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

REPORT
on the
BREWING INDUSTRY
in
CANADA
1927

STATISTICS STATISTIQUE
CANADA CANADA

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Minister of Trade and Commerce.

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OTTAWA

1928

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DEPARTMENT OF TRADE AND COMMERCE
INDUSTRIAL DEVELOPMENT
CANADA

INDUSTRIAL DEVELOPMENT
IN CANADA

REGISTERED MAIL
POSTAGE GUARANTEED

INDUSTRIAL DEVELOPMENT
CANADA

DEPARTMENT OF TRADE AND COMMERCE

DOMINION BUREAU OF STATISTICS

CENSUS OF INDUSTRY

OTTAWA, CANADA.

Dominion Statistician: R.H. Coats, B.A., F.S.S., (Hon.), F.R.S.C.
 Chief, Census of Industry: J.C. Macpherson.

THE BREWING INDUSTRY IN CANADA, 1927

Ottawa, October, 1928.-

The annual report of the Brewing Industry in Canada for the calendar year 1927 is presented herewith. The number of plants operating during the year was 73, an increase of 10 over the previous year. The location of the plants by provinces was as follows:- Ontario 33, British Columbia 9, Quebec 9, Manitoba 8, Alberta 6, Saskatchewan 4, New Brunswick 2 and Nova Scotia 2. The statistics for the last named are combined under the head of Maritime Provinces throughout the tables of this report to prevent disclosure of information relating to individual plants.

PRINCIPAL STATISTICS

A comparative summary of the principal statistics of the industry in the Dominion is presented in Table 1 for the calendar years 1926 and 1927. A column showing the increase or decrease in the various items of the table has been added.

Table 1. Principal Statistics Compared 1926 and 1927.

Principal Statistics	Unit	1926	1927	Increase over 1926
Establishments reporting	No.	63	73	+ 10
Capital invested	\$	53,893,942	62,358,117	+ 8,464,175
Employees on salaries-				
Males	No.	593	755	+ 162
Females	No.	68	100	+ 32
Salaries	\$	1,803,133	1,996,084	+ 192,951
Employees on wages-				
Males	No.	3,275	3,763	+ 488
Females	No.	40	44	+ 4
Wages	\$	3,930,436	4,440,636	+ 510,200
Cost of fuel and electricity	\$	743,608	804,111	+ 60,503
Power installed-				
Units	No.	1,345	1,509	+ 164
Capacity	H.P.	18,577	19,977	+ 1,400
Cost of materials	\$	14,448,510	17,471,299	+ 3,022,789
Gross Value of Products	\$	43,602,960	51,528,024	+ 7,925,064
Net Value of Products	\$	29,154,450	34,056,725	+ 4,902,275

REPORT OF THE COMMISSIONER OF THE GENERAL LAND OFFICE

FOR THE YEAR ENDING 31st MARCH 1900

IN ACCORDANCE WITH THE LAND ACT, 1897

BY THE COMMISSIONER

Printed and Published by the Government Printer, London: 1900.

CONTENTS

Introduction. The Land Act, 1897, and the Land Act, 1900, have provided for the consolidation of the land revenue accounts, and for the appointment of a Commissioner of the General Land Office to superintend the collection and management of the land revenue. The Commission has the honor to acknowledge the assistance rendered by the various departments of the Government in the preparation of this report.

GENERAL STATEMENT

The total amount of the land revenue for the year ending 31st March 1900 was £1,234,567, being an increase of £123,456 on the year ending 31st March 1899.

The following table shows the amount of the land revenue received during the year ending 31st March 1900, and the amount of the land revenue received during the year ending 31st March 1899.

Year	Total	Land Revenue	Other Revenue	Grants
1899	1,111,111	1,000,000	100,000	11,111
1900	1,234,567	1,100,000	100,000	34,567

Size of Establishments

In view of the tendency towards concentration in industrial enterprises, a series of tables has been prepared presenting it in a threefold way the size of establishments in the brewing industry measured by (a) capital investment, (b) gross value of production and (c) the number of persons employed, all within certain specified groups or limitations for the calendar years 1926 and 1927. The tables further indicate the movement of capital, production and employment within the industry.

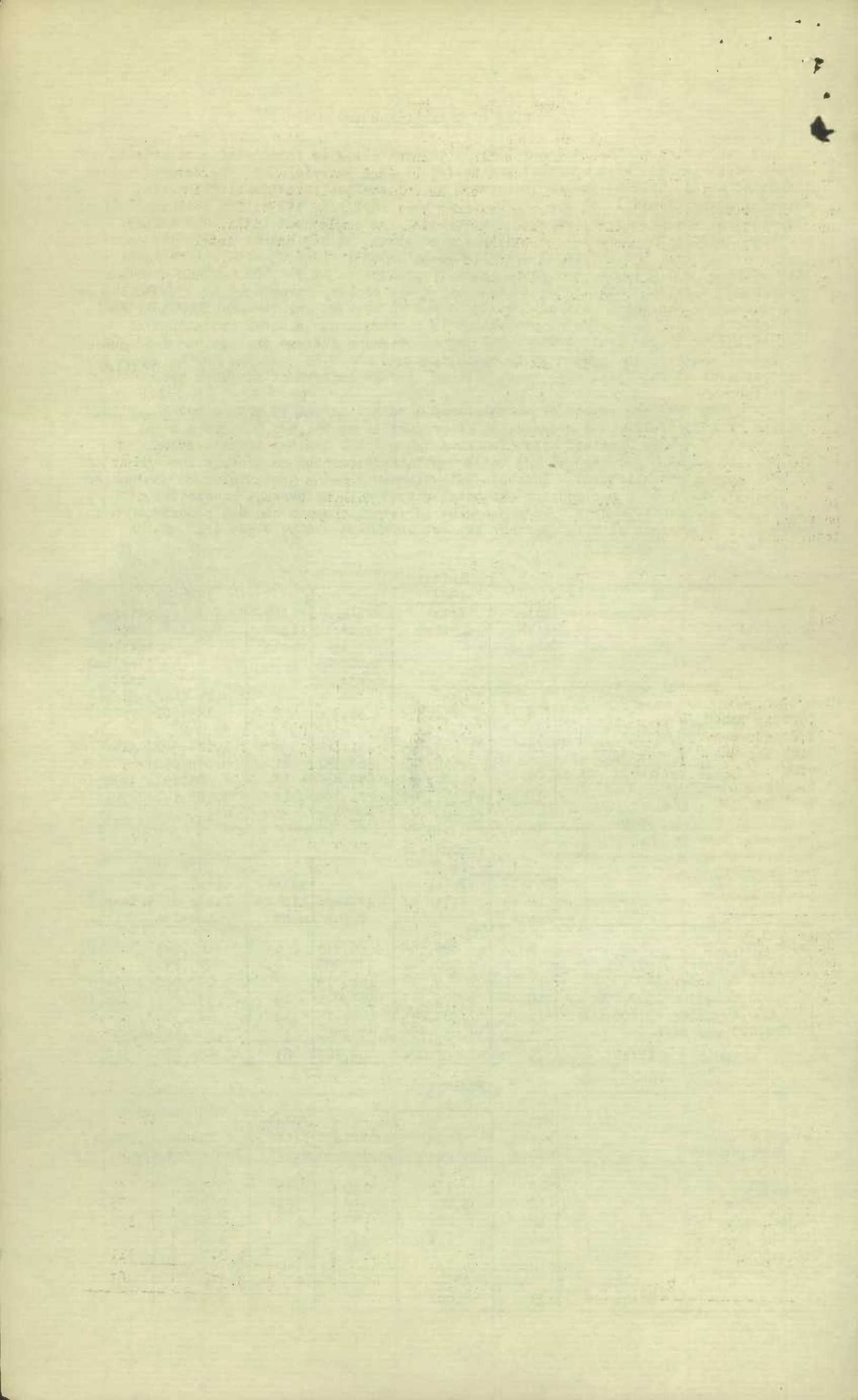
In 1926 the number of establishments reporting was 63 with a total capital investment of \$53,893,942, - a gross value of production of \$43,602,960 and a total employment of 3,976. Sixteen establishments had a capital investment of \$37,782,144 or 70 per cent of the total capital investment and an average investment of \$2,361,384 per factory. In gross value of production 12 factories had a total production of \$28,348,147 or 65 per cent of the total output, with an average production of \$2,362,345 per establishment. In employment 12 establishments had 2,287 persons on the payroll or 57.5 per cent of the total employment with an average employment of 190.6 per establishment.

