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CENSUS OF INDUSTRY

ADVANCE REPORT

on the

WOOLEN TEXTILE INDUSTRY

1920

INCLUDING -

Woolen Goods

Woolen Yarns

Wool Felts

----- + + + -----

Published by Authority of the Hon. J. A. Robb, M. P.,

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DOMINION BUREAU OF STATISTICS
CENSUS OF INDUSTRY
OTTAWA, CANADA

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THE WOOLEN TEXTILE INDUSTRY, 1920.

Ottawa, April, 1922 - The Dominion Bureau of Statistics presents an advance report on the Woolen Textile Industry in Canada for the calendar year 1920, covering the operations of 94 individual establishments, classified under three heads: (1) Woolen Goods, (2) Woolen Yarns, and (3) Wool Felts. A table showing the location of the various plants by classes and provinces for the calendar years 1919 and 1920 is appended:-

Classes of Plants	1919					1920				
	Ont.	Que.	N.B.	N.S.	Canada	Ont.	Que.	N.B.	N.S.	Canada
Woolen goods	56	12	3	6	77	49	10	3	4	66
Woolen yarns	6	1	3	-	10	10	2	3	1	16
Wool felts	3	-	-	-	3	6	6	-	-	12
TOTALS	65	13	6	6	90	65	18	6	5	94

PRINCIPAL STATISTICS, 1920.

The following table presents the principal preliminary statistics of the Woolen Textile Industry under the three classifications for the calendar year 1920:-

Statistics		Woolen Goods	Woolen Yarns	Wool Felts
Establishments	No.	66	16	12
Capital investment	\$	22,783,128	6,428,991	3,573,100
Employees on salaries ...	No.	299	51	94
Salaries paid	\$	782,213	109,095	163,980
Employees on wages	No.	5,305	1,209	438
Wages paid	\$	4,625,302	959,063	371,710
Freight costs	\$	532,650	159,837	72,041
Miscellaneous expenses ..	\$	3,456,721	1,029,755	457,383
Cost of materials	\$	14,720,413	5,398,098	1,960,619
Value of products	\$	28,018,565	9,153,210	3,516,692

THE WOOLEN TEXTILE INDUSTRY, 1920.CAPITAL INVESTMENT.

The amount of capital invested in each of the several industries included under the classification of "Woolen Textiles" is shown by items and provinces in the following series of tables:-

Provinces	Land, buildings and fixtures	Machinery and tools	Materials on hand, stocks in process, etc.	Cash, trading and operating accts. etc.	Total Capital
<u>Woolen goods-</u>					
Ontario	3,895,784	4,998,929	5,051,309	5,386,473	19,332,49
Quebec	288,525	401,485	710,376	299,564	1,699,94
Nova Scotia.	84,994	94,669	174,879	748,397	1,152,93
New Brunswick	143,710	186,393	227,881	39,760	597,74
CANADA	4,413,013	5,681,476	6,164,445	6,524,194	22,783,12
<u>Woolen yarns-</u>					
Ontario	841,728	1,312,048	1,233,389	1,270,946	4,658,11
New Brunswick	8,500	13,000	6,300	3,800	31,600
Quebec and Nova Scotia)	377,035	472,719	508,688	380,838	1,739,280
CANADA	1,227,263	1,797,767	1,748,377	1,655,584	6,428,991
<u>Wool felts -</u>					
Ontario	263,520	888,562	532,744	145,035	1,829,861
Quebec	605,899	328,877	483,973	324,490	1,743,239
CANADA	869,419	1,217,439	1,016,717	469,525	3,573,100

EMPLOYEES, SALARIES AND WAGES.

