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**CANADA**  
**DEPARTMENT OF TRADE AND COMMERCE**  
**DOMINION BUREAU OF STATISTICS**  
**CENSUS OF INDUSTRY**  
**GENERAL MANUFACTURES BRANCH**

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**THE**  
**AERATED WATERS INDUSTRY**  
**IN**  
**CANADA**  
**1942**

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OTTAWA  
1944

Price 15 cents

805-55

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

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THE AERATED WATERS INDUSTRY, 1942

Manufacturers of carbonated beverages in Canada reported a slight decrease of \$78,869 in the value of products in 1942 as compared with 1941. Output from these factories in 1942 was worth \$41,024,513 at factory selling prices compared with \$41,103,387 in 1941.

In 1942 there were 472 plants in Canada which were engaged chiefly in making non-alcoholic carbonated beverages. Of these, 158 were in Ontario, 163 in Quebec, 36 in Nova Scotia, 28 in British Columbia, 19 in New Brunswick, 21 in Saskatchewan, 22 in Manitoba, 19 in Alberta, and 6 in Prince Edward Island. Plants in Quebec and Ontario accounted for over 77 per cent of the total production and over 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 \$24,214,891 including \$15,114,329 as the value of lands, buildings and equipment, \$4,759,387 as the value of materials, stocks in process and finished products on hand, and \$4,341,175 as operating capital.

Employees numbered 5,782 including 1,446 on salaries and 4,336 on wages. Salaries amounted to \$2,714,871 and wages to \$5,192,424.

Production included carbonated beverages worth \$35,842,634 at the works, syrups, concentrates and extracts at \$4,654,534, natural mineral waters at \$125,157 and miscellaneous products at \$402,193. For details see table 3.

In addition to the production of carbonated beverages in this industry, there was an output worth \$803,751 by firms in the Brewing Industry. Thus the total Canadian output of carbonated beverages amounted to \$36,646,385. For details see tables 4 and 5.

Materials used in 1942 were valued at \$13,677,437. Of this amount \$5,361,482 was spent for syrups, concentrates and flavours, \$5,051,420 for 70,987,075 pounds of sugar, \$1,996,325 for corks, caps, boxes and labels, \$504,246 for carbon dioxide gas, etc. The quantity of sugar used declined by 15,433,773 pounds or 18 per cent as compared with the previous year.



THE AERATED WATERS INDUSTRY IN CANADA, 1942

Table 1. - Principal Statistics of the Aerated Waters Industry, 1933 to 1940, and by Provinces, 1941 and 1942

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.	\$	\$	\$	\$
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
1940 .....	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
<u>1942</u>							
Prince Edward Island .....	6	82,122	22	20,485	2,387	40,076	82,774
Nova Scotia .	36	945,434	295	346,516	49,269	678,178	1,937,841
New Brunswick	19	516,812	155	165,560	15,323	292,550	819,150
Quebec .....	163	9,251,201	2,171	2,775,210	295,521	5,883,474	17,368,192
Ontario .....	158	9,190,931	2,171	3,306,760	298,436	4,623,798	14,365,279
Manitoba .....	22	1,349,498	369	518,145	69,924	841,158	2,577,913
Saskatchewan.	21	760,279	161	203,055	43,123	374,071	1,090,496
Alberta .....	19	830,261	195	263,820	29,073	411,419	1,254,878
British Col..	28	1,288,353	243	307,744	27,322	532,713	1,527,995
CANADA ...	472	24,214,891	5,782	7,907,295	830,378	13,677,437	41,024,518

THE AERATED WATERS INDUSTRY IN CANADA, 1942

Table 2. - Principal Statistics of the Aerated Waters Industry in Canada,  
grouped according to Size of Establishments, 1941 and 1942

Establishments having a production of:	Estab- lish- ments	Capital Invested	Em- ployees	Salaries and Wages	Cost of Materials Used	Gross Value of Production
<u>1 9 4 1</u>	No.	\$	No.	\$	\$	\$
Under \$5,000 .....	81	425,623	170	77,835	101,616	221,704
\$5,000 to \$25,000 .....	171	2,099,945	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	2,529,401	5,218,355
\$100,000 to \$500,000 .....	72	8,793,620	2,127	2,644,600	4,367,480	13,283,875
\$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	12,291,514
<b>TOTAL</b> .....	<b>479</b>	<b>28,219,347</b>	<b>6,279</b>	<b>7,662,369</b>	<b>14,094,563</b>	<b>41,103,587</b>
<u>1 9 4 2</u>						
Under \$5,000 .....	69	376,577	130	78,124	94,204	204,661
\$5,000 to \$25,000 .....	167	2,080,608	650	585,965	1,050,513	2,530,285
\$25,000 to \$50,000 .....	85	2,030,829	606	654,376	1,359,130	3,053,420
\$50,000 to \$100,000 .....	63	2,644,490	635	867,060	1,885,338	5,549,240
\$100,000 to \$500,000 .....	75	3,196,041	1,871	2,802,906	4,410,882	12,847,351
\$500,000 to \$1,000,000 .....	8	3,637,564	670	1,079,173	1,840,736	5,276,970
\$1,000,000 and over .....	5	5,248,782	1,170	2,039,693	3,056,504	11,758,493
<b>TOTAL</b> .....	<b>472</b>	<b>24,214,891</b>	<b>5,782</b>	<b>7,907,295</b>	<b>13,677,437</b>	<b>41,024,518</b>