In 1927 the number of establishments reporting was 73 with a total capitalization of \$62,358,117, - a gross value of production of \$51,528,024 and a total employment of 4,662. Nineteen establishments had a total capital investment of \$43,341,562 or 69.5 per cent of the total capitalization with an average investment of \$2,281,135 per establishment. Fourteen establishments had a gross value of production of \$34,657,786 or 67.2 per cent of the total output with an average production of \$2,475,556 per establishment. In employment 12 establishments had 2,575 persons on the payroll, - an average of 2,147 persons per establishment and 55.2 per cent of the total employment.

Groups of Values	Capital					
	1927			1926		
	Estab-lish-ments	Total Capital	Average Capital per es-tablish-ments	Estab-lish-ments	Total Capital	Average Capital per es-tablish-ments
Under \$50,000	(8	250,852	31,356	5	143,501	28,701)
\$50,000 to under \$100,000	(-	-	-	-	-	-)
\$100,000 to under \$200,000	11	1,663,903	151,264	8	1,184,542	148,068
\$200,000 to under \$500,000	21	7,617,352	362,731	21	6,479,858	308,564
\$500,000 to under \$1,000,000	14	9,484,448	677,460	13	8,303,897	638,761
\$1,000,000 and over	19	43,341,562	2,281,135	15	37,782,144	2,361,384
Total	73	62,358,117	854,221	63	53,893,942	855,459

Groups of Values	Production					
	1927			1926		
	Estab-lish-ments	Total Value of Production	Average Value	Estab-lish-ment	Total Value of Production	Average Value
Under \$50,000	8	228,564	28,570	6	160,063	26,677
\$50,000 to under \$100,000	8	560,742	70,093	6	499,131	83,188
\$100,000 to under \$200,000	13	1,855,340	142,719	8	1,077,078	134,635
\$200,000 to under \$500,000	19	6,898,347	363,071	19	5,931,221	312,169
\$500,000 to under \$1,000,000	11	7,327,245	666,113	12	7,587,320	632,276
\$1,000,000 and over	14	34,657,786	2,475,556	12	28,348,147	2,362,345
Total	73	51,528,024	705,863	63	43,602,960	692,079

Groups of Employees	Employees					
	1927			1926		
	Estab-lish-ments	Total Employees	Average Employees	Estab-lish-ments	Total Employees	Average Employees
Under 20	17	175	10	15	176	12
20 to under 50	32	1,026	32	28	927	33
50 but under 100	12	886	74	8	586	73
100 but under 200	6	811	135	8	1,044	130
200 but under 500	())	())
500 and over	(6	1,764	294	4	1,243	311
Total	73	4,662	64	63	3,976	63



THE BREWING INDUSTRY IN CANADA, 1927

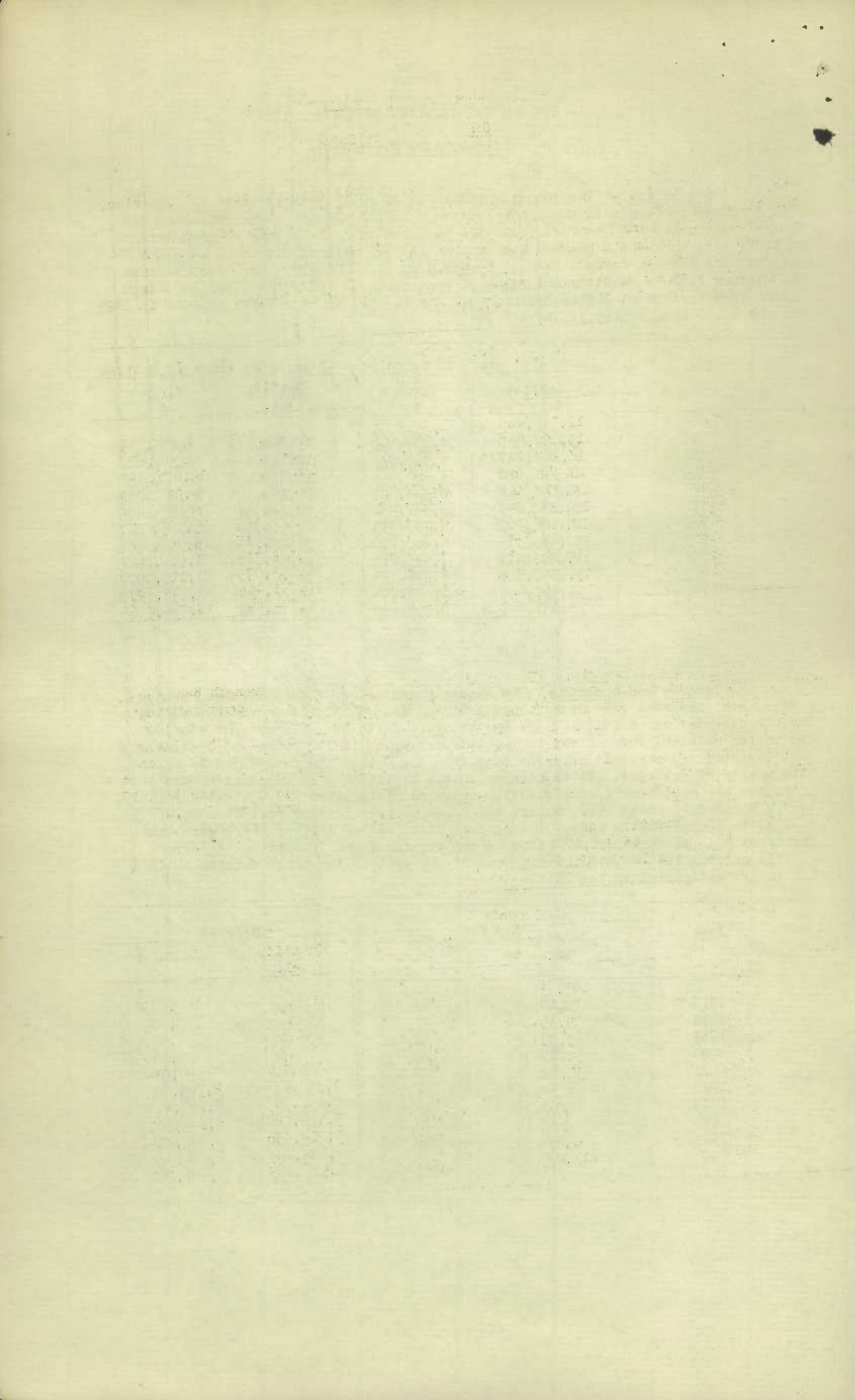
Comparative Statistics

Production.- The quantity and value of full strength beer, ale, porter, etc. produced in Canada is shown comparatively in the summary table following for the calendar years 1917 to 1927. It will be noted that the volume of production of beer, etc. in barrels reached its maximum in 1921 with an output of 19,272,847 gallons, and also in value stated at \$9,537,971. Bottled ale, beer, etc. reached the maximum both in quantity and value of production in 1927, the total gallonage rising from upwards of fifteen million gallons in 1917 to 38,744,841 gallons in 1927 and the value from \$8,895,315 to \$38,764,966.

