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REPORT  
on the  
OILED & WATERPROOF CLOTHING INDUSTRY  
in  
CANADA  
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. 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

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OILED AND WATERPROOF CLOTHING INDUSTRY IN CANADA, 1929.

Ottawa, October, 1930. - A report is herewith presented on the oiled and waterproof clothing industry in Canada during the calendar year 1929. Reports were received from 19 establishments and were located by provinces as follows:- Quebec 9, Nova Scotia 5, Ontario 5.

Principal Statistics

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

Table 1.- Principal Statistics, by Provinces, 1929.

		CANADA	Quebec	Nova Scotia	Ontario
Establishments	No.	19	9	5	5
Capital	\$	1,186,464	445,036	95,545	645,883
Employees on salaries -					
Male	No.	32	15	3	14
Female	No.	17	8	1	8
Salaries	\$	110,796	40,612	6,708	63,469
Employees on wages (average No.)					
Male	No.	133	74	10	49
Female	No.	146	35	23	88
Wages	\$	234,495	131,757	16,470	136,268
Outside Piece workers -					
Male	No.	-	-	-	-
Female	No.	16	-	16	-
Amount paid	\$	1,528	-	1,528	-
Cost of fuel and electricity	\$	3,656	1,112	1,207	6,337
Power employed -					
Units	No.	25	8	2	15
Capacity	H.P.	173	16	5	152
Cost of materials	\$	706,706	296,493	58,673	351,540
Gross value of products	\$	1,354,314	574,905	101,873	677,536
Net value of products	\$	647,608	278,412	43,200	325,996

Production

The quantity and value of the principal products of the industry is shown by provinces in Table 2 for the calendar year 1929. The total value of all products in 1928 was \$1,724,394, whilst the amount reported for the period covered by this report was \$1,354,314, a decrease of \$370,080 or 21.46 per cent.

Table 2.- Production by Provinces, 1929.

		CANADA		Quebec		Nova Scotia		Ontario	
		Quan.	Value	Quan.	Value	Quan.	Value	Quan.	Value
Waterproof clothing		-	\$ 245,865	-	-	-	-	-	245,865
Oiled clothing		-	162,095	-	66,137	-	38,518	-	57,740
Raincoats, slickers and cloaks		-	676,598	-	472,246	-	45,529	-	158,123
Canvas covers		-	30,914	-	-	-	-	-	30,914
Cloth coats, all kinds	No.	14,415	71,016	2,100	33,816	-	-	12,315	37,200
Waterproof duck		-	64,749	-	-	-	-	-	64,749
All other products	\$	-	53,077	-	2,006	-	17,326	-	33,245
Total		-	1,354,314	-	574,905	-	101,873	-	677,836





OILED AND WATERPROOF CLOTHING INDUSTRY IN CANADA, 1929.

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 1928 and 1929. 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 \$153,392.

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 1929 the number of establishments reporting was 19 with a total capital investment of \$1,186,464, a gross value of production of \$1,354,314 and a total employment of 328. Seven establishments had a capital investment of \$1,042,406 or 87.9 per cent of the total capital investment and an average investment per establishment of \$148,915.

Eight establishments had a gross value of production of \$1,157,520 or 85.5 per cent of the total value of production, and an average output per establishment of \$144,690. In employment 7 establishments had 253 persons on the pay-roll or 77.1 per cent of the total employment and an average of 36 per establishment.

Capital

	1929			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	12	144,058	12,005	11	129,747	11,795
\$50,000 to under \$100,000	3	196,906	65,635	4	294,904	73,726
\$100,000 to under \$200,000	3	452,314	150,771	2	370,318	185,159
\$200,000 to under \$500,000	1	393,186	393,186	1	443,519	443,519
Total	19	1,186,464	62,446	18	1,238,488	68,805

Production

	1929			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	11	196,794	17,890	8	137,329	17,166
\$50,000 to under \$100,000	4	296,171	74,043	5	280,533	56,107
\$100,000 to under \$200,000	1	170,572	170,572	2	255,179	127,589
\$200,000 to under \$500,000	3	690,777	230,259	3	951,353	317,118
Total	19	1,354,314	71,280	18	1,724,394	95,793

Employees

	1929			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	75	6	12	93	8
20 to under 50	6	170	28	5	153	31
50 to under 100	1	83	83	-	-	-
100 to under 200	-	-	-	1	113	113
Total	19	328	17	18	359	20





OILED AND WATERPROOF CLOTHING INDUSTRY IN CANADA, 1929.

