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THE
AERATED WATERS INDUSTRY
IN
CANADA
1941



OTTAWA
1943

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WASHINGTON, D. C.

DEPARTMENT OF TRADE AND COMMERCE
DOMINION BUREAU OF STATISTICS
GENERAL MANUFACTURES BRANCH
OTTAWA - CANADA

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THE CARBONATED BEVERAGES INDUSTRY, 1941

Manufactures of carbonated beverages in Canada reported a gain of over 20 per cent in the value of products in 1941 as compared with 1940. Output from these factories in 1941 was worth \$41,103,387 at factory selling prices compared with \$34,027,664 in 1940.

In 1941 there were 479 plants in Canada which were engaged chiefly in making non-alcoholic carbonated beverages. Of these, 156 were in Ontario, 163 in Quebec, 38 in Nova Scotia, 26 in British Columbia, 21 in New Brunswick, 23 in Saskatchewan, 24 in Manitoba, 22 in Alberta, and 6 in Prince Edward Island. Plants in Quebec and Ontario accounted for 77 per cent of the total production and almost 75 per cent of the employees. In addition, 9 breweries made carbonated beverages as secondary products; 5 of these were in Ontario, 1 in Manitoba, 2 in Alberta and 1 in British Columbia.

Capital employed in the industry was reported at \$26,219,347 including \$14,888,047 as the value of lands, buildings and equipment, \$6,648,723 as the value of materials, stocks in process and finished products on hand, and \$4,682,577 as operating capital.

Employees numbered 6,279 including 1,546 on salaries and 4,733 on wages. Salaries amounted to \$2,492,968 and wages to \$5,169,401.

Production included carbonated beverages worth \$36,429,014 at the works, syrups, concentrates and extracts at \$4,368,854 natural mineral waters at \$104,364 and miscellaneous products at \$201,155.

In addition to the production of carbonated beverages in this industry, there was an output worth \$725,541 by firms in the Brewing Industry. Thus the total Canadian output of carbonated beverages amounted to \$37,154,555.

THE AERATED WATER INDUSTRY IN CANADA, 1941.

Table 1. - Principal Statistics of the Aerated Waters Industry, 1931 - 1939
and by Provinces, 1940 - 1941.

Years	Es- tab- lish- ments	Capital Invested	Em- ployees	Salaries and Wages	Cost of Fuel and Electri- city	Cost of Materials	Gross Value of Production
	No.	\$	No.	\$	\$	\$	\$
1931	402	13,923,371	2,440	3,007,861	152,814	3,300,776	13,064,353
1932	398	12,640,708	2,302	2,682,099	151,942	2,760,548	11,067,886
1933	374	12,856,731	2,321	2,397,862	142,540	2,636,285	10,465,745
1934	386	11,583,339	2,354	2,490,558	147,264	2,999,619	11,586,140
1935	401	12,495,396	2,870	2,906,571	160,990	3,897,616	13,851,785
1936	406	13,326,302	3,293	3,603,026	187,932	5,146,511	17,047,481
1937	436	15,432,234	3,968	4,475,818	284,955	7,692,636	22,383,113
1938	454	18,879,487	4,569	5,160,805	338,459	7,750,190	26,094,126
1939	447	20,132,465	4,915	5,528,200	320,154	8,751,757	28,743,811
<u>1940</u>							
Prince Edward Island	6	68,872	25	16,961	1,479	23,104	62,376
Nova Scotia.	32	559,516	201	188,096	22,831	335,719	983,237
New Brunswick	17	649,423	145	130,443	12,469	231,521	612,449
Quebec	149	9,259,080	1,958	2,133,171	234,169	4,753,544	13,989,371
Ontario	163	7,779,250	2,140	2,793,922	247,202	3,883,144	12,348,603
Manitoba ...	24	1,321,477	383	483,746	52,343	836,778	2,701,697
Saskatchewan	25	793,081	175	207,504	42,739	420,669	1,105,733
Alberta	20	863,531	195	219,181	20,999	375,109	1,097,435
British Col.	26	646,251	212	256,200	25,101	427,920	1,126,763
CANADA ..	462	21,940,481	5,434	6,429,224	659,332	11,287,508	34,027,664
<u>1941</u>							
Prince Edward Island	6	72,476	25	17,883	2,474	41,376	79,963
Nova Scotia.	38	812,694	276	271,447	37,854	566,655	1,678,059
New Brunswick	21	745,641	168	165,742	19,540	326,364	830,311
Quebec	163	10,663,648	2,255	2,604,835	310,279	5,809,866	16,619,160
Ontario	156	9,591,099	2,449	3,297,387	355,822	4,990,324	15,296,407
Manitoba ...	24	1,472,483	463	553,060	74,809	937,717	2,813,727
Saskatchewan	23	861,630	195	218,083	53,053	480,188	1,234,895
Alberta	22	827,782	222	267,325	35,358	452,612	1,295,620
British Col.	26	1,171,894	226	266,607	25,596	489,461	1,255,245
CANADA ..	479	26,219,347	6,279	7,662,369	914,785	14,094,563	41,103,387

THE AERATED WATERS INDUSTRY IN CANADA, 1941.

