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

REPORT  
on the  
BROOM, BRUSH & MOP INDUSTRY  
in  
CANADA  
1924

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Published by authority of the Hon. James Malcolm,  
Minister of Trade and Commerce

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OTTAWA

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

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Chief, Industrial Census: J. C. Macpherson.

THE BROOM, BRUSH AND MOP INDUSTRY IN CANADA, 1924

Ottawa, August, 1926.- A report is herewith presented on the Broom, Brush and Mop Industry in Canada during the calendar year 1924. There were 79 establishments in operation and were located by provinces as follows:- Ontario 44; Quebec 23; British Columbia 5; New Brunswick 2; Nova Scotia 1; Prince Edward Island 1; Manitoba 1; Saskatchewan 1; Alberta 1. To prevent disclosure of information concerning the operations of individual establishments, statistics for the provinces of New Brunswick, Nova Scotia and Prince Edward Island have been combined under the head of "Maritime Provinces". Similar procedure has been adopted regarding Manitoba, Saskatchewan and Alberta, these being shown as "Prairie Provinces."

PRINCIPAL STATISTICS

A summary of the principal statistics of the industry is given by provinces in Table 1 for the calendar year 1924.

Table 1.- Principal Statistics by provinces, 1924.

		Canada	Ontario	Quebec	Br. Col- umbia	Mari- time Pro- vinces 1/	Prairie Prov- inces 2/
Establishments	No.	79	44	23	5	4	3
Capital Investment	\$	3,962,072	2,647,411	279,886	140,690	823,601	70,484
Employees on Salaries -							
Male	No.	152	94	22	10	23	3
Female	No.	77	37	11	2	18	9
Salaries	\$	512,198	300,493	34,285	25,729	139,365	12,326
Employees on wages (average number)-							
Male	No.	853	486	119	45	171	32
Female	No.	250	139	9	9	92	1
Wages	\$	825,573	507,767	76,340	54,711	162,631	24,124
Outside piece-workers -							
Male	No.	1	-	1	-	-	-
Amt. paid	\$	1,184	-	1,184	-	-	-
Cost of fuel	\$	27,328	10,042	1,728	265	14,817	476
Power Installation -							
Units	No.	176	92	26	14	32	12
Capacity	H.P.	1,598	801	109	62	610	16
Cost of Materials	\$	1,936,570	1,211,242	230,476	120,601	332,568	41,683
Gross value of							
Products	\$	4,463,021	2,899,871	414,560	248,688	829,605	70,297
Net value of Products	\$	2,526,451	1,688,629	184,084	128,087	497,037	28,614

1/ Includes, New Brunswick 2; Nova Scotia 1; Prince Edward Island 1.

2/ Includes Manitoba 1; Saskatdhevan 1; Alberta 1.

THE BRUSH, BROOM AND MOP INDUSTRY IN CANADA, 1924.

PRODUCTION

The quantity and value of the various kinds of brooms, brushes and mops manufactured during the calendar year 1924 is given by provinces in Table II. The total value of production fell from \$4,577,319 in 1923 to \$4,463,021 in 1924, a decrease of \$885,702. In order of importance brooms occupy the premier position with \$1,615,527 followed by brushes made of hair or bristles with \$1,598,451, whilst brushes made of corn or fibre take third place with \$479,180.

Table II. - Production, by provinces, 1924.

Principal Products	Canada		Ontario		Quebec	
	Quant.	Value \$	Quant.	Value \$	Quant.	Value \$
Brooms doz.	263,504	1,615,527	132,591	883,601	60,639	306,341
Whisks "	43,716	91,631	34,101	73,604	5,188	9,061
Brushes made of hair or bristles "	447,705	1,598,451	287,113	1,134,051	5,739	51,349
Brushes made of corn or fibre "	313,240	479,180	284,769	347,627	2,067	4,362
Brushes, all other	-	338,969	-	196,169	-	1,333
Mops, all kinds	-	190,533	-	135,029	-	31,438
All other products	-	148,730	-	129,790	-	10,676
<b>TOTAL</b>	-	<b>4,463,021</b>	-	<b>2,899,871</b>	-	<b>414,560</b>

	British Columbia		Maritime Provinces		Prairie Provinces	
	Quant.	Value \$	Quant.	Value \$	Quant.	Value \$
Brooms Doz.	25,662	174,246	33,818	181,061	10,794	70,278
Whisks "	1,422	3,251	2,990	5,696	15	19
Brushes made of hair or bristles "	762	9,295	154,091	403,756	-	-
Brushes made of corn or fibre "	2,078	1,335	24,326	125,856	-	-
Brushes, all other	-	42,189	-	99,278	-	-
Mops, all kinds	-	11,725	-	12,341	-	-
All other products	-	6,647	-	1,617	-	-
<b>TOTAL</b>	-	<b>248,688</b>	-	<b>829,605</b>	-	<b>70,297</b>

CAPITAL INVESTMENT

The total capital employed in the industry during the calendar year 1924 is shown by provinces in Table III. The total capitalization rose from \$3,543,561 in 1923 to \$3,962,072 in 1924, an increase of \$418,511. All provinces reported increases in capital investment over the two year period.

