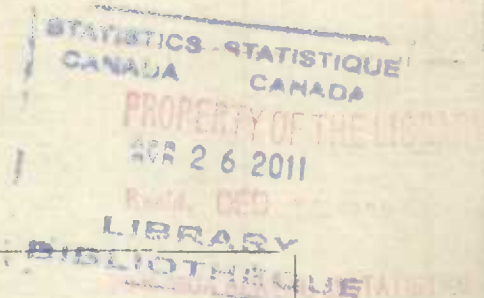


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CANADA
DEPARTMENT OF TRADE AND COMMERCE
DOMINION BUREAU OF STATISTICS
CENSUS OF INDUSTRY

REPORT
on the
OILED & WATERPROOF CLOTHING INDUSTRY
in
CANADA
1928

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

OTTAWA

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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. 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, 1928.

Ottawa, December, 1929.-- A report is herewith presented on the oiled and waterproof clothing industry in Canada during the calendar year 1928. Reports were received from 18 establishments and were located by provinces as follows:- Quebec 9, Nova Scotia 5, Ontario 4.

Principal Statistics

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

Table 1.-- Principal Statistics, by Provinces, 1928.

		CANADA	Quebec	Nova Scotia	Ontario
Establishments	No.	18	9	5	4
Capital	\$	1,238,488	474,039	86,807	677,642
Employees on salaries -					
Male	No.	39	24	3	12
Female	No.	19	9	1	9
Salaries	\$	123,415	63,166	6,554	53,695
Employees on wages (average No.)					
Male	No.	141	80	10	51
Female	No.	160	38	21	101
Wages	\$	303,199	151,000	16,093	136,106
Outside piece workers -					
Male	No.	2	1	1	-
Female	No.	11	-	11	-
Amount paid	\$	1,819	414	1,405	-
Cost of fuel and electricity	\$	12,488	1,671	1,175	9,642
Power employed -					
Units	No.	22	9	2	11
Capacity	H.P.	113	18	5	90
Cost of materials	\$	826,524	452,490	57,495	316,539
Gross value of products	\$	1,724,394	908,725	104,389	711,280
Net value of products	\$	897,870	456,235	46,894	394,741

Production

The quantity and value of the principal products of the industry is shown by provinces in Table 2 for the calendar year 1928. The total value of all products in 1927 was \$1,430,633, whilst the amount reported for the period covered by this report was \$1,724,394, and increase of \$293,761 or 20.53 per cent.

Table 2.-- Production by Provinces, 1928.

		CANADA		Quebec		Nova Scotia		Ontario	
		Quan.	Value	Quan.	Value	Quan.	Value	Quan.	Value
Waterproof clothing	No.	81,975	496,295	57,975	356,600	-	-	24,000	139,695
Oiled clothing	-	-	619,815	-	75,400	-	39,750	-	504,665
Raincoats, slickers and cloaks	-	-	269,254	-	227,829	-	40,131	-	1,294
Cloth coats, all kinds	No.	9,788	146,028	9,288	140,178	-	-	-	5,850
Waterproof duck	Yds.	86,140	45,654	-	-	-	-	86,140	45,654
All other products	\$	-	147,348	-	108,718	-	24,508	-	14,122
Total		-	1,724,394	-	908,725	-	104,389	-	711,280

OILED AND WATERPROOF CLOTHING INDUSTRY IN CANADA, 1928

Size of Establishment

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 1927 and 1928. The tables further indicate the movement of capital, production and employment within the industry.

In 1928 the number of establishments reporting was 18 with a total capital investment of \$1,238,488, a gross value of production of \$1,724,394 and a total employment of 359. Seven establishments had a capital investment of \$1,108,741 or 89.5 per cent of the total capital investment and an average investment per establishment of \$158,392.

Five establishments had a gross value of production of \$1,206,532 or 70 per cent of the total value of production, and an average output per establishment of \$241,306. In employment 6 establishments had 266 persons on the pay-roll or 74.1 per cent of the total employment and an average of 44 per establishment.