THE AERATED WATERS INDUSTRY IN CANADA, 1942

Table 3. - Products Made by the Aerated Waters Industry, 1941 and 1942

Products	1941		1942	
	Quantity	Value	Quantity	Value
	Imp. Gal.	\$	Imp. Gal.	\$
x Carbonated beverages (soft drinks)	58,202,453	36,429,014	56,794,605	35,842,634
Syrups, concentrates and extracts <sup>1</sup>	2,009,547	4,368,854	1,886,106	4,654,534
Natural mineral water	604,982	104,364	590,359	125,157
All other products	-	201,155	-	402,193
<b>TOTAL</b>	<b>-</b>	<b>41,103,387</b>	<b>-</b>	<b>41,024,518</b>

x There was, in addition, a production by Breweries amounting to \$725,541 in 1941 and \$803,751 in 1942.

1. In addition to the quantity made for sale, a further 1,141,019 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, 1933 to 1942

Years	P r o d u c t i o n		
	In aerated waters industry	In other industries	TOTAL
	\$	\$	\$
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
1942	35,842,634	803,751	36,646,385

Table 5. - Production of Carbonated Beverages in all Industries, by Provinces, 1942

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	102,550	82,774	-	-
Nova Scotia	2,297,923	1,565,810	-	-
New Brunswick	1,190,344	815,678	-	-
Quebec	24,355,072	14,253,299	-	-
Ontario (see footnote)	20,693,598	13,298,164	1,479,369	803,751
Manitoba	3,200,179	2,105,764	(x)	(x)
Saskatchewan	1,487,814	1,088,937	-	-
Alberta	1,741,644	1,244,154	(x)	(x)
British Columbia	1,725,481	1,388,054	(x)	(x)
<b>CANADA</b>	<b>56,794,605</b>	<b>35,842,634</b>	<b>1,479,369</b>	<b>803,751</b>

(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, 1941 and 1942.

Materials	Unit of Measure	1941		1942	
		Quantity	Cost at Works	Quantity	Cost at Works
			\$		\$
Carbon dioxide gas, in cylinders .....	Lb.	6,705,658	678,299	6,341,040	504,246
Carbon dioxide, solid ...	"	789,676	67,783	650,511	44,805
Sugar .....	"	86,420,848	5,830,819	70,987,075	5,051,420
Citric and Tartaric, Acid	"	345,157	128,900	409,717	220,049
Syrups, concentrates and flavours .....	-	-	5,085,218	-	5,361,482
Chemicals and supplies for washing bottles .....	-	-	99,274	-	91,624
Boxes, cases, labels, corks, caps, etc. ....	-	-	1,943,043	-	1,996,325
All other materials .....	-	-	261,227	-	407,486
<b>TOTAL .....</b>	-	-	<b>14,094,563</b>	-	<b>13,677,437</b>
 New bottles purchased during year .....	-	-	 1,274,640	-	 1,456,746

Table 7. - Capital Employed in the Aerated Waters Industry, 1933 - 40 and by Provinces, 1941 and 1942

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
	\$	\$	\$	\$
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
1940 .....	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	4,682,577	26,219,347
<u>1942</u>				
Prince Edward Is.	63,504	3,512	15,106	82,122
Nova Scotia .....	602,884	138,526	204,024	945,434
New Brunswick ...	355,547	76,595	84,670	516,812
Quebec .....	5,641,228	1,856,795	1,753,178	9,251,201
Ontario .....	5,664,804	1,981,619	1,544,508	9,190,931
Manitoba .....	822,733	293,576	233,189	1,349,498
Saskatchewan ....	544,043	91,789	124,447	760,279
Alberta .....	425,459	151,952	252,850	830,261
British Columbia.	994,127	165,023	129,203	1,288,353
CANADA .....	15,114,329	4,759,387	4,341,175	24,214,891



Table 8. - EMPLOYEES, SALARIES AND WAGES, BY PROVINCES, 1941 and 1942

Provinces	AVERAGE NUMBER OF EMPLOYEES				TOTAL	Salaries	Wages	Total Salaries and Wages
	ON SALARIES		ON WAGES					
	Male	Female	Male	Female				
	No.	No.	No.	No.				
<u>1941</u>								
Prince Edward Island	8	3	11	3	25	10,450	7,433	17,883
Nova Scotia .....	58	7	196	5	276	103,752	167,695	271,447
New Brunswick .....	44	9	119	5	168	71,808	93,934	165,742
Quebec .....	469	93	1,645	52	2,255	855,034	1,749,801	2,604,835
Ontario .....	460	142	1,304	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	8	138	8	195	75,815	142,268	218,083
Alberta .....	43	11	150	18	222	86,015	131,310	237,325
British Columbia ...	49	16	156	6	226	99,389	167,218	266,607
<b>CANADA</b>	<b>1,233</b>	<b>313</b>	<b>4,589</b>	<b>144</b>	<b>6,279</b>	<b>2,492,968</b>	<b>5,169,401</b>	<b>7,662,369</b>
<u>1942</u>								
Prince Edward Island	7	2	10	3	22	12,230	8,255	20,485
Nova Scotia .....	61	9	191	34	295	113,456	233,060	346,516
New Brunswick .....	32	12	104	7	155	62,446	103,114	165,560
Quebec .....	388	111	1,539	133	2,171	939,627	1,935,583	2,775,210
Ontario .....	424	166	1,517	64	2,171	1,149,532	2,157,228	3,306,760
Manitoba .....	58	18	280	13	369	159,619	358,526	518,145
Saskatchewan .....	38	5	106	10	161	69,741	133,314	203,055
Alberta .....	38	14	123	20	195	95,412	168,408	263,820
British Columbia ...	45	18	152	28	243	112,808	194,936	307,744
<b>CANADA</b>	<b>1,091</b>	<b>355</b>	<b>4,024</b>	<b>312</b>	<b>5,782</b>	<b>2,714,871</b>	<b>5,192,424</b>	<b>7,907,295</b>

Table 9. - WAGE-EARNERS, BY MONTHS, 1941 and 1942

Months	1941			1942		
	Male	Female	Total	Male	Female	Total
	No.	No.	No.	No.	No.	No.
January .....	3,828	99	3,927	4,091	191	4,282
February .....	3,861	97	3,958	3,873	175	4,048
March .....	4,036	101	4,137	3,814	185	3,999
April .....	4,507	112	4,619	3,950	216	4,166
May .....	4,995	143	5,138	4,245	269	4,514
June .....	5,385	157	5,542	4,462	293	4,755
July .....	5,654	165	5,819	4,530	327	4,857
August .....	5,341	161	5,502	4,290	348	4,638
September .....	4,654	144	4,798	3,977	402	4,379
October .....	4,340	139	4,479	3,715	410	4,125
November .....	4,219	147	4,366	3,562	371	3,933
December .....	4,199	149	4,348	3,490	359	3,849
AVERAGE .....	4,589	144	4,733	4,024	312	4,336

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, 1941 and 1942

Number of Hours Worked per Week	1941		1942	
	Male	Female	Male	Female
	No.	No.	No.	No.
30 hours or less .....	258	16	170	48
31 - 43 hours .....	172	12	158	50
44 hours .....	146	29	114	46
45 - 47 hours .....	367	22	317	62
48 hours .....	775	49	748	138
49 - 50 hours .....	527	23	797	15
51 - 54 hours .....	1,606	11	905	42
55 hours .....	227	4	314	2
56 - 64 hours .....	1,204	15	894	21
65 hours and over .....	383	2	255	2
Average hours per week .....	52.0	46.2	51.7	44.6
Average weekly earnings .... \$	22.12	12.90	24.32	13.18

Table 11. - Fuel and Electricity Used, 1941 and 1942

Kinds of Fuel	Unit of Measure	1941		1942	
		Quantity	Cost Value at works	Quantity	Cost Value at works
		\$		\$	
Bituminous coal - Canadian	short ton	6,183	52,156	7,477	63,997
Imported	"	8,160	63,049	8,403	71,921
Anthracite coal	"	1,573	19,151	1,616	21,875
Lignite coal	"	681	3,044	714	3,476
Coke	"	359	4,908	220	2,800
Gasoline	Imp. Gal.	1,882,657	556,167	1,385,442	448,221
Kerosene	" "	397	81	800	245
Fuel oil	" "	304,299	22,947	219,106	16,376
Wood	cord	3,560	15,332	3,971	19,614
Gas - Manufactured	M cu.ft.	1,613	1,649	2,357	2,078
Natural	M cu.ft.	24,594	8,710	24,845	8,491
Other fuel	-	-	635	-	1,627
Electricity purchased	Kw.H.	7,313,556	166,956	6,852,972	169,657
<b>TOTAL</b>			<b>914,785</b>		<b>830,378</b>

Table 12. - Power Equipment, 1941 and 1942

Classes of Power	1941		1942	
	Number of units	Total rated horse power	Number of units	Total rated horse power
Steam engines and steam turbines				
in use	8	203	5	60
idle	1	16	2	91
Gasoline, gas and oil engines				
in use	17	26	5	15
idle	1	2	-	-
Total primary power	27	247	12	166
Electric motors operated by purchased power -				
in use	2,997	5,359	3,116	5,371
idle	78	132	112	165
Total	3,075	5,491	3,228	5,536
Electric motors operated by power generated by prime movers				
in use	-	-	4	1
idle	-	-	1	1
Boilers:				
in use	76	3,102	95	3,612
idle	11	416	14	444



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