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CANADA  
DOMINION BUREAU OF STATISTICS  
CENSUS OF INDUSTRY

ADVANCE REPORT  
on the  
AERATED & MINERAL WATER INDUSTRY  
1920

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OTTAWA

1928



DOMINION BUREAU OF STATISTICS.

CENSUS OF INDUSTRY

OTTAWA, CANADA.

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THE AERATED AND MINERAL WATER INDUSTRY

1920.

Ottawa, June, 1922:- A preliminary report on the Aerated and Mineral Water Industry for the calendar year 1920 has been compiled by the Dominion Bureau of Statistics. The report shows that 330 individual plants made returns to the Bureau, of which 136 were located in the Province of Ontario, 92 in Quebec, 22 in British Columbia, 23 in Nova Scotia, 20 in New Brunswick, 14 in Saskatchewan, 13 in Alberta, 7 in Manitoba and 3 in Prince Edward Island. In 1919, Ontario had 129 plants, Quebec 98, Nova Scotia 19, New Brunswick 19, British Columbia 17, Saskatchewan 16, Alberta 13, Manitoba 5 and Prince Edward Island 4, making a total of 320 for the Dominion, or an increase of 10 plants for the year 1920.



THE AERATED AND MINERAL WATER INDUSTRY, 1920.

PRINCIPAL STATISTICS COMPARED, 1919 and 1920.

The principal statistics relating to the industry are shown for Canada and the provinces in the following summary table for the calendar years 1919 and 1920.

Provinces	Number of plants	Capital \$	Employees on salaries		Employees on wages		Cost of fuel \$	Cost of misc. expenses \$	Cost of Materials \$	Value of Production \$	
			No.	Salaries \$	No.	Wages \$					
Alberta .....	1919	13	274,091	24	36,550	55	48,426	4,163	69,478	115,442	305,532
	1920	13	296,770	27	47,611	47	36,748	5,137	91,422	113,412	318,594
British Columbia .....	1919	17	270,314	19	22,206	47	38,607	3,326	29,904	86,059	200,276
	1920	22	355,809	22	44,083	59	51,477	5,631	50,892	231,952	424,568
Manitoba .....	1919	5	1,168,757	25	22,921	301	93,081	8,741	273,248	684,039	1,096,029
	1920	7	1,772,945	114	126,344	135	226,671	8,619	532,966	816,976	1,831,729
New Brunswick ...	1919	19	627,075	26	28,704	74	54,983	4,374	57,508	139,538	369,539
	1920	20	336,063	26	38,532	68	57,841	5,532	76,715	210,659	469,990
Nova Scotia ..	1919	19	313,435	21	25,230	117	83,130	5,505	39,746	193,064	410,153
	1920	23	385,025	26	33,579	100	82,609	4,589	70,671	213,336	458,340
Ontario .....	1919	129	1,849,860	123	112,747	433	356,460	24,273	307,259	985,733	2,193,643
	1920	136	3,177,621	166	206,124	479	426,691	42,110	558,198	1,237,088	2,804,290
P. E. Island .	1919	4	27,525	3	770	8	2,596	250	1,123	7,256	16,628
	1920	3	61,548	3	4,668	12	6,790	408	5,372	44,409	79,215
Quebec .....	1919	98	1,809,845	85	153,345	593	409,151	37,476	366,319	1,007,775	2,360,272
	1920	92	1,657,156	116	246,346	447	370,767	33,799	383,974	1,291,864	2,532,392
Saskatchewan .....	1919	16	204,901	24	34,531	56	51,893	4,326	49,684	166,657	414,687
	1920	14	216,877	18	26,953	40	45,587	6,420	58,147	184,545	435,575
CANADA .....	1919	320	6,545,803	350	437,004	1,684	1,138,335	88,464	1,194,249	3,385,583	7,366,759
	1920	330	8,259,814	518	774,240	1,395	1,305,181	112,235	1,828,357	4,343,049	9,354,693



THE AERATED AND MINERAL WATER INDUSTRY, 1920.

PRODUCTION.

The production in the industry is shown by classes, quantities and values in the subjoined table for the calendar years 1919 and 1920.

Classes of Products	Unit of measure	1919	1920	1919	1920
		Quantity	Sell. val. at works	Quan.	Sell. Value at works
Temperance Beer ..	gal.	440,022	583,972	757,604	989,767
Coca-cola .....	"	1,299,395	1,569,837	2,975,029	2,442,147
Cider .....	"	444,954	247,926	328,691	202,068
Natural mineral waters .....	"	544,455	290,484	348,941	291,442
Soda & aerated waters .....	"	3,674,523	2,613,629	4,007,217	3,151,509
Other carbonated beverages (non-alcoholic) .....	"	2,131,490	1,469,297	2,424,428	1,856,159
Syrups & fruit juices-		-	180,927	70,106	176,135
Vinegar .....		-	2,358	4,893	2,397
All other products, n. s.-		-	408,329	-	243,069
TOTALS			7,366,759		9,354,693

CAPITAL INVESTMENT.

The capital invested in the industry is given in the accompanying table by items of capital and by provinces. Comparative figures of total capital invested is shown in the first table of the report.

