
Boot & shoe linings and felts	" "	247,942	352,821
Jersey cloths and stockinette	" "	285,848	231,849
All other miscellaneous products	-	-	1,325,132
Amount received for custom and contract work	-	-	262,773
TOTAL VALUE OF PRODUCTS			53,532,705

THE HOSIERY AND KNIT GOODS INDUSTRY, 1920.

CAPITAL INVESTMENT.

The amount of capital invested in the industry is presented by items in the following table for the provinces and the Dominion:-

Provinces	Land, build- ings and fixtures	Machinery and tools	Materials on hand, stocks in process, etc.	Cash, trad- ing, and operating accts, etc.	Total Capital
	\$	\$	\$	\$	\$
Ontario	5,431,676	7,817,876	10,854,263	6,337,634	30,441,449
Quebec	1,293,331	1,118,035	2,318,629	1,731,396	6,461,391
Nova Scotia & New Brunswick .	698,367	865,488	497,426	1,091,811	3,153,092
Manitoba	91,845	35,823	226,779	38,819	393,266
Alberta and Saskatchewan)	13,721	14,469	22,729	18,812	69,731
Br. Columbia ..	57,838	95,499	180,132	44,021	377,490
CANADA TOTALS	7,586,778	9,947,190	14,099,958	9,262,493	40,896,419

In comparison with the capital invested in the industry in 1919, there was an increase of \$500,679 in the item of land, buildings and fixtures; of \$2,196,927 in machinery and tools; of \$1,420,755 in materials and stocks on hand, and in cash, trading and operating accounts of \$2,628,465, the total capital showing an increase of \$6,746,826.

EMPLOYEES, SALARIES AND WAGES.

The number of employees distinguished by sex, and the payments made for salaries and wages are shown in the two tables following (a) by provinces and (b) by classes of employment for the calendar year 1920.

(a) Employees, Salaries and Wages by Provinces.

Provinces	Employees on Salaries			Employees on Wages		
	Male	Female	Salaries	Male	Female	Wages
			\$			\$
CANADA	624	313	1,870,727	3,678	9,447	8,524,798
Ontario	415	257	1,344,912	2,604	7,388	6,423,097
Quebec	112	28	298,173	728	1,348	1,401,396
Nova Scotia and New Brunswick)	32	13	84,179	204	512	471,910
Manitoba	39	8	94,127	29	70	96,560
Alberta and Saskatchewan)	13	1	12,695	11	14	12,400
British Columbia ..	13	6	36,641	42	115	119,435

(b) Classes of Employment.

Classes of Employment	Number of Employees		Salaries & Wages
	Male	Female	
Officers, superintendents, managers Clerks, stenographers, and other salaried employees	296	13	1,040,670
Wage earners, average yearly number Outside piece-workers	3,674	8,589	8,433,186
	4	853	91,612
TOTALS	4,302	9,760	10,395,525

THE HOSIERY AND KNIT GOODS INDUSTRY, 1920.

EMPLOYEES, SALARIES AND WAGES, continued.

A further classification of employees according to age and sex within specified groups of weekly earnings, as on December 15th, is presented below:-

Specified groups of weekly wages	Over 16 yrs.		Under 16 yrs.		Total Employees
	Male	Female	Male	Female	
	No.	No.	No.	No.	No.
Under \$5 per week	9	107	4	14	134
\$5 but under \$10 per week	150	1,506	69	248	1,973
\$10 " " \$15 " "	492	3,519	73	155	4,539
\$15 " " \$20 " "	805	1,884	18	26	2,733
\$20 " " \$24 " "	578	345	1	2	926
\$24 " " \$28 " "	464	63	-	-	527
\$28 " " \$30 " "	115	14	-	-	129
\$30 per week and over	494	10	-	-	504
TOTALS	3,107	7,748	165	445	11,465

OTHER LABOUR STATISTICS.

Statistics of time in operation during the year and of hours worked per day and per week are given by provinces in the accompanying table:-

Provinces	No. of plants	Days in operation			Hours worked		Averages of		
		On full time	On part time	Idle	Per day	Per week	days in opern.	hours per dy.	hours per wk.
Canada	127	34,842	1,386	2,380	2,116	6,189	285.26	8.78	48.75
Alberta &) Saskatchewan)	4	748	-	463	34	192	187.00	8.50	48.00
Br. Columbia	4	1,202	-	14	34	181	300.50	8.50	45.25
Manitoba ...	3	900	12	-	24	132	304.00	8.00	44.00
New Brunswick & Nova Scotia	4	1,016	121	79	38	216	284.25	9.50	54.00
Ontario	90	25,289	1,052	1,019	791	4,336	292.68	8.79	48.31
Quebec	22	5,387	201	300	195	1,072	267.64	8.86	48.75

MATERIALS USED.

The quantity and the cost value delivered at the factory of all materials used during the year are itemized in the accompanying table:-

Items	Unit of Measure	Quantity	Cost value at factory
			\$
Cotton, raw	lbs.	4,999,554	2,413,732
Wool, raw	"	2,568,673	1,943,818
Silk, raw	-	-	297,755
Yarn, cotton	lbs.	8,378,829	7,427,224
Yarn, woollen	"	3,264,376	3,310,107
Yarn, worsted	"	2,985,747	6,122,900
Yarn, merino (cotton mixed)	"	838,555	1,298,030
Yarn, silk	"	246,839	2,127,563
Yarn, artificial silk	"	40,000	220,000
Yarn, other hosiery & underwear	"	91,638	113,701
Cotton waste	"	1,243,055	322,765
Wool waste and noils	"	636,331	392,993
Tops	"	1,392,076	2,173,614
Shoddy, mungo & wool extract	"	828,819	167,535
Sateens and other fancy cloths	yards	749,361	291,888
Cotton piece goods	"	843,238	284,189
Soap	lbs.	1,575,511	169,395
All other miscellaneous materials ..	-	-	2,654,267
TOTAL COST OF MATERIALS			\$31,761,536

THE HOSIERY AND KNIT GOODS INDUSTRY, 1920.EQUIPMENT.

The equipment of the various mills is tabulated in the following statement:-

	No.	
Sets of cards	220	
Mule spinning spindles	54,435	
Frame " "	31,660	
Doubling and twisting spindles ..	2,817	
Silk throwing spindles	180	
Wool combing machines	4	
Scapers	10	
Sewing machines	3,996	
Knitting machines, power -	Spring Needle	Latch Needle
Flat, ribbed	60	381
Flat, plain	136	272
Full fashioned, flat ribbed	2	80
Full fashioned, flat plain	233	350
Circular, ribbed	92	3,272
Circular, plain	649	1,203
Circular, hosiery automatic	66	2,121
All other	56	733
Knitting machines, hand -		
Lamb	33	174
Other	54	5,117
TOTAL KNITTING MACHINES	1,381	14,008

MISCELLANEOUS EXPENSES.

The cost of miscellaneous or over head charges for the year 1920 are shown below by items:-

Rent of offices, works and machinery	\$	128,163
Rent of power		134,998
Insurance (premiums for year, only)		206,330
Taxes, municipal, provincial, Federal		806,489
Legalities, use of patents, etc.		15,755
Advertising expenses		345,603
Travelling expenses		335,350
Repairs to buildings and machinery		631,005
All other sundry expenses		3,009,761
TOTAL MISCELLANEOUS EXPENSES	\$	5,612,054

THE HOSIERY AND KNIT GOODS INDUSTRY, 1920.

FUEL CONSUMPTION.

The cost of the fuel consumed in the industry, delivered at the factory is shown by classes and origin in the following table:-

Classes of fuel	Unit of Measure	Canadian origin		Foreign Origin	
		Quan.	Cost Val.	Quan.	Cost Val.
Coal, bituminous	ton	3,559	\$ 27,607	48,307	\$ 436,204
Coal, anthracite	"	-	-	1,952	23,568
Coke	"	3,649	17,441	-	-
Gasoline	gal.	1,838	744	-	-
Oil, fuel	"	11,200	1,650	-	-
Wood	ods.	491	3,824	-	-
Gas, artificial & natural .	m.c.ft.	31,445	12,541	-	-
Other fuel, not specified .	-	-	401	-	-
TOTAL FUEL COST			64,208		459,772

POWER EMPLOYED.

The different kinds of power employed in the industry are shown by (a) the number of units of each class, (b) their horsepower according to manufacturers' rating and (c) the horsepower actually employed:-

Kinds of Power	Number of Units	H. P. according to mfrs. rating	H. P. actually employed
Boilers	85	8,399	6,512
Kinds of power -			
Steam, engines	25	1,840	1,306
Gas engines.....	5	287	272
Gasoline engines	1	4	3
Water wheels and motors ...	24	2,080	1,345
Electric motors	780	6,728	5,840
Other power, not specified	7	115	115
TOTALS	842	11,054	9,881

THE HOSIERY AND KNIT GOODS INDUSTRY, 1920.IMPORTS.

The quantity and value of goods imported into Canada during the calendar year 1920, whether in the raw, partly manufactured or wholly manufactured condition are presented in the following table. It is impossible to say how much of the total of raw and partly manufactured materials were required for the hosiery and knitting mill industry, as distinct from the woolen and cotton mill industries.

Articles imported	Unit of Measure	Quantity	Value \$
Raw materials -			
Cotton	pounds	115,045,757	41,320,266
Silk	"	339,887	3,311,166
Wool	"	12,259,653	7,668,793
Wool noils and tops	"	-	7,431,513
Wool waste	-	782,996	567,286
Partly manufactured materials -			
Yarn, cotton, knitting & hosiery	pounds	1,388,320	1,349,976
Yarn, silk, spun	"	45,421	393,485
Yarn, woolen	"	3,304,363	7,535,145
Yarn, woolen & worsted, n.o.p. ..	"	416,637	1,056,889
Yarn, artificial or imitation silk	"	548,446	2,293,607
Manufactured products -			
Cotton socks and stockings	doz. prs.	443,974	1,421,891
Silk socks and stockings	" "	49,230	659,477
Woolen socks and stockings	" "	394,966	3,173,745
Cotton undershirts & drawers	-	-	538,911
Silk undershirts & drawers	-	-	12,644
Woolen undershirts and drawers ..	-	-	543,824

EXPORTS.

The Customs classification of goods exported from Canada does not permit of any differentiation between those which are woven and those knitted, and figures relating to exports have been omitted from the report.

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