Table III.- Capital employed by provinces, 1924.

Provinces	Fixed Capital	Working Capital		Total Capital
	Land, buildings, fixtures, machinery, etc.	Materials on hand, stocks, etc.	Cash, trading and operating	
	\$	\$	\$ accts.	\$
<b>CANADA</b>	<b>1,638,231</b>	<b>1,614,505</b>	<b>709,336</b>	<b>3,962,072</b>
Ontario	1,006,989	1,120,005	520,417	2,647,411
Quebec	124,704	84,332	70,850	279,886
British Columbia	43,625	59,819	37,246	140,690
Maritime Provinces	427,476	338,196	57,929	823,601
Prairie Provinces	35,437	12,153	22,894	70,484

THE BRUSH, BROOM AND MOF INDUSTRY IN CANADA, 1924.

EMPLOYEES, SALARIES AND WAGES

The number of persons employed in the industry during the calendar year 1924 is given in Table IV by (a) classes of employment, (b) sex and (c) salary and wage payments. The total number of employees in all classes fell from 1,340 in 1923 to 1,333 in 1924, a decrease of 7. There was a slight expansion in the payroll, in 1923 the total being \$1,320,513 whilst the amount reported for 1924 was \$1,338,955, an increase of \$18,442. A further table IV(b) gives the statistics of employment by Provinces.

Table IV(a).- Employees, salaries and wages.

Classes of Employment	Male No.	Female No.	Salaries and Wages \$
Employees on salaries	152	77	512,198
Employees on wages	853	250	825,573
Outside piece workers	1	-	1,184
<b>TOTAL</b>	<b>1,006</b>	<b>327</b>	<b>1,338,955</b>

Table IV(b) Employees, Salaries and Wages, by provinces, 1924.

Provinces	Employees on Salaries			Employees on Wages			Totals	
	M.	F.	Salaries	M.	F.	Wages	Employees	Salaries & W.
Ontario	94	37	300,493	486	139	507,767	756	808,260
Quebec	22	11	34,285	119	9	76,340	161	110,625
British Columbia	10	2	25,729	45	9	54,711	66	80,440
Maritime Provinces	23	18	139,365	171	92	162,631	304	301,996
Prarie Provinces	3	9	12,326	32	1	24,124	45	36,450
<b>TOTALS</b>	<b>152</b>	<b>77</b>	<b>515,648</b>	<b>853</b>	<b>250</b>	<b>825,573</b>	<b>1,332</b>	<b>1,337,771</b>

OTHER EMPLOYMENT STATISTICS

The number of days the factories were in operation during the calendar year 1924 together with the number of hours per day or shift and per week normally worked by wage earners is given in Table V(a). The number of wage earners employed in the industry is shown by sex and by months in Table V(b). The maximum number employed was 1,159 in the months of February and April whilst the minimum number reported was 998 in August.

Table V(a).- Days in Operation and hours worked, 1924.

Number of Establishments in operation	79	
	Total	Average per Establishment
Days in operation on full time	19,788	250.4
Days in operation on part time	1,413	17.9
Days idle	2,815	35.7
Hours worked by wage earners per day or shift	11,430	9.05
Hours worked by wage earners per week	3,723	47.1

Table V(b). Wage earners by Months, 1924.

Months	Male No.	Female No.	Months	Male No.	Female No.
January	843	267	July	801	224
February	879	280	August	781	217
March	890	264	September	814	236
April	902	257	October	846	264
May	872	242	November	878	265
June	849	235	December	881	249
			<b>Total</b>	<b>10,236</b>	<b>3,000</b>
<b>Average number employed during the year</b>				<b>853</b>	<b>250</b>

THE BRUSH, BROOM AND MOP INDUSTRY IN CANADA, 1924.

MATERIALS USED

The materials used in the brush, broom and mop industry were not itemized on the questionnaire adopted in 1924 but were given in a grand total for value only, which in the year amounted to \$1,936,570. A distribution of the cost of such materials by provinces follows:-

Ontario	\$ 1,211,242
Quebec	230,476
British Columbia	120,601
Maritime Provinces	332,568
Prairie Provinces	41,683
	<hr/>
Total, Canada	1,936,570
	<hr/>

FUEL CONSUMPTION

The quantity and cost value, delivered at the factory, of the various classes of fuel used in this industry are shown in Table VI for the calendar year 1924. The cost of fuel decreased by \$6,688 when compared with the previous year, caused by a reduction in the price of bituminous coal as well as reduced consumption of 578 tons. Coal of all kinds represented 86.9 per cent of the total cost of all fuel.