Table 2. - Principal Statistics of the Aerated Waters Industry in Canada,
grouped according to Size of Establishments, 1940 and 1941

Establishments having a production of:	Estab- lish- ments	Capital Invested	Em- ployees	Salaries and Wages	Cost of Materials Used	Gross Value of Production
	No.	\$	No.	\$	\$	\$
<u>1 9 4 0</u>						
Under \$5,000	86	498,047	173	88,026	88,861	201,539
\$5,000 to \$25,000	172	2,191,379	759	578,095	1,072,914	2,250,311
\$25,000 to \$50,000	72	1,870,569	542	508,014	1,173,191	2,671,717
\$50,000 to \$100,000	69	3,550,986	854	938,136	2,245,795	5,061,978
\$100,000 to \$500,000	53	6,037,175	1,544	1,920,361	3,366,064	10,137,144
\$500,000 to \$1,000,000	6)	7,792,325	1,562	2,396,592	3,340,683	13,704,975
\$1,000,000 and over	4)					
TOTAL	462	21,940,481	5,434	6,429,224	11,287,508	34,027,664
<u>1 9 4 1</u>						
Under \$5,000	81	425,623	170	77,833	101,616	221,704
\$5,000 to \$25,000	171	2,099,943	683	548,734	1,105,088	2,329,548
\$25,000 to \$50,000	67	1,532,454	460	457,451	1,157,910	2,433,379
\$50,000 to \$100,000	75	3,111,836	841	937,400	2,329,401	5,218,355
\$100,000 to \$500,000	72	8,793,620	2,127	2,644,600	4,867,480	13,283,273
\$500,000 to \$1,000,000	8	3,359,588	709	991,661	1,616,827	5,325,214
\$1,000,000 and over	5	6,896,283	1,289	2,004,690	2,916,241	12,291,314
TOTAL	479	26,219,347	6,279	7,662,369	14,094,563	41,103,387

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THE AERATED WATERS INDUSTRY IN CANADA, 1941.

Table 3. - Products Made by the Aerated Waters Industry, 1940 and 1941.

Products	1940		1941	
	Quantity	Value	Quantity	Value
	Imp. Gal.	\$	Imp. Gal.	\$
x Carbonated beverages (soft drinks)	51,490,465	30,220,820	58,202,453	36,429,014
Syrups, concentrates and extracts ..	1,676,027	3,625,440	1,200,547	4,368,854
Natural mineral water	479,291	89,013	604,982	104,264
All other products	-	92,391	-	201,155
TOTAL	-	34,027,664	-	41,103,387

x There was, in addition, a production by Breweries amounting to \$659,775 in 1940. and \$725,541 in 1941.

1/ In addition to the quantity made for sale, a further 2,298,280 gallons was made for use in the manufacturers' own plants and for which no selling value could be assigned.

Table 4. - Total Production in Canada of Soda Water and Other Carbonated Beverages from all Industries, 1930-41.

Years	P r o d u c t i o n		
	In aerated waters industry	In other industries	TOTAL
	\$	\$	\$
1930	12,049,534	849,907	12,899,441
1931	11,812,001	721,131	12,533,132
1932	10,081,932	413,540	10,495,472
1933	9,376,691	519,326	9,896,017
1934	10,419,806	551,474	10,971,280
1935	12,480,177	302,338	12,782,515
1936	15,324,649	392,554	15,717,203
1937	20,018,879	532,616	20,551,495
1938	23,483,594	619,871	24,103,465
1939	25,606,519	655,979	26,262,498
1940	30,220,820	659,775	30,880,595
1941	36,429,014	725,541	37,154,555

Table 5. - Production of Carbonated Beverages in all Industries, by Provinces, 1941.

Province	C A R B O N A T E D B E V E R A G E S			
	Made in aerated water industry		Made in Breweries	
	Imp. Gal.	Value \$	Imp. Gal.	Value \$
Prince Edward Island	106,100	79,821	-	-
Nova Scotia	2,009,911	1,383,048	-	-
New Brunswick	1,374,594	828,561	-	-
Quebec	24,506,124	14,050,622	-	-
Ontario (see footnote)	22,123,637	14,096,164	1,601,430	725,541
Manitoba	3,382,484	2,332,527	(x)	(x)
Saskatchewan	1,639,217	1,231,451	-	-
Alberta	1,626,658	1,281,218	(x)	(x)
British Columbia	1,433,728	1,145,602	(x)	(x)
CANADA	58,202,453	36,429,014	1,601,430	725,541

(x) As there are less than 3 establishments in each of the Provinces of Manitoba, Alberta and British Columbia, the production in these three provinces has been included with Ontario.

Table 6. - Materials Used by the Aerated Water Industry, 1940 and 1941.

Materials	Unit of Measure	1940		1941	
		Quantity	Cost at Works \$	Quantity	Cost at Works \$
Carbon dioxide gas, in cylinders	Lb.	5,769,675	632,961	6,705,658	678,299
Carbon dioxide, solid	"	1,361,055	95,787	789,676	67,783
Sugar	"	72,424,922	4,358,807	86,420,848	5,830,819
Citric and Tartaric, Acid .	"	288,500	80,501	345,157	128,900
Syrups, concentrates and flavours	-	-	4,077,009	-	5,085,218
Chemicals and supplies for washing bottles	-	-	80,595	-	99,274
Boxes, cases, labels, corks, caps, etc.	-	-	1,717,364	-	1,943,043
All other materials	-	-	244,484	-	261,227
TOTAL.	-	-	11,287,508	-	14,094,563
 New bottles purchased during year	-	-	 1,177,425	-	 1,274,640

Table 7. - Capital Employed in the Aerated Waters Industry, 1932 - 39 and by Provinces, 1940 and 1941.

Year and Province	Present value of lands, build- ings, machinery and equipment	Inventory value of materials on hand, finished products and stocks in process, etc.	Operating capital (cash bills and accounts re- ceivable, etc.)	TOTAL CAPITAL
	\$	\$	\$	\$
1932	8,582,112	1,954,874	2,103,722	12,640,708
1933	8,037,485	1,932,072	2,887,174	12,856,731
1934	7,674,704	1,740,750	2,167,885	11,583,339
1935	8,160,791	1,831,465	2,503,140	12,495,396
1936	8,669,691	2,097,397	2,559,214	13,326,302
1937	9,826,276	2,332,602	3,273,356	15,432,234
1938	11,653,042	3,502,276	3,724,169	18,879,487
1939	12,375,154	3,906,333	3,850,978	20,132,465
<u>1940</u>				
Prince Edward Is.	53,506	4,231	11,135	68,872
Nova Scotia	395,407	60,160	103,949	559,516
New Brunswick	404,914	71,467	173,042	649,423
Quebec	5,312,253	2,325,936	1,620,891	9,259,080
Ontario	4,804,134	1,643,889	1,331,227	7,779,250
Manitoba	774,159	318,858	228,460	1,321,477
Saskatchewan	570,019	71,602	151,460	793,081
Alberta	423,926	246,028	193,577	863,531
British Columbia ..	376,464	197,537	72,250	646,251
CANADA	13,114,782	4,939,708	3,885,991	21,940,481
<u>1941</u>				
Prince Edward Is.	55,527	4,017	12,932	72,476
Nova Scotia	541,619	130,692	140,383	812,694
New Brunswick	459,120	99,931	186,590	745,641
Quebec	5,705,347	2,781,296	2,177,005	10,663,648
Ontario	5,374,203	2,748,646	1,468,250	9,591,099
Manitoba	890,562	364,719	217,202	1,472,483
Saskatchewan	608,828	96,120	156,682	861,630
Alberta	433,818	174,792	219,172	827,782
British Columbia .	819,023	248,510	104,361	1,171,894
CANADA	14,888,047	6,648,723 ^x	4,682,577	26,219,347

^x Of this amount only \$435,390 was finished products.

Table 8. - EMPLOYEES, SALARIES AND WAGES, BY PROVINCES, 1940 AND 1941.

