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REPORT  
on the  
WOOLLEN TEXTILE INDUSTRY  
in  
CANADA  
1930

INCLUDING-

1. Woollen Cloths
2. Woollen Yarns
3. Carpets, Mats and Rugs
4. Woollen Goods, n.e.s.

+ + +

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DEPARTMENT OF TRADE AND COMMERCE

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THE WOOLLEN TEXTILE INDUSTRY IN CANADA, 1930.

The wool industry in Canada is divided into four sections, (1) Woollen cloth, (2) Woollen yarns, (3) Carpets, mats and rugs, and (4) a section which consists of felts, blankets, robes (carriage and other); shoddy, wool extract, batts, flocks, rolls, pulled wool, etc.

In 1930, 116 plants were in operation located as follows: Ontario 79, Quebec 16, New Brunswick 8, Nova Scotia 6, British Columbia and the three Prairie Provinces 7. This was a decrease of three from the number operating in 1929, Ontario, Quebec and Nova Scotia each having a plant discontinue its operations.

This industry includes a total capital investment of \$42,481,432 in land, buildings, equipment, inventories and other assets. Value of production amounted to \$27,497,530 in 1930.

The establishments included 46 woollen cloth mills, with capital investment of \$20,202,796. Gross value of products amounted to \$12,347,672. Cost of materials totalled \$6,603,930 and the value added by manufacture was \$5,743,742.

There were 26 woollen yarn mills with a capital investment of \$7,174,100. The gross value of products amounted to \$5,089,204. Materials used totalled \$2,924,001, and the value added by manufacture was \$2,165,203.

Carpets, mats and rugs with 19 establishments, and a capitalization of \$6,628,481, manufactured \$4,801,066 worth of products from materials valued at \$1,955,945. The value added by manufacture in this case was \$2,845,121.

There were 25 Other woollen goods establishments with a combined capitalization of \$8,476,055. Their gross production was \$5,259,588, obtained from materials valued at \$2,597,953. The value added by manufacture was \$2,661,635.

The 116 establishments in this industry provided employment for 7,710 persons, who received \$6,812,507 in salaries and wages.

Owing to the general business depression prevailing, the year 1930 proved a most disappointing one in the wool industry. During the first eight months of the year, operations of Canadian mills were considerably below the normal of preceding years for the same period. The depressed state of the wool industry in Great Britain and other European countries caused the most intense price competition for Canadian business that the local industry has ever experienced. As a result, total employment dropped from 8,404 in 1929 to 7,710 in 1930, salaries and wages from \$7,847,801 to \$6,812,507, and value of production from \$35,179,599 to \$27,497,530.

A very great handicap to Canadian manufactures is the fact that wages paid in European mills are very much lower than those paid by them. Then too, mass production, coupled by the operating of mills at night, mitigate against the Canadian mills, which work approximately only forty-eight to fifty-four hours per week. These circumstances permit foreign goods to be placed on the Canadian market at figures that the Canadian mills cannot compete with.

Canadian plants have maintained their physical condition remarkably well during the last few years. In fact their continual operation under the unfavourable existing conditions has been due in a large measure, to the efficiency of their equipment and their methods of manufacturing and merchandising. All out of date and obsolete machinery is being rapidly replaced in every department with the most modern available and they are now in a position to produce merchandise not only equal, but in very many cases superior to that which is imported.



THE WOOLLEN TEXTILE INDUSTRY IN CANADA, 1930.

A very important development which took place in the woollen industry in 1930 was the interest displayed by the British Manufacturer in the establishment of branch plants in Canada. Several of these have been installed and are now in operation.

Total wool production in Canada for 1930 amounted to 21,016,000 pounds, an increase of approximately 727,000 pounds over 1929. In value however, it is estimated at only \$2,500,000, as against a value of \$4,000,000 for 1929.

The National Research Council commenced experimenting with wool in 1929, and their work in this direction is now well under way. Some very interesting conclusions are expected to result, and to be announced in the near future.

Both Exports and Imports of wool and its products showed decided decreases in 1930. In 1929 Exports amounted to \$2,135,082 while in 1930 the total was only \$1,120,122. Imports totalled \$50,129,346 in 1929 while in 1930 they only amounted to \$39,345,915. Detailed statistics of Imports and Exports showing the Country of importation, quantity and value will be found in tables 4 and 5.

The following table shows the location by provinces of the number of establishments in each section. Woollen cloth mills increased since last report by 2, woollen yarn mills decreased by 1, carpets, mats and rugs decreased by three, and woollen textile mills, n.e.s. decreased by 1.

Table 1.- Location of Mills, 1930.

	Woollen cloth mills	Woollen yarn mills	Carpets, mats and rugs	Woollen goods, n.e.s. /	All Woollen textile mills
CANADA	46	26	19	25	116
Nova Scotia	1	3	1	1	6
New Brunswick	1	5	1	1	8
Quebec	11	1	-	4	16
Ontario	32	15	14	18	79
Western Provinces and British Columbia	1	2	3	1	7

/ Woollen goods, n.e.s. includes - wool felts, wool pulled, etc., wool stock (shoddy) wool waste and noils, etc.



THE WOOLLEN TEXTILE INDUSTRY IN CANADA, 1930.

Table 2.- Principal Statistics of the Woollen Textile Group of Industries, 1922-1930.

Year	No. of Establishments	Capital invested	Total employees	Total salaries and wages	Cost of materials used	Selling value of Products	Value added by manufacture
1922	137	\$36,932,382	No. 8,052	\$7,190,544	\$13,859,979	\$29,062,751	\$15,202,772
1923	141	43,148,118	8,890	8,054,749	17,677,281	33,472,087	15,794,806
1924	126	45,124,528	8,164	7,097,261	17,325,209	30,175,136	12,849,927
1925	119	42,315,208	7,800	6,911,970	18,776,667	31,250,200	12,473,533
1926	116	41,184,601	8,019	6,939,144	17,204,586	31,401,222	14,196,636
1927	114	42,032,864	7,958	7,128,274	17,079,628	31,212,842	14,133,214
1928	120	41,533,322	8,247	7,684,079	19,925,850	34,687,290	14,761,440
1929	119	42,843,217	8,404	7,847,801	19,102,324	35,179,599	16,077,275
1930	116	42,481,432	7,710	6,812,507	14,081,829	27,497,530	13,415,701

A summary table showing the principal statistics of each of the four sections comprising the woollen textile industry and a total for all sections is presented herewith for the calendar year 1930 for the Dominion as a whole.

Table 3.- Summary of Woollen Textile Industry, by Sections - 1930.

Principal Statistics		Woollen cloth	Woollen yarns	Carpets, mats and rugs	Woollen goods, n.e.s.	Total Woollen Textile Industries
Establishments	No.	46	26	19	25	116
Capital invested	\$	20,202,796	7,174,100	6,628,481	8,476,055	42,481,432
Employees on salaries -						
Male	No.	249	37	158	76	520
Female	No.	66	22	44	22	154
Salaries	\$	724,439	123,021	442,024	234,306	1,523,790
Employees on wages -						
Average of -						
Male	No.	2,008	677	601	746	4,032
Female	No.	1,552	832	367	253	3,004
Wages	\$	2,681,823	940,175	850,695	816,024	5,288,717
Outside piece-workers-						
Male	No.	-	-	-	-	-
Female	No.	43	-	-	4	47
Amount paid	\$	2,636	-	-	349	2,985
Cost of fuel and electricity	\$	335,858	117,973	79,871	98,622	632,324
Power employed -						
Units	No.	1,297	241	411	463	2,412
Capacity	H.P.	12,228	4,199	3,504	8,553	28,484
Cost of materials	\$	6,603,930	2,924,001	1,955,945	2,597,953	14,081,829
Value of Products	\$	12,347,672	5,089,204	4,801,066	5,259,588	27,497,530
Value added by manufacture	\$	5,743,742	2,165,203	2,845,121	2,661,635	13,415,701



# THE WOOLLEN TEXTILE INDUSTRY IN CANADA, 1930.

The quantity and value of the imports of wool and its manufactures are presented in Table 4, by principal countries for the calendar year 1930. The total value of all imports imported for consumption during the year amounted to \$39,345,915, of which raw materials represented \$6,006,817, partly manufactured goods \$5,408,460, and finished products \$27,930,638.

Table 4.- Imports of Wool and its Manufactures by Principal Countries,  
1930.

Articles		Quantity	Value
Raw materials -			
Wool in the grease			
United Kingdom	Pounds	564,762	147,560
United States	"	434,662	108,117
Belgium	"	1,944	690
Denmark	"	1,215	340
British South Africa	"	18,655	4,712
Australia	"	207,160	44,581
New Zealand	"	1,244,665	323,968
Uruguay	"	28,698	5,906
Total	"	2,501,761	635,874
Wool, washed or scoured, etc. n.o.p.			
United Kingdom	Pounds	2,630,610	1,039,315
United States	"	1,239,587	406,822
Argentina	"	118,472	32,353
Austria	"	16,960	9,040
Belgium	"	83,526	42,529
France	"	48,277	19,349
British East Africa	"	14,438	7,508
British South Africa	"	307,390	97,737
Australia	"	314,473	167,986
New Zealand	"	265,186	71,027
Syria	"	15,680	4,077
Total	"	5,054,599	1,897,743
Wool, pulled or slipped			
United Kingdom	Pounds	489,523	160,250
United States	"	256,941	81,300
British South Africa	"	8,389	2,552
New Zealand	"	71,413	18,774
Other Countries	"	5,551	1,692
Total	"	831,817	264,568
Hair of the camel, alpaca, etc. not further prepared than combed -			
United Kingdom	Pounds	612,500	236,447
United States	"	427,337	148,887
Australia	"	13,360	5,526
New Zealand	"	11,690	3,922
Other Countries	"	5,934	1,616
Total	"	1,070,821	396,398
Noils -			
United Kingdom	Pounds	154,608	52,425
United States	"	56,176	10,806
Total	"	210,784	63,231



THE WOOLLEN TEXTILE INDUSTRY IN CANADA, 1930.

Imports of Wool and its Manufactures by Principal Countries, 1930, Continued.

Articles		Quantity	Value
Raw materials - Concluded.			
Worsted tops -			
United Kingdom	Pounds	5,089,578	2,344,719
United States	"	26,976	13,033
France	"	111,293	73,169
Australia	"	352,559	293,374
Total	"	5,580,406	2,724,295
Garnetted wool waste in the white, etc.			
United Kingdom	Pounds	83,599	24,453
United States	"	448	255
Total	"	84,047	24,708
Partly manufactured materials -			
Yarns composed wholly or in part of wool, etc. not containing silk, etc. (9 months).			
United Kingdom	Pounds	120,924	178,450
United States	"	1,283	2,278
Germany	"	9,085	9,848
Other Countries	"	1,101	2,422
Total	"	132,393	192,998
Yarns and warps composed wholly or in part of wool, etc. imported by manufacturers, etc.			
United Kingdom	Pounds	1,845,811	1,326,243
United States	"	50,780	40,352
Italy	"	21,857	7,524
France	"	8,084	11,384
Other Countries	"	1,775	1,584
Total	"	1,928,307	1,387,087
Yarns and warps composed wholly or in part of wool, etc. imported for the weaving of woollen and worsted fabrics, but not including carpets, or rugs, (9 months).			
United Kingdom	Pounds	2,497,308	2,283,072
United States	"	138,055	146,167
France	"	34,390	25,657
Belgium	"	4,312	3,108
Total	"	2,674,065	2,458,004
Yarns composed wholly or in chief value of merino wool, but not containing silk, etc.			
United Kingdom	Pounds	1,497,489	1,368,808
Other Countries	"	1,441	1,563
Total	"	1,498,930	1,370,371
Wholly manufactured Products -			
Woven fabrics composed wholly or in chief part by weight of wool, etc. imported in the gray or unfinished condition for the purpose of being dyed or finished in Canada			
United Kingdom	Sq. Yards	1,541,913	587,327
Belgium	"	397,792	128,655
France	"	709,570	264,356
Italy	"	12,529	4,188
Switzerland	"	9,495	4,283
Total	"	2,671,299	988,809



THE WOOLLEN TEXTILE INDUSTRY IN CANADA, 1930.

Imports of Wool and its Manufactures by Principal Countries, 1930, Continued.

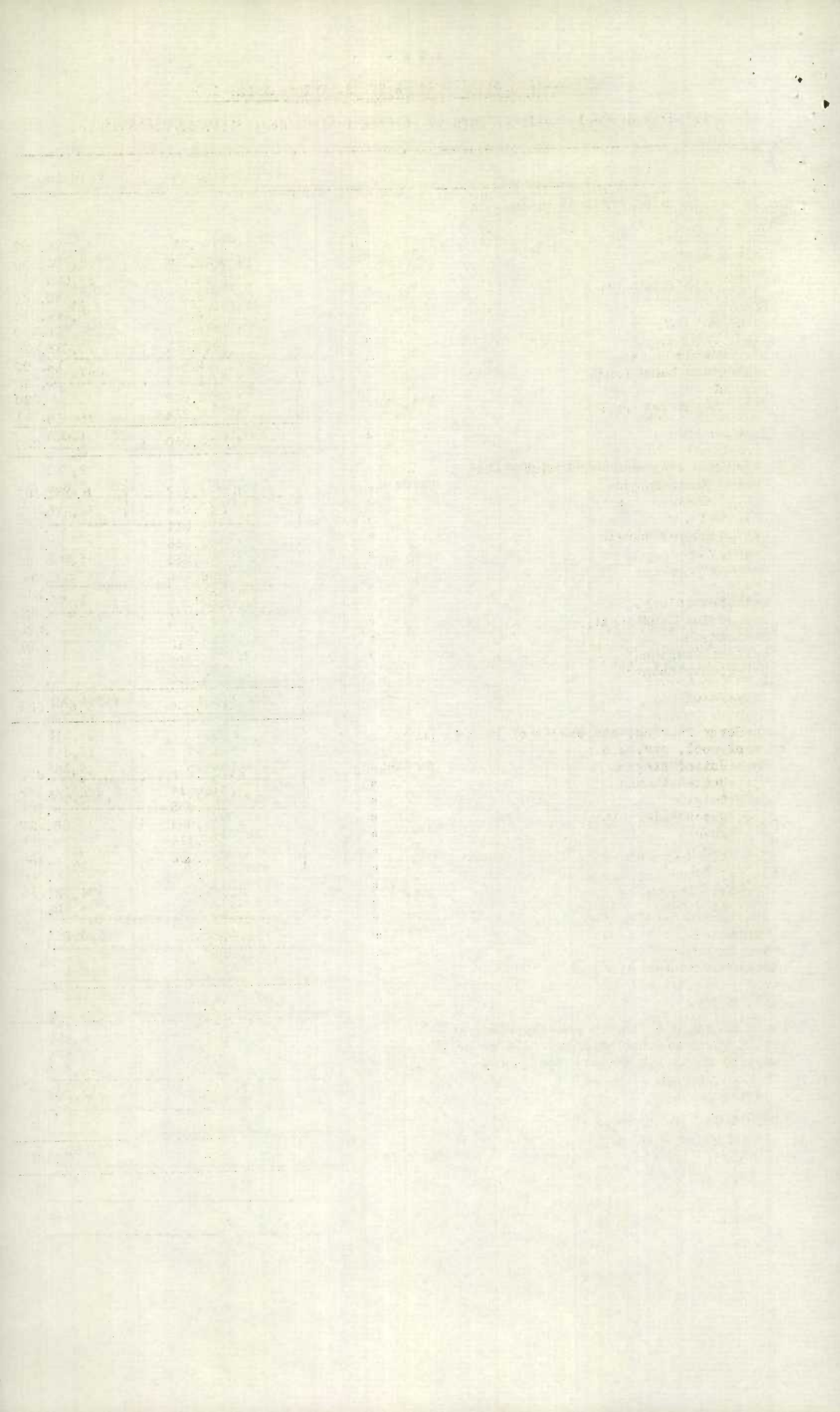
Articles		Quantity	Value
Wholly manufactured Products-Con.			
Woven Fabrics consisting of cotton warps with wefts of lustre wool, etc.			
United Kingdom	Sq.yards	376,467	220,031
Other Countries	"	1,736	941
Total	"	378,203	220,972
Flannels not exceeding in weight 5 ozs. to the square yard.			
United Kingdom	Sq.yards	45,127	19,846
France	"	38,323	15,954
Other Countries	"	3,428	2,486
Total	"	86,878	38,286
Woven Fabrics, composed wholly or in part of wool, etc. not exceeding in weight 5 ozs. to the square yard.			
United Kingdom	Sq.yards	250,393	121,569
Belgium	"	35,245	14,082
France	"	259,282	131,903
Italy	"	30,086	9,406
Switzerland	"	6,343	4,819
Other Countries	"	9,080	6,676
Total	"	590,429	288,455
Knitted Fabrics, composed wholly or in part of wool, etc. n.o.p.			
United Kingdom	Sq.yards	34,953	33,337
United States	"	6,392	7,980
Belgium	"	15,939	12,254
Other Countries	"	2,961	3,422
Total	"	60,245	56,993
Felt cloth, n.o.p.			
United Kingdom	Yards	3,269	6,597
United States	"	5,766	4,773
Belgium	"	15,695	35,494
Other Countries	"	791	1,947
Total	"	25,521	48,811
Overcoatings.			
United Kingdom	Yards	735,528	893,515
United States	"	6,858	13,130
Czecho-Slovakia	"	30,873	34,637
France	"	56,850	78,474
Germany	"	193,683	230,186
Italy	"	28,896	23,373
Netherlands	"	27,080	58,997
Sweden	"	38,458	41,498
Other Countries	"	3,430	3,597
Total	"	1,121,656	1,377,407



