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REPORT
on the
BROOM, BRUSH & MOP INDUSTRY
in
CANADA
1922

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

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THE BROOM, BRUSH AND MOP INDUSTRY IN CANADA

1922

Ottawa, October, 1922:- A report is herewith presented on the broom, brush and mop industry in Canada during the calendar year 1922. A total of 71 establishments reported operations during that year of which 42 were in Ontario, 20 in Quebec, 3 in British Columbia, 2 in Manitoba, 2 in New Brunswick, 1 in Nova Scotia and 1 in Prince Edward Island. To prevent disclosure of information relating to individual establishments, statistics for the last four provinces have been combined and are shown throughout this report under the head of "Other provinces."

PRINCIPAL STATISTICS

A summary of the principal statistics of the industry will be found in Table I by provinces for the calendar year 1922.

Table I - Principal Statistics, 1922.

	Canada	Ontario	Quebec	British Columbia	Other provinces
Establishments	\$ 71	42	20	3	# 5
Capital investment	\$ 3,546,516	2,251,159	205,554	99,742	990,061
Employees on salaries-male	No. 183	105	14	7	57
female	No. 63	37	6	-	25
salaries	\$ 445,758	268,242	23,096	15,625	138,795
Employees on wages-					
aver. no. -male	No. 710	415	83	35	177
female	No. 223	142	4	7	70
wages	\$ 708,949	435,106	46,462	45,260	182,121
Outside piece workers-male	No. 7	4	3	-	-
female	No. 3	3	-	-	-
amount paid	\$ 1,384	384	1,000	-	-
Cost of fuel	\$ 29,571	10,805	2,281	139	16,346
Power installation -units	No. 174	97	19	11	47
capacity	H.P. 1,907	977	77	170	633
Miscellaneous expenses	\$ 607,115	372,733	28,934	34,325	171,123
Cost of materials	\$ 1,654,235	985,098	135,898	108,419	421,820
Value of products	\$ 3,909,370	2,490,050	247,516	218,471	953,333
Value added by manufacture	\$ 2,255,135	1,501,952	111,618	110,052	531,513

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

Production

The quantity and value of the principal products of the industry will be found in Table II by provinces for the calendar year 1922. The total value of all products was reported at \$3,909,370, this was \$120,921 in excess of the value recorded for the total 1921 output of \$3,788,449. In order of importance brushes made of hair or bristle take first place with 270,402 dozen valued at \$1,579,781, brooms take second place with 217,611 dozen valued at \$1,332,093, brushes of corn or fibre take third position with 219,637 dozen valued at \$433,408, brushes all other, whisks and mops follow in the order named.

Table II - Products by Provinces, 1922.

Principal Products	6	Canada		Ontario		Quebec		British Columbia		Other Provinces	
		Quantity	Value	Quantity	Value	Quantity	Value	Quantity	Value	Quantity	Value
Brooms	Doz.	217,611	1,332,093	119,970	740,224	40,847	212,949	24,496	172,216	32,298	206,704
Whisks		48,802	87,091	37,174	67,528	2,815	3,360	1,131	3,037	5,632	12,666
Brushes of hair or bristle	"	270,402	1,579,781	172,778	1,033,445	497	7,450	2,375	16,635	94,752	472,251
" " corn or fibre	"	219,637	433,408	180,000	285,745	2,332	4,984	3,120	15,604	34,185	127,075
" all other	-	-	262,211	-	203,606	-	850	-	-	-	57,755
Sewer mops	doz.	521	2,274	-	-	521	2,274	-	-	-	-
Mops, complete	"	6,425	20,610	5,624	16,902	861	3,111	-	-	-	-
Mop sticks	gross	1,395	29,726	1,395	29,726	-	-	-	-	-	-
Washboards	doz.	1,277	8,400	-	-	-	-	1,277	8,400	-	-
All other products	-	-	154,373	-	62,874	-	12,038	-	2,579	-	76,882
Total		-	3,909,370	-	2,490,050	-	247,516	-	218,471	-	953,333

Employees Salaries and Wages.

The number of persons employed in the industry is given in Table IV by (a) classes of employment (b) sex and (c) salary and wage payments for the calendar year 1922. The total number of persons employed was 1,194, and the total expenditure on account of salaries and wages amounted to \$1,156,091 - this being an increase over the year 1921 of 100 persons and \$85,182 in the payroll. Of this total Ontario contributed \$705,752 or 60.9 per cent, Quebec \$70,558 or 6.1 per cent, British Columbia \$60,835 or 5.2 per cent, whilst the other four provinces together accounted for the remaining 27.8 per cent.

Table IV - Employees Salaries and Wages - 1922.

Classes of employment	Male No.	Female No.	Salaries and Wages \$
Sal-ried officers of corporations	29	1	114,469
General superintendents, managers	45	-	106,357
Technical experts, accountants, etc.	14	7	25,064
Clerks, stenographers, salesmen, etc.	95	60	199,888
Employees on wages, average number	710	223	708,949
Outside piece-workers	7	3	1,384
T o t a l	900	294	1,156,091

Other Employment Statistics.

The number of wage earners of each sex employed in the industry is given by months in Table V for the calendar year 1922. The largest number of male employees was reported in the month of December with 757. The smallest number was in July, when only 651 men were employed. The maximum number of female factory workers was reached in the months of April and May with 248, whilst the minimum recorded for the year, - viz. 163 occurred in July.

Table V - Wage earners by months - 1922.

Months	Male No.	Female No.
January	686	224
February	706	230
March	710	241
April	722	248
May	723	248
June	727	244
July	651	163
August	698	191
September	694	211
October	714	212
November	724	236
December	757	238
T o t a l	8,517	2,686
Average number for the year	710	223

The number of days the factories were in operation, together with the number of hours per day and per week normally worked by wage earners are shown in Table VI for the calendar year 1922. For statistical purposes a year is reckoned at 304 working days.

Table VI - Days in Operation and Hours Worked by Wage Earners - 1922.

Number of Establishments		71	
		Total	Average
Number of	Days in operation on full time	17,561	247.4
"	" " " " part "	1,117	15.7
"	idle	2,906	40.9
	Number of hours worked per day or shift	612	8.6
"	" " " " per week	3,483	49.0

Capital Investment.

The capital employed in the industry in 1922 is shown by provinces in Table III. The total investment of \$3,546,516 shows an increase of \$107,704 over the previous year. Fixed capital which comprises the amount invested in land, buildings, fixtures, machines and tools amounted to \$1,337,994, whilst working capital which is composed of materials on hand, stocks in process, finished products on hand, cash trading and operating accounts, etc., was reported at \$2,208,522. Of the total capital investment for the Dominion, Ontario contributed \$2,251,159 or 63.4 per cent, Quebec \$205,554 or 5.7 per cent, British Columbia \$99,742 or 2.8 per cent, whilst the remaining 28.1 per cent was divided amongst the other four provinces.

Table III - Capital Employed by Provinces, 1922.

	Fixed Capital			Working Capital			Total Capital
	Land Buildings & Fixtures	Machinery & Tools	Total	Materials on hand, stocks in process	Cash trading and operating accounts	Total	
	\$	\$	\$	\$	\$	\$	\$
Canada	872,114	465,880	1,337,994	1,636,710	571,812	2,208,522	3,546,516
Ontario	493,196	324,382	817,578	1,025,894	407,687	1,433,581	2,251,159
Quebec	74,853	29,130	103,983	53,312	48,259	101,571	205,554
British Columbia	10,533	11,075	21,608	39,906	38,228	78,134	99,742
Other provinces	293,532	101,293	394,825	517,598	77,638	595,236	990,061

Materials Used.

The quantity and value of the principal materials used in the industry will be found in Table VII by provinces for the calendar year 1922. There was a decrease of \$173,709 in the cost of all materials used, over the previous year. The largest item of expense was for broom corn, of which 4,971,809 lbs. were consumed at a cost of \$561,786. Bristles, which are of secondary importance, were used to the extent of 268,645 lbs. valued at \$320,683. Broom handle and horse hair follow next in order of importance in the order named with an expenditure of \$138,242, and 106,573, respectively.

Table VII - Materials used by Provinces, 1922.