Year	Beer, ale, etc.- In barrels		Beer, ale, etc.- In bottles	
	Quantity Gal.	Value \$	Quantity Gal.	Value \$
1917	11,162,445	4,594,956	15,740,107	8,895,315
1918	15,898,217	6,610,033	12,111,976	8,304,678
1919	18,267,628	7,046,684	16,622,905	12,076,153
1920	16,543,528	8,361,563	21,822,540	20,227,059
1921	19,272,847	9,337,971	22,028,580	20,275,495
1922	13,106,429	6,057,733	22,500,303	19,169,207
1923	12,483,585	6,280,820	21,224,317	18,392,491
1924	15,842,673	7,935,019	23,581,379	21,914,222
1925	14,338,793	8,246,285	30,153,075	27,115,207
1926	15,568,668	8,449,714	30,781,445	32,342,698
1927	15,231,340	10,899,630	38,744,841	38,764,966

Imports and Exports.- The quantity and value of full strength beer, ale, porter, etc. imported into Canada, and exported from Canada is shown comparatively for the calendar years 1917 to 1927 in the table following. Imports of beer, ale and porter attained the maximum in quantity and value in 1927 when 213,025 gallons were imported, 69 per cent of which came from the United Kingdom, Japan being next with nearly 20 per cent. It is however in the exportation of Canadian products that increases are most marked, the quantity exported rising from 189,990 gallons in 1917 to 4,239,085 gallons in 1926, whilst the value correspondingly rose from \$104,273 in 1917 to \$5,552,769 in 1926. In the year under review however there were small decreases both in quantity and value of export, the former amounting to 322,922 gallons and the latter to \$71,062. Over 99 per cent of the total exports in 1927 had their destination in the United States.

Year	Imports ✓		Exports	
	Quantity Gal.	Value \$	Quantity Gal.	Value \$
1917	107,635	88,726	189,990	104,273
1918	35,242	33,785	230,336	178,023
1919	29,354	42,428	241,994	157,150
1920	65,364	120,453	756,381	859,364
1921	52,785	124,038	398,090	654,034
1922	52,088	116,283	1,356,523	2,593,765
1923	96,399	214,675	2,951,785	5,000,815
1924	88,156	176,266	3,194,080	5,044,011
1925	140,495	288,724	3,714,736	5,088,414
1926	148,398	320,460	4,239,085	5,552,769
1927	213,025 ✓	410,150	3,916,163	5,481,707



THE BREWING INDUSTRY IN CANADA, 1927

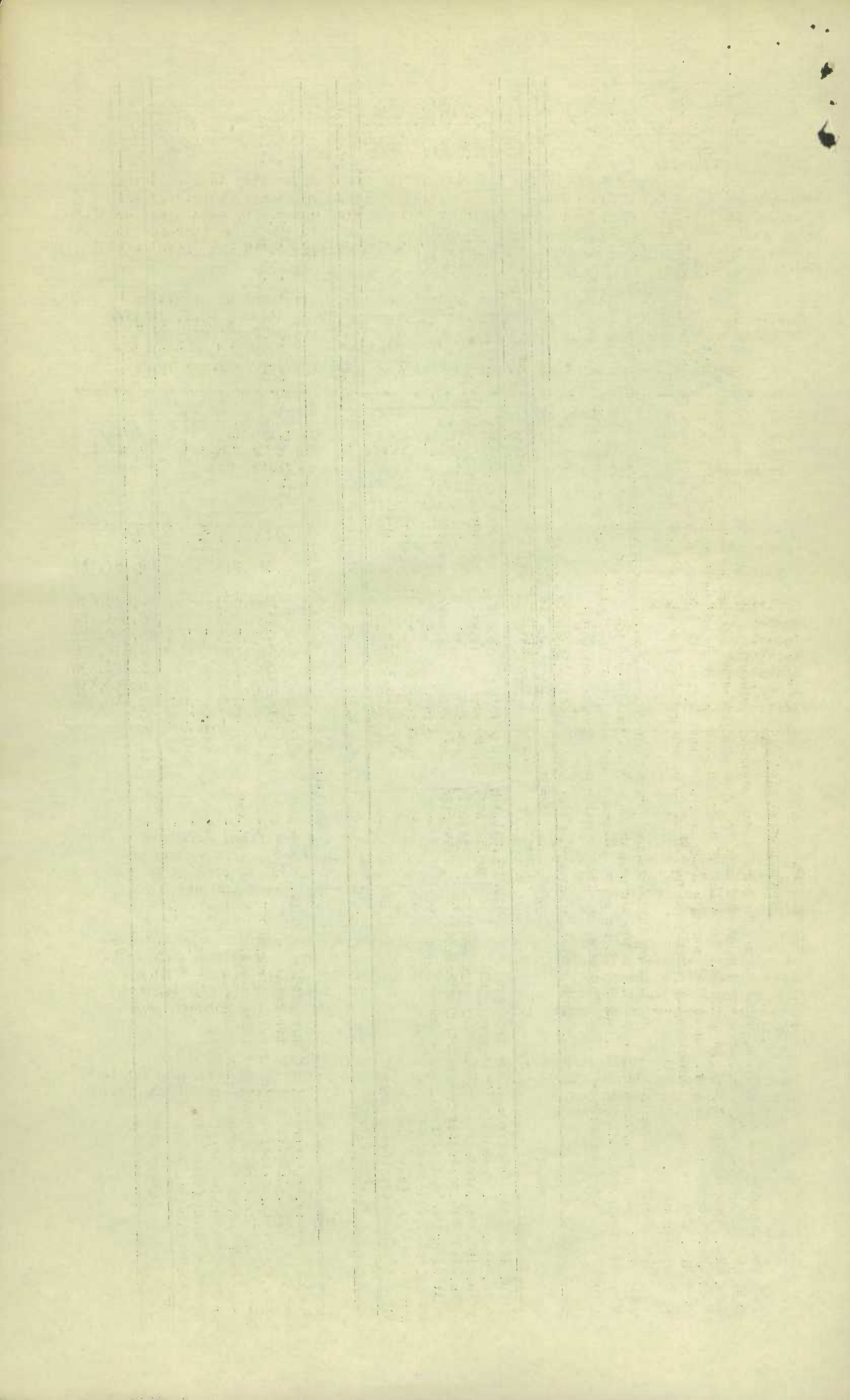
Production Statistics

The quantity and the selling value at the brewery of the principal products of the industry are shown for Canada and the provinces in Table 2. Full strength beer, ale, etc., in barrels decreased from the 1926 production by 337,328 gallons, for all Canada whilst bottled full strength beer, ale, etc., increased by 7,963,396 gallons. The value of beer, ale, etc., of full strength whether in barrels or bottles increased over 1926 by \$8,872,184. In beer, ale, etc., under full strength (2.5 and 4.4) there was in all Canada a further decrease of 1,657,042 gallons and of \$1,095,124 in value. The province of Ontario alone shows a decrease of 1,571,460 gallons and of \$1,058,287 in value, whilst the other provinces also show a decrease in value.

The average selling price of the bottled full strength product in 1927 was \$1.00 per gallon, and of the draft 71.5 cents per gallon, whilst that under full strength averaged at 97.3 cents per gallon in bottles and 78.3 cents for draft. Of the total quantity produced in 1927 the province of Quebec supplied 51.3 per cent, Ontario 25 per cent, Alberta 9 per cent, British Columbia 5.5 per cent, Manitoba 6 per cent, Saskatchewan 2.6 per cent and the Maritime provinces (New Brunswick and Nova Scotia) less than 1 per cent.

Table 2. Production in Breweries for Canada and the Provinces, 1927

Products	Unit	CANADA		Maritime Provinces		Quebec		Ontario	
		Quantity	Value	Quantity	Value	Quantity	Value	Quantity	Value
Beer, ale, etc. in barrels (full strength)	Gal.	15,231,340	10,899,630	58,235	53,662	6,205,033	2,749,052	4,153,435	4,411,665
Beer, ale, etc. in bottles (full strength)	"	38,744,841	38,764,966	372,948	587,864	21,973,294	17,107,910	8,652,167	10,051,698
Beer, ale, etc. in barrels (under full strength)	"	337,831	264,585	-	-	-	-	337,831	264,585
Beer, ale, etc. in bottles (under full strength)	"	598,016	581,910	18,447	21,001	-	-	543,187	523,592
Malt flour and malt extract (value only)	-	-	7,677	-	-	-	-	-	7,677
Grains sold, wet or dry (value only)	-	-	306,365	-	3,335	-	208,536	-	46,290
Aerated waters (value only)	-	-	609,591	-	1,823	-	-	-	302,434
All other products (value only)	-	-	93,300	-	-	-	-	-	19,434
TOTAL VALUE	-	-	51,528,024	-	667,685	-	20,065,498	-	15,627,375
		Manitoba		Saskatchewan		Alberta		British Columbia	
Beer, ale, etc. in barrels (full strength)	Gal.	246,540	226,034	-	-	3,043,061	2,335,252	1,525,036	1,123,965
Beer, ale, etc. in bottles (full strength)	"	2,985,010	4,284,711	1,439,195	2,292,741	1,852,940	1,961,733	1,469,287	2,478,309
Beer, ale, etc. in barrels (under full strength)	"	-	-	-	-	-	-	-	-
Beer, ale, etc. in bottles (under full strength)	"	27,046	24,200	-	-	9,336	13,117	-	-
Malt flour and malt extract (value only)	-	-	-	-	-	-	-	-	-
Grains sold, wet or dry (value only)	-	-	15,654	-	2,769	-	13,223	-	16,558
Aerated waters (value only)	-	-	209,710	-	-	-	81,245	-	14,379
All other products (value only)	-	-	52,591	-	1,862	-	13,420	-	5,993
TOTAL VALUE	-	-	4,812,900	-	2,297,372	-	4,417,990	-	3,639,204



THE BREWING INDUSTRY IN CANADA, 1927

Capital Investment

The amount of capital invested in the brewing industry in 1927 was \$62,358,117, of which fixed capital represented by land, buildings, machinery and tools totalled \$41,426,121 and working capital including materials, stocks and supplies on hand, cash, trading and operating accounts, etc. \$20,931,996. The increase in capital over the preceding year was \$8,464,175 of which \$5,551,118 was fixed capital and \$2,913,057 was working capital.

The per cent distribution of total capital investment by provinces according to rank was as follows:- Quebec 33, Ontario 32.6, Alberta 13.2, British Columbia 9.04, Manitoba 7.5, Saskatchewan 3.03, and the Maritime Provinces .64.

Table 3.- Capital Invested in the Brewing Industry by Provinces, 1927

Provinces	Fixed Capital	Working Capital		Total Capital
	Land, buildings, machinery and tools	Materials on hand, Stocks in process, Fuel and miscellaneous supplies	Cash, trading and operating accounts, and bills receivable	
	\$	\$	\$	\$
CANADA	41,426,121	8,909,120	12,022,876	62,358,117
Maritime Provinces	667,898	107,599	250,373	1,025,870
Quebec	14,147,125	3,176,287	3,239,768	20,563,180
Ontario	13,235,741	3,529,115	3,585,939	20,350,795
Manitoba	2,751,478	731,061	1,194,197	4,676,736
Saskatchewan	1,265,087	281,060	342,391	1,888,538
Alberta	5,129,687	675,272	2,405,475	8,210,434
British Columbia	4,229,105	408,726	1,004,733	5,642,564

Employment Statistics

Statistics of employment are presented in the following series of tables. Table 4 shows the average employment during the year by number, sex and remuneration, Table 5 shows the number of wage-earners by months according to sex with totals and averages, and Table 6 the operating time of plants and employees during the year.

The number of salaried employees and the amount paid in salaries both show increases over 1926, in employment by 194 and in salary payments of \$192,951. Wage-earners also increased by 492 and by \$510,200 in the amount paid for wages. The averages of salaries and wages were higher in 1926 than in 1927, the decrease in average salary irrespective of sex being \$394 and for wages the decrease was \$19.21.

Employment increased in Ontario by 584, in Quebec by 122, in the Maritime Provinces by 18, in Manitoba by 8 whilest Saskatchewan, Alberta and British Columbia show decreases respectively of 2, 5 and 39. The net increase in employment in the Dominion was therefore 686.

STATE OF NEW YORK
IN SENATE
January 15, 1913.

REPORT OF THE
COMMISSIONERS OF THE LAND OFFICE
IN RESPONSE TO RESOLUTION PASSED BY THE SENATE
MAY 18, 1912.

No.	Description	Area	Value
1	State Park	100	100
2	State Park	100	100
3	State Park	100	100
4	State Park	100	100
5	State Park	100	100
6	State Park	100	100
7	State Park	100	100
8	State Park	100	100
9	State Park	100	100
10	State Park	100	100

The following table shows the total area of the State Parks, and the amount of land owned by the State for the purpose of the same, as of the 1st day of January, 1913.

Total area of State Parks, 1,000,000 acres.
Total land owned by the State for the purpose of the same, 1,000,000 acres.

THE BREWING INDUSTRY IN CANADA, 1927

Employment Statistics (Cont'd)

Table 4. Employees by number, sex and remuneration, 1927.

Provinces	Employees on Salaries			Employees on Wages			Totals		
	Male	Female	Salaries	Male	Female	Wages	Male	Female	Salaries and Wages
	No.	No.	\$	No.	No.	\$	No.	No.	\$
CANADA	755	100	1,996,084	3,763	44	4,440,630	4,518	144	6,436,720
Maritime Provinces	17	-	67,908	71	5	67,863	88	5	135,771
Quebec	189	15	509,563	1,418	13	1,537,565	1,607	28	2,047,128
Ontario	303	65	719,242	1,286	12	1,401,623	1,589	77	2,120,865
Manitoba	103	9	344,989	421	8	585,441	524	17	930,430
Saskatchewan	17	2	58,355	101	-	129,736	118	2	188,091
Alberta	92	7	175,044	255	6	354,614	347	13	529,658
British Columbia	34	2	120,983	211	-	363,794	245	2	484,777

The number of wage-earners employed in the industry for the whole of Canada during 1927 is shown by months and sex in Table 5. The month of highest employment was August when there were on the payroll 4,313 persons, whilst the month of minimum employment was January was 3,167 on the payroll, the average for the year being 3,807 of whom 3,763 were males and 44 were females. The average monthly employment is the sum of the averages of individual plants divided by the number in operation, and not the total at employment divided by 12.

Table 5. Employment of Wage-earners by Months and Sex, 1927.

Months	Males No.	Females No.	Months	Males No.	Females No.
January	3,126	41	July	4,240	47
February	3,144	41	August	4,263	50
March	3,197	37	September	4,148	46
April	3,201	37	October	3,774	41
May	3,389	37	November	3,716	41
June	3,803	43	December	3,705	44
Total employment				43,706	505
Average monthly employment				3,763	44

The operating time of plants and employees is shown in Table 6. The operating time of plants is presented under three heads:- full time, part time and idle, whilst that of employees is shown by the day and the week.

Table 6. Operating Time of Plants and Employees, 1927.