In 1927 the number of establishments reporting was 18 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			1928		
	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	11	129,747	11,795
\$50,000 to under \$100,000	4	284,804	71,201	4	294,904	73,726
\$100,000 to under \$200,000	1	155,320	155,320	2	370,318	185,159
\$200,000 to under \$500,000	2	617,452	308,726	1	443,519	443,519
Total	18	1,168,207	64,912	18	1,238,488	68,805
	Production					
	1927			1928		
	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	8	137,329	17,166
\$50,000 to under \$100,000	3	221,303	73,768	5	280,533	56,107
\$100,000 to under \$200,000	3	470,555	156,852	2	255,179	127,589
\$200,000 to under \$500,000	2	560,775	280,387	3	951,353	317,118
Total	18	1,430,633	79,480	18	1,724,394	95,799
	Employees					
	1927			1928		
	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	12	93	8
20 to under 50	5	154	31	5	153	31
50 to under 200	-	-	-	-	-	-
100 to under 200	1	141	141	1	113	113
Total	18	367	20	18	359	20

OILED AND WATERPROOF CLOTHING INDUSTRY IN CANADA, 1928.

Capital Investment

The amount of capital employed in the industry during the calendar year 1928 is given by provinces in Table 3. The total capitalization rose from \$1,168,207 in 1927 to \$1,238,488 in 1928, an increase of \$70,281 over the two year period. To the total capital investment the province of Ontario contributed \$677,642 or 54.7 per cent, whilst Quebec accounted for \$474,039 or 38.3 per cent, Nova Scotia being responsible for the balance of \$86,807 or 7.0 per cent.

Table 3.- Capital employed by provinces, 1928.

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	366,354	634,757	237,377	1,238,488
Ontario	242,617	359,371	75,654	677,642
Quebec	91,824	237,916	144,299	474,039
Nova Scotia	31,913	37,470	17,424	86,807

Employees, Salaries and Wages

The number of persons employed in the industry during the calendar year 1928 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 and to 372 in 1928, an increase of 131 in the 3 year period. There was also a corresponding increase in the total payroll, the amount paid in 1927 being \$321,288, whilst the amount reported for 1928 was \$428,433, an increase of \$107,145 over the two year period.

Table 4.- Employees, salaries and wages, 1928.

Classes of employment	Male	Female	Salaries and Wages
	No.	No.	\$
Employees on salaries	39	19	123,415
Employees on wages (average number)	141	160	303,199
Outside piece workers	2	11	1,819
Total	182	190	428,433

Other Employment Statistics

The number of days the factories were in operation during the calendar year 1928 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 March and April with 335 whilst the minimum number reported was 247 in the month of December.

Table 5(a). Days in operation and hours worked, 1928.

Establishments reporting	18	
	Total	Average per establishment
Days in operation on full time	3,880	215.56
Days in operation on part time	990	55.00
Days idle	602	33.44
Hours worked by wage-earners per day or shift	3,246	8.52
Hours worked by wage-earners per week	824	45.78

OILED AND WATERPROOF CLOTHING INDUSTRY IN CANADA, 1928

Other Employment Statistics - Cont'd.

Table 5(b). Wage-earners, by months, 1928.

Month	Male No.	Female No.	Month	Male No.	Female No.
January	131	130	July	137	152
February	130	194	August	146	154
March	145	190	September	146	155
April	152	183	October	137	148
May	143	166	November	129	139
June	146	156	December	117	130
Total			1,659	1,897	
Average number employed during the year			141	160	

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 over 80 per cent of the employees worked 8 hours per day, whilst in Quebec a similar percentage worked 9 hours. Approximately 6 per cent of the wage-earners in the Dominion worked 10 hours per day.

Table 5(c). Hours worked by wage-earners in month of highest employment, 1928.

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	206	152	23	-	54.07	39.89	6.04	-
Ontario	161	38	-	-	80.90	19.10	-	-
Quebec	11	114	17	-	7.75	80.28	11.97	-
Nova Scotia	34	-	6	-	85.00	-	15.00	-

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 8.52, whilst the average standard weekly hours worked out at 45.78 per plant.

Table 5(d). Hours of labour per day and per week, 1928.

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	3,246	381	8.52	824	45.78
Ontario	1,630	199	8.20	176	44.00
Quebec	1,284	142	9.04	424	47.11
Nova Scotia	332	40	8.30	224	44.80

OILED AND WATERPROOF CLOTHING INDUSTRY IN CANADA, 1928

Materials Used

The quantity and cost value of all materials used is given by provinces in Table 6, for the calendar year 1928. The cost of materials in 1927 was \$749,585, whilst for the period covered by this report the amount was \$826,524 - an increase of \$76,939 over the two year period.

Table 6. Materials used by provinces, 1928.