Provinces	Bond, build-ings and fixtures	Machin-ery and tools	Materials on hand, stocks in process etc	Cash, trad-ing and operating accts. etc.	Total Capital
Alberta .....	\$ 41,905	\$ 65,493	\$ 125,121	\$ 64,251	\$ 296,770
British Columbia	144,101	87,212	71,043	53,453	355,809
Manitoba .....	256,623	343,186	1,036,799	136,337	1,772,945
New Brunswick ..	95,803	50,247	106,943	83,070	336,063
Nova Scotia .....	164,053	83,371	69,677	67,924	385,025
Ontario .....	896,777	1,005,767	480,288	794,789	3,177,621
P.E. Island .....	9,500	13,531	37,992	525	61,548
Quebec .....	493,567	444,034	348,504	371,051	1,657,156
Saskatchewan ...	53,299	55,408	55,705	52,465	216,877
CANADA TOTALS	2,155,628	2,148,249	2,332,072	1,623,865	8,259,814





## THE AERATED AND MINERAL WATER INDUSTRY, 1920.

## EMPLOYEES, SALARIES AND WAGES.

The number of persons employed in the industry is shown by classes of employment, sex and salary and wage payments in the following table for Canada and the provinces.

Classes of Employment	Number of Employees		Total salary & wage payments. \$
	Male	Female	
<b>CANADA -</b>			
Officers, superintendents, managers	168	3	358,517
Clerks, stenographers and other salaried employees .....	279	68	415,723
Wage-earners, annual average number	1,245	98	1,280,419
Outside piece-workers, etc. ....	50	2	24,762
<b>TOTALS</b>	<b>1,742</b>	<b>171</b>	<b>2,079,421</b>
<b>ALBERTA -</b>			
Officers, superintendents, managers	11	-	24,342
Clerks, stenographers, etc.....	12	4	23,269
Wage-earners, annual average number	35	8	36,613
Outside piece-workers, etc.....	4	-	135
<b>TOTALS</b>	<b>62</b>	<b>12</b>	<b>84,359</b>
<b>BRITISH COLUMBIA -</b>			
Officers, superintendents, managers	12	-	29,827
Clerks, stenographers, etc.....	10	-	14,256
Wage-earners, annual aver. number	53	3	50,477
Outside piece-workers, etc.....	3	-	1,000
<b>TOTALS</b>	<b>78</b>	<b>3</b>	<b>95,560</b>
<b>MANITOBA -</b>			
Officers, superintendents, managers	8	-	20,000
Clerks, stenographers, etc.....	94	12	106,344
Wage-earners, annual aver. number	134	1	226,671
<b>TOTALS</b>	<b>236</b>	<b>13</b>	<b>353,015</b>
<b>NEW BRUNSWICK -</b>			
Officers, superintendents, managers	10	-	22,875
Clerks, stenographers, etc.....	8	8	15,657
Wage-earners, annual aver. number	59	8	57,341
Outside-piece-workers, etc.....	1	-	500
<b>TOTALS</b>	<b>78</b>	<b>16</b>	<b>96,373</b>
<b>NOVA SCOTIA -</b>			
Officers, superintendents, managers	16	-	25,130
Clerks, stenographers, etc.....	3	7	8,449
Wage-earners, annual aver. number	97	9	82,495
Outside piece-workers, etc.....	2	-	114
<b>TOTALS</b>	<b>118</b>	<b>16</b>	<b>116,188</b>
<b>ONTARIO -</b>			
Officers, superintendents, managers	63	3	101,792
Clerks, stenographers, etc.....	77	23	104,332
Wage-earners, annual aver. number	424	30	423,520
Outside piece-workers, etc.....	23	2	3,171
<b>TOTALS</b>	<b>587</b>	<b>58</b>	<b>632,815</b>
<b>PRINCE EDWARD ISLAND -</b>			
Officers, superintendents, managers	2	-	4,148
Clerks, stenographers, etc.....	-	1	520
Wage-earners, annual aver. number	7	5	6,790
<b>TOTALS</b>	<b>9</b>	<b>6</b>	<b>11,458</b>
<b>QUEBEC -</b>			
Officers, superintendents, managers	36	-	113,142
Clerks, stenographers, etc.....	69	11	133,204
Wage-earners, annual aver. number	397	33	350,925
Outside piece-workers, etc.....	17	-	12,842
<b>TOTALS</b>	<b>519</b>	<b>44</b>	<b>617,113</b>
<b>SASKATCHEWAN -</b>			
Officers, superintendents, managers	10	-	17,261
Clerks, stenographers, etc. ....	6	2	9,592
Wage-earners, annual aver. number	38	2	45,587
<b>TOTALS</b>	<b>54</b>	<b>4</b>	<b>72,540</b>



THE AERATED AND MINERAL WATER INDUSTRY, 1920.

EMPLOYERS, SALARIES AND WAGES, continued.