Capital Investment

The amount of capital employed in the industry during the calendar year 1929 is given by provinces in Table 3. The total capitalization fell from \$1,238,488 in 1928 to \$1,186,464 in 1929, a decrease of \$52,024 over the two year period. To the total capital investment the province of Ontario contributed \$645,883 or 54.4 per cent, whilst Quebec accounted for \$445,036 or 37.5 per cent, Nova Scotia being responsible for the balance of \$95,545 or 8.1 per cent.

Table 3.- Capital employed by provinces, 1929.

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	425,856	589,722	170,886	1,186,464
Ontario	294,518	313,163	38,202	645,883
Quebec	98,901	237,074	109,061	445,036
Nova Scotia	32,437	39,485	23,623	95,545

Employees, Salaries and Wages

The number of persons employed in the industry during the calendar year 1929 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 367 in 1927 to 372 in 1928 but fell to 344 in 1929, a decrease of 23 in the 3 year period. There was also a corresponding decrease in the total payroll, the amount paid in 1928 being \$428,433, whilst the amount reported for 1929 was \$396,819, a decrease of \$31,614 during the two year period.

Table 4.- Employees, salaries and wages, 1929.

Classes of employment	Male	Female	Salaries and Wages
	No.	No.	\$
Employees on salaries	32	17	110,796
Employees on wages (average number)	133	146	284,495
Outside piece workers	-	16	1,528
Total	165	179	396,819

Other Employment Statistics.

The number of days the factories were in operation during the calendar year 1929 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 April and May with 292 and 296 respectively, whilst the minimum number reported was 205 in the month of December.

Table 5(a).- Days in operation and hours worked, 1929.

Establishments reporting	19	
	Total	Average per establishment
Days in operation on full time	3,883	204.37
Days in operation on part time	1,369	72.05
Days idle	524	27.58
Hours worked by wage-earners per day or shift	158	8.32
Hours worked by wage-earners per week	860	45.26





# OILED AND WATERPROOF CLOTHING INDUSTRY IN CANADA, 1929.

## Other Employment Statistics - Cont'd.

Table 5(b).-- Wage-earners, by months, 1929.

Month	Male No.	Female No.	Month	Male No.	Female No.
January	131	156	July	136	146
February	131	158	August	133	142
March	136	150	September	119	127
April	140	152	October	102	131
May	146	150	November	96	125
June	136	153	December	85	120
Total				1,491	1,710
Average number employed during the year				133	146

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 75 per cent of the employees worked 8 hours per day, whilst in Quebec, a percentage of 71.53 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, 1929.

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	189	125	20	-	56.58	37.42	6.00	-
Ontario	132	22	1	-	85.16	14.19	.65	-
Quebec	30	103	11	-	20.83	71.53	7.64	-
Nova Scotia	27	-	8	-	77.14	-	22.86	-

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 8.5, whilst the average standard weekly hours worked out at 45.26 per plant.

Table 5(d).-- Hours of Labour per day and per week, 1929.

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	2,837	334	8.50	860	45.26
Ontario	1,264	155	8.16	220	44.00
Quebec	1,277	144	8.87	416	46.22
Nova Scotia	296	35	8.46	224	44.80





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OILED AND WATERPROOF CLOTHING INDUSTRY IN CANADA, 1929.

Materials Used.

The quantity and cost value of all materials used is given by provinces in Table 6, for the calendar year 1929. The cost of materials in 1928 was \$326,524, whilst for the period covered by this report the amount was \$706,706,—a decrease of \$119,818 over the two year period or 14.5 per cent.

Table 6.— Materials used by provinces, 1929.

Principal Materials		CANADA		Quebec	
		Quantity	Cost Value	Quantity	Cost Value
			\$		\$
Grey cotton	yds.	775,457	210,324	-	-
Sheeting	"	10,016	3,822	-	-
Duck and denim	"	48,163	10,360	-	-
Cloth	"	19,246	15,987	12,800	13,600
Waterproof cloth	"	230,375	220,749	111,095	115,732
Rubberized cloth, etc.	"	-	129,429	-	129,429
Cloth linings, trimmings, etc.	-	-	6,992	-	6,500
Linseed oil	gals.	31,692	25,730	-	-
Other oils, colours, etc.	-	-	10,569	-	4,220
Thread, buttons, buckles, and fasteners	-	-	20,768	-	3,730
All other materials	-	-	51,976	-	23,282
Total	-	-	706,706	-	296,493