THE WOOLLEN TEXTILE INDUSTRY IN CANADA, 1930.

Imports of Wool and its Manufactures by Principal Countries, 1930, Continued.

Articles		Quantity	Value
Wholly manufactured products - Con.			
Tweeds -			
United Kingdom	Yards	2,014,287	1,923,707
United States	"	39,103	45,190
Belgium	"	3,297	2,719
Czecho-Slovakia	"	8,330	10,464
France	"	47,043	64,814
Germany	"	136,033	146,320
Italy	"	132,302	77,020
Netherlands	"	11,236	19,100
Poland and Danzig	"	11,797	14,245
Sweden	"	5,668	6,220
Other Countries	"	3,954	7,221
Total	"	2,413,050	2,317,020
Worsted and serges, including coatings -			
United Kingdom	Yards	6,341,717	8,026,152
United States	"	35,012	67,512
Belgium	"	24,511	35,071
Czecho-Slovakia	"	41,918	56,523
France	"	775,831	912,782
Germany	"	358,745	432,705
Italy	"	136,967	97,514
Netherlands	"	72,044	132,901
Poland and Danzig	"	16,067	16,583
Sweden	"	17,115	21,801
Switzerland	"	9,489	7,271
Other Countries	"	2,418	1,737
Total		7,831,834	9,808,552
Woven Fabrics, composed wholly or in part of wool, etc. n.o.p.			
United Kingdom	Yards	2,414,649	2,129,873
United States	"	214,514	254,639
Belgium	"	57,398	42,309
Czecho-Slovakia	"	45,094	58,997
France	"	735,314	724,258
Germany	"	331,032	351,486
Italy	"	194,049	112,940
Japan	"	7,011	2,239
Netherlands	"	39,549	79,700
Poland and Danzig	"	6,579	5,962
Sweden	"	14,342	15,080
Switzerland	"	11,656	12,351
Other Countries	"	632	2,854
Total	"	4,071,819	3,792,688
Woven or braided fabrics not exceeding 12" in width whether with cut pile or not, composed wholly or in part wool, etc.			
United Kingdom		-	6,064
United States		-	1,032
Germany		-	166
Total		-	7,262



THE WOOLLEN TEXTILE INDUSTRY IN CANADA, 1930.

Imports of Wool and its Manufactures by Principal Countries, 1930, Continued.

Articles		Quantity	Value
Wholly manufactured products - Con.			
Woven fabrics with cut piles, wholly or in part of wool, etc.. n.o.p.			
United Kingdom	Yards	184,696	368,503
United States	"	13,716	33,009
Czecho-Slovakia	"	2,265	3,650
France	"	5,084	5,466
Germany	"	69,982	130,752
Other Countries	"	4,709	10,612
Total		280,452	557,992
Shawls, wool.			
United Kingdom	Value only	-	25,718
United States	"	-	1,026
Czecho-Slovakia	"	-	4,115
Germany	"	-	1,791
Other Countries	"	-	1,846
Total	"	-	34,496
Shirts, wool.			
United Kingdom	Dozen	147	3,208
United States	"	35	717
Total	"	182	3,925
Socks and stockings wholly or in part of wool, but not containing silk or artificial silk. Valued at more than \$1.50 per pound.			
United Kingdom	Doz. Pr.	291,231	1,324,065
United States	"	4,283	14,996
Belgium	"	5,036	32,318
Germany	"	2,359	12,341
Other Countries	"	1,141	5,883
Total	"	304,050	1,389,603
Socks and stockings wholly or in part of wool, etc., but not containing silk, etc. Valued at more than 90¢ per pound, but not exceeding \$1.50 per pound.			
United Kingdom	Doz. Pr.	62,821	194,927
United States	"	2,157	3,428
Total	"	64,978	198,355
Socks and stockings wholly or part of wool, etc. but not containing silk, etc. n.o.p.			
United Kingdom	Doz. Pr.	122,188	437,728
United States	"	1,567	5,650
Japan	"	1,325	994
Other Countries	"	1,596	9,860
Total	"	126,676	454,232
Underwear, knitted wool valued at 90¢ per pound or less.			
United Kingdom	Value only	-	269
United States	"	-	1,006
Total	"	-	1,275



THE WOOLLEN TEXTILE INDUSTRY IN CANADA, 1930.

Imports of Wool and its Manufactures by Principal Countries, 1930, Continued.

Articles		Quantity	Value
Wholly manufactured products - Con.			
Clothing: Women's and Children's outer garments, Wool.			
United Kingdom	Value only	-	210,702
United States	"	-	274,007
Austria	"	-	3,348
France	"	-	45,477
Germany	"	-	5,700
Japan	"	-	10,130
Switzerland	"	-	2,581
Other Countries	"	-	2,514
Total	"	-	554,459
Clothing and wearing apparel, n.o.p. composed wholly or in part of wool.			
United Kingdom	Value only	-	1,080,925
United States	"	-	190,233
Austria	"	-	2,846
Belgium	"	-	3,797
Czecho-Slovakia	"	-	11,090
France	"	-	22,146
Germany	"	-	9,828
Japan	"	-	2,385
Switzerland	"	-	2,251
Other Countries	"	-	2,217
Total	"	-	1,327,718
Blankets, household, n.o.p. (not to include horse blankets, etc.)			
United Kingdom	Pairs	131,142	688,544
United States	"	47,410	149,614
Belgium	"	1,137	3,622
Czecho-Slovakia	"	1,464	3,019
Germany	"	4,328	7,652
Other Countries	"	2,913	10,063
Total	"	188,394	862,514
Felt, pressed, of all kinds, in the web, etc.			
United Kingdom	Pound	58,202	21,977
United States	"	100,652	69,390
Czecho-Slovakia	"	161,356	76,977
Germany	"	114,949	90,516
Other Countries	"	2,026	2,391
Total	"	437,185	261,251
Rugs, Railway, steamer, lounge, automobile, etc.			
United Kingdom	Value only	-	129,839
United States	"	-	3,035
France	"	-	2,248
Germany	"	-	1,082
Italy	"	-	6,244
Switzerland	"	-	1,025
Other Countries	"	-	673
Total	"	-	144,146
Underwear, knitted wool, valued at more than 90¢ per pound			
United Kingdom	Value only	-	325,973
Other Countries	"	-	26,124
Total		-	352,097



THE WOOLLEN TEXTILE INDUSTRY IN CANADA, 1930.

Imports of Wool and its Manufactures by Principal Countries, 1930, Continued.

Articles		Quantity	Value
Wholly manufactured products - Con.			
Articles made from woven fabrics, etc.			
Wholly or in part of wool, etc.			
United Kingdom	Value only	-	223,972
United States	"	-	192,858
Czecho-Slovakia	"	-	3,042
France	"	-	16,979
Germany	"	-	17,609
Italy	"	-	7,182
Netherlands	"	-	4,985
Other Countries	"	-	4,722
Total	"	-	471,349
Carpets, Axminster, in rolls.			
United Kingdom	Yards	67,007	142,148
United States	"	202	381
France	"	3,577	3,803
Belgium	"	3,111	4,341
Other Countries	"	507	1,245
Total	"	74,404	151,918
Carpets, Axminster, in squares.			
United Kingdom	Number	7,363	254,065
United States	"	209	6,542
Belgium	"	354	6,233
Czecho-Slovakia	"	353	4,137
France	"	417	10,739
Other Countries	"	423	8,678
Total	"	9,119	290,394
Carpets, Brussels and Wilton, in rolls.			
United Kingdom	Yards	10,307	24,709
United States	"	272	649
Other Countries	"	933	2,208
Total	"	11,512	27,566
Carpets, Brussels and Wilton, in squares.			
United Kingdom	Number	2,058	68,803
United States	"	144	8,612
Belgium	"	492	7,885
Czecho-Slovakia	"	458	10,465
Other Countries	"	319	8,554
Total	"	3,471	104,319
Carpets, ingrain, 2 and 3 ply, in rolls.			
United Kingdom	Yards	11,187	9,761
United States	"	15,984	5,017
Belgium	"	15,591	14,589
Other Countries	"	2,700	4,775
Total	"	45,462	34,142
Carpets, ingrain, 2 and 3 ply, in squares.			
United Kingdom	Number	591	23,698
United States	"	1,925	8,751
Belgium	"	3,448	46,936
France	"	1,130	16,355
Other Countries	"	1,182	22,815
Total	"	8,276	118,554



THE WOOLLEN TEXTILE INDUSTRY IN CANADA, 1930.

Imports of Wool and its Manufactures by Principal Countries, 1930, Concluded.

Articles		Quantity	Value
Wholly manufactured products - Con.			
Carpets, Oriental and Hand Woven, in squares.			
United Kingdom	Number	2,852	233,961
United States	"	587	81,806
China	"	827	50,046
Greece	"	1,335	128,069
Turkey	"	4,952	227,970
British India	"	1,078	115,617
Persia	"	1,896	126,942
Other Countries	"	897	44,229
Total	"	14,424	1,008,640
Carpets, tapestry and velvet, in rolls.			
United Kingdom	Yards	46,685	43,555
United States	"	7,767	8,163
France	"	3,056	2,844
Netherlands	"	35	57
Total	"	57,543	54,619
Carpets, tapestry and velvets, in squares.			
United Kingdom	Number	1,678	23,572
United States	"	26	615
Belgium	"	466	8,184
Italy	"	120	1,229
Other Countries	"	41	3,714
Total	"	2,331	37,314
Cocoa Carpets, mats and rugs.			
United Kingdom	Value only	-	165,990
United States	"	-	58,814
Belgium	"	-	46,484
China	"	-	10,954
Czecho-Slovakia	"	-	12,111
France	"	-	68,726
Germany	"	-	10,788
Italy	"	-	75,680
Japan	"	-	63,529
Turkey	"	-	3,011
British India	"	-	11,024
Persia	"	-	13,293
Other Countries	"	-	4,101
Total	"	-	544,505
Total wool and its products.			
United Kingdom			29,156,372
United States			2,481,309
Irish Free State			4,335
British East Africa			7,508
British South Africa			105,001
British India			129,613
Australia			511,467
New Zealand			417,716
Argentina			32,353
Austria			23,084
Belgium			501,036
China			61,016
Czecho-Slovakia			296,508
France			2,550,897
Germany			1,512,483
Greece			128,369
Italy			440,492
Japan			86,815
Netherlands			307,406
Persia			141,510
Poland and Danzig			40,713
Sweden			86,205
Switzerland			62,733
Turkey			230,981
Other Countries			29,993
Total			39,345,915



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THE WOOLLEN TEXTILE INDUSTRY IN CANADA, 1930.

Exports of Wool and Its Products - 1930.

The exports of Canadian wool and manufactures for the calendar year 1930 are shown in Table 5. The total value of exports during 1930 was \$1,120,122, as compared with \$2,135,082 in 1929, a decrease of \$1,014,960. Of the total value of Canadian products exported 57.1 per cent went to the United States, 8.5 per cent to the United Kingdom and 34.4 per cent to Other Countries.

Table 5. - Exports of Canadian Products by Principal Countries,  
Calendar Year, 1930.

Articles and Countries		Quantity	Value
Wool in the grease			
United Kingdom	Pounds	475,713	65,093
United States	"	3,657,193	522,685
Belgium	"	30,288	4,543
Germany	"	121,997	19,541
Newfoundland	"	15,411	4,408
Total	"	4,300,602	616,270
Wool, scoured or washed -			
United Kingdom	Pounds	1,230	148
United States	"	3,225	955
Newfoundland	"	2,661	710
St. Pierre and Miquelon	"	200	40
Total	"	7,316	1,853
Wool, pulled or slipped.			
United Kingdom	"	69,509	12,726
Germany	"	4,327	1,096
Total	"	73,836	13,822
Wool Carpets.			
United Kingdom	Value only	-	2,287
United States	"	-	12,431
Argentina	"	-	1,799
Colombia	"	-	1,656
Australia	"	-	20,234
New Zealand	"	-	82,751
Other Countries	"	-	3,024
Total	"	-	124,182
Wool Fabrics -			
United Kingdom	Yard	2	4
United States	"	1,120	1,763
Newfoundland	"	16,718	20,203
Other Countries	"	200	402
Total		18,040	22,372
Wool underwear			
United States	Value only	-	445
Newfoundland	"	-	7,348
St. Pierre and Miquelon	"	-	1,281
Other Countries	"	-	1,160.
Total			10,234



THE WOOLLEN TEXTILE INDUSTRY IN CANADA, 1930.

Exports of Wool and Its Products - 1930 - Con.

