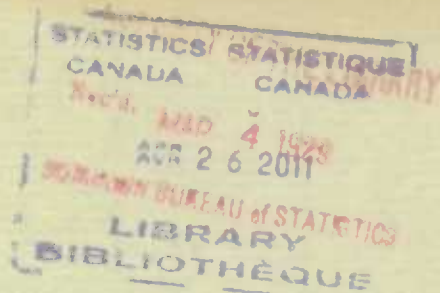


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C A N A D A
DEPARTMENT OF TRADE AND COMMERCE
DOMINION BUREAU OF STATISTICS
CENSUS OF INDUSTRY

REPORT
on the
OILED & WATERPROOF CLOTHING INDUSTRY
i.
CANADA
1927

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Published by Authority of the Hon. James Malcolm, M.P.,
Minister of Trade and Commerce

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OTTAWA

1929

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NOTE.- The statistics published in the present statement include only the statistics of such manufacturing establishments as make Oiled & Waterproof Clothing as their principal product. The statistics relating to specific products are therefore not to be regarded as comprehensive, as products like Oiled & Waterproof Clothing are also found as secondary products of the Rubber goods industry.

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

Dominion Statistician: R. H. Coats, B.A., F.S.S. (Hon.), F.R.S.C.
Chief, Census of Industry: J. C. Macpherson

OILED AND WATERPROOF CLOTHING INDUSTRY IN CANADA, 1927.

Ottawa, February, 1929.- A report is herewith presented on the oiled and waterproof clothing industry in Canada during the calendar year 1927. Reports were received from 16 establishments and were located by provinces as follows:- Quebec 9, Nova Scotia 4, Ontario 3.

Principal Statistics

A summary of the principal statistics of the industry is given by provinces in table 1.

Table 1.- Principal statistics, by provinces, 1927.

		CANADA	Quebec	Nova Scotia	Ontario
Establishments	No.	16	9	4	3
Capital	\$	1,168,207	499,969	79,368	588,870
Employees on salaries -					
Male	No.	40	27	3	10
Female	No.	17	8	1	8
Salaries	\$	108,294	65,375	6,688	36,231
Employees on wages (average No.)					
Male	No.	117	69	10	38
Female	No.	193	46	18	129
Wages	\$	212,994	122,437	12,415	78,142
Outside piece workers -					
Male	No.	4	3	1	-
Female	No.	13	2	11	-
Amount paid	\$	2,839	1,893	946	-
Cost of fuel and electricity	\$	9,089	2,101	1,191	5,797
Power employed -					
Units	No.	23	9	2	12
Capacity	H.P.	115	21	5	89
Cost of materials	\$	749,585	510,665	41,571	197,349
Gross value of products	\$	1,430,633	935,169	79,402	416,062
Net value of products	\$	681,048	424,504	37,831	218,713

Production

The quantity and value of the principal products of the industry is shown by provinces in Table 2 for the calendar year 1927. The total value of all products in 1926 was \$1,157,182 whilst the amount reported for the period covered by this report was \$1,430,633, an increase of \$273,451 or 23.6 per cent.

Table 2.- Production by provinces, 1927.

		CANADA		Quebec		Nova Scotia		Ontario	
		Quan.	Value	Quan.	Value	Quan.	Value	Quan.	Value
Waterproof clothing	Doz.	82,558	\$ 508,071	75,117	\$ 251,449	374	\$ 14,573	7,067	\$ 242,049
Oiled clothing	-	-	253,846	-	68,950	-	36,659	-	148,237
Raincoats, slickers and cloaks	-	-	110,000	-	110,000	-	-	-	-
Cloth coats, all kinds	No.	8,300	132,199	8,300	132,199	-	-	-	-
Waterproof duck	-	-	25,776	-	-	-	-	-	25,776
All other products	-	-	400,741	-	372,571	-	28,170	-	-
Total	-	-	1,430,633	-	935,169	-	79,402	-	416,062

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DEPARTMENT OF CHEMISTRY

RESEARCH REPORT

ON THE CHEMISTRY OF THE

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OILED AND WATERPROOF CLOTHING INDUSTRY IN CANADA, 1927
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 the oiled and waterproof clothing industry, measured by (a) capital investment, (b) gross value of production and (c) the number of persons employed, all within certain specified groups or limitations, for the calendar years 1926 and 1927. The tables further indicate the movement of capital, production and employment within the industry.

In 1926 the number of establishments reporting was 13 with a total capital investment of \$985,224, a gross value of production of \$1,157,182 and a total employment of 241. Six establishments had a capital investment of \$909,410 or 92.3 per cent of the total capital investment and an average investment per establishment of \$151,568.

Seven establishments had a gross value of production of \$1,124,585 or 97.2 per cent of the total value of production, and an average output per establishment of \$160,655. In employment 5 establishments had 196 persons on the pay-roll or 81.3 per cent of the total employment and an average of 39 per establishment.

In 1927 the number of establishments reporting was 16 with a total capital investment of \$1,168,207, a gross value of production of \$1,430,633 and a total employment of 367. Seven establishments had a capital investment of \$1,057,576 or 94.5 per cent of the total capital investment and an average investment per establishment of \$151,082.

Eight establishments had a gross value of production of \$1,252,633 or 87.5 per cent of the total value of production, and an average output per establishment of \$156,579. In employment 6 establishments had 295 persons on the pay-roll or 80.4 per cent of the total employment and an average of 49 per establishment.

	Capital					
	1927			1926		
	Estab- lish- ments	Capital invested	Average capital per estab- lishment	Estab- lish- ments	Capital invested	Average capital per estab- lishment
	No.	\$	\$	No.	\$	\$
Under \$50,000	11	110,631	10,057	7	75,814	10,830
\$50,000 to under \$100,000	4	284,804	71,201	4	273,022	68,255
\$100,000 to under \$200,000	1	155,320	155,320	-	-	-
\$200,000 to under \$500,000	2	617,452	308,726	2	636,388	318,194
Total	18	1,168,207	64,912	13	985,224	75,786

	Production					
	1927			1926		
	Estab- lish- ments	Gross value of production	Average value of production per estab- lishment	Estab- lish- ments	Gross value of production	Average value of production per estab- lishment
	No.	\$	\$	No.	\$	\$
Under \$50,000	10	178,000	17,800	6	32,597	5,433
\$50,000 to under \$100,000	3	221,303	73,768	3	192,197	64,066
\$100,000 to under \$200,000	3	470,555	156,852	2	273,717	136,858
\$200,000 to under \$500,000	2	560,775	280,387	2	658,671	329,335
Total	18	1,430,633	79,480	13	1,157,182	89,014

	Employees					
	1927			1926		
	Estab- lish- ments	Total employees	Average employees per estab- lishment	Estab- lish- ments	Total employees	Average employees per estab- lishment
	No.	No.	No.	No.	No.	No.
Under 20 employees	12	72	6	8	45	6
20 to under 50	5	154	31	4	117	29
50 to under 100	-	-	-	1	79	79
100 to under 200	1	141	141	-	-	-
Total	18	367	20	13	241	19

STATE OF NEW YORK
IN SENATE
January 1, 1902.

REPORT OF THE COMMISSIONERS OF THE LAND OFFICE
IN RESPONSE TO A RESOLUTION PASSED BY THE SENATE
MAY 1, 1899, AND A RESOLUTION PASSED BY THE SENATE
MAY 1, 1900, RELATIVE TO THE LANDS BELONGING TO THE STATE.

ALBANY: J. B. LIPPINCOTT & COMPANY, PRINTERS.
1902.

THE COMMISSIONERS OF THE LAND OFFICE HAVE THE HONOR TO ACKNOWLEDGE THE RECEIPT OF THE SENATE'S RESOLUTIONS OF MAY 1, 1899, AND MAY 1, 1900, AND TO STATE THAT THE SAME HAVE BEEN CAREFULLY CONSIDERED, AND THAT THE FOLLOWING REPORT IS HEREBY SUBMITTED THEREON.