Principal Materials	CANADA		Quebec	
	Quantity	Cost Value	Quantity	Cost Value
		\$		\$
Grey cotton yds.	888,547	102,545	-	-
Sheeting "	230,300	78,200	-	-
Duck and denim "	59,406	14,068	-	-
Cloth "	46,130	94,052	25,820	80,045
Rubberized cloth "	269,521	217,644	167,566	142,647
Cloth linings, trimmings, etc. -	7,650	8,270	7,200	7,920
Linseed oil gals.	29,651	26,100	-	-
Other oils, colours, etc. -	-	21,298	-	6,434
Thread, buttons, buckles, and fasteners -	-	27,919	-	3,562
All other materials -	-	236,428	-	211,882
Total -	-	826,524	-	452,490

Principal Materials	Ontario		Nova Scotia	
	Quantity	Cost Value	Quantity	Cost Value
		\$		\$
Grey cotton yds.	782,400	88,278	106,147	14,267
Sheeting "	230,300	78,200	-	-
Duck and denim "	10,459	2,571	48,947	11,497
Cloth "	10,968	5,629	9,342	8,378
Rubberized cloth "	63,000	61,200	39,155	13,797
Cloth linings, trimmings, etc. -	450	350	-	-
Linseed oil gals.	28,392	24,517	1,259	1,583
Other oils, colours, etc. "	-	12,999	-	1,865
Thread, buttons, buckles and fasteners -	-	24,255	-	102
All other materials -	-	18,540	-	6,006
Total -	-	316,539	-	57,495

Fuel Consumption

The quantity and cost value of all fuel consumed in the industry during the calendar year 1928 is shown in Table 7. The total expenditure for all fuel and electricity rose from \$9,089 in 1927 to \$12,488 in 1928, an increase of \$3,399. Bituminous coal again occupies the first position with \$9,729, whilst anthracite coal follows next with \$933. The cost of electricity purchased was \$1,576 as compared with \$1,766 in 1927.

Table 7. Fuel consumption, 1928.

Kinds of fuel	Unit of measure	Quantity	Cost Value
			\$
Bituminous coal	ton	1,449	9,729
Anthracite coal	"	102	933
Wood	cord	1	5
Gas	m.c.ft.	291	245
Other fuel	-	-	-
Electricity	-	-	1,576
Total fuel and electricity	-	-	12,488

OILED AND WATERPROOF CLOTHING INDUSTRY IN CANADA, 1928.

Power Installation

The power installed in the industry during the calendar year 1928 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, 1928.

Classes of power	Number of units	Horse-power capacity
Gas and gasoline engines	5	20
Steam engines and turbines	1	60
Electric motors operated by purchased power	16	33
Total power used in manufacturing	22	113
Electric motors operated by power generated at the factory	5	7
Total electric motors	21	40
Total power installation	27	120
Boilers installed	4	148

Imports and Exports

The value of the various kinds of oiled and waterproof clothing imported into Canada for consumption during the calendar year 1928 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, 1928.

Articles imported	United Kingdom	United States	Other Countries	Total Imports
	\$	\$	\$	\$
Clothing made waterproof with india rubber	164,515	371,781	40,270	576,566
Oiled clothing and oiled hats	39,978	34,064	930	74,972
Total	204,493	405,845	41,200	651,538

Table 9(b). Exports by countries, 1928.

Articles exported	United Kingdom	United States	Other Countries	Total Exports
	\$	\$	\$	\$
Clothing, rubber, including waterproofed	1,173	2,251	25,335	28,759

OILED AND WATERPROOF CLOTHING INDUSTRY IN CANADA, 1928.

APPENDIX

Firms engaged in the manufacture of oiled and waterproof clothing

Name

Address

NOVA SCOTIA

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

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

QUEBEC

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

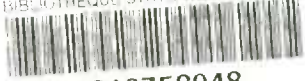
4297 St. Lawrence Blvd., Montreal
92 Phillips Place Bldg., Montreal
530 St. Catherine St. E., Montreal
129 rue St. Dominique, Quebec
207 St. Catherine St. W., Montreal
10 Ontario St. W., Montreal
1416 St. Urbain St., Montreal
520 St. Lawrence Blvd., Montreal
209 St. Catherine E., Montreal

ONTARIO

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

128 Sterling Road, Toronto
49 Simcoe St., Toronto 2.
1149 King St. W., Toronto 2.
646 Adelaide W., Toronto 3.

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