Articles and Countries		Quantity	Value
Wool Clothing, n.o.p.			
United Kingdom	Value only	-	7,371
United States	"	-	57,147
British South Africa	"	-	2,885
Bermuda	"	-	8,590
Barbados	"	-	3,036
Jamaica	"	-	2,146
Trinidad and Tobago	"	-	3,485
Hong Kong	"	-	4,370
Newfoundland	"	-	130,929
New Zealand	"	-	6,508
Argentina	"	-	11,843
China	"	-	4,824
St. Pierre and Miquelon	"	-	19,402
Mexico	"	-	2,454
Peru	"	-	1,659
Other Countries	"	-	3,227
Total	"	-	269,876
Wool manufacturers, n.o.p.			
United Kingdom	Value only	-	7,365
United States	"	-	44,572
Newfoundland	"	-	3,658
British West Indies	"	-	1,536
St. Pierre and Miquelon	"	-	1,277
Other Countries	"	-	3,105
Total	"	-	61,513
Summary of Exports, by Classes.			
Raw materials	Value only	-	631,945
Manufactured goods	"	-	488,177
Total	"	-	1,120,122
Summary of Exports, by Principal Countries.			
United Kingdom	Value only	-	94,994
United States	"	-	639,998
British South Africa	"	-	3,114
Bermuda	"	-	9,545
Barbados	"	-	3,351
Jamaica	"	-	3,283
Trinidad and Tobago	"	-	3,528
Hong Kong	"	-	4,485
Newfoundland	"	-	168,092
Australia	"	-	20,237
New Zealand	"	-	89,446
Argentina	"	-	14,293
Belgium	"	-	4,593
China	"	-	5,368
Columbia	"	-	2,107
St. Pierre and Miquelon	"	-	22,298
Germany	"	-	20,637
Mexico	"	-	3,448
Peru	"	-	2,710
Other Countries	"	-	4,595
Total	"	-	1,120,122



SECTION I.

WOOLLEN CLOTH INDUSTRY

The woollen cloth industry, in common with many other industries, felt the effects of the general depression of 1930 in a marked degree. In spite of an increase of 2 establishments and \$186,804 in the capital invested, the number of employees decreased by 270, salaries and wages dropped \$518,042, value of production \$3,893,522 and value added by manufacture by \$1,265,740.

The value of production amounting to \$12,347,672 in 1930 represents a decrease of 24 per cent as compared with the previous year. Suitings, dress goods, overcoatings and cloakings of which there were produced 4,500,334 yards valued at \$6,446,304 rank first in importance. This compares with a production of 5,902,757 yards in 1929, valued at \$7,907,380. Velours and plushes, the next item of importance, also dropped in value from \$3,997,066 in 1929 to \$2,512,965 in 1930.

Detailed statistics of production, employment, materials used, capital invested, etc. are given in the table following.

Table 1.-Principal Statistics by Provinces, 1922-30.

	Es- tab- lish- ments No.	Capital \$	Em- ploy- ees No.	Salaries and Wages \$	Cost of materials used \$	Gross value of products \$	Value added by manufacture \$
1922-Canada.....	67	20,846,502	4,925	4,244,559	7,039,177	15,410,537	8,371,360
Maritime Provinces	7	1,744,925	299	209,822	324,405	753,408	429,003
Quebec.....	11	1,764,277	609	424,625	522,377	1,372,963	850,586
Ontario.....	46	17,337,300	4,017	3,610,112	6,192,395	13,284,166	7,091,771
1923-Canada.....	66	22,527,138	5,309	4,726,947	8,564,356	16,454,875	7,890,519
Maritime Provinces	9	1,633,660	350	207,483	312,480	703,762	391,282
Quebec.....	11	2,594,967	571	532,254	643,361	1,517,296	873,935
Ontario.....	46	18,298,511	4,388	3,987,210	7,608,515	14,233,817	6,625,302
1924-Canada.....	60	22,551,881	4,691	4,125,150	8,392,939	15,005,081	6,612,142
Maritime Provinces	6	744,383	205	144,106	250,208	440,691	190,483
Quebec.....	9	2,638,266	625	460,821	1,091,867	1,698,303	606,436
Ontario.....	45	19,169,232	3,861	3,520,223	7,050,864	12,866,087	5,815,223
1925-Canada.....	57	21,342,909	4,426	3,912,266	9,415,211	15,499,326	6,084,115
Maritime Provinces	5	668,567	181	120,432	253,295	458,039	204,744
Quebec.....	10	2,546,210	663	479,055	1,388,541	2,058,704	670,163
Ontario.....	42	18,128,132	3,582	3,312,779	7,773,375	12,982,583	5,209,208
1926-Canada.....	54	20,735,523	4,675	3,973,294	8,680,304	15,503,083	6,822,779
Maritime Provinces	5	625,617	173	116,563	224,734	428,148	203,414
Quebec.....	8	2,561,832	659	460,904	1,154,383	1,760,347	605,964
Ontario.....	41	17,548,074	3,843	3,395,827	7,301,187	13,314,588	6,013,401
1927-Canada.....	55	20,170,185	4,249	3,705,510	7,991,590	14,318,369	6,326,779
Maritime Provinces	5	641,554	190	124,229	221,467	418,058	196,591
Quebec.....	10	2,605,153	563	476,241	1,031,372	1,827,119	795,747
Ontario.....	40	16,923,478	3,496	3,105,040	6,738,751	12,073,192	5,334,441
1928-Canada.....	51	18,274,895	3,996	3,763,938	9,270,861	15,062,081	5,791,220
Maritime Provinces	6	605,276	172	102,567	207,292	363,314	156,022
Quebec.....	11	2,663,940	601	498,383	1,191,477	2,117,782	926,305
Ontario.....	34	15,005,679	3,223	3,162,988	7,872,092	12,580,985	4,708,893
1929-Canada.....	44	20,016,292	4,145	3,924,304	9,231,712	16,241,194	7,009,482
Maritime Provinces	5	683,852	134	83,878	167,929	314,440	146,511
Quebec.....	12	2,949,856	648	514,685	1,119,726	1,920,919	801,193
Ontario.....	29	16,382,584	3,363	3,325,741	7,944,057	14,005,835	6,061,778
1930-Canada.....	46	20,202,796	3,875	3,406,262	6,603,930	12,347,672	5,743,742
Maritime Provinces	3	666,648	131	96,191	122,186	242,815	120,629
British Columbia							
Quebec.....	11	3,223,850	669	566,867	1,251,315	2,222,864	971,549
Ontario.....	32	16,312,298	3,075	2,743,204	5,230,429	9,881,993	4,651,564



SECTION I.-WOOLLEN CLOTH MILLS, 1930.

Size of Establishments.

In view of the tendency towards concentration in industrial enterprise, a series of tables has been prepared presenting in a threefold way the size of establishments in each of the four sections comprising the woollen goods industry measured by (a) capital investment, (b) gross value of production and (c) the number of persons employed. The tables when compared for a number of years indicate the movement of capital, production and employment within the industry.

Woollen Cloth Mills.

In 1930 the number of mills in operation was 46 with a total capital investment of \$20,202,796, a gross value of production of \$12,347,672 and a total employment of 3,875. Twenty-six establishments had a capital investment of \$19,597,021 or 97.0 per cent of the total capitalization and an average investment per establishment of \$753,731. Twenty plants had a gross production of \$11,729,534 or 94.9 per cent of the total production and an average output per establishment of \$586,477. In employment 19 establishments had 3,484 persons on the payroll being an average of 183 per establishment and 89.91 per cent of the total employment.

Table 2. - Size of Establishment in Woollen Cloth Mills, 1929-1930.

Capital invested	1929			1930		
	Estab- lish- ments	Amount	Average Capital per estab- lishment	Estab- lish- ments	Amount	Average Capital per estab- lishment
	No.	\$	\$	No.	\$	\$
Under 50,000	15	240,699	16,047	17	361,581	21,270
50,000 to under 100,000	3	222,418	74,139	3	244,194	81,398
100,000 to under 200,000	6	817,948	136,325	6	869,604	144,934
200,000 to under 500,000	9	3,233,472	359,275	7	2,290,735	327,248
500,000 to under 1,000,000	4	2,901,548	725,387	6	4,023,005	670,501
1,000,000 and over	7	12,600,207	1,800,029	7	12,413,677	1,773,382
TOTAL	44	20,016,292	454,919	46	20,202,796	439,191
Production	Estab- lish- ments	Amount	Average Production per estab- lishment	Estab- lish- ments	Amount	Average Production per estab- lishment
	No.	\$	\$	No.	\$	\$
Under 50,000	18	225,118	12,506	23	398,179	17,312
50,000 to under 100,000	5	310,132	62,026	3	219,959	73,319
100,000 to under 200,000	4	577,345	144,336	3	442,576	147,525
200,000 to under 500,000	8	2,764,982	345,623	8	2,424,698	303,087
500,000 to under 1,000,000	3	1,974,832	658,277	5	3,219,416	643,883
1,000,000 and over	6	10,388,785	1,731,464	4	5,642,844	1,410,711
TOTAL	44	18,241,194	369,118	46	12,347,672	268,428
Employees	Estab- lish- ments No.	Number of Employees	Average No. of employees per estab- lishment	Estab- lish- ments No.	Number of Employees	Average No. of employees per estab- lishment.
Under 20	16	102	6.38	19	149	7.84
20 to under 50	8	215	26.87	8	242	30.25
50 to under 100	9	651	72.34	7	501	71.55
100 to under 200	3	433	144.33	5	720	144.
200 to under 500	7	2,157	308.14	6	1,700	283.33
500 and over	1	587	587.00	1	563	563.
TOTAL	44	4,145	94.20	46	3,875	84.24



# SECTION I. - WOOLLEN CLOTH MILLS, 1930.

## PRODUCTION

The production in woollen cloth mills in 1930 is shown for the Dominion in Table 2. There was a decrease in value of production of \$3,893,522 as compared with the previous year. The province of Ontario contributed 80.0 per cent of the total value of production, amounting to \$9,881,993; Quebec contributed \$2,222,864 or 18.0 per cent and the Maritime Provinces and British Columbia \$242,815 or 2.0 per cent.

Table 2. - Production in Woollen Cloth Mills of Canada.

	Unit	Quantity	Value
			\$
<u>Woollen and Worsted Goods.</u>			
Suitings, Dress Goods, Overcoatings and Cloakings			
All wool woollen	Yds.	2,205,590	3,010,510
All wool worsted	"	1,469,778	2,979,801
Wool and cotton mixed	"	385,173	305,712
Cotton warp woollen	"	439,793	150,281
Flannel for underwear	"	5,597	7,196
Blankets, all wool		-	587,358
" cotton mixed		-	78,583
Horse blankets		-	34,570
Auto clothes	Yds. ✓	387,528	607,564
Auto rugs	"	8,574	17,280
Mackinaw	" ✓	215,771	241,922
Shawls, woven		-	11,907
Velours and Plushes	"	1,413,379	2,512,965
Woollen yarn	Pounds	1,279,869	724,251
Worsted yarn	"	730,709	572,888
Cotton yarn	"	136,120	34,030
Wool and cotton felts for pulp and paper making	"	62,725	100,974
Sweaters and other knitted goods		-	282,230
Custom work		-	87,650
Total		-	12,347,672

The figures given in the above table do not necessarily represent the total Canadian production of these articles since in some cases they are also produced in other industries.

## Capital Investment.

The amount of capital invested in the woollen cloth section of the industry in 1930 is shown in Table 4 under two heads:- fixed capital which includes land, buildings and fixtures and machinery and tools, and working capital including materials and stocks on hand, finished products, fuel and miscellaneous supplies and cash, trading and operating accounts, etc. Ontario provided 80.74 per cent of the total investment, Quebec 15.95 per cent and the Maritime Provinces 3.31 per cent. Fixed capital increased by \$458,189 over 1929, while working capital, more variable in character, decreased by \$271,685, or a net increase in total investment of \$186,504.

Table 4. - Capital Invested by Provinces, 1930.

Provinces	Fixed Capital	Working Capital		Total
	Land, buildings, etc. machinery and tools	Materials and supplies and finished products on hand	Cash, trading and operating accounts, etc.	Capital
	\$	\$	\$	\$
CANADA	15,019,092	4,950,957	2,232,717	20,202,796
Nova Scotia, New Brunswick and British Columbia	487,642	123,843	55,163	666,648
Quebec	1,978,866	900,336	344,348	3,223,550
Ontario	10,552,564	3,926,778	1,333,236	16,312,598



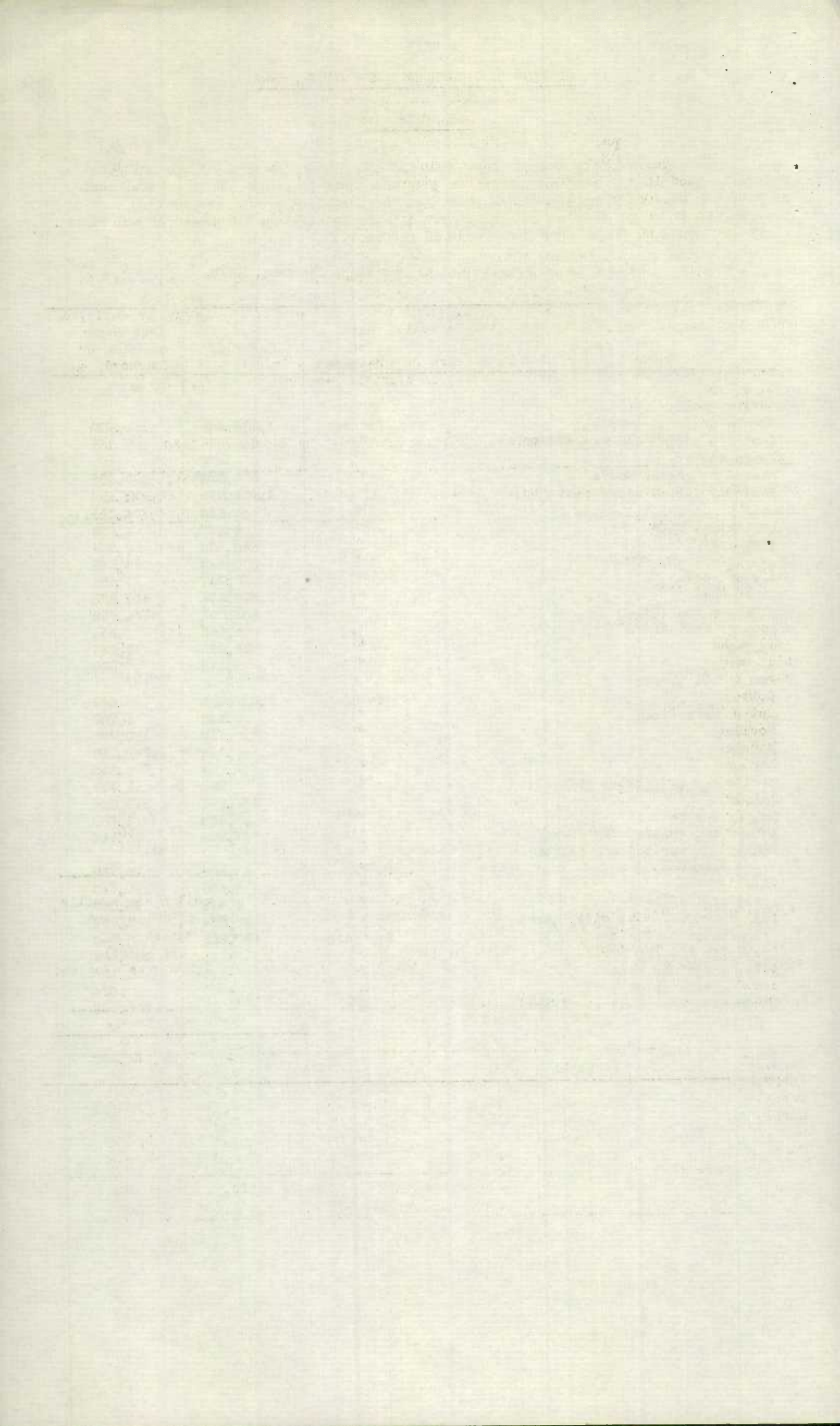
# SECTION I. - WOOLLEN CLOTH MILLS, 1930.