THE LANDS BELONGING TO THE STATE ARE CLASSIFIED INTO TWO GENERAL CATEGORIES, TO-WIT: (1) LANDS BELONGING TO THE STATE BY ACQUISITION, AND (2) LANDS BELONGING TO THE STATE BY DONATION. THE TOTAL AREA OF THE LANDS BELONGING TO THE STATE IS 1,111,111 ACRES.

THE LANDS BELONGING TO THE STATE BY ACQUISITION ARE CLASSIFIED INTO THREE SUB-CATEGORIES, TO-WIT: (1) LANDS ACQUIRED BY THE STATE BY PURCHASE, (2) LANDS ACQUIRED BY THE STATE BY EXCHANGE, AND (3) LANDS ACQUIRED BY THE STATE BY CONDEMNATION. THE TOTAL AREA OF THE LANDS BELONGING TO THE STATE BY ACQUISITION IS 1,111,111 ACRES.

THE LANDS BELONGING TO THE STATE BY DONATION ARE CLASSIFIED INTO TWO SUB-CATEGORIES, TO-WIT: (1) LANDS DONATED TO THE STATE BY INDIVIDUALS, AND (2) LANDS DONATED TO THE STATE BY CORPORATIONS. THE TOTAL AREA OF THE LANDS BELONGING TO THE STATE BY DONATION IS 1,111,111 ACRES.

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OILED AND WATERPROOF CLOTHING INDUSTRY IN CANADA, 1927

Capital Investment

The amount of capital employed in the industry during the calendar year 1927 is given by provinces in Table 3. The total capitalization rose from \$985,224 in 1926 to \$1,168,207 in 1927, an increase of \$182,983 over the two year period. To the total capital investment the province of Ontario contributed \$588,870 or 50.4 per cent, whilst Quebec accounted for \$499,969 or 42.8 per cent, Nova Scotia being responsible for the balance of \$79,368 or 6.8 per cent.

Table 3. Capital employed by provinces, 1927.

Province	Fixed capital	Working capital		Total Capital
	Land, buildings, machinery and tools	Materials on hand, stocks in process, etc.	Cash, trading and operating accounts, etc.	
	\$	\$	\$	\$
CANADA	368,150	485,153	314,904	1,168,207
Ontario	233,369	295,720	59,781	588,870
Quebec	101,536	154,539	243,794	499,969
Nova Scotia	33,245	7,794	11,329	79,368

Employees, Salaries and Wages

The number of persons employed in the industry during the calendar year 1927 is given in Table 4, by (a) classes of employment, (b) sex and (c) salary and wage payments. The total number of employees rose from 241 in 1926 to 367 in 1927, an increase of 126. There was also a corresponding increase in the total payroll, the amount paid in 1926 being \$290,227, whilst the amount reported for 1927 was \$321,288 an increase of \$31,061 over the two year period.

Table 4. Employees, salaries and wages, 1927.

Classes of employment	Male	Female	Salaries and Wages
	No.	No.	\$
Employees on salaries	40	17	108,294
Employees on wages (average number)	117	193	212,994
Outside piece workers	4	13	2,839
Total	161	223	324,127

Other Employment Statistics

The number of days the factories were in operation during the calendar year 1927 together with the number of hours per day or shift and per week normally worked by wage-earners will be found in Table 5(a). The number of wage-earners employed during the same period is given by sex and by months in table 5(b). Employment reached its maximum in October with 356 whilst the minimum number reported was 253 in the month of January.

Table 5(a). Days in operation and hours worked, 1927.

Establishments reporting	16	
	Total	Average per establishment
Days in operation on full time	3,679	230.0
Days in operation on part time	805	50.3
Days idle	380	23.7
Hours worked by wage-earners per day or shift	3,763	8.7
Hours worked by wage-earners per week	743	46.4

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OILED AND WATERPROOF CLOTHING INDUSTRY IN CANADA, 1927

Other Employment Statistics - Cont'd.