Statistics of employment by sex and salary and wage payments are shown for each of the industries included under this head for the calendar year 1920 in the accompanying table:-

Classes of Employment	No. of Employees		Salaries & Wages
	Male	Female	
<u>Woolen goods -</u>			\$
Officers, superintendents & managers	133	2	526,490
Clerks, stenographers and other salaries employees	89	75	255,715
Wage earners, average number	2,777	2,458	4,604,483
Outside pieceworkers	11	59	20,819
TOTALS	3,010	2,594	5,407,515
<u>Woolen yarns -</u>			
Officers, superintendents & managers	17	1	57,889
Clerks, stenographers, etc.....	13	20	51,206
Wage earners, average number	581	628	959,063
TOTALS	611	649	1,068,158
<u>Wool felts -</u>			
Officers, superintendents & managers	36	1	102,655
Clerks, stenographers, etc.....	23	34	61,325
Wage earners, average number	277	157	371,533
Outside pieceworkers	-	4	177
TOTALS	336	196	535,690
<u>Grand Totals for 3 Sections -</u>			
Officers, superintendents & managers	186	4	687,042
Clerks, stenographers, etc.....	125	129	368,246
Wage earners, average number	3,635	3,243	5,935,079
Outside pieceworkers	11	63	20,996
GRAND TOTALS	3,957	3,439	7,011,363

THE WOOLEN TEXTILE INDUSTRY, 1920.

MATERIALS USED.

The quantity and cost value delivered at the mill, factory or works of the various materials used in the several sections comprised in this report are shown in the accompanying table for the calendar year 1920.

Classes of Materials	Unit of measure	Quantity	Cost value at factory \$
<u>Woolen Goods</u> -			
Wool, any condition	pounds	11,386,576	7,693,871
Animal hair	"	259,738	120,801
Tailors clippings, rags, etc.....	"	2,113,074	445,858
Cotton, raw	"	919,133	355,164
Shoddy, mungo and wool extract ...	"	2,370,084	929,534
Wool waste and noils	"	799,829	423,227
Cotton waste	"	389,853	197,773
Tops	"	945,903	883,262
Woolen yarns, purchased	"	69,357	73,226
Worsted yarns,	"	363,379	705,755
Merino yarns	"	145,724	121,410
Cotton yarns	"	701,785	659,510
Silk yarns	"	3,802	41,436
Other yarns	"	76,182	22,165
Chemicals and dyestuffs (value only)	-	-	899,167
All other materials (value only).	-	-	1,160,234
TOTAL COST OF MATERIALS			14,720,413
<u>Woolen Yarns</u> -			
Wool, any condition	pounds	1,080,107	783,354
Animal hair	"	25	45
Tailors clippings, rags, etc.....	"	295,260	115,151
Cotton, raw	"	1,158,490	502,850
Shoddy, mungo and wool extract ..	"	573,146	154,984
Wool waste and noils	"	260,308	130,620
Cotton waste	"	235,000	57,883
Tops	"	2,235,693	2,714,875
Worsted yarns purchased	"	239,634	267,809
Cotton yarns	"	138,691	77,814
Chemicals and dyestuffs (value only)	-	-	296,644
All other materials (value only).	-	-	296,069
TOTAL COST OF MATERIALS			5,398,098
<u>Wool Felts</u> -			
Wool, any condition	pounds	1,709,778	1,277,069
Animal hair	"	455,000	24,539
Tailors clippings, rags, etc.....	"	32,000	3,100
Cotton, raw	"	157,782	35,151
Shoddy, mungo and wool extract ...	"	280,287	94,786
Wool waste and noils	"	258,480	51,800
Cotton waste	"	55,000	10,125
Cotton yarns	"	11,270	6,277
Other felts	"	140,445	193,757
Chemicals and dyestuffs (value only)	-	-	74,461
All other materials (value only)	-	-	189,534
TOTAL COST OF MATERIALS			1,960,619

THE WOOLEN TEXTILE INDUSTRY, 1920.

FUEL CONSUMPTION.

The quantities and the cost value delivered at the mill or factory of the various classes of fuel consumed by each section of the industry are shown by origin in the following table:-

Classes of fuel	Unit of measure	Canadian Origin		Foreign Origin	
		Quantity	Cost Value	Quan.	Cost Value
<u>Woolen Goods -</u>					
Bituminous coal	Tons	5,296	36,281	43,417	446,661
Anthracite coal	"	-	-	3,055	31,529
Lignite coal ..	"	-	-	10	180
Coke	"	30	304	-	-
Gasoline	gals.	880	367	-	-
Oil, fuel	"	6,653	1,216	-	-
Wood	cds.	2,242	9,213	-	-
Gas, artificial and natural ..	m.c.ft.	17,842	6,155	-	-
All other fuel	-	-	-	-	244
<u>TOTAL COST OF FUEL</u>			54,036		478,614
<u>Woolen Yarns -</u>					
Bituminous coal	Tons	20	320	12,264	335,513
Anthracite coal	"	-	-	1,116	15,713
Lignite coal ..	"	-	-	665	6,626
Wood	cds.	460	1,607	-	-
Gas, artificial and natural ..	m.c.ft.	200	58	-	-
<u>TOTAL COST OF FUEL</u>			1,935		157,852
<u>Wool Felts -</u>					
Bituminous coal	Tons	45	585	6,611	70,595
Anthracite coal	"	-	-	57	861
<u>TOTAL COST OF FUEL</u>			585		71,456
<u>Grand Totals for 3 Industries -</u>					
Bituminous coal	Tons	5,361	37,186	60,292	652,769
Anthracite coal	"	-	-	4,238	48,103
Lignite coal ..	"	-	-	675	6,806
Coke	"	30	304	-	-
Gasoline	gals.	880	367	-	-
Oil, fuel	"	6,653	1,216	-	-
Wood	cds.	2,702	11,320	-	-
Gas, artificial and natural ..	m.c.ft.	18,042	6,213	-	-
All other fuel..	-	-	-	-	244
<u>GRAND TOTAL COST OF FUEL</u>			56,606		707,922

THE WOOLLEN TEXTILE INDUSTRY, 1920.

POWER STATISTICS.

The number of units of each class of power is shown in the subjoined table by horsepower according to manufacturer's rating and the horsepower actually employed. Similar statistics are also given for boilers, but they are not included in the totals of power.

Classes of power.	Woolen Goods			Woolen Yarns			Wool Felts		
	No. of units	H.P. accord'g to mfrs. rating	H.P. actually employed	No. of units	H.P. accord'g to mfrs. rating	H.P. actually employed	No. of units	H.P. accord'g to mfrs. rating	H.P. actually employed
<u>Power owned -</u>									
Boilers	76	7,771	6,490	23	2,677	2,402	10	1,035	765
Engines, steam ...	19	2,385	2,050	7	1,515	1,210	2	75	60
gas	1	75	75	1	15	10	-	-	-
gasoline	1	8	8	1	4	4	-	-	-
Water wheels	40	2,502	2,086	12	1,029	841	3	711	300
Other powers	1	50	50	-	-	-	-	-	-
Electric motors ..	63	1,307	1,067	42	413	313	-	-	-
<u>Power Rented -</u>									
Electric motors ..	203	4,929	4,332	102	1,474	1,272	109	1,059	951
Other powers	-	-	-	1	33	16	-	-	-
TOTALS	328	11,256	9,668	166	4,436	3,675	114	1,845	1,511

THE WOOLEN TEXTILE INDUSTRY, 1920.MISCELLANEOUS EXPENSES.

The charge for miscellaneous or overhead expenses is shown by items for each of the sections of the industry in the summary table below:-

Items of Expenses	Woolen Goods	Woolen Yarns	Wool Felts
Rent of offices, works & machinery	127,353	3,360	76,900
Rent of power	220,075	23,103	16,268
Insurance (premiums for year only)	768,272	27,115	13,347
Taxes, municipal, provincial, federal	547,657	112,277	50,336
Royalties, use of patents, etc....	21,751	1,626	1,924
Advertising expenses	149,690	14,856	4,668
Travelling expenses	172,276	16,239	56,134
Repairs to buildings & machinery ..	628,949	154,120	112,130
All other sundry expenses	1,527,667	676,908	189,676
TOTALS, MISCELLANEOUS EXPENSES	3,456,721	1,029,755	457,383

EQUIPMENT IN TEXTILE MILLS.