## Materials Used.

The quantity and the cost value at the factory or mill of the principal materials used in this section during the year are shown in Table 5. The total cost in 1930 was \$6,603,930 or \$2,627,782 less than the preceding year. Raw wool constituted 29.98 per cent of the total cost of materials, yarns purchased of all kinds, 44.36 per cent and all other materials 25.66 per cent.

Table 5. - Materials used by Principal Classes, 1930.

	Unit of Measure	Quantity	Cost Value at Mill or Factory.
			\$
Domestic wools:-			
Fleece or greasy wools	Pounds	1,794,106	361,407
Scoured, pulled and washed wools	"	685,836	189,876
Foreign wools:-			
Fleece or greasy wools	"	876,026	273,388
Scoured, pulled and washed wools	"	2,930,013	1,155,659
Mohair	"	36,368	14,281
Other animal hair	"	4,476	4,600
Cotton, raw	"	330,729	50,834
Rags, clippings, etc.	"	880,493	93,248
Noils of wool	"	72,237	25,563
Tops of wool	"	1,376,272	641,881
Wool waste and shoddy	"	883,593	164,758
Recovered wool fibre	"	4,245	651
Wool stock	"	238,482	76,055
Silk waste	"	1,473	529
Yarns of all kinds:-			
Cotton	Pounds	2,011,002	796,043
Cotton mercerized	"	2,410	2,780
Woollen	"	210,430	160,795
Worsted	"	1,345,256	1,281,143
Merino	"	1,123	1,318
Merino and artificial silk	"	881	1,322
Mohair	"	386,693	377,018
Mohair lustre	"	17,868	18,761
Mohair and worsted mixtures	"	97,959	93,914
Mohair and worsted and cotton mixture	"	47,400	38,909
Silk	"	6,405	45,740
Artificial silk	"	8,898	10,082
Silk and artificial silk, mixed	"	82,284	101,584
Cashmerette (unfinished)	Sq. yards	187,005	76,240
Dyestuffs and chemicals	-	-	307,451
Oils, soaps and sodas	-	-	29,156
Packing materials	-	-	624
Other materials (not specified)	-	-	208,320
TOTAL	-	-	6,603,930



SECTION I.- WOOLLEN CLOTH MILLS, 1930.

Employment Statistics, 1930.

Statistics of employment are presented in the following series of tables:-

6. Employees by number, sex and remuneration, by provinces.
7. Employment by months, by numbers and sex.

The number of persons employed, male and female, is shown by classes, sex and remuneration in Table 6. Total employment dropped from 4,155 persons of both sexes in 1929 to 3,918 in 1930, whilst the total of salaries, wages, etc. decreased from \$3,925,485 in 1929 to \$3,408,898 in 1930, being a decrease of 237 in the number employed, and a decrease of \$516,587 in the total payroll.

The average number of wage earners employed in any industry is calculated on the actual number of months the mills were in operation and not on a basis of 12 calendar months.

Table 6. - Employees, Salaries and Wages, by Provinces, 1930.

Employees by number and sex		CANADA	Ontario	Quebec	Maritime Provinces and British Columbia
Salaried employees -					
Male	No.	249	200	39	10
Female	No.	66	59	5	2
Total Salaries	\$	724,439	568,457	124,335	31,647
Wage-earning employees -					
Male	No.	2,008	1,623	329	56
Female	No.	1,552	1,193	296	63
Total wages	\$	2,681,823	2,174,747	442,532	64,544
Outside piece-workers -					
Male	No.	-	-	-	-
Female	No.	43	42	1	-
Amount paid	\$	2,636	2,391	245	-
Total, all employees -					
Male	No.	2,257	1,823	368	66
Female	No.	1,661	1,294	302	65
Salaries and Wages	\$	3,408,898	2,745,595	567,112	96,191

Statistics of employment by months, as per payroll, in the woollen cloth mills of Canada are shown in Table 5, for the calendar year 1930. The maximum of employment was attained in the month of March, with a total of 3,792 of both sexes, whilst the month of minimum employment was that of September with a total of 3,134. The average monthly employment for the year was 3,560 of whom 2,008 were males and 1,552 were females.

Table 7. - Employment by Months as per Payroll, 1930.

Month	Male No.	Female No.	Month	Male No.	Female No.
January	1,998	1,571	July	1,829	1,390
February	2,118	1,620	August	1,814	1,363
March	2,151	1,641	September	1,714	1,420
April	2,027	1,540	October	1,907	1,554
May	1,972	1,476	November	1,965	1,551
June	1,966	1,429	December	1,979	1,540
		Total employment by months			23,440
		Average monthly employment			18,095
					2,008
					1,552



SECTION I.- WOOLLEN CLOTH MILLS, 1930.

Fuel Consumption

The consumption of fuel by this section of the woollen textile industry is shown by classes, quantity and cost value delivered at the mill in Table 8. The principal fuel used was bituminous coal which dropped from 42,506 tons in 1929 to 36,856 tons in 1930. The average price of bituminous coal of all grades was \$6.19 in 1930 as against \$6.30 in 1929. Electricity purchased amounted to \$87,142 in 1930 as compared with an outlay of \$95,504 in 1929.

Table 8. - Fuel Consumption by classes, quantity and value,  
1930.

Classes of Fuel	Unit of Measure	Quantity	Cost Value delivered at Mill
Bituminous coal	ton	36,856	228,463
Lignite coal	"	2,960	16,375
Gasoline	gallon	2,352	452
Wood	cord	723	3,052
Coke	ton	14	130
All other fuel	-	-	244
Cost of Fuel	-	-	248,716
Cost of Electricity	-	-	87,142
Total Cost of Fuel and Electricity	-	-	335,858

Power Installation.

Power installation in the woollen cloth mills of the Dominion is shown in Table 9 by (a) classes of power, (b) number of units in each class and (c) the horse-power capacity according to manufacturers' rating for the calendar year 1930. Electric motors were still the principal power used, having increased by 58 units, with however, a decrease of 346 horse power under that of 1929. Boilers installed for any purpose numbered 66 with a boiler horse power capacity of 8,140.

Table 9. - Power Installation, 1930.

Classes of Power	Number of Units	H.P. according to manufacturers' rating
Steam engines and turbines	11	1,852
Oil, gas and gasoline engines	2	45
Hydraulic turbines or water wheels	25	1,661
Electric motors operated by purchased power	1,244	8,000
Total power used in manufacturing	1,282	11,558
Electric motors operated by owned power	15	670
Total electric motors	1,259	8,670
Boilers installed	66	8,140



SECTION I.- WOOLLEN CLOTH MILLS, 1930 - Concluded.

Equipment in Woollen Cloth Mills

The equipment installed in the mills operating in 1930 consisted of 219 sets of cards of specified widths, the number of each width being indicated below:-

Under 40 inches	40 inches	44 inches	45 inches	48 inches	54 inches	60 inches	66 inches	72 inches & over	Total
8	26	4	5	62	10	82	5	19	219

The number of cylinders to each set of cards is set forth below:-

1 Cylinder	2 Cylinders	3 Cylinders	4 Cylinders	5 Cylinders	6 Cylinders	7 Cylinders	Total
21	4	112	59	17	6	-	219

The number of spindles and looms operating in 1930 is summarized in the following tabular statement.

Spindles and looms	Woollen No.	Worsted No.	Cotton No.	Other No.	Total
Mule spinning spindles	67,937	-	1,300	-	69,237
Frame spinning spindles	424	16,540	2,040	-	19,004
Doubling and twisting spindles	2,689	6,966	-	-	9,655
Broad looms (50" reed space or over)	1,135	411	125	88	1,759
Narrow looms (under 50" reed space)	11	10	116	-	137
Hand looms	1	-	-	-	1

<u>Other Equipment</u>	<u>Number</u>
Wool combing machines	22
Pickers	44
Garnet machines	12

The above does not include the knitting equipment of one mill which also has a knitting department.

For imports and exports see pages 4 to 13 inclusive.



# SECTION II.

## WOOLLEN YARN INDUSTRY

The output of the woollen yarn industry in 1930 was valued at \$5,089,204, a decrease of \$1,938,038 or 27.6 per cent as compared with the previous year. Not only was there a decrease in the value of the products made but their volume declined as well. Worsted and woollen yarns are the chief items of production; the output of the former dropped from 4,629,628 pounds in 1929 to 3,317,231 pounds in 1930, while the latter dropped from 2,584,430 pounds in 1929 to 2,310,362 pounds in 1930. All the other items of production were also somewhat lower in 1930 as compared with the previous year.

The decreased output is also reflected in a decrease of 257 in the number of employees, \$217,878 in the salaries and wages paid and \$889,943 in the value added by manufacture. Detailed statistics of this industry follow:

Table 1.- Woollen Yarn Industry--Principal Statistics, 1922-30.

	Estab- lish- ments	Capital	Em- ploy- ees	Salaries and Wages	Cost of materials used	Gross value of products	Value added by manu- facture
--	No.	\$	No.	\$	\$	\$	\$
1922							
Canada.....	17	6,856,805	1,283	1,015,555	3,324,348	5,850,344	2,525,996
Ontario.....	12	6,117,489	1,045	848,674	2,936,268	4,967,291	2,031,023
Other provinces....	5	739,016	238	166,881	388,080	883,053	494,975
1923							
Canada.....	19	9,279,418	1,464	1,171,363	4,333,348	7,405,132	3,071,784
Ontario.....	14	8,502,181	1,168	959,609	3,607,315	6,196,444	2,589,129
Other provinces....	5	777,237	296	211,754	726,033	1,208,688	482,655
1924							
Canada.....	17	9,856,783	1,621	1,097,951	4,646,180	6,671,234	2,025,054
Ontario.....	12	8,856,336	1,113	867,245	3,863,969	5,551,008	1,687,039
Other provinces....	5	1,000,447	508	230,706	782,211	1,120,226	338,015
1925							
Canada.....	16	9,041,892	1,434	1,093,078	4,787,201	7,332,093	2,544,892
Ontario.....	11	8,118,891	1,100	896,829	4,080,040	6,129,366	2,049,326
Other provinces....	5	923,001	334	196,249	707,161	1,202,727	495,566
1926							
Canada.....	17	8,417,695	1,436	1,144,571	4,062,118	7,006,877	2,944,759
Ontario.....	11	7,570,463	1,139	971,072	3,405,891	5,734,824	2,328,933
Other provinces....	6	847,232	297	173,499	656,227	1,272,053	615,826
1927							
Canada.....	17	9,761,057	1,648	1,290,359	4,455,941	6,944,765	2,488,824
Ontario.....	11	8,517,844	1,287	1,066,631	3,922,133	5,870,590	1,948,457
Other provinces....	6	1,243,213	361	223,728	533,808	1,074,175	540,367
1928							
Canada.....	20	8,810,695	1,889	1,416,300	4,789,168	7,706,740	2,917,572
New Brunswick.....	4	65,950	26	9,194	9,402	29,553	20,151
Ontario.....	12	7,437,902	1,492	1,155,042	4,321,652	6,515,950	2,194,298
Other provinces....	4	1,296,843	371	252,064	458,114	1,161,237	703,123
1929							
Canada.....	27	7,699,902	1,825	1,281,074	3,962,096	7,027,242	3,065,146
Ontario.....	16	6,406,683	1,416	1,031,283	3,641,897	6,019,570	2,377,673
Maritime provinces..	3	72,500	44	15,013	9,784	35,227	25,443
Other provinces....	3	1,220,719	365	234,778	310,415	972,445	662,030
1930							
Canada.....	26	7,174,100	1,568	1,063,196	2,924,001	5,089,204	2,165,203
Ontario.....	15	5,891,902	1,215	846,427	2,558,137	4,121,554	1,563,417
Maritime provinces..	3	72,550	38	14,771	11,207	45,031	33,824
Other provinces....	3	1,209,648	315	201,998	354,657	922,619	567,942



SECTION II.- WOOLLEN YARNS.

Production Statistics

The quantity and selling value at the mill or factory of the various yarns and other products manufactured in this section of the industry are shown in Table 2 for the Dominion. The value of production fell from \$7,027,242 in 1929, to \$5,089,204 in 1930, or a decrease of 27.58 per cent. The province of Ontario alone accounted for 80.99 per cent of the total production in the Dominion.

Table 2.- Production of Woollen Yarns, etc. 1930.

Articles produced	Unit of Measure	Quantity	Selling Value at mill or Factory
Woollen yarns	pound	2,310,362	910,005
Worsted yarns	"	3,317,231	3,165,961
Cotton yarns	"	115,523	36,630
Wool waste and noils	"	84,158	11,829
Wool felts for pulp and paper making	"	102,955	171,742
Carpets, velvet, etc. cut pile	lineal yd.	25,733	57,617
Carpets, Axminster, Wilton, etc.	" "	104,058	355,402
Carpets, tapestry, Brussels, etc.	" "	81,956	89,738
Flannels	"	147,564	65,271
Jersey Cloth	" "	125,642	107,500
Glove, shoe and rubber linings	pound	58,909	35,345
All other products (value only)	-	-	61,314
Received for custom work	-	-	20,850
Total Value of Products	-	-	5,089,204

The figures given in the above table do not necessarily represent the total Canadian production of these articles since in some cases they are also produced in other industries.

Materials Used.

The quantity and cost value at the mill of the various materials used in the manufacture of woollen and worsted yarn, is presented in Table 3 for the calendar year 1930. Raw wool represented 5.92 per cent, tops and waste and noils 67.18 per cent, and woollen and worsted yarns 13.89 per cent for the total cost of materials used during the year.

Table 3.- Materials used in Woollen Yarn Mills, 1930.