Provinces	AVERAGE NUMBER OF EMPLOYEES				TOTAL	Salaries	Wages	Total Salaries and Wages
	ON SALARIES		ON WAGES					
	Male	Female	Male	Female				
No.	No.	No.	No.	No.	\$	\$	\$	
<u>1 9 4 0</u>								
Prince Edward Island	8	3	11	3	25	10,056	6,905	16,961
Nova Scotia	56	6	137	2	201	88,806	99,290	188,096
New Brunswick	37	9	92	7	145	61,615	68,828	130,443
Quebec	405	89	1,427	37	1,958	750,253	1,382,918	2,133,171
Ontario	445	119	1,545	31	2,140	964,355	1,829,567	2,793,922
Manitoba	78	16	283	6	383	111,354	372,392	483,746
Saskatchewan	42	7	121	5	175	70,633	136,871	207,504
Alberta	42	6	141	6	195	79,036	140,145	219,181
British Columbia ...	55	13	138	6	212	101,624	154,576	256,200
CANADA	1,168	268	3,895	103	5,434	2,237,732	4,191,492	6,429,224
<u>1 9 4 1</u>								
Prince Edward Island	8	3	11	3	25	10,450	7,433	17,883
Nova Scotia	68	7	196	5	276	103,752	167,695	271,447
New Brunswick	44	9	110	5	168	71,808	93,934	165,742
Quebec	460	98	1,645	52	2,255	855,034	1,749,801	2,604,835
Ontario	460	142	1,804	43	2,449	1,055,663	2,241,724	3,297,387
Manitoba	59	21	379	4	463	135,042	418,018	553,060
Saskatchewan	43	6	138	8	195	75,815	142,268	218,083
Alberta	43	11	150	18	222	86,015	181,310	267,325
British Columbia ...	48	16	156	6	226	99,389	167,218	266,607
CANADA	1,233	313	4,589	144	6,279	2,492,968	5,169,401	7,662,369

Table 9. - WAGE-EARNERS BY MONTHS, 1940 AND 1941.

Months	1940			1941		
	Male	Female	Total	Male	Female	Total
	No.	No.	No.	No.	No.	No.
January	3,103	85	3,188	3,828	99	3,927
February	3,119	85	3,204	3,861	97	3,958
March	3,216	85	3,301	4,036	101	4,137
April	3,571	91	3,662	4,507	112	4,619
May	4,006	99	4,105	4,995	143	5,138
June	4,341	101	4,442	5,385	157	5,542
July	4,806	106	4,912	5,654	165	5,819
August	4,733	108	4,841	5,341	161	5,502
September	4,283	103	4,386	4,654	144	4,798
October	3,841	96	3,937	4,340	139	4,479
November	3,711	92	3,803	4,219	147	4,366
December	3,742	98	3,840	4,199	149	4,348
AVERAGE	3,895	103	3,998	4,589	144	4,733

Table 10. - Number of Wage-earners during one week in the month of highest employment, with their hours of work per week, and average weekly earnings, 1940 and 1941.

Number of Hours Worked per Week	1940		1941	
	Male	Female	Male	Female
	No.	No.	No.	No.
30 hours or less	194	10	258	16
31 - 43 hours	179	5	172	12
44 hours	217	27	146	29
45 - 47 hours	325	15	367	22
48 hours	786	29	775	49
49 - 50 hours	269	5	527	23
51 - 54 hours	1,211	9	1,606	11
55 hours	513	1	227	4
56 - 64 hours	940	2	1,204	15
65 hours and over	341	-	383	2
Average hours per week	52.0	44.6	52.0	46.2
Average weekly earnings \$	20.90	11.04	22.12	12.90

Table 11. - Fuel and Electricity Used, 1940 and 1941.

Kinds of Fuel	Unit of Measure	1940		1941	
		Quantity	Cost Value at Works \$	Quantity	Cost Value at Works \$
Bituminous coal - Canadian	short ton	4,064	30,962	6,183	52,156
Imported	" "	8,326	58,911	8,160	63,049
Anthracite coal	" "	1,422	17,254	1,573	19,151
Lignite coal	" "	465	2,091	681	3,044
Coke	" "	442	4,920	359	4,908
Gasoline	Imp. gal.	1,380,239	343,714	1,882,657	556,167
Kerosene	" "	714	133	397	81
Fuel oil	" "	291,215	20,264	304,299	22,947
Wood	cord	3,015	11,785	3,560	15,332
Gas - Manufactured	M cu.ft.	1,780	1,636	1,613	1,649
Natural	M cu.ft.	23,891	8,219	24,594	8,710
Other fuel	-	-	1,971	-	635
Electricity purchased	Kw.H.	6,687,696	157,472	7,313,556	166,956
TOTAL	-	-	659,332	-	914,785

Table 12. - Power Equipment, 1940 and 1941.

Classes of Power	1940		1941	
	Number of units	Total rated horse power	Number of units	Total rated horse power
Steam engines and steam turbines				
in use	7	185	8	203
Idle	1	16	1	16
Gasoline, gas and oil engines				
In use	5	13	17	26
Idle	1	2	1	2
Total primary power	14	216	27	247
Electric motors operated by purchased power -				
In use	2,846	5,091	2,997	5,359
Idle	77	116	78	132
Total	2,923	5,207	3,075	5,491
Boilers:				
In use	70	2,980	76	3,102
Idle	10	371	11	416

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