Table 5(b). Wage-earners, by months, 1927.

Month	Male No.	Female No.	Month	Male No.	Female No.
January	106	148	July	107	199
February	100	151	August	113	215
March	116	173	September	130	225
April	118	191	October	127	229
May	118	185	November	98	190
June	121	200	December	109	173
Total				1,371	2,279
Average number employed during the year				117	193

The number and percentage of wage-earners in months of highest employment working specified hours per day is shown in Table 5(c) for Canada and the provinces. For the Dominion, the number working specified hours was distributed between the classes, the percentage working 8 hours being highest. In Ontario and Nova Scotia approximately 68 per cent of the employees worked 8 hours per day, whilst in Quebec 76.08 per cent worked 9 hours. Only 10.25 per cent of the wage-earners in the Dominion worked over 10 hours per day.

Table 5(c). Hours worked by wage-earners in month of highest employment, 1927.

Provinces	Wage-earners in month of highest employment working per day of				Percentage of wage-earners working per day of			
	8 hours or less	9 hours	10 hours	Over 10 hours	8 hours or less	9 hours	10 hours	Over 10 hours
	No.	No.	No.	No.	No.	No.	No.	No.
CANADA	215	141	29	44	50.12	32.87	6.76	10.25
Ontario	177	36	3	44	68.08	13.85	1.15	16.92
Quebec	17	105	16	-	12.32	76.08	11.60	-
Nova Scotia	21	-	10	-	67.74	-	32.26	-

The number of hours worked per day in the month of highest employment and the standard working hours per week are shown by provinces in table 5(d). It should be noted that whilst the statistics relating to hours of labour in columns 1, 2 and 3 are based on figures compiled for the month of highest employment, those in columns 4 and 5 represent the total and average of standard weekly hours of labour for the number of establishments reporting to the Bureau. For this reason the relation between daily and weekly hours of labour is to some extent impaired. The average daily hours of labour on the above basis was for the Dominion 8.7, whilst the average standard weekly hours worked out at 46.4 per plant.

Table 5(d). Hours of labour per day and per week, 1927.

Provinces	Total daily hours and number of wage-earners in month of highest employment			Standard working hours per week	
	Total hours	Total Wage- earners	Average hours per day per wage-earner	Total	Average
	No.	No.	No.	No.	No.
CANADA	3,763	429	8.7	743	46.4
Ontario	2,254	260	8.7	132	44.0
Quebec	1,241	138	8.9	435	48.3
Nova Scotia	268	31	8.6	176	44.0

OILED AND WATERPROOF CLOTHING INDUSTRY IN CANADA, 1927

Materials Used

The quantity and cost value of all materials used is given by provinces in table 6, for the calendar year 1927. The cost of materials in 1926 was \$606,680, whilst for the period covered by this report the amount was \$749,585 - an increase of \$142,905 over the two year period.

Table 6. Materials used by provinces, 1927.

Principal Materials		CANADA		Quebec	
		Quantity	Cost Value \$	Quantity	Cost Value \$
Grey cotton	yds.	480,099	60,363	-	-
Sheeting	"	270,000	90,000	-	-
Duck and denim	"	65,024	15,198	-	-
Cloth	"	22,694	62,441	22,694	62,441
Rubberized cloth	"	1,665,200	116,056	1,637,164	92,570
Cloth linings, trimmings, etc.	-	-	4,796	-	4,796
Linseed oil	gals.	15,398	14,621	-	-
Other oils, colours, etc.	-	-	13,044	-	6,000
Thread, buttons, buckles, and fasteners	-	-	15,708	-	1,100
All other materials	-	-	357,358	-	343,758
Total	-	-	749,585	-	510,665