Kinds of Materials	Unit of Measure	Quantity	Cost Value at the Factory or Mill
			\$
Domestic wool in condition purchased:			
Grease	Pounds	361,308	85,341
Washed, unwashed, pulled or slipped	"	9,000	1,725
Scoured	"	6,815	1,568
Foreign wool, in condition purchased:			
Grease	"	212,542	54,371
Alpaca, Vicuna, camel and other animal hair	"	84,954	30,310
Cotton, raw	"	284,735	62,112
Rags, clippings, etc.	"	972,160	100,495
Noils of wool	"	10,691	3,494
Tops of wool	"	3,610,565	1,797,758
Recovered wool fibre	"	94,103	18,147
Wool waste and shoddy	"	281,773	44,426
Yarns, worsted	"	184,047	168,923
Woollen	"	484,419	168,135
Merino	"	62,458	69,137
Cotton	"	154,984	53,039
Jute	"	155,440	19,149
Manila	"	16,721	4,180
Artificial silk	"	37,193	32,462
Chemicals, dyes, etc.	-	-	156,905
All other materials	-	-	52,324
Total	-	-	2,924,001



# SECTION II.- WOOLLEN YARNS

## Size of Establishments

In 1930 the number of factories in operation was 26 with a total capitalization of \$7,174,100, - gross value of production amounting to \$5,089,204 and a total employment of 1,568. Five establishments had a total capital investment of \$5,489,190 or 76.51 per cent of the total capitalization, an average investment of \$1,097,838 per establishment. Seven firms reported a total production of \$4,690,138 or 92.16 per cent of the total gross value of production an average output of \$670,020 per establishment. In employment 6 establishments had 1,286 persons, being an average of 214 per factory or 82 per cent of the total employment.

Table 4.- Size of Establishment in Woollen Yarn Mills, 1929-30.

Capital invested	1929			1930		
	Estab- lish- ments	Capitaliz- ation	Average Capital per estab- lishment	Estab- lish- ments	Capitaliz- ation	Average Capital per estab- lishment
	No.	\$	\$	No.	\$	\$
Under 50,000	14	128,280	9,163	15	179,360	11,958
50,000 to under 100,000	1	50,674	50,674	-	-	-
100,000 to under 200,000	1	127,908	127,908	2	315,336	157,668
200,000 to under 500,000	4	1,065,354	266,338	4	1,190,214	297,553
500,000 to under 1,000,000	6	4,393,810	732,302	3	2,341,064	780,354
1,000,000 and over	1	1,933,876	1,933,876	2	3,148,126	1,574,063
TOTAL	27	7,699,902	285,182	26	7,174,100	275,927
Production	Estab- lish- ments	Production	Average Production per estab- lishment	Estab- lish- ments	Production	Average Production per estab- lishment
	No.	\$	\$	No.	\$	\$
Under 50,000	15	74,335	4,956	17	134,346	7,903
50,000 to under 100,000	-	-	-	-	-	-
100,000 to under 200,000	3	412,424	137,475	2	264,720	132,360
200,000 to under 500,000	2	606,458	303,229	3	1,069,361	356,453
500,000 to under 1,000,000	6	3,841,295	640,216	3	2,242,394	747,465
1,000,000 and over	1	2,092,730	2,092,730	1	1,378,383	1,378,383
TOTAL	27	7,027,242	260,268	26	5,089,204	195,739
Employees	Estab- lish- ments	Number of Employees	Average No. of employ- ees per Establishment	Estab- lish- ments	Number of Employees	Average No. of employ- ees per establish- ment.
	No.			No.		
Under 20	15	74	4.93	15	58	3.87
20 to under 50	2	79	39.50	4	152	38.00
50 to under 100	2	131	65.50	1	72	72.00
100 to under 200	6	827	137.83	3	395	131.67
200 to under 500	2	714	357.00	3	891	297.00
TOTAL	27	1,825	67.59	26	1,568	60.21

## Equipment

The equipment of the 26 mills reporting is shown in Table 5.

Table 5.- Equipment installed in Woollen Yarn Mills, 1930.

K i n d	Woollen	Worsted	Shoddy	Cotton	TOTAL
Sets of cards	73	3	-	5	81
Spindles, number:					
Mule spinning spindles	19,190	-	-	-	19,190
Semi spinning spindles	301	36,996	-	-	37,297
Droving and twisting spindles	802	16,570	-	-	17,172
Broad looms (50 inches reed space or over)	46	14	-	-	60
Narrow looms (under 50 inches reed space)	8	60	-	-	68
And looms	1	-	-	-	1
Wool combing machines	-	-	-	-	5
Pickers	-	-	-	-	42
Garnet machines	-	-	-	-	6



## SECTION II.- WOOLLEN YARNS

### Capital Investment

The amount of capital invested in the woollen yarn industry in 1930 is shown by items and provinces in Table 3. Fixed capital comprising land, buildings, machinery and tools, which in 1929 amounted to \$4,651,007 decreased during the year by \$64,943 whilst working capital comprising materials, stocks and supplies on hand and cash, trading and operating accounts also decreased by \$460,859. Total capital, therefore, shows a decrease from 1929 of \$525,802. Ontario provided 82.13 per cent of the total capital, the Maritime provinces 1.01 per cent and the other provinces 16.86 per cent.

Table 6.- Capital invested in Woollen Yarn Mills, by Provinces, 1930.

Provinces	Fixed Capital	Working Capital		Total Capital
	Land, buildings, etc. machinery and tools	Materials and stocks on hand, miscellaneous supplies, etc.	Cash trading and operating accounts, etc.	
Maritime Provinces	\$ 42,300	\$ 19,258	\$ 10,992	\$ 72,550
Ontario	3,671,033	1,255,341	965,528	5,891,902
Other provinces	872,731	230,802	106,115	1,209,648
CANADA	4,586,064	1,505,401	1,082,635	7,174,100

### Employment Statistics

The statistics relating to employment in the woollen yarn mills are presented in the following series of tables, for the calendar year 1930.

Table 7.- Employees by classes, number and remuneration by provinces.

Table 8.- Employees on wages, by months and sex.

The number of persons at employment, whether on salaries or wages, is shown by sex and remuneration, for Canada and the provinces in Table 7. The province of Ontario furnished 64.4 per cent of the male employees, 88.4 per cent of the females and expended in salaries and wages, etc. 79.6 per cent of the total for the Dominion.

The average number of wage earners employed in any industry is calculated on the actual number of months the mills were in operation and not on a basis of 12 calendar months.

Table 7.- Employees by Number, Sex and Remuneration, 1930.

Employment by Classes, etc.		CANADA	Ontario	Maritime Provinces	Other Provinces
Salaried Employees -					
Male	No.	37	30	-	7
Female	No.	22	18	-	4
Total Salaries	\$	123,021	100,409	-	22,612
Wage-earners, average number -					
Male	No.	677	430	23	224
Female	No.	832	737	15	80
Total Wages	\$	940,175	746,018	14,771	179,386
T O T A L -					
Employees, Male	No.	714	460	23	231
Employees, Female	No.	854	755	15	84
Salaries and Wages	\$	1,063,196	846,427	14,771	201,998



SECTION II.-WOOLLEN YARN

Employment Statistics - Cont'd.

Table 8 presents the statistics of employment during 1930 according to number and sex of wage-earner, by months. The maximum of employment was reached in the month of January with a total of 1,577 employees of whom 701 were males and 876 were females. The minimum of employment was reached in September with a total of 1,302 employees, of whom 617 were males and 685 were females. The average employment for the year was 677 males and 832 females.

Table 8.- Employment by Months and Sex, 1930.

Months	Males No.	Females No.	Months	Males No.	Females No.
January	701	876	July	631	741
February	691	857	August	612	707
March	652	777	September	617	685
April	643	782	October	638	779
May	649	763	November	660	785
June	655	757	December	671	837
Total employment during the year				7,820	9,346
Average monthly employment during year				677	832

Fuel Consumption.

The quantity and value of the fuel consumed by the woollen yarn industry is shown in Table 9 for the calendar year 1930. Bituminous coal accounted for 94.47 per cent of the total fuel outlay in 1930. The cost of electricity purchased during the year amounted to \$28,821 as compared with an outlay of \$53,691 in 1929.

Table 9.- Fuel Consumption by Classes, 1930.

Classes of Fuel	Unit of Measure	Quantity	Cost Value at Factory
Bituminous Coal	ton	14,026	84,223
Lignite Coal	ton	38	179
Gasoline	gallon	315	83
Wood	cord	982	4,388
Gas, artificial or natural	-	-	279
Fuel oil	-	-	-
Electricity	-	-	28,821
Total cost of Fuel and Electricity	-	-	117,973

Power Installation

The power installed in woollen yarn mills in 1930 is shown in Table 10 by (a) the classes of power, (b) the number of units in each class and (c) the total horse-power according to manufacturer's rating.

Table 10.- Power Installation, 1930.

Class of Power	Number of Units	Horse Power according to manufacturers' rating
Steam engines and turbines	7	381
Oil, gas and gasoline engines	3	30
Hydraulic turbines or water wheels	8	552
Electric motors operated by purchased power	186	2,420
Total	204	3,383
Electric motors, operated by power generated in the establishment	57	800
Boilers installed	17	2,445

For imports and exports see pages 4 to 13 inclusive.



SECTION III.- CARPETS, MATS AND RUGS

Of the four groups into which woollen textiles are classified, the carpet, mat and rug section was the least affected by the general depressed business conditions prevailing in 1930. The value of production dropped from \$5,434,555 in 1929 to \$4,801,066 in 1930, the number of persons employed was reduced by 123 with a reduction in the amount paid out in salaries and wages of \$170,966, while the value added by manufacture was only \$29,754 lower than in the previous year.

In 1930, establishments manufacturing carpets, mats and rugs, numbered 19. These plants reported an investment of \$6,628,481 in fixed and current assets, they furnished employment to 1,170 persons who received \$1,292,719 in salaries and wages, their output was valued at \$4,801,066 while the amount spent on materials totalled \$1,955,945, leaving the value added by manufacture at \$2,845,121.

This industry is practically confined to the province of Ontario, the 14 establishments there located employed practically the whole of the capital and produced over 98 per cent of the entire output.

Table 1.- Carpet, Mat and Rug Industry -- Principal Statistics, 1922-30.

	Estab- lish- ments	Capital	Em- ploy- ees	Salaries and Wages	Cost of Materials used	Gross value of products	Value added by manufacture
	No.	\$	No.	\$	\$	\$	\$
1922							
Canada.....	21	2,951,229	902	978,085	1,468,725	3,470,402	2,001,677
Ontario.....	15	2,925,155	882	959,422	1,466,253	3,438,207	1,971,954
Other provinces.....	6	26,074	20	18,663	2,472	32,195	29,723
1923							
Canada.....	23	4,130,485	1,031	1,047,823	1,638,149	3,808,914	2,170,765
Ontario.....	17	4,114,500	1,012	1,029,179	1,635,586	3,771,007	2,135,421
Other provinces.....	6	15,985	19	18,644	2,563	37,907	35,344
1924							
Canada.....	18	4,738,420	829	844,911	1,122,151	2,725,779	1,603,628
Ontario.....	13	4,717,177	809	825,655	1,118,918	2,689,920	1,571,002
Other provinces.....	5	21,243	20	19,256	3,233	35,859	32,626
1925							
Canada.....	16	4,080,905	861	893,843	1,432,494	2,905,251	1,472,757
Ontario.....	11	4,059,847	842	874,962	1,429,932	2,874,962	1,445,030
Other provinces.....	5	21,058	19	18,881	2,562	30,289	27,727
1926							
Canada.....	17	4,037,183	828	843,035	1,515,052	3,152,800	1,637,748
Ontario.....	12	4,008,859	809	824,937	1,512,698	3,122,559	1,609,861
Other provinces.....	5	28,324	19	18,098	2,354	30,241	27,887
1927							
Canada.....	18	4,343,572	948	1,020,448	1,692,111	4,015,339	2,323,228
Ontario.....	12	4,325,227	929	1,000,309	1,689,637	3,979,321	2,289,684
Other provinces.....	6	18,345	19	20,139	2,474	36,018	33,544
1928							
Canada.....	22	6,072,610	1,137	1,296,804	2,370,903	5,009,240	2,638,337
Ontario.....	16	6,010,744	1,097	1,264,797	2,350,327	4,925,141	2,574,814
Other provinces.....	6	61,866	40	32,007	20,576	84,099	63,523
1929							
Canada.....	22	6,446,734	1,293	1,463,685	2,559,680	5,434,555	2,874,875
Ontario.....	16	6,376,335	1,259	1,429,596	2,539,679	5,354,104	2,814,425
Other provinces.....	6	70,399	34	34,089	20,001	80,451	60,450
1930							
Canada.....	19	6,628,481	1,170	1,292,719	1,955,945	4,801,066	2,845,121
Ontario.....	14	6,556,788	1,141	1,265,696	1,938,069	4,730,389	2,792,320
Other provinces.....	5	71,693	29	27,023	17,876	70,677	52,801



SECTION III.- CARPETS, MATS AND RUGS

Production

The quantity and value of the principal items produced in the carpet factories of the Dominion are shown by provinces in Table 2. 98.5 per cent of the total value of production belongs to the province of Ontario. Carpets and squares contributed 91.4 per cent of the total value of output, cocoa and jute mats, etc. 5 per cent, and all other products 3.6 per cent.

Table 2.- Production of Carpets, Mats and Rugs, 1930.