A second classification of wage-earners, as on December 15th, is appended, showing for male and female workers over and under 16 years of age the weekly earnings within specified groups:-

Classified Weekly Wage Groups	Over 16 yrs. age		Under 16 yrs.		Total Employees No.
	Male No.	Female No.	Male No.	Female No.	
Under \$5 per week .....	15	3	18	-	36
\$5 but under \$10 per week	98	31	17	2	148
\$10 " " \$15 " "	214	49	12	1	276
\$15 " " \$20 " "	308	10	13	-	331
\$20 " " \$24 " "	313	8	1	-	327
\$24 " " \$28 " "	251	6	-	-	257
\$28 " " \$30 " "	54	-	-	-	54
\$30 per week and over ...	227	-	-	-	227
<b>TOTALS</b>	<b>1,435</b>	<b>107</b>	<b>61</b>	<b>3</b>	<b>1,656</b>

OTHER LABOUR STATISTICS.

The number of days work performed in the 330 plants which reported during the year was as follows:-

	Total days	Average per plant
Full time operation .....	76,023 days	230.4
Part time operation .....	12,739 "	38.5
Time idle .....	11,558 "	35.1

The average hours of working time per day or shift for all plants was 8.8 hours and per week 50.6

FUEL CONSUMPTION.

The quantity and cost value delivered at the works of all fuel consumed during the year is shown by classes and origin in the accompanying table:-

Classes of fuel	Unit of measure	Canadian Origin		Foreign Origin	
		Quan.	Cost Val. at works	Quan.	Cost Value at works
Bituminous coal ....	ton	1,819	19,539	1,716	16,755
Anthracite coal ....	"	-	-	1,719	24,863
Lignite coal .....	"	438	2,597	52	693
Coke .....	"	119	1,672	7	83
Gasoline .....	gal.	63,839	27,361	3,183	1,356
Oil, fuel .....	"	1,000	200	-	-
Wood .....	cds.	1,468	9,174	-	-
Gas, artificial and natural .....	m. c. ft.	9,061	6,012	-	-
Other fuel, n.s. ....	-	-	1,609	-	381
<b>TOTALS</b>			<b>68,164</b>		<b>44,081</b>



6.

THE AERATED AND MINERAL WATER INDUSTRY, 1920.POWER EMPLOYED.

The mechanical power employed in the industry is shown in the following table by (a) the number of units of each class, (b) their horsepower according to manufacturer's rating and (c) the horsepower actually developed. The number of boilers and their capacity is also given, but are not included in the totals of power.

Kinds of Power	Number of units	H. P. According to mfrs. rating	H. P. actually employed
Boilers .....	48	1,056	800
Engines, steam .....	11	147	113
Gas .....	4	17	8
Gasoline .....	35	132	103
Water wheels .....	3	3	2
Water motors .....	2	5	3
Electric motors .....	385	1,107	840
Other power, not specified	6	26	21
<b>TOTALS</b>	<b>446</b>	<b>1,437</b>	<b>1,090</b>

MISCELLANEOUS EXPENSES.

The cost of miscellaneous or overhead expenses is shown below by items for the entire industry, for the calendar year:-

	\$
Rent of offices, works and machinery ..	109,234
Rent of power .....	49,052
Insurance, premiums for year only .....	57,874
Taxes, municipal, provincial, federal ..	105,648
Royalties, use of patents, etc.....	3,969
Advertising expenses .....	283,300
Travelling expenses .....	127,782
Repairs to buildings and machinery ....	135,387
All other sundry expenses .....	956,111
<b>TOTALS</b>	<b>1,828,357</b>



THE AERATED AND MINERAL WATER INDUSTRY, 1920.

MATERIALS USED.

The quantity and cost value delivered at the works of the various classes of materials used in the industry during the year are shown in the following table:-

Classes of Materials	Unit of measure	Quantity	Cost value to works
Sugar .....	lb.	10,129,155	1,703,809
Citric acid .....	"	35,824	39,601
Tartaric acid .....	"	42,417	29,201
Carbon di-oxide gas in cylinders .....	"	2,068,326	329,053
Alcohol, ethyl or grain .	proof gal.	9,150	53,495
Beer .....	gal.	601,745	552,595
Cider .....	"	37,689	19,566
Syrups and fruit juices .	"	42,092	88,196
Flavouring extracts and essential oils .....	"	14,769	163,897
All other materials .....	-	-	238,545
Bottles, cases, labels, etc.	-	-	1,125,891
<b>TOTAL COST OF MATERIALS</b>			<b>4,343,849</b>

IMPORTS AND EXPORTS.

The value of aerated and mineral waters imported for consumption in Canada, and the value of goods, the produce of Canada, exported are shown by countries and classes for the calendar year 1920.

Countries	Imports	Exports
	\$	\$
Countries -		
United Kingdom .....	25,642	-
Newfoundland .....	-	2,440
United States .....	60,677	8,415
Belgium .....	6,590	-
France .....	107,666	-
Japan .....	2,615	-
Other countries .....	1,717	1,941
<b>TOTALS</b>	<b>204,907</b>	<b>12,796</b>
Classes of goods -		
Ginger ale .....	26,687	-
Mineral water, natural, not in bottles .....	405	2
Mineral and aerated water, n.c.p..	177,815	12,794
<b>TOTALS</b>	<b>204,907</b>	<b>12,796</b>

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