Principal Materials		Ontario		Nova Scotia	
		Quantity	Cost Value \$	Quantity	Cost Value \$
Grey cotton	yds.	379,462	47,660	100,637	12,703
Sheeting	"	230,000	90,000	-	-
Duck and denim	"	6,689	1,398	58,335	13,300
Cloth	-	-	-	-	-
Rubberized cloth	yds.	14,583	17,500	13,453	5,986
Cloth linings, trimmings, etc.	-	-	-	-	-
Linseed oil	gals.	14,546	13,456	852	1,165
Other oils, colours, etc.	"	-	4,645	-	2,399
Thread, buttons, buckles and fasteners	-	-	9,489	-	5,119
All other materials	-	-	12,701	-	899
Total	-	-	197,349	-	41,571

Fuel Consumption

The quantity and cost value of all fuel consumed in the industry during the calendar year 1927 is shown in table 7. The total expenditure for all fuel and electricity fell from \$10,638 in 1926 to \$9,089 in 1927, a decrease of \$1,549. Bituminous coal again occupies the premier position with \$5,884, whilst anthracite coal follows next with \$975. The cost of electricity purchased was \$1,766 as compared with \$752 in 1926.

Table 7. Fuel consumption, 1927.

Kinds of fuel	Unit of measure	Quantity	Cost Value \$
Bituminous coal	ton	882	5,884
Anthracite coal	"	102	975
Wood	cord	1	5
Gas	m.c.ft.	187	159
Other fuel	-	-	300
Electricity	-	-	1,766
Total	-	-	9,089

OILED AND WATERPROOF CLOTHING INDUSTRY IN CANADA, 1927

Power Installation

The power installed in the industry during the calendar year 1927 is given in table 8 by (a) classes of power, (b) number of units in each class and (c) horse-power capacity according to manufacturers' rating.

Table 8. Power installation, 1927.

Classes of power	Number of units	Horse-power capacity
Steam engines and turbines	1	60
Electric motors operated by purchased power	17	48
Total power used in manufacturing	18	108
Electric motors operated by power generated at the factory	5	7
Total electric motors	22	55
Total power installation	23	115
Boilers installed	6	348

Imports and Exports

The value of the various kinds of oiled and waterproof clothing imported into Canada for consumption during the calendar year 1927 will be found in Table 9(a). The value of rubber clothing, the produce of Canada, exported during the same period is given in table 9(b).

Table 9(a). Imports by countries, 1927.

Articles imported	United Kingdom	United States	Other Countries
	\$	\$	\$
Clothing made waterproof with india rubber	124,967	309,153	48,341
Oiled clothing and oiled hats	35,442	34,048	34
Total	160,409	343,201	48,375

Table 9(b). Exports by countries, 1927.

Articles exported	United Kingdom	United States	Other Countries
	\$	\$	\$
Clothing, rubber, including waterproofed	2,378	2,266	19,520

OILED AND WATERPROOF CLOTHING INDUSTRY IN CANADA, 1927.

APPENDIX

Firms engaged in the manufacture of oiled and waterproof clothing

Name

Address

NOVA SCOTIA

J. F. Greaser Co. Ltd.
A. W. Hopkins
W. C. Nickerson
Edgar S. Wilson
Riverside Motor Co. Ltd.

La Have
Crowell's
Main St., Blarks Harbor
Crowell's
East La Have

QUEBEC

M. Cohen
Fels, Ltd.
Glasgow Rubber Co. of Canada
J. Gedeon Houde
Krakower Bros.
National Rubber Co. of Canada
W. Ardower & Co.
The Samit Rubber Co. (Chas. Samit)
Joseph & S. Rman
Supreme Raincoat Clothing Co.

4297 St. Lawrence Blvd. Montreal
92 Phillips Place Bldg., Montreal
530 St. Catherine St. E., Montreal
129 rue St. Dominique, Quebec
4152 St. Lawrence Blvd., Montreal
207 St. Catherine St. W., Montreal
149 St. Catherine E., Montreal
1416 St. Urbain St., Montreal
520 St. Lawrence Blvd., Montreal
209 Ste Catherine E., Montreal

ONTARIO

Scythes & Co. Ltd.
Toronto Waterproof Mfg. Co.
Tower Canadian, Ltd.

128 Sterling Road, Toronto
49 Simcoe St., Toronto 2
1149 King St. W., Toronto 2.

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