Articles manufactured		CANADA		ONTARIO		Other Provinces
		Quantity	Value	Quantity	Value	Value only
			\$		\$	\$
Carpets and Squares:-						
Amminster	Lineal yds.	674,910	1,436,549	674,910	1,436,549	-
"	Squares No.	106,222	438,971	106,222	438,971	-
Wilson	Lineal yds.	501,438	1,743,031	501,438	1,743,031	-
"	Squares No.	40,833	395,741	40,833	395,741	-
Brussels	Lineal yds.	32,467	29,504	32,467	29,504	-
Domestic Oriental	"	88,048	186,747	88,048	186,747	-
"	No.	2,698	12,390	2,698	12,390	-
Woollen & cotton rugs	No.	39,450	134,343	39,450	134,343	-
All others	Value only	-	12,726	-	6,067	6,659
Cocoa and Jute	" "	-	177,175	-	177,175	-
Mats and matting, etc.						
Furlap rug patterns	Doz.	9,159	43,047	-	-	43,047
Rugs made from old carpets		-	64,527	-	49,792	14,735
Cotton stockinette		-	69,000	-	69,000	-
All other products		-	20,200	-	15,389	4,811
Repairs		-	33,625	-	32,200	1,425
Miscellaneous		-	3,490	-	3,490	-
T O T A L		-	4,801,066	-	4,730,389	70,677

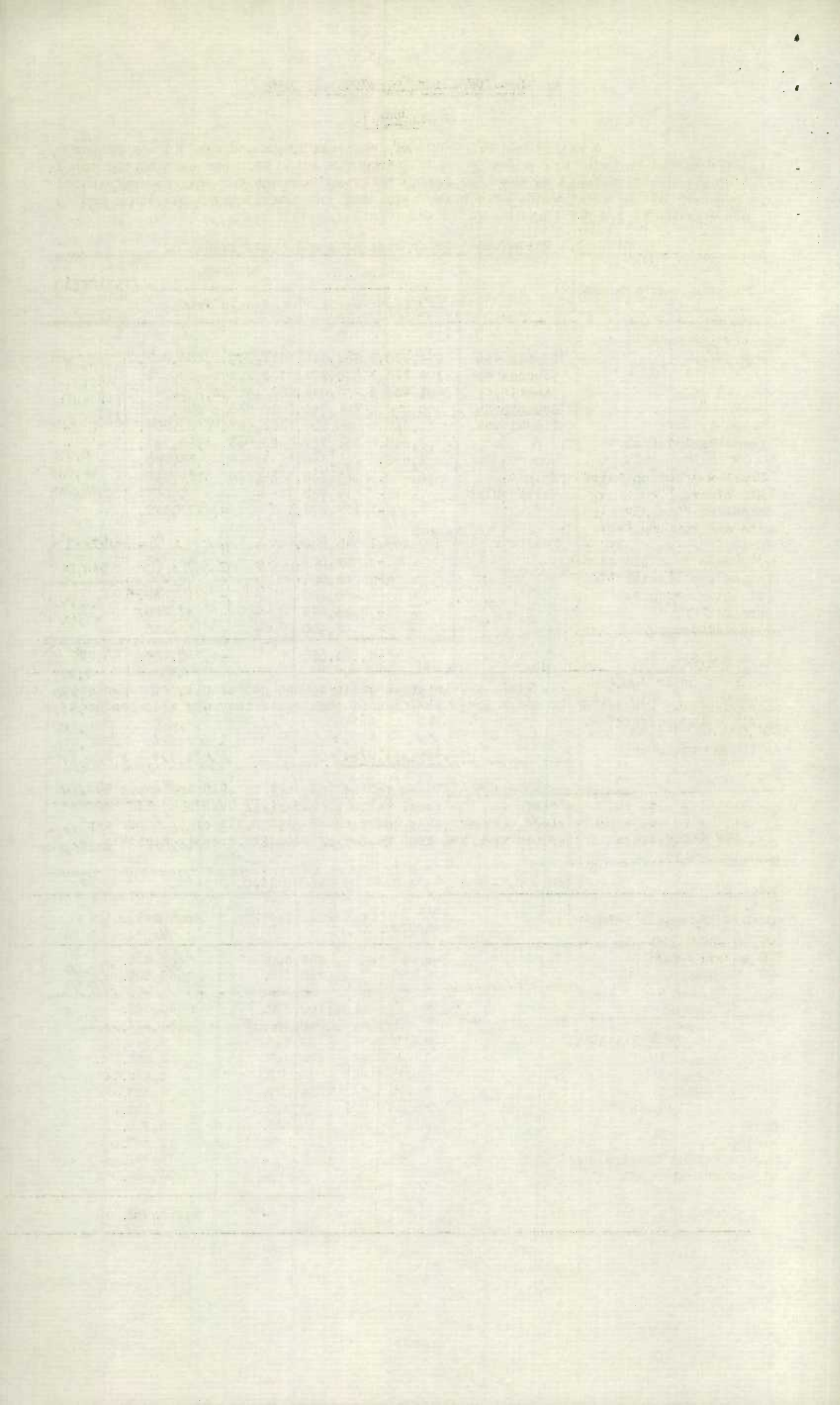
The figures given in the above table do not necessarily represent the total Canadian production of these articles since in some cases they are also produced in other industries.

Materials Used.

The principal materials used in the industry in 1930 are shown by quantity and cost value in Table 3. The total value of materials used amounted to \$1,955,945 of which woollen and worsted yarns constituted \$1,220,116 or 62.4 per cent. This value represents a decrease from the 1929 report of \$440,217 or approximately 28. per cent.

Table 3. - Materials Used by Kinds, 1930.

Kind of Materials Used		Unit of Measure	Quantity	Cost Value \$
Yarns:	Worsted	Pounds	458,800	339,616
	Woollen	"	1,715,616	880,500
	Linen	"	2,324	854
	Cotton	"	1,100,575	360,787
	Jute	"	1,290,200	186,924
	Artificial silk	"	7,843	5,696
	Coir	"	666,626	53,252
	Hemp	"	13,078	3,416
	Fibre	"	14,099	2,397
	All others	"	3,996	3,135
	Duck	Yards	18,343	8,719
Burlap		"	124,669	12,467
Dyestuffs and Chemicals			-	75,130
All other materials			-	23,052
T O T A L			-	1,955,945



SECTION III.- CARPETS, MATS AND RUGS.

Size of Establishments

In 1930 the number of establishments reporting was 19 with a total capital investment of \$6,628,481,- a gross value of production of \$4,801,066 and a total employment of 170. Three establishments had a capital investment of \$6,149,622 or 92.78 per cent of the total capitalization and an average investment of \$2,049,874 per establishment. Three firms had a total production of \$4,249,000, being 88.5 per cent of the total output and an average of \$1,416,333 per establishment. In employment 3 firms reported 985 persons on the payrolls or 84.19 per cent of the total employment, with an average employment per establishment of 328.

Table 4.- Size of Establishment in Carpet Factories, 1929-30

Capital invested	1 9 2 9			1 9 3 0		
	Estab- lish- ments	Total Capital	Average Capital per estab- lishment	Estab- lish- ment	Total Capital	Average Capital per estab- lishment
	No.	\$	\$	No.	\$	\$
Under 50,000	16	151,427	9,464	13	116,901	8,992
50,000 to under 100,000	2	184,430	92,215	1	84,026	84,026
100,000 to " 200,000	1	189,983	189,983	2	277,932	138,966
200,000 to " 500,000	-	-	-	-	-	-
500,000 to " 1,000,000	-	-	-	-	-	-
1,000,000 and over	3	5,920,894	1,973,631	3	6,149,622	2,049,874
T O T A L	22	6,446,734	293,033	19	6,628,481	348,867
Production	Estab- lish- ments	Total Value of Produc- tion	Average Value	Estab- lish- ments	Total Value of Produc- tion	Average Value
	No.	\$	\$	No.	\$	\$
Under 50,000	15	129,231	8,615	13	129,444	9,957
50,000 to under 100,000	2	114,609	57,305	1	51,390	51,390
100,000 to " 200,000	1	145,346	145,346	1	134,632	134,632
200,000 to " 500,000	1	227,000	227,000	1	236,600	236,600
500,000 to " 1,000,000	1	867,049	867,049	2	1,665,823	832,912
1,000,000 and over	2	3,951,320	1,975,660	1	2,583,177	2,583,177
T O T A L	22	5,434,555	247,025	19	4,801,066	252,688
Employees	Estab- lish- ments	Total Employees	Average Employees	Estab- lish- ments	Total Employees	Average Employees
	No.	No.	No.	No.	No.	No.
Under 20	16	84	5.25	13	67	5.15
20 to under 50	2	69	34.50	2	58	29.00
50 to under 100	1	62	62.00	1	60	60.00
100 to under 200	1	178	178.00	1	157	157.00
200 to under 500	1	305	305.00	1	295	295.00
500 and over	1	595	595.00	1	533	533.00
T O T A L	22	1,293	58.80	19	1,170	61.58

# STATE OF NEW YORK

## IN SENATE

REPORT OF THE COMMISSIONER OF THE LAND OFFICE  
 IN RESPONSE TO A RESOLUTION PASSED BY THE SENATE  
 APRIL 18, 1890  
 ALBANY: J. B. LIPPINCOTT & CO. PRINTERS.  
 1890.

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SECTION III.- CARPETS, MATS AND RUGS

Capital Investment

The capital investment in the carpet, mat and rug industry is shown by items and provinces in Table.5. The value of invested capital increased over 1929 by \$181,747 or 2.74 per cent. Ontario's proportion of the total investment was 98.9 per cent.

Table 5. - Capital Invested by Provinces, 1930.

Items of Capital	CANADA	ONTARIO	Other Provinces
	\$	\$	\$
Fixed Capital - Land, buildings, fixtures, machinery, etc.	2,913,306	2,873,740	39,566
Working Capital - Materials, supplies and stocks in hand, etc.	1,558,137	1,541,819	16,318
Cash, trading and operating accounts, etc.	2,157,038	2,141,229	15,809
TOTAL CAPITAL	6,628,481	6,556,788	71,693

Employment Statistics

Statistics relating to employment are shown in the following series of tables for the calendar year 1930:-

- (6) Employees, salaries and wages by provinces.
- (7) Employment by months.

The province of Ontario gave employment to 1,141 persons in a total of 1,170 for the Dominion or 97.5 per cent, while the amount paid for salaries and wages was 97.9 per cent of the total for the Dominion.

The average number of wage-earners employed in any industry is calculated on the actual number of months the mills were in operation and not on a basis of 12 calendar months.

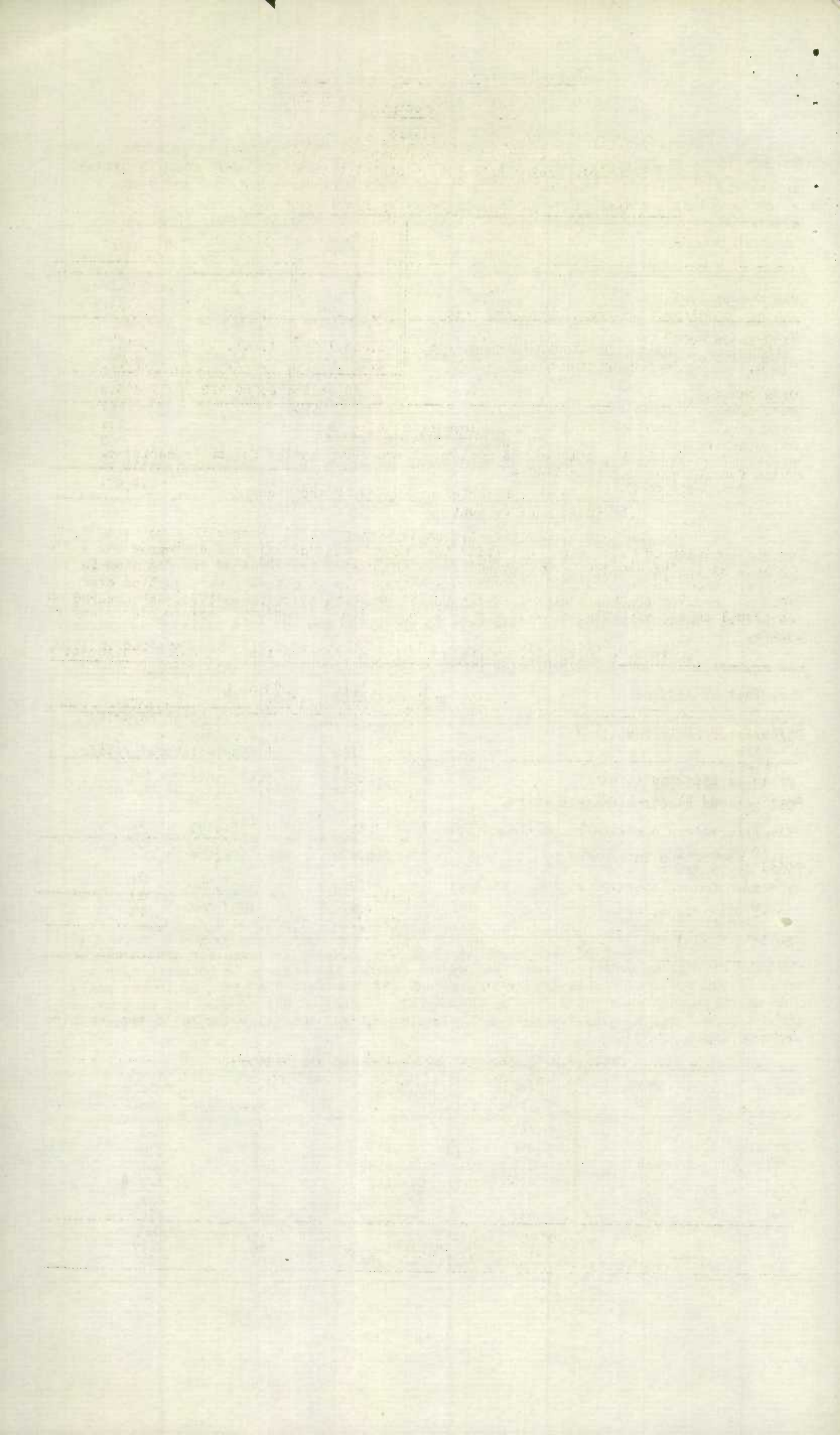
Table 6. - Employment by number, sex and remuneration in 1930, by provinces.

Employees by classes		CANADA	ONTARIO	Other Provinces
Employees on salaries				
Male	No.	158	152	6
Female	No.	44	43	1
Total Salaries	\$	442,024	429,357	12,667
Employees on wages, average number -				
Male	No.	601	589	12
Female	No.	367	357	10
Total wages	\$	850,695	836,339	14,356
Total employees -				
Male	No.	759	741	18
Female	No.	411	400	11
Salaries and wages	\$	1,292,719	1,265,696	27,023

The number of persons employed in the industry is shown for each month of the year divided according to sex. Employment reached its maximum in December with a total of 999 persons of whom 625 were males and 374 females. The month of lowest employment was September when there were on the payroll a total of 883 of whom 549 were males and 334 were females. The average monthly employment was 601 males and 367 females as shown in Table 7.

Table 7. - Employment by Months and Sex, 1930.

Months	Male No.	Female No.	Months	Male No.	Female No.
January	605	369	July	584	357
February	615	373	August	583	350
March	612	373	September	549	334
April	605	375	October	582	356
May	604	377	November	575	352
June	603	369	December	625	374
Total employment during the year				7,142	4,359
Average monthly employment during the year				601	367



### SECTION III.- CARPETS, MATS AND RUGS.

#### Fuel Consumption

The quantity and value of fuel consumed by the industry in 1930 is shown in Table 8 by classes. Compared with 1929 there was a decrease in the total cost of fuel which is mainly accounted for by the lower cost of bituminous coal. The cost of electricity purchased amounted to \$19,716 in 1930 as compared with \$20,741 in 1929.

Table 8. - Fuel Consumption by classes, 1930.

Classes of fuel	Unit of Measure	Quantity	Cost value at Factory
Bituminous coal	ton	10,387	57,941
Anthracite coal	"	36	474
Coke	"	11	120
Gasoline	gallon	138	59
Fuel oils	"	9,085	945
Gas, artificial and natural	-	-	114
All other fuels	-	-	502
Electricity	-	-	19,716
Total Cost of Fuel	-	-	79,871

#### Power Installation

The kinds of power installed in the carpet factories of the Dominion in 1930 are shown in Table 9. Electric motors operated by purchased power supplied over 78.9 per cent of the total manufacturing horse power installation in 1930, as compared with 77.1 per cent in 1929.

Sixteen boilers with a horse power capacity of 2,358 were reported in 1930, as against 16 boilers of 2,368 horse power in 1929.

Table 9. - Power Installation, 1930.