Number of plants in operation during year	73	
	Totals	Averages
Days in operation on full time	19,076	261.31
Days in operation on part time	1,784	24.44
Days idle	1,332	18.25
Hours worked per day or shift per employees	649	8.89
Hours worked per week by employees	3,764	51.56

THE UNIVERSITY OF CHICAGO

DEPARTMENT OF CHEMISTRY

RECORD OF EXPERIMENTAL DATA

Date	Time	Temp.	Pressure	Sample		Remarks
				Weight	Volume	
11/11/11	10:00	25.0	760	0.100	10.0	Initial measurement
11/11/11	10:15	25.0	760	0.100	10.0	Control
11/11/11	10:30	25.0	760	0.100	10.0	Control
11/11/11	10:45	25.0	760	0.100	10.0	Control
11/11/11	11:00	25.0	760	0.100	10.0	Control
11/11/11	11:15	25.0	760	0.100	10.0	Control
11/11/11	11:30	25.0	760	0.100	10.0	Control
11/11/11	11:45	25.0	760	0.100	10.0	Control
11/11/11	12:00	25.0	760	0.100	10.0	Control

The following table shows the results of the experiment. The data indicates that the reaction rate is constant over the period of observation. The average rate of reaction is 0.100 units per hour. The standard deviation is 0.005 units per hour. The reaction is first order with respect to the concentration of the reactant.

Time (hr)	Concentration (M)	ln([A]₀/[A])	Rate (M/hr)
0	1.00	0.00	0.100
1	0.90	0.105	0.100
2	0.81	0.210	0.100
3	0.73	0.315	0.100
4	0.66	0.420	0.100
5	0.60	0.515	0.100
6	0.55	0.610	0.100
7	0.51	0.695	0.100
8	0.47	0.780	0.100
9	0.44	0.855	0.100
10	0.41	0.930	0.100

The reaction is first order with respect to the concentration of the reactant. The rate constant is 0.100 hr⁻¹. The half-life of the reaction is 7.07 hours. The activation energy of the reaction is 15.0 kJ/mol.

Time (hr)	ln([A]₀/[A])	Rate (M/hr)
0	0.00	0.100
1	0.105	0.100
2	0.210	0.100
3	0.315	0.100
4	0.420	0.100
5	0.515	0.100
6	0.610	0.100
7	0.695	0.100
8	0.780	0.100
9	0.855	0.100
10	0.930	0.100

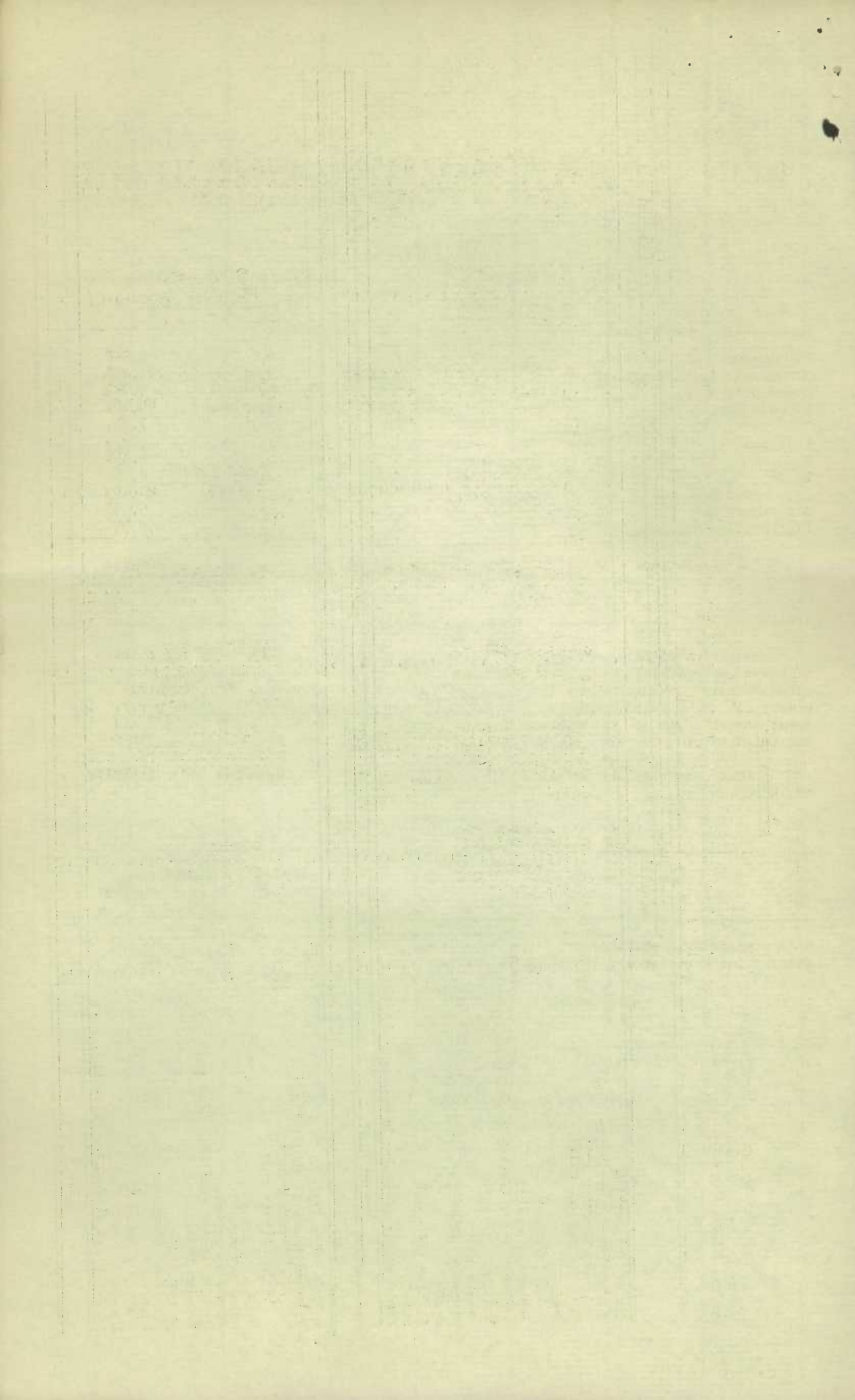
THE BREWING INDUSTRY IN CANADA, 1927

Materials Used

The quantity and the cost value delivered at the works of all materials used during 1927 including freight and duty is shown by provinces in Table 7. A comparison of the cost of various items of materials used in 1926 with the present year shows an increase in the cost of materials used in the Dominion during 1927 amounting to \$3,022,789, chiefly due to an increase of ten in the number of plants reporting.

Table 7. Cost of Materials used in 1927

	Unit	CANADA		Maritime Provinces		Quebec		Ontario	
		Quantity	Cost Value \$	Quantity	Cost Value \$	Quantity	Cost Value \$	Quantity	Cost Value \$
Barley for malting	Bush.	137,687	123,278	-	-	111,218	85,655	8,097	17,087
Malt purchased including duty:									
(a) Canadian malt	Pound	103,091,595	6,315,835	1,404,500	89,624	60,315,525	3,735,272	14,401,587	841,756
(b) Foreign malt	"	22,072,127	1,379,259	10,320	857	-	-	19,418,165	1,201,434
Hops	"	2,837,306	1,263,903	38,964	20,775	1,685,997	713,107	684,305	301,026
Water purchased	M.gal.	1,106,444	169,473	17,757	2,909	475,715	74,903	308,793	41,702
Anhydrous ammonia	Pound	76,366	15,600	1,880	366	24,581	4,092	25,214	4,495
Carbon dioxide (carbonic acid gas)	"	1,139,926	68,313	8,187	1,066	655,100	23,994	293,024	24,374
Calcium chloride	"	272,743	7,317	-	-	7,227	325	130,200	2,949
Common salt	"	478,515	4,021	500	10	132,282	1,310	316,180	2,285
Cooperage (barrels, all sizes)	-	-	515,126	-	3,101	-	54,419	-	301,762
Cases	-	-	572,718	-	7,087	-	95,305	-	229,206
Bottles purchased	-	-	4,721,218	-	134,806	-	941,688	-	1,977,914
Labels	-	-	254,032	-	3,006	-	85,619	-	65,128
Other supplies (crowns, corks, bungs, etc.)	-	-	2,061,206	-	24,112	-	345,757	-	1,076,907
TOTAL COST	-	-	17,471,299	-	287,719	-	6,161,446	-	6,168,025
Materials			Manitoba		Saskatchewan		Alberta		British Columbia
Barley for malting	Bush.	-	-	-	-	-	-	18,372	20,536
Malt purchased including duty:									
(a) Canadian malt	Pound	7,656,146	441,098	3,504,234	211,037	10,021,303	587,045	5,788,300	410,003
(b) Foreign malt	"	924,898	59,108	49,980	3,548	162,050	9,978	1,506,714	104,334
Hops	"	113,198	64,976	57,022	28,145	133,811	79,891	124,009	55,983
Water purchased	M.gal.	118,369	21,067	68,246	8,805	40,006	8,437	77,556	11,650
Anhydrous ammonia	Pound	10,873	2,505	2,685	767	5,883	1,994	5,250	1,381
Carbon dioxide (carbonic acid gas)	"	155,585	15,583	13,450	1,770	450	79	8,230	1,447
Calcium chloride	"	56,149	2,000	29,360	1,110	730	25	49,077	908
Common salt	"	8,095	124	2,925	52	-	-	18,533	240
Cooperage (barrels, all sizes)	-	-	16,189	-	423	-	30,446	-	28,786
Cases	-	-	100,921	-	71,456	-	58,357	-	10,386
Bottles purchased	-	-	411,859	-	445,143	-	276,840	-	532,968
Labels	-	-	27,340	-	13,451	-	46,036	-	13,452
Other supplies (crowns, corks, bungs, etc.)	-	-	250,143	-	117,303	-	110,083	-	128,901
TOTAL COST	-	-	1,420,913	-	903,010	-	1,209,211	-	1,320,975



THE BREWING INDUSTRY IN CANADA, 1927.

Fuel and Electricity

The quantity and cost value at the works of the various classes of fuel and of electricity consumed by the industry during 1927 is shown in Table 8. The total cost of fuel and electricity purchased which in 1926 amounted to \$743,608 had risen in 1927 to \$804,111. Coal was the principal fuel being over 90 per cent of the total cost of all fuel. The cost of electricity used rose from \$174,497 in 1926 to \$198,350, or an increased consumption of 13.6 per cent.

Table 8. - Fuel Consumption by Classes, 1927.

Kind of fuel	Unit	Quantity	Cost Value \$
Bituminous Coal, Canadian	Ton	56,737	349,942
Bituminous Coal, Imported	Tons	22,487	143,238
Anthracite Coal	Ton	1,140	9,027
Lignite Coal	Ton	12,111	49,103
Coke	Ton	754	7,617
Gasoline	Gal.	28,127	7,699
Fuel Oil	Gal.	58,018	4,351
Wood	Cord	1,809	8,693
Gas, natural	M C.ft.	109,478	20,493
All other fuel	-	-	5,598
Electricity purchased	K.W.H.	-	198,350
Total Cost of Fuel	-	-	804,111

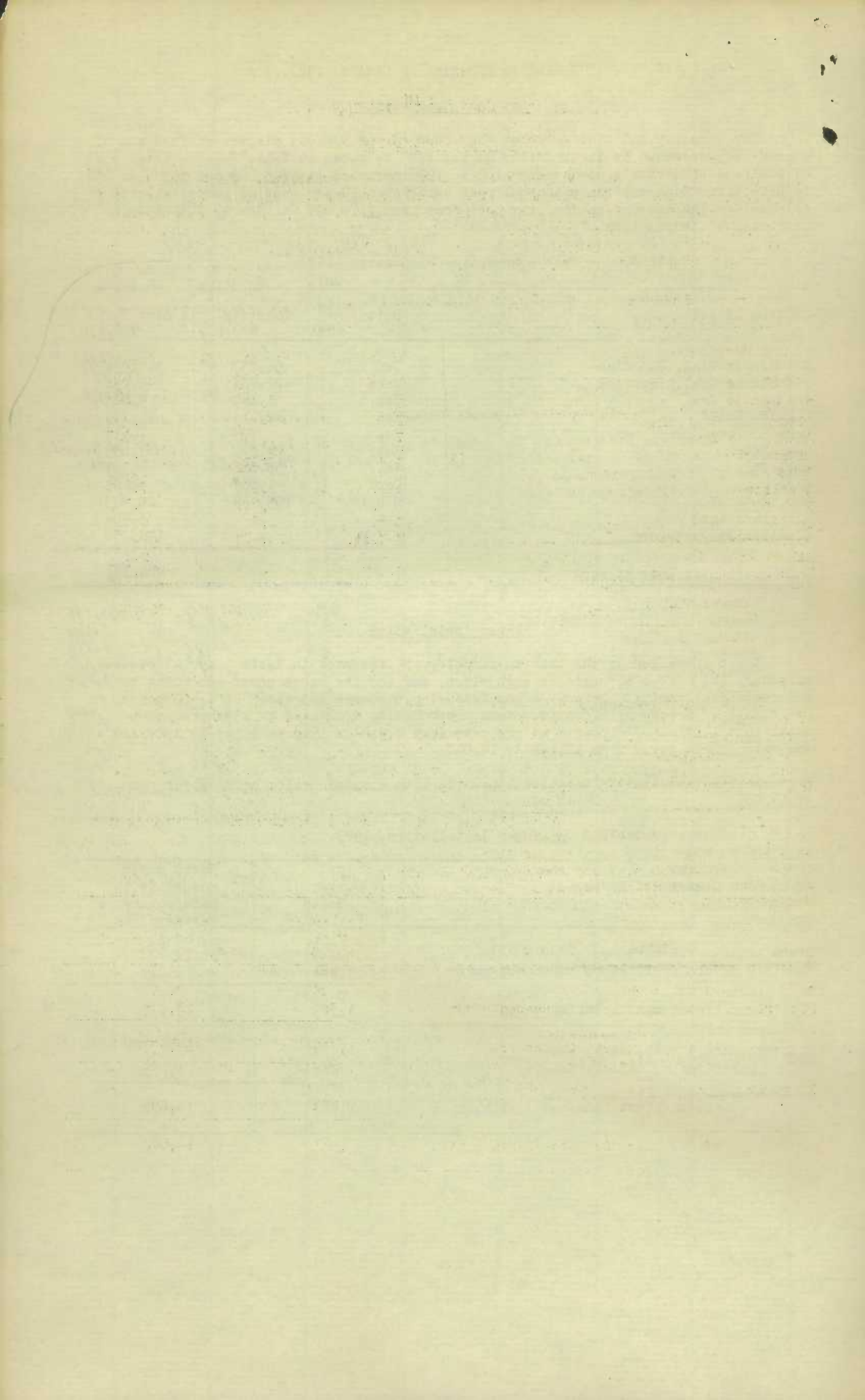
Power Installation

Power installed in the brewing industry is presented in Table 9 by (a) classes of power, (b) number of units in each class, and (c) the horse power according to manufacturers' rating. Power for manufacturing purposes increased by 1,400 horse power, all of which was electric, steam power having decreased by 193 horse power. The total installation of electric motors rose from 1,314 in 1926 to 1,563 in 1927, and the rated horse power from 12,158 to 14,070.

Boiler installation totalled 130 units with a rated boiler horse power capacity of 16,803.

Table 9. - Power Installation, 1927.

Classes of Power	Number of Units	Horse power according to manufacturers' rating
Steam engines and turbines	128	7,202
Electric motors operated by purchased power	1,381	12,775
Total manufacturing power	1,509	19,977
Electric motors operated by power generated by establishment	182	1,295
Total electric motor installation	1,563	14,070



THE BREWING INDUSTRY IN CANADA, 1927

IMPORTS, EXPORTS AND CONSUMPTION

Imports.- Table 10 shows the quantity and value of beer, ale, porter, etc. imported into Canada during the calendar year 1927 by countries. There was an increased importation of malt liquors in 1927 of 74,627 gallons and in value of \$89,690, over 65 per cent of which came from the United Kingdom.

Table 10. Imports of Beer, Ale, Porter, etc., 1927

Articles Imported by Countries	Unit	Quantity	Value \$
Ale, Beer and Porter	Gal.	223,025	410,150
From United Kingdom	"	146,774	295,636
" Japan	"	44,408	103,566
" Other Countries	"	31,843	10,948

Exports.- The quantity and value of Ale, Beer and Porter, the produce of Canada, exported is shown by countries in Table 11 for the calendar year 1927. Exports show a decrease of 322,922 gallons in quantity and in value of \$71,062. Over 99 per cent of the quantity exported had its destination in the United States.

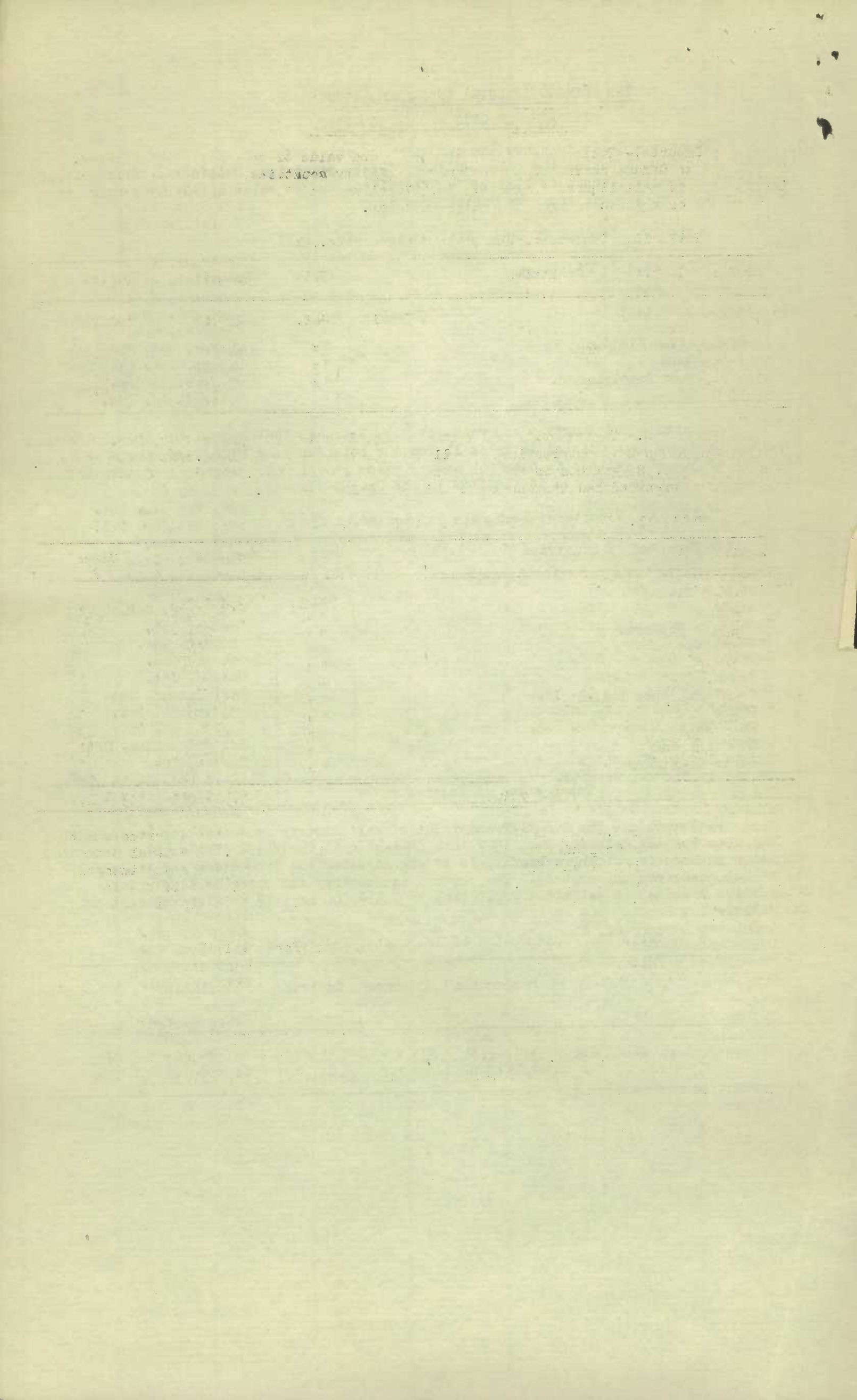
Table 11. Exports of Beer, Ale and Porter, 1927

Articles Exported by Countries	Unit	Quantity	Value \$
Ale, Beer, Porter, etc.-			
United States	Gal.	3,888,815	5,455,341
Bermuda	"	5,736	3,118
British Honduras	"	2,750	2,776
Barbados	"	540	280
Jamaica	"	810	1,064
Trinidad	"	-	-
Other Br. West Indies	"	1,657	1,995
China	"	5,100	5,550
Hong Kong	"	6,550	7,278
Newfoundland	"	3,450	2,981
Other Countries	"	755	824
Total value of Exports		3,916,163	5,481,707

Consumption.- The quantity and value of malt liquors available for consumption in Canada during the calendar year 1927, are presented in Table 12. The usual method of computing consumption of any commodity is to add together the production and imports and deduct therefrom the exports. The per capita quantity and value available for consumption based on an estimated population of 9,519,000 in 1927 is also included in the table.

Table 12. Consumption of Beer, Ale, and Porter, 1927

	Production	Imports	Exports	Available for Consumption	Per Capita Con- sumption
Ale, Beer, Porter, etc. Gal.	53,976,181	223,025	3,916,163	50,283,043	5.28
\$	49,664,596	410,150	5,481,707	44,593,039	4.69



THE BREWING INDUSTRY IN CANADA, 1927

BREWERIES

CANADA, 1927

Maritime Provinces -

Alex. Keith & Son (Nova Scotia Brewery)
Oland and Son, Limited
Oland Brewery, Ltd.
Ready's Beverages Ltd.

Halifax, N. S.
Halifax, N. S.
St. John, N. B.
Fairville, N. B.

Quebec -

Frontenac Breweries Ltd.
Molson's Brewery Ltd.
National Breweries Ltd. (Dawes)
National Breweries Ltd. (Dow)
National Breweries Ltd. (Ekers)
La Brasserie Champlain Limitee
National Breweries Ltd. (Boswell)
Silver Spring Brewery Ltd.
Mount Royal Breweries Limited

Montreal, Que.
Montreal, Que.
Montreal, Que.
Montreal, Que.
Montreal, Que.
Quebec, Que.
Quebec, Que.
Sherbrooke, Que.
Valleyfield, Que.

Ontario -

Quinte Breweries Limited
Bixel Brewing & Malting Co. Ltd.
Chas. Schwan (Lion Brewery)
Formosa Spring Brewery Limited
Fort Francis Brewing Co. Ltd.
Kakabeka Falls Brewing Co. Ltd.
Sleemans Spring Bank Brewery Co. Ltd.
Grant's Spring Brewery Co. Ltd.
Hamilton Brewing Association Ltd.
Kenora Brewing Co. Ltd.
Baether Brewing Co. Ltd.
Carling Breweries Limited
John Labatt, Limited
Capital Brewing Co. Ltd.
Brading Breweries Ltd.
Port Arthur Beverage Co. Ltd.
Riverside Brewery Co. Ltd.
Lake Ontario Brewing Co. Ltd.
Taylor and Bate
Sarnia Brewing Co. Ltd.
Soo Falls Brewing Co. Ltd.
Perth Brewery, Daniel Devlin
Sudbury Brewing & Malting Co. Ltd.
Cosgrave Export Brewery Co. of Toronto, Ltd.
Dominion Brewery Co. Ltd.
McCarthy Brewery and Cider Co. Ltd.
O'Keefe's Beverages Limited
Toronto Brewing and Malting Co. Ltd.
Walkerville Brewing Co. Ltd.
Reinhardt Brewery Co. Ltd.
Kuntz Brewery Limited
Cronmiller & White Brewing & Malting Co. Ltd.
British American Brewing Co. Ltd.

Belleville, Ont.
Brantford, Ont.
Carlsruhe, Ont.
Formosa, Ont.
Fort Francis, Ont.
Fort William, Ont.
Guelph, Ont.
Hamilton, Ont.
Hamilton, Ont.
Kenora, Ont.
Kitchener, Ont.
London, Ont.
London, Ont.
Ottawa, Ont.
Ottawa, Ont.
Port Arthur, Ont.
Riverside, Ont.
Walkerville, Ont.
St. Catharines, Ont.
Sarnia, Ont.
Sault Ste. Marie, Ont.
Stratford, Ont.
Sudbury, Ont.
Toronto, Ont.
Toronto, Ont.
Toronto, Ont.
Toronto, Ont.
Toronto, Ont.
Walkerville, Ont.
Toronto, Ont.
Waterloo, Ont.
Welland, Ont.
Windsor, Ont.

Manitoba -

Empire Brewing Co. Ltd.
Frederic Brewing Co. Ltd. 1925
Kiewel Brewing Co. Ltd.
Flewrys Limited
Macpherson Brewing Limited
Pelissier's Limited
Riedle Brewery Ltd.
Shea's Winnipeg Brewery Ltd.

Brandon, Man.
Brandon, Man.
St. Boniface, Man.
Winnipeg, Man.
Winnipeg, Man.
Winnipeg, Man.
Winnipeg, Man.
Winnipeg, Man.
Winnipeg, Man.

Saskatchewan -

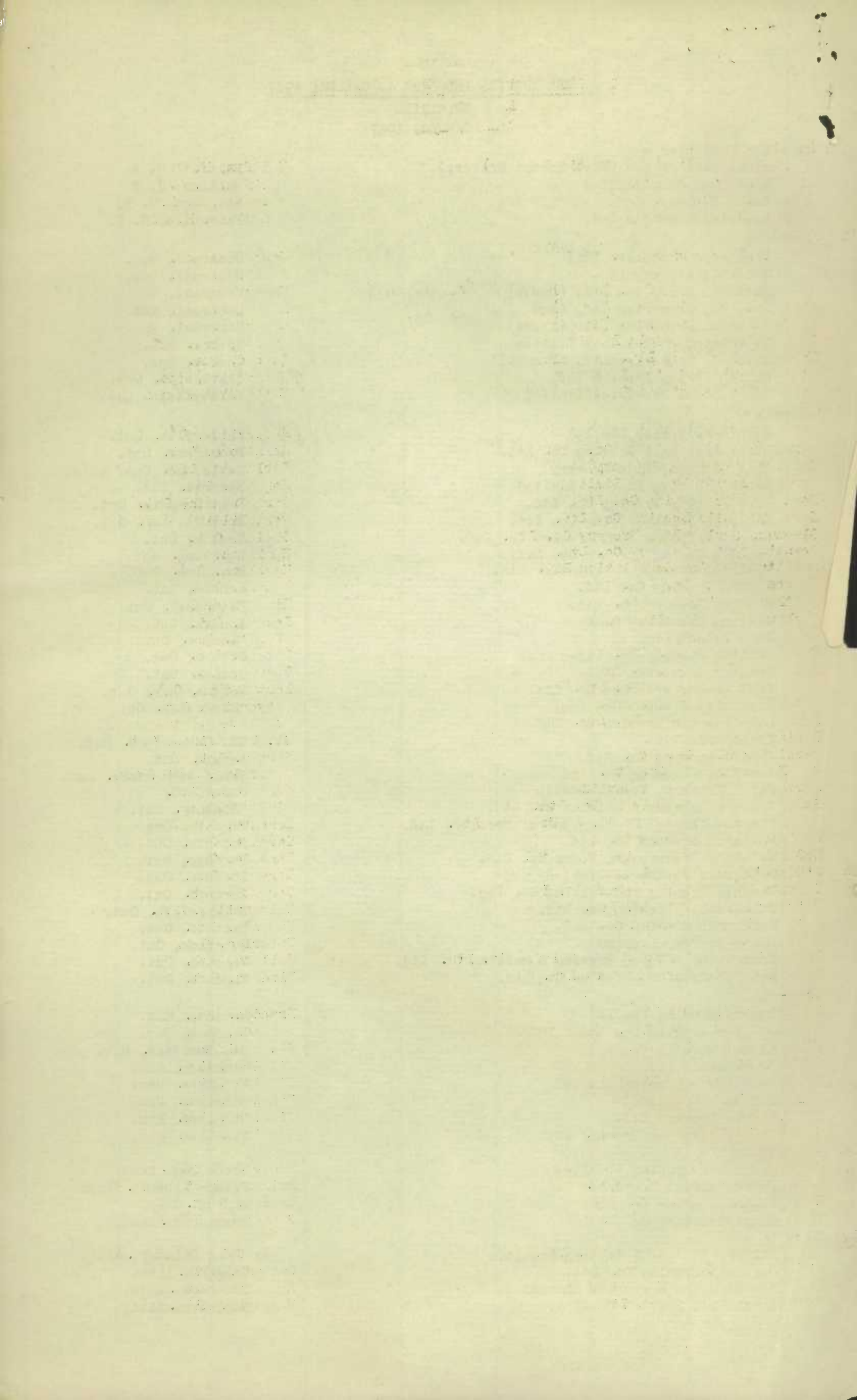
Moose Jaw Brewing Co. Ltd.
Prince Albert Breweries Ltd.
Regina Brewing Co. Ltd.
Saskatoon Brewing Co. Ltd.

Moose Jaw, Sask.
Prince Albert, Sask.
Regina, Sask.
Saskatoon, Sask.

Alberta -

Calgary Brewing & Malting Co. Ltd.
Big Horn Brewing Co. Ltd.
New Edmonton Breweries Limited
North West Brewing Co. Ltd.

East Calgary, Alta.
Calgary, Alta.
Edmonton, Alta.
Edmonton, Alta.



THE BREWING INDUSTRY IN CANADA, 1927

BREWRIES - Continued.

CANADA, 1927

Alberta - Cont'd.

Lethbridge Breweries Ltd.
Medicine Hat Breweries Co. Ltd.

Lethbridge, Alta.
Medicine Hat, Alta.

British Columbia -

Cranbrook Brewing Co. Ltd.
Ferne-Fort Steele Brewing Co. Ltd.
Nelson Brewing Co. Ltd.
Westminster Brewery Ltd.
Princeton Brewing Co. Ltd.
Enterprises Brewing Co.
Vancouver Breweries Ltd.
Silver Spring Brewery Ltd.
Victoria Phoenix Brewing Co. Ltd.

Cranbrook, B. C.
Ferne, B. C.
Nelson, B. C.
New Westminster, B. C.
Princeton, B. C.
Revelstoke, B. C.
Vancouver, B. C.
Victoria, B. C.
Victoria, B. C.

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