The equipment in the various classes of textile mills is shown in the accompanying table for each class for the calendar year 1920:-

Kinds of equipment	Woolen Goods	Woolen Yarns	Wool Felts
Sets of cards	No. 301	74	27
Average width of same :. Inches	50 "	49	70
Cylinders to each set of cards Av. No. 2 to 3		5	1 to 2
Spindles -			
Mule spinning spindles	No. 91,444	19,130	1,220
Frame " "	No. 12,527	17,136	-
Doubling & twisting spindles	No. 10,868	7,403	-
Broad Looms (50 inches or over reed space)	No. 1,661	63	22
Narrow Looms (under 50 inches reed space)	No. 176	70	-
Hand Looms	No. 2	-	-
Wool combing machines	No. 20	2	-
Pickers	No. 104	20	7
Garnet machines	No. 22	1	1
Formers for fur hats	No. 124	-	-

THE WOOLEN TEXTILE INDUSTRY, 1920.

IMPORTS AND EXPORTS.

The succeeding tables show the quantity and value of (a) the imports for consumption and (b) the exports of goods, the produce of Canada, for the calendar year 1920. As has already been stated in the report on the "Hosiery and Knit Goods Industry" it is impossible to say just how much of the imported raw and partly manufactured materials may be allocated to any one of the industries using them, therefore, the totals of quantities and values of such imports are repeated for each industry.

(a) IMPORTS

	Unit of Measure	Quantity	Value
Raw Materials -	-	-	\$ 60,298,964
Cotton	pounds	115,045,757	41,320,206
Silk	"	339,887	3,311,166
Wool	"	12,259,653	7,668,793
Wool, noils and tops	-	-	7,431,513
Wool waste	pounds	782,996	567,286
Partly Manufactured Materials -	-	-	\$ 9,992,010
Yarn, cotton, etc.	pounds	1,388,320	1,342,976
Yarn, woolen	"	3,304,353	7,582,145
Yarn, woollen & worsted,n.o.p.	"	416,637	1,056,889
Manufactured Products -	-	-	\$ 51,883,014
Fabrics of wool and cotton, such as lustres, etc.....	yards	2,452,010	2,254,511
Flannels, plain and fancy..	"	979,198	575,821
Overcoatings	"	93,302	266,523
Tweed	"	3,879,879	7,823,611
Dress goods,women's & children's sq.yds.		6,079,497	7,787,546
Worsted and serges including -			
coatings	yds.	8,251,561	21,385,240
Other fabrics made of wool, worsted, etc.....	-	-	5,762,725
Blankets of pure wool	pair	36,641	414,824
Blankets of wool, n.o.p.....	"	24,063	177,929
Shawls, wool	-	-	219,857
Skirts, wool	Doz.	1,348	40,597
Felt cloth	yds.	51,117	170,755
Felt, pressed of all kinds ..	lbs.	3,669,410	955,539
Bed comforters	No.	544	3,752
Clothing, ready-made, of cotton or wool (value only)	-	-	2,046,113
Clothing,women's and children's outside garments (value only)	-	-	1,752,992
Rugs,steamer,travelling and railway (value only)	-	-	242,933
TOTAL VALUE OF IMPORTS			\$122,173,989

(b) EXPORTS

Articles	Unit of Measure	Quantity	Value
Raw Materials -	-	-	\$
Wool	pounds	6,289,101	2,443,527
Manufactured products -			
Clothing, wool,knitted ...	-	-	1,132,369
Clothing, wool, n.o.p....	-	-	3,363,283
Woollen, n.o.p.....	-	-	4,347,024
TOTAL EXPORTS, WOOL AND ITS PRODUCTS			\$11,291,213

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