Classes of Power Installed	Number of Units	Horse power capacity according to manufacturers' rating
Steam engines and turbines	3	472
Oil gas and gasoline engines	1	3
Electric motors operated by purchased power	282	1,779
Total power used in manufacture	286	2,254
Electric motors operated by power owned	125	1,250
Total electric motors	407	4,033
Boilers installed	16	2,358

#### Equipment in Carpet, Mat and Rug Factories

The equipment reported in the carpet, mat and rug factories of the Dominion in 1930 was as follows:

Broad Looms (50 inches reed space or over)	45
Narrow Looms (under 50 inches reed space)	320
Other Looms	10
Coppers	4
Winders	2
Twisters	4
Knitting machines	26
Sewing machines	12

For imports and exports see pages 4 to 13 inclusive.



SECTION IV.- WOOLLEN GOODS, N. E. S.

The principal commodities comprising this section are (1) wool felts of all kinds, (2) wool stock, shoddy, (3) wool pulled, and (4) blankets and sweat pads.

This industry is third in importance in the woollen textile group. In 1930 it had a capital investment of \$8,476,055, it provided employment for 1,097 persons who received \$1,050,330 in salaries and wages and produced goods with a selling value of \$5,259,588.

Detailed statistics of production, capital, employment, etc. are given in the tables following.

Table 1.- Principal Statistics, 1922-1930.

Year	Estab- lish- ments	Capital	Em- ploy- ees	Salaries and Wages	Cost of Materials	Gross Value of Products	Value added by manu- facture
	No.	\$	No.	\$	\$	\$	\$
1922	35	6,458,146	940	952,345	2,027,729	4,331,468	2,303,739
1923	33	7,211,177	1,086	1,108,616	3,141,428	5,803,166	2,661,738
1924	31	7,977,444	1,024	1,029,269	3,163,939	5,773,042	2,609,103
1925	30	7,849,502	1,087	1,012,783	3,141,761	5,513,230	2,371,469
1926	28	7,994,200	1,080	978,244	2,947,112	5,738,462	2,791,350
1927							
Canada.....	24	7,758,050	1,113	1,111,957	2,939,986	5,934,369	2,994,383
Quebec.....	4	2,973,275	371	408,609	1,051,448	2,416,445	1,364,997
Ontario.....	17	4,686,274	708	681,039	1,695,458	3,284,349	1,588,891
Other provinces...	3	98,501	34	22,309	193,080	233,575	40,495
1928							
Canada.....	27	8,375,122	1,225	1,207,037	3,494,918	6,909,229	3,414,311
Quebec.....	5	3,132,133	417	413,361	1,177,793	2,558,620	1,330,927
Ontario.....	19	5,052,345	773	772,597	2,099,761	4,101,316	2,001,555
Other provinces...	3	190,644	35	21,079	217,364	249,293	51,929
1929							
Canada.....	26	8,680,289	1,141	1,178,738	3,348,836	6,476,608	3,127,772
Quebec.....	4	3,920,612	526	491,664	1,330,081	2,850,443	1,520,362
Ontario.....	19	4,597,719	582	662,430	1,852,352	3,457,612	1,605,260
Other provinces...	3	161,958	33	24,644	166,403	168,553	2,150
1930							
Canada.....	25	8,476,055	1,097	1,050,330	2,597,953	5,259,588	2,661,635
Quebec.....	4	3,893,537	503	428,265	1,007,268	2,314,536	1,307,268
Ontario.....	18	4,480,965	564	599,656	1,504,448	2,869,114	1,364,666
Other provinces...	3	101,553	30	22,409	86,237	75,938	10,299

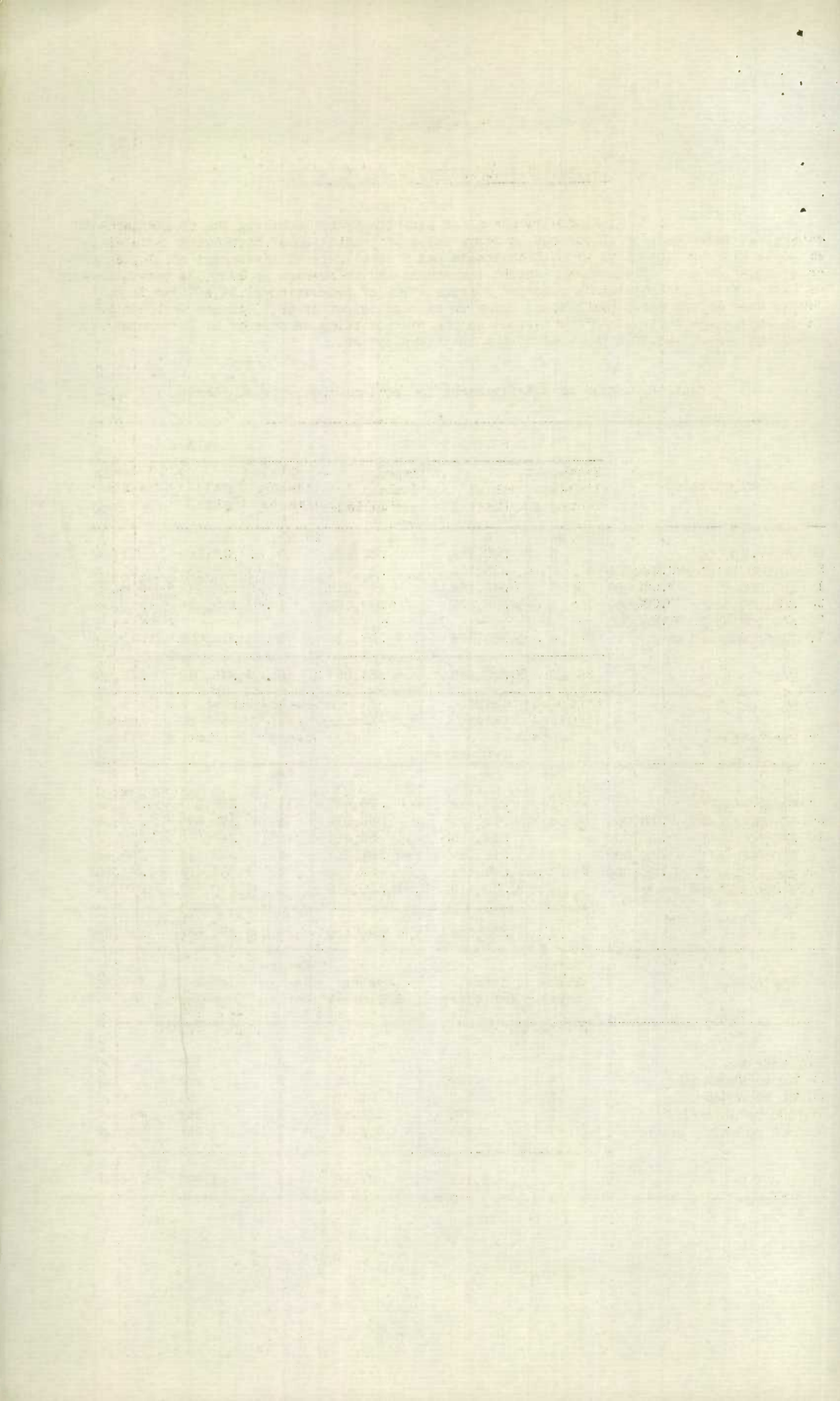


SECTION IV.- WOOLLEN GOODS, N. E. S.

In 1930 the number of establishments reporting was 25 with a total capital investment of \$8,476,055, a gross value of production of \$5,259,588 and a total employment of 1,097. Eight establishments had a total capital investment of \$7,668,184 or 90.5 per cent of the total capital investment and an average of \$958,523 per establishment. Seven establishments reported a gross value of production of \$4,487,793 or 85.3 per cent of the total production, being an average output of \$641,113 per establishment. In employment 9 firms had 777 persons on the payroll being an average of 86 persons per establishment and 70.8 per cent of the total employment.

Table 2. - Size of Establishment in Woollen Goods, n.e.s. plants.

Capital invested	1 9 2 9			1 9 3 0		
	Estab- lish- ments	Total Capital	Average Capital per establish- ment	Estab- lish- ments	Total Capital	Average Capital per establish- ment
	No.	\$	\$	No.	\$	\$
Under 50,000	9	200,953	22,328	10	217,269	21,727
50,000 to under 100,000	7	473,735	67,677	5	305,831	61,166
100,000 to " 200,000	3	443,474	147,825	2	284,771	142,385
200,000 to " 500,000	4	1,258,529	314,632	5	1,455,125	291,025
500,000 to " 1,000,000	-	-	-	-	-	-
1,000,000 and over	3	6,303,598	2,101,199	3	6,213,059	2,071,019
T O T A L	26	8,680,289	333,857	25	8,476,055	339,042
Production	Estab- lish- ments	Total Value of Production	Average Value	Estab- lish- ments	Total Value of Production	Average Value
	No.	\$	\$	No.	\$	\$
Under 50,000	9	237,846	26,427	11	228,821	20,802
50,000 to under 100,000	6	372,117	62,019	4	195,896	48,974
100,000 to " 200,000	4	541,778	135,444	3	347,078	115,693
200,000 to " 500,000	4	1,218,987	304,747	4	933,641	233,410
500,000 to " 1,000,000	2	1,595,461	797,730	2	1,483,405	741,702
1,000,000 and over	1	2,510,419	2,510,419	1	2,070,747	2,070,747
T O T A L	26	6,476,608	249,100	25	5,259,588	210,383
Employees	Estab- lish- ments	Total Employees	Average Employees	Estab- lish- ments	Total Employees	Average Employees
	No.			No.		
Under 20	17	148	8.71	16	137	8.6
20 to under 50	4	129	32.25	5	183	36.6
50 to under 100	2	117	58.50	1	54	54.0
100 to under 200	2	273	136.50	2	268	134.0
200 to under 500	1	474	474.00	1	455	455.0
T O T A L	26	1,141	43.90	25	1,097	43.9



# SECTION IV. - WOOLLEN GOODS, N.E.S.

## Production, 1930

Table 3. presents statistics of production by quantity and value within provinces for the calendar year 1930. Of the total value of output the province of Ontario contributed \$2,869,114 or 54.5 per cent followed by Quebec with 44.0 per cent, whilst the remaining provinces produced 1.5 per cent. The item of production showing the greatest value was pulp and paper maker's felts amounting to \$2,937,661 or nearly 56 per cent of the total production.

Table 3.-Production in Woollen Goods Mills, n.e.s., by Provinces, 1930

Articles Manufactured		CANADA		ONTARIO		QUEBEC		OTHER PROVINCES	
		Quantity	Value	Quantity	Value	Quantity	Value	Quantity	Value
Felt Goods -									
Hair felt	Pounds	315,083	56,803	315,083	56,803	-	-	-	-
Shoe felt	Yards	177,962	105,782	177,962	105,782	-	-	-	-
"	Pounds	153,355	47,640	153,355	47,640	-	-	-	-
Trimming and lining felt	Yards	53,500	36,111	53,500	36,111	-	-	-	-
"	Pounds	37,423	36,348	37,423	36,348	-	-	-	-
Padding felt	Yards	273,504	78,074	273,504	78,074	-	-	-	-
"	Pounds	146,680	70,854	146,680	70,854	-	-	-	-
Harness felt	"	175,999	70,889	175,999	70,889	-	-	-	-
Wool and cotton felt for pulp and paper making	"	2,435,536	2,937,661	652,382	1,158,717	1,783,154	1,778,944	-	-
Insole felt	"	16,150	6,115	16,150	6,115	-	-	-	-
All other felt goods	Value	-	47,904	-	47,904	-	-	-	-
Blankets, all wool	Pounds	459,024	520,298	213,500	262,498	245,524	257,800	-	-
Afghans, slumber throws, etc.	"	20,879	27,343	20,879	27,343	-	-	-	-
Bath robes	"	8,922	30,969	8,922	30,969	-	-	-	-
Imitation Buffalo robes and rugs	Value	-	23,000	-	23,000	-	-	-	-
Shoddy, Mungo, and wool extract	Pounds	2,862,930	343,461	2,267,291	290,929	595,639	52,532	-	-
Batts, flocks and rolls	"	2,704,558	101,151	1,350,000	56,000	1,354,558	45,151	-	-
Woollen yarn	"	21,040	5,123	21,040	5,123	-	-	-	-
Pulled wool	"	834,891	190,094	476,101	131,465	23,500	3,525	335,290	55,104
Pickled sheep and lamb skins	Dozen	25,656	118,667	15,868	95,833	560	2,000	9,228	20,834
Box toes for shoes	Pairs	5,350,964	137,185	-	-	5,350,965	137,185	-	-
Insoles	Gross	5,773	43,955	5,773	43,955	-	-	-	-
Weatherstripping	Value	-	37,862	-	37,862	-	-	-	-
Cotton rope	Pounds	54,250	33,092	-	-	54,250	33,092	-	-
Cotton cloth dyed	Value	-	93,579	-	93,579	-	-	-	-
All other products	Value	-	16,862	-	12,555	-	4,307	-	-
Received for custom work, etc.	"	-	42,766	-	42,766	-	-	-	-
TOTAL		-	5,259,588	-	2,869,114	-	2,314,536	-	75,938

The figures given in the above table do not necessarily represent the total Canadian production of these articles since in some cases they are also produced in other industries.



SECTION IV.- WOOLLEN GOODS, N. E. S.

Materials Used

Table 4 gives the quantity and cost value at the mill or factory of principal materials used in this section of the woollen textile industry in 1930. The total cost of materials shows a decrease of \$750,883 under the preceding year.

Table 4. - Materials Used, 1930.

Kind	Unit of Measure	Quantity	Cost Value at the Factory
Domestic Wool in condition purchased:			
Grease	Pound	108,496	18,400
Pulled or slipped	"	179,296	43,185
Scoured	"	215,246	84,889
Foreign Wool in condition purchased:			
Grease	"	2,043,448	622,897
Pulled or slipped	"	208,700	53,700
Scoured	"	698,397	334,900
Pelts	No.	814,969	287,347
Alpaca, vicuna, camel and other animal hair	Value	-	37,396
Cotton, raw	Pounds	1,943,503	91,904
" cloth	Value	-	74,108
" yarn	Pounds	1,241,148	384,756
Jute	Yards	201,337	9,234
Hessian	Value	-	33,402
Imitation Buffalo cloth	Sq.yds.	3,450	6,300
Astrakhan cloth	" "	3,700	4,900
Rags, clippings, etc.	Pounds	3,781,414	242,343
Wool waste and shoddy	"	549,788	44,634
Noils of wool	"	2,600	1,050
Felt stock and trimming	Value	-	52,334
Silk ribbon and cord	"	-	33,539
Dyestuffs and chemicals	"	-	49,445
Oils, soaps, salt, etc.	"	-	68,717
All other materials	"	-	18,573
TOTAL	-	-	2,597,953

Equipment in Textile Mills, n.e.s.

The equipment in mills for the manufacture of the various classes of goods made in this section of the woollen textile industry is presented in Table 5.

Table 5.-Equipment in Woollen Textile Mills, N.E.S., 1930.