  

Principal Materials		Ontario		Nova Scotia	
		Quantity	Cost Value	Quantity	Cost Value
			\$		\$
Grey cotton	yds.	665,921	196,428	109,536	13,896
Sheeting	"	-	-	10,016	3,822
Duck and Denim	"	-	-	48,163	10,360
Cloth	"	6,446	2,387	-	-
Waterproof cloth	"	82,225	86,002	37,055	19,015
Rubberized cloth	"	-	-	-	-
Cloth linings, trimmings, etc.	-	-	492	-	-
Linseed oil	gals.	28,075	21,880	3,617	3,850
Other oils, colours, etc.	"	-	5,788	-	561
Thread, buttons, buckles, and fasteners	-	-	16,869	-	169
All other materials	-	-	21,694	-	7,000
Total	-	-	351,540	-	58,673

Fuel Consumption

The quantity and cost value of all fuel consumed in the industry during the calendar year 1929 is shown in Table 7. The total expenditure for all fuel and electricity fell from \$12,488 in 1928 to \$8,656 in 1929, a decrease of \$3,832. Bituminous coal again occupies the first position with \$6,198, whilst anthracite coal follows next with \$951. The cost of electricity purchased was \$933, as compared with \$1,576 in 1928.

Table 7.— Fuel Consumption, 1929.

Kinds of fuel	Unit of Measure	Quantity	Cost Value
Bituminous coal	ton	993	6,198
Anthracite coal	"	103	951
Fuel oil	Imp. Gal.	4,500	472
Gas	m. c. ft.	109	97
Other fuel	-	-	5
Electricity	-	-	933
Total fuel and electricity	-	-	8,656





OILED AND WATERPROOF CLOTHING INDUSTRY IN CANADA, 1929.

Power Installation.

The power installed in the industry during the calendar year 1929 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, 1929.

Classes of power	Number of units	Horse-power capacity
Gas and gasoline engines	1	60
Steam engines and turbines	24	113
Electric motors operated by purchased power		
Total power used in manufacturing	25	173
Electric motors operated by power generated at the factory	5	7
Total electric motors	29	120
Total power installation	30	130
Boilers installed	6	463

Imports and Exports

The value of the various kinds of oiled and waterproof clothing imported into Canada for consumption during the calendar year 1929 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, 1929.

Articles imported	United Kingdom	United States	Other Countries	Total Imports
	\$	\$	\$	\$
Clothing made waterproof with India rubber	191,095	383,368	46,963	621,426
Oiled clothing and oiled hats	7,770	15,426	160	23,356
Total	198,865	398,794	47,123	644,776

Table 9(b).- Exports by countries, 1929.

Articles exported	United Kingdom	United States	Other Countries	Total Exports
	\$	\$	\$	\$
Clothing, rubber, including waterproofed	684	2,658	26,999	30,341





OILED AND WATERPROOF CLOTHING INDUSTRY IN CANADA, 1929.

APPENDIX

Firms engaged in the manufacture of oiled and waterproof clothing

<u>Name</u>	<u>Address</u>
<u>NOVA SCOTIA</u>	
J. F. Creaser Co. Ltd.	La Have
A. W. Hopkins	Crowell's
W. C. Nickerson	Main St., Clarks Harbor
Edgar S. Wilson	Crowell's
Riverside Motor Co. Ltd.	East La Have
<u>QUEBEC</u>	
M. Cohen	4297 St. Lawrence Blvd., Montreal
Fels Ltd.	92 Phillips Place Bldg., Montreal
Glasgow Rubber Co. of Canada	530 St. Catherine St. E., Montreal
J. Gedeon Houde	129 rue St. Dominique, Quebec
National Rubber Co. of Canada	307 St. Catherine St. W., Montreal
W. Ordower & Co.	10 Ontario St. W., Montreal
The Samit Rubber Co. (Chas. Samit)	1416 St. Urbain St., Montreal
Joseph & Seidman	Room 500, 10 Ontario St. W., Montreal
The Supreme Raincoat Co.	209 St. Catherine St. E., Montreal
<u>ONTARIO</u>	
Scythes & Co. Ltd.	128 Sterling Road, Toronto
Toronto Waterproof Mfg. Co.	49 Simcoe St., Toronto 2.
Tower Canadian, Ltd.	1149 King St. W., Toronto 2
Durable Waterproofs, Ltd.	646 Adelaide St. W., Toronto 3
Burmack Waterproofing Co.	100 Munroe St., Toronto.

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