Principal Materials		Canada		Ontario		Quebec		British Columbia		Other Provinces	
		Quantity	Value \$	Quantity	Value \$	Quantity	Value \$	Quantity	Value \$	Quantity	Value \$
Broom corn	Lb.	4,971,809	561,786	2,719,495	312,007	855,092	90,069	578,292	64,531	818,930	95,179
Handles	No.	2,996,102	138,242	1,758,752	82,436	545,325	18,060	294,135	15,815	397,890	21,931
Twine	Lb.	50,940	31,064	29,078	17,109	9,690	5,610	5,042	3,921	7,130	4,424
Wire	"	262,741	17,153	167,346	10,116	33,942	2,213	24,750	2,052	36,703	2,772
Tacks	Gross	6,367	679	3,545	419	1,344	104	200	20	1,278	136
Staples	Lb.	8,812	1,124	5,378	729	1,726	151	1,308	205	400	39
Velveteen	Yard	6,560	4,481	3,682	1,996	219	121	1,577	1,043	1,082	1,321
Lumber	M ft.	1,146	31,580	238	11,482	25	1,002	18	725	865	18,371
Fibres	Lb.	395,503	85,553	321,606	57,821	5,490	1,273	9,050	2,715	59,357	23,744
Bristles	"	268,645	320,683	111,949	160,897	1,285	3,078	1,040	1,248	154,371	155,460
Horseshair	"	92,073	106,573	67,741	86,507	2,387	2,325	1,324	1,324	20,624	16,417
Wire (brass steel)	Lb.	119,179	14,726	81,176	11,936	300	150	1,350	135	36,353	2,505
Blocks	No.	1,288,302	51,526	952,606	37,263	5,000	500	-	-	330,696	13,763
Backs for brushes	No.	174,064	19,947	150,312	18,452	14,000	1,120	-	-	9,752	375
Tin	Lb.	51,474	8,518	25,848	2,718	-	-	-	-	25,626	5,800
All other materials including packages		-	200,600	-	176,210	-	10,122	-	14,685	-	59,583
Totals		-	1,654,235	-	988,098	-	135,898	-	108,419	-	421,820

Fuel Statistics.

The quantity and cost value of the various kinds of fuel used in the industry is shown in Table VIII for the calendar year 1922. Out of a total of \$29,571 for all fuel used, bituminous coal accounted for \$23,344, anthracite coal ranks second in importance with \$3,216, whilst wood takes third place with \$1,212, coke, gas, other fuel and gasoline follow in the order named.

Table VIII - Fuel Consumption - 1922.

Kinds of fuel	Unit of measure	Quantity	Cost Value
Bituminous coal	ton	3,088	23,344
Anthracite coal	"	200	3,216
Coke	"	47	647
Gasoline	gallon	65	27
Wood	cord	151	1,212
Gas	M.C. feet	477	563
Other fuel	-	-	562
T o t a l	-	-	29,571

Power Installation.

The various classes of power used in the industry will be found in Table IX by (a) the number of units in each class and (b) the indicated horse-power capacity according to manufacturers rating for the calendar year 1922. Electricity was the principal motive power employed with 161 units providing 1,394 horse-power out of a total of 174 units with a capacity of 1,907 horse-power. Steam engines rank second, followed by gas and oil and gasoline engines.

Table IX - Power Installation - 1922.

Classes of Power	Number of Units	Horse-power capacity
Steam engines and turbines	9	480
Gas engines	2	27
Oil and gasoline engines	2	6
Electric motors operated by power generated at the factory	47	309
Electric motors operated by purchased power	114	1,025
T o t a l	174	1,907

Miscellaneous Expenses.

The miscellaneous expenses or overhead charges incurred in the industry during 1922 amounted to \$607,115 and included rents, taxes of all kinds, travelling and advertising expenses, telephone charges, insurance, and repairs to buildings and machinery, etc. Since 1921 manufacturers are no longer required to itemize their miscellaneous expenses.

Imports and Exports.

The value of the various kinds of raw or partly manufactured materials and the finished brooms and brushes imported into and exported from Canada during 1922 will be found in Tables X (a) and (b).

Table X (a) - Imports - 1922.

Articles imported.	United Kingdom \$	United States \$	Other Countries \$
<u>Raw or partly manufactured articles:-</u>			
Brocn, corn	-	530,689	-
Bristles, animal	86,204	137,386	13,402
<u>Manufactured articles:-</u>			
Brushes, paint and varnish	12,533	15,025	3,360
" toilet	74,522	128,605	140,735
" all other, n.o.p.	19,417	165,426	15,114
Brooms and whisks	184	6,885	407
T o t a l	192,660	984,016	173,018

Table X (b) - Exports - 1922.

Articles exported	United Kingdom \$	United States \$	Other Countries \$
Brushes of all kinds	30,439	1,567	41,537
Brooms and whisks	3,432	78	20,322
T o t a l	33,871	1,645	61,859

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