Kind		Woollen	Cotton	Shoddy	Total
Sets of cards	No.	45	4	29	78
Spindles					
Mule spinning spindles	No.	3,252	-	-	6,252
Frame spinning spindles	No.	696	-	-	696
Doubling and twisting spindles	No.	256	1,060	-	1,316
Broad looms (50 inches reed space or over)	No.	133	15	1	149
Pickers	No.	42	-	-	42
Garnet machines	No.	3	-	-	3
Dusters	No.	1	-	-	1

Capital Investment

The amount of capital invested in this section of the woollen textile industry is shown by provinces in Table 6. It is also presented under two heads:- Fixed Capital and working capital, the first of which includes land, buildings, fixtures, machinery and tools, and the second materials and stocks on hand, fuel and miscellaneous supplies on hand and cash, trading and operating accounts, and bills receivable. The investment in 1930 shows a decrease in total of \$204,234. 52.9 per cent of the total investment is credited to the province of Ontario, 45.9 per cent to Quebec and 1.2 per cent to the other provinces.

Table 6. - Capital Investment by Provinces, 1930.

Province	Fixed Capital		Working Capital		Total Capital
	Land, buildings, machinery tools	Materials and supplies on hand	Cash, trading and operating accounts, etc.		
CANADA	\$ 6,024,472	\$ 1,366,149	\$ 1,085,434		\$ 8,476,055
Ontario	2,937,594	756,176	787,195		4,480,965
Quebec	3,056,240	560,568	276,729		3,893,537
Other Provinces 1/	30,638	49,405	21,510		101,553

1/ Includes Nova Scotia, New Brunswick and British Columbia.



SECTION IV.- WOOLLEN GOODS, N.E.S.

Employment Statistics

Statistics of employment are presented in a series of Tables for the calendar year 1930 as follows:-

Table 7. Employees by number, sex and remuneration.

Table 8. Employees by months and sex.

The number of persons employed as per payroll is shown by sex and remuneration in Table 7. The number employed fell from 1,141, (876 males and 265 females) in 1929 to 1,097 (822 males and 275 females) in 1930. Salaries decreased by \$43,667 and wages by \$84,741. The province of Ontario supplied 51.4 per cent of the total employees and paid 57.1 per cent of the total of salaries and wages.

The average number of wage-earners employed in any industry is calculated on the actual number of months the mills were in operation and not on a basis of 12 calendar months.

Table 7. - Employees, Salaries and Wages, by Provinces, 1930.

Classes of Employees		CANADA	Ontario	Quebec	Other Provinces
Salaried employees -					
Male	No.	76	45	28	3
Female	No.	22	18	4	-
Total Salaries	\$	234,306	150,269	79,727	4,310
Employees on wages -					
Male	No.	746	373	346	27
Female	No.	253	128	125	-
Total Wages	\$	816,024	449,387	348,538	18,099
Total Employees -					
Male	No.	822	418	374	30
Female	No.	275	146	129	-
Salaries and Wages	\$	1,050,330	599,656	428,265	22,409

The number of wage-earners employed in this section by months and sex is shown in Table 8. Employment was at the maximum in the month of January when 1,059 individuals were entered on the payroll and the minimum in the month of December when the number on the payroll was 927. The average monthly employment during the year was 999 of whom 746 were males and 253 were females.

Table 8. - Employment of Wage-earners, by Months and Sex, 1930.

Months	Male	Female	Months	Male	Female
January	784	275	July	721	252
February	764	275	August	737	249
March	737	256	September	754	248
April	699	256	October	746	240
May	715	267	November	728	226
June	713	267	December	703	224
Total employment during the year				8,801	3,035
Average monthly employment throughout year				746	253



SECTION IV. - WOOLLEN GOODS, N. E. S.

Fuel Consumption

The quantity and cost value at the mill of the fuel consumed in this section are given in Table 9, for the calendar year 1930. Coal of all kinds constituted over 99 per cent of the total cost of fuel. The cost of electricity purchased amounted to \$28,378 in 1930 as compared with an expenditure of \$29,769 in 1929.

Table 9. - Fuel Consumption, by Classes, 1930.

Classes of Fuel	Unit of Measure	Quantity	Cost Value at Mill
Bituminous Coal (Including screenings)	ton	9,818	63,718
Slack	"	1,031	5,568
Coke	"	5	59
Oil (fuel)	gal.	18,000	762
Gas - Manufactured	M cu. ft.	17	18
Natural	"	200	119
Electricity	-	-	28,378
Total Cost, fuel and electricity	-	-	98,622

Power Installation.

The installation of power by classes and horse power as rated by the manufacturer, is presented in Table 10, for the calendar year 1930. The installed H.P. capacity is practically the same as in 1929 when the capacity was 6,812 H.P.

Table 10 - Power installed in the Woollen Goods Industry, N.E.S. - 1930.

Classes of Power	Number of Units	Horse power according to manufacturers' rating
Steam engines and turbines	5	170
Oil, gas and gasoline engines	2	169
Hydraulic turbines or water wheels	8	3,921
Electric motors operated by purchased power	231	2,542
Total power for manufacturing purposes	246	6,802
Electric motors operated by power generated by the establishment	217	1,751
Total electric motors	448	4,293
Boilers installed	18	1,405

Imports and Exports.

Statistics relating to imports for consumption and to exports of Canadian produce for the calendar year are not sufficiently indicated in the trade classification to permit of tabulation, but the values of such are included under total imports of wool and its products on pages 4 to 11 and total exports on pages 12 and 13 of this report.



A P P E N D I X

Firms Manufacturing Woollen Cloths

NOVA SCOTIA

Oxford Manufacturing Co. Ltd.

Oxford

NEW BRUNSWICK

J. A. Humphrey & Son, Ltd.

Box 366, Moncton

QUEBEC

Fred Blanchette (Trenholmvile Woollen Mills)

R. R. #1, Trenholmvile.

✓ Joseph Blanchette

R. R. #1, South Durham.

✓ Methot & Frere

Cap St. Ignace.

✓ Paton Manufacturing Co. Ltd.

7 Belvidere St., Sherbrooke.

✓ Warwick Woollen Mills, Ltd.

Warwick.

✓ Napoleon Paquin

St. Gabriel de Brandon.

✓ Produits Agricoles Ltd., (Eugene Gagne)

Metabetchouan.

✓ Saguenay Spinners Ltd.

Chicoutimi

✓ Collins & Aikmain of Canada Ltd.

Farnham

✓ Thurso Flour and Woollen Mills

Thurso

✓ Hiram Leach & Son(Canada) Ltd.

Huntingdon.

ONTARIO

✓ Senior Worsted Mfg. Co.

Milton.

✓ Renfrew Woollen Mills

Renfrew.

✓ F. E. Cleroux

Clarence Creek.

✓ Bancroft Woollen Mills (D. Fuller)

Bancroft.

✓ The Barrymore Cloth Co. Ltd.

1179 King St. West, Toronto.

✓ Bird Woollen Mill Co. Ltd.

Bracebridge.

✓ Tayside Textiles, Ltd.

Perth.

✓ The Brook Woollen Co. of Simcoe, Ltd.

Victoria St., Simcoe.

✓ Duncan Butler

Strathroy.

✓ Campbellford Cloth Co. Ltd.

Campbellford.

✓ Dominion Woollens & Worsteds Ltd. (Auburn Mills)

Peterborough.

✓ Flesherton Woollen Mill, (John Nuhn)

Flesherton.

✓ Dominion Woollens and Worsteds Ltd.

Hespeler.

✓ J. W. Gledhill

Ben Miller, (R.R.#4, Goderich).

✓ Glen Woollen Mills, Ltd.

Glen Williams.

✓ The Horr Bros. Woollen Co. Ltd.

95 William St. N., Lindsay.

✓ S. B. Lehman & Sons

R. R. #1, Unionville.

✓ A. Bradshaw & Son, Ltd.

507 College Avenue, Toronto 3.

✓ Northern Textiles, Ltd.

P. O. Box # 159, Chesley.

✓ The Oriental Textiles Co. Ltd.

131 Athol Street East, Oshawa.

✓ The Paris Wincey Mills Co. Ltd.

Paris.

✓ Geo. Pattison & Co. Ltd.

Eagle Street, Preston.

✓ Renfrew Textiles, Ltd.

Renfrew.

✓ Rosamond Woollen Co. Ltd.

Almonte.

✓ The Slingsby Manufacturing Co. Ltd.

266 West Mill Street, Brantford.

✓ Dupont Textiles, Ltd.

Christie & Dupont Streets, Toronto 4.

✓ William Thoburn (Thoburn Woollen Mills)

Almonte

✓ Weber Woollen Mills

R. R. #1, Preston.

✓ Watchorn & Co. Ltd.

Merrickville.

✓ La France Plushes Ltd.

Woodstock.

✓ The Lockwood Mfg. Co. Ltd.

80 Nelson St., Toronto.

✓ Ranile Bros. (Meaford Woollen Mills)

Meaford.

BRITISH COLUMBIA

The West Coast Woollen Mills, Ltd.

440 Clark Drive, Vancouver,

Firms Manufacturing Woollen Yarn.

NOVA SCOTIA

Jas Greelman & Sons

Newton Mills

A. M. Macpherson

Rocklin (R.R.#1, Lansdowne)

Barrington Woollen Mills

Main St., Barrington, N.S.

NEW BRUNSWICK

Briggs and Little

York Mills.

Carleton County Woollen Mills

239 Main Street, Woodstock.

Speedy & Davidson

King St., St. Stephen.

Golden Grove Woollen Mills

Golden Grove.

F. H. Copp, Ltd.

Port Elgin, N.B.



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Firms Manufacturing Woollen Yarn - Cont'd.

QUEBEC

Penman's Limited, (Mill #8)

St. Hyacinthe

ONTARIO

✓ Madoc Woollen Mills  
✓ A. M. Eastwood  
✓ Aked & Co. Ltd., (Operated by Patons and  
Baldwins Limited)  
✓ Dominion Woollens and Worsteds Limited  
✓ Dunnville Woollen Mills, Limited - Dunnville  
✓ Knitters Limited  
✓ James P. Gordon  
✓ Guelph Carpet & Worsted Spinning Mills, Ltd.  
✓ H. C. Wagner  
✓ Dominion Woollens and Worsteds Ltd.  
✓ Penman's Limited (Mill #9)  
✓ Penman's Limited (Mill #12)  
✓ Newlands and Co. Ltd.  
✓ Dominion Woollens and Worsteds Ltd.  
✓ Burritts Rapids Woollen Mills Ltd.

Madoc.  
Baltimore.  
888 Dupont Street, Toronto.  
Peterborough.  
H.O. 388 St. James St., Montreal.  
Rink Street, Peterborough  
Athens.  
83 Neeve Street, Guelph.  
(Carpets and Yarns)  
Newton.  
Milton.  
Paris.  
Waterford.  
Galt.  
Orillia.  
Burritts Rapids

MANITOBA

Fairfield and Sons

Little Brittain.

BRITISH COLUMBIA

B. C. Worsted Mills, Limited.

25 Montreal Street, Victoria.

Firms Manufacturing Carpets, Mats and Rugs.

NOVA SCOTIA

John E. Garret Ltd.

Kempt Street, New Glasgow.

NEW BRUNSWICK

Maritime Rug Works, Ltd.

370 Main Street, Saint John.

ONTARIO

✓ Ontario Rug Works  
✓ W. E. Eaton  
✓ Harding Carpets Ltd.  
✓ Canada Rug Co. (W. C. P. Baldwin)  
✓ Hamilton Rug Works (Allan Brass)  
✓ Therien and Company, Ltd.  
✓ Veteran Rug Weaving Co.  
✓ Brinton Peterboro Carpet Co. Ltd.  
✓ Cobourg Matting & Carpet Co. Ltd.  
✓ Empire Rug Mills  
✓ Donald McKinnon  
✓ The Toronto Carpet Manufacturing Co. Ltd.  
United Rug Weaving Co.  
Community Rug Co.

153 York Street, Hamilton.  
128 Union St., Preston.  
Brantford.  
98 Carling St., London.  
171 York Street, Hamilton.  
374 St. Andrew Street, Ottawa.  
1201 A. Queen Street E., Toronto.  
Box 1065, Peterborough.  
Cobourg.  
#1 Frank Street, St. Catharines  
Box #284, Cobourg.  
1179 King St. West, Toronto.  
125 Ewart Avenue, Toronto 9.  
15 Niagara, Brantford.

MANITOBA

Capital Carpet Co.

545 Arlington Street, Winnipeg.

ALBERTA

Calgary Carpet & Rug Mfrs. (D. A. Stoddart)

Rear 919-17th Ave. W., Calgary.

BRITISH COLUMBIA

Vancouver Fluff Rug Co. (Fred'k. S. Lockett)

806 West 17th Ave., Vancouver.



Firms Manufacturing Woollen Goods, n. e. s.

NOVA SCOTIA

Consolidated Rendering Co.

Windsor

Wool pulling

NEW BRUNSWICK

John Kimble & Son, Ltd.

1-15 Kimball St.,  
Saint John

Wool Pulling

QUEBEC

Geo. E. Jackson  
Beckwith Box Toe, Ltd.

81 Duke St., Montreal  
66 E. Belvidere St.,  
Sherbrooke

Wool Pulling

Ayers, Ltd.  
Montreal Blanket Co.

Lachute Mills  
5296 St. Patrick St.,  
Montreal

Wool felt goods  
Wool felt goods

Shoddy

ONTARIO

Hoffman Bros. Ltd.  
E. Leadley & Co.

53 Trinity St., Toronto  
896 Queen St. W.,

Wool Pulling

Toronto Wool Scouring Co.  
Canadian Consolidated Felt Co. Ltd.

Toronto  
2 Mark St., Toronto  
84 Margaret Ave.,  
Kitchener

Wool Pulling

Kenwood Mills Ltd.  
Code Felt & Knitting Co. Ltd.  
The Rumpel Felt Co. Ltd.

Arnprior  
Perth  
60 Victoria Street,  
Kitchener

Wool felt goods  
Wool felt goods  
Wool felt goods

Porrits & Spencer (Canada) Ltd.

Lottridge St.,  
Hamilton

Wool felt goods

Brantford Mill Stock Co.

31 Jarvis St.,  
Brantford

Wool felt goods

Empire Wool Stock Co.

51 Stuart St. West,  
Hamilton

Shoddy

General Wool Stock Co.

121 Logan Ave.,  
Toronto 8.

Shoddy

Home Wool Stock Co.  
Otto Homuth & Sons Ltd.  
Simcoe Wool Stock Co. (H. J. Brock)  
The Smith Mfg. Co. Ltd.

9 Foster Place, Toronto  
Preston  
Simcoe  
201 Front St. E.,  
Toronto

Shoddy  
Shoddy  
Shoddy  
Shoddy

Yorkshire Wool Stock Mills, Ltd.  
Burlington Windsor Blanket Co. Ltd.

Almonte  
793 King St. West,  
Toronto

Shoddy  
Shoddy  
Weatherstripping  
and innersoles  
Shoddy

Cotton Felts, Ltd.  
Woolston Limited

159 Walnut, Toronto  
482 Wellington St. W.  
Toronto

Shoddy

The Robe & Clothing Co., Ltd.

40 Ontario St. S.  
Kitchener

Imitation Buffalo  
robes

BRITISH COLUMBIA

Bissinger and Co.

365 Second Ave. W.,  
Vancouver

Wool pulling

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