Table VI.- Fuel Consumption, by classes, 1924.

Classes of fuel	Unit of Measure	Quantity	Cost value at Factory
			\$
Bituminous coal	ton	2,810	22,272
Anthracite coal	"	103	1,468
Coke	"	63	770
Gasoline	gal.	40	12
Wood	cord	181	1,318
Gas (artificial or natural)	M.c.ft.	790	958
All other fuel not specified	-	-	550
Total	-	-	27,328

POWER INSTALLATION

The power installed in brush and broom factories during 1924 is shown in Table VII, by classes, number of units in each class and the horsepower according to manufacturers' rating. Electric motors operated by purchased power provided over 68 per cent of the motive power in the entire industry. The cost of electricity for all purposes during the year amounted to \$17,264.

Table VII.- Power Installation by classes, 1924.

Classes of Power	No. of Units	Horsepower according to manufacturers' rating
Steam engines and turbines	8	495
Internal combustion engines	3	11
Electric motors operated by purchased power	165	1,092
Total power used in manufacturing	176	1,598
Boilers installed and boiler h.p. capacity	7	645

THE BRUSH, BROOM AND MOP INDUSTRY IN CANADA, 1924.

Imports of Brushes and Brooms are shown in Table VIII by countries for the calendar year 1924. Raw materials were imported to the value of \$1,112,868 and manufactured goods to the value of \$625,073.

Table VIII.- Imports for Consumption by Countries, 1924.

Articles Imported	Quantity	Value \$	Articles Imported	Value \$
Raw and Partly Manufactured -			Wholly Manufactured goods, cont'd.-	
Bristles, animal - total lb.	194,627	405,450	Brushes, toilet -total	372,852
United Kingdom	" 24,147	47,679	United Kingdom	56,903
United States	" 166,706	337,971	United States	106,116
France	" 755	4,581	France	41,531
Other Countries	" 3,019	15,219	Germany	4,971
			Japan	152,411
Bristles, vegetable - total	1,418	334	Netherlands	7,510
United States	" 1,418	334	Other Countries	3,410
Broom corn - total	" -	592,291	Brushes, all other -total	204,684
United States	" -	592,291	United Kingdom	32,549
			United States	157,827
Hair, cleaned or uncleaned -			France	3,347
total "	980,195	114,793	Japan	3,879
United Kingdom	" 260	1,746	Other Countries	7,082
United States	" 878,863	88,788	Brooms and Whisks - total	11,225
Other Countries	" 101,072	24,259	United Kingdom	829
			United States	9,966
Wholly Manufactured Goods -			Other Countries	430
Brushes, paint, etc.-total	-	36,312	Total value of Imports	1,737,941
United Kingdom	-	19,592	Raw Materials	1,112,868
United States	-	12,615	Wholly Manufactured	625,073
Japan	-	287		
Other Countries	-	3,818		

Table IX shows the exports of brushes and brooms, the produce of Canada, by countries for the calendar year 1924. The total value of exports amounted to \$116,726.

Table IX.- Exports of Canadian Produce, by countries, 1924.

Articles Exported	Value	Articles Exported	Value
Brushes, all kinds- total	90,501	Brooms and Whisks - total	26,225
United Kingdom	41,786	United Kingdom	3,251
United States	743	United States	144
British Possessions	41,981	British Possessions	20,404
Other Countries	5,991	Other Countries	2,426



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Imports of Goods and Services and Exports of Goods and Services for the Calendar Year 1969. The statistics are reported in millions of dollars and are based on the value of goods and services.

Table IX - Exports of Goods and Services by Country, 1969

Country	Value	Percentage of Total Exports
United States	1,141,000	41.2
United Kingdom	1,080,000	38.8
France	1,000,000	36.0
Germany	800,000	28.8
Canada	700,000	25.2
Japan	600,000	21.6
Italy	500,000	18.0
Spain	400,000	14.4
Other Countries	300,000	10.8
<b>Total</b>	<b>2,760,000</b>	<b>100.0</b>

Table IX shows the exports of goods and services by country for the calendar year 1969. The total value of exports is 2,760 million dollars.

Table IX - Exports of Goods and Services by Country, 1969

Country	Value	Percentage of Total Exports
United States	1,141,000	41.2
United Kingdom	1,080,000	38.8
France	1,000,000	36.0
Germany	800,000	28.8
Canada	700,000	25.2
Japan	600,000	21.6
Italy	500,000	18.0
Spain	400,000	14.4
Other Countries	300,000	10.8
<b>Total</b>	<b>2,760,000</b>	<b>100.0</b>