

32-206 (3)

NOT FOR LOAN
NE SONT A PRETER PAS

CANADA

DOMINION BUREAU OF STATISTICS

R. H. COATS,
Dominion Statistician

STATISTICS STATISTIQUE
CANADA CANADA
MAY 16 2010
LIBRARY
BIBLIOTHEQUE

Property of the Library
Received
Dom. Bureau of Statistics

THE DISTILLED AND MALT LIQUORS INDUSTRY
IN CANADA IN 1918

Property of the Library
Received SEP 1 1921
Dom. Bureau of Statistics

Advance Chapter of

"Chemicals and Allied Products in Canada in 1918"

Prepared under the direction of

S. J. COOK,

Chief of the
MINING, METALLURGICAL
and CHEMICAL Division

Ottawa
1921

THE DISTILLED AND MALT LIQUORS INDUSTRY IN CANADA

IN 1918

DISTILLED LIQUORS

Six establishments making distilled liquors in Canada in 1918 produced whiskies and other spirits valued at \$2,782,206. The total output including by-products of these plants had a selling value of \$2,834,797, and the materials used during the year cost, laid down at the plant, \$2,271,178.

Four of these plants were situated in Ontario, and one in each of the provinces of Quebec and British Columbia. The total investment amounted to \$10,018,168, of which \$3,105,507 represented cash, trading and operating accounts and bills receivable. Of the remainder, \$2,864,806 was the value of the land, buildings and fixtures, machinery and tools, leaving a balance of \$4,047,855 as the value of materials on hand, stocks in process, finished products, fuel and miscellaneous supplies on hand at the end of the year.

EMPLOYEES, SALARIES AND WAGES

The average number of persons on the pay-rolls during the year was 579. Based on this average, the per capita payment was \$1,054,58; the total salaries and wages paid being \$610,606.

The following table shows the distribution of the salaried employees and wage-earners in this industry. These figures do not represent the average for the year, but are compiled from tables of data supplied by the firms reporting, which show the normal distribution of staff on a day, when the plant is operating under ordinary conditions. The day so chosen is usually at the close of the year, unless the plant reporting is run during a part of the year only. The wage-earners are classified according to their weekly earnings.

TABLE I-EMPLOYEES AND WAGES

<u>SALARIED EMPLOYEES:</u>	<u>Male</u>	<u>Female</u>
Officers, superintendents and managers.....	38	...
Clerks, stenographers, salesmen and other salaried employees.....	79	18
<u>OFFICE-SUB-TOTAL.....</u>	<u>117</u>	<u>18</u>
 <u>WAGE-EARNERS receiving per week:</u>		
Under \$10.....	80	29
\$10 but less than \$15.....	72	15
\$15 but less than \$20.....	80	...
\$20 but less than \$25.....	113	...
\$25 and over.....	29	...
<u>WORKS SUB-TOTAL.....</u>	<u>374</u>	<u>44</u>
 <u>GRAND TOTAL.....</u>	 <u>491</u>	 <u>52</u>

Of the wage-earners, 8 males and 4 females were under 16 years of age; these were in the class receiving less than \$10 per week.

FUEL

The fuel used in this industry cost \$134,172, laid down at the plant, exclusive of any supplied to employees. Of this sum, \$131,105 was paid for 18,391 tons of bituminous coal.

The quantity, cost, nature and source of the fuel used are given in the following table:

TABLE 2-FUEL USED

KIND	Unit of Measure	CANADIAN		FOREIGN	
		Quantity	Cost at Plant	Quantity	Cost at Plant
Bifuminous coal, slack	Short Tons	...	...	18,048	\$129,046
" run of mine	"	343	\$ 2,059	...	...
Anthracite "lumps"	"	...	...	250	2,000
Snake.....	"	160	769	...	...
Gasoline.....	Gals..	808	298	...	...
TOTAL.....			\$3,126		\$131,046

MATERIALS USED

The following table shows the materials used in this industry during 1918 itemized as to quantity and cost at the factory:

TABLE 3-MATERIALS USED

KIND	Unit of Measure	Quantity	Cost
Corn.....	bushels	391,040	\$ 624,791
Rye.....	"	44,120	86,948
Other Grains.....	"	9,946	17,994
Malt.....	"	141,757	74,095
Molasses.....	Gals.	3,072,071	872,204
Water.....	"	1,195,310	2,245
Hops.....	Lbs.	5,596	1,641
Yeast.....	"	55,600	1,560
Cooperage stock.....	---	...	19,518
Barrels, bottles and cases purchased.....	---	...	223,904
Labels, corks, bungs, etc.....	---	...	196,118
All other miscellaneous materials.....	---	...	150,160
TOTAL.....			\$2,271,178

PRODUCTS

The quantities and selling value at the factory of the products of this industry are given in the following table:

TABLE 4-PRODUCTS

KIND	Unit of Measure	Quantity	Selling Value
Whiskies, and other spirits....	Proof gals.	3,702,020	\$2,782,206
Aerated Waters.....	----	...	6,258
All other products.....	----	...	46,333
TOTAL.....			\$2,834,797

MISCELLANEOUS EXPENSES

New construction and repairs to buildings and machinery executed during the year by the firm's own workmen cost \$48,318. Various other expenditures for power, insurance, provincial and municipal taxes, and rent of offices amounted to \$150,035. The miscellaneous expenditures are listed below:

TABLE 5-MISCELLANEOUS EXPENDITURES

Rent of offices, works and machinery.....	\$ 2,660
Rent of power.....	\$ 17,100
Insurance (premium for year only).....	\$ 75,503
(Internal revenue, etc.....)	\$ 337,320
Taxes-(Provincial, Municipal, etc.....)	\$ 54,772
Advertising expenses.....	\$ 53,921
Travelling expenses.....	\$ 11,324
Ordinary repairs to buildings, & machinery.....	\$ 48,951
All other sundry expenses (not including fuel costs, materials used salaries, and wages).....	\$ 213,204
TOTAL.....	\$ 814,755

By adding these miscellaneous expenditures to the salaries and wages and cost of fuel and materials used, the total disbursements for the year are found to have been \$3,830,711, a sum which exceeds the value of production by \$995,914. A condition peculiar to the distilled liquors industry is brought out by the data given above. As everyone knows, the alcohol produced for the manufacture of whiskey is placed in bond for a period of at least two years. Consequently the bottling of the product for sale may have little relation to the production during the year. Thus, among the materials used there are listed the grains and other commodities used during the year in the manufacture of distilled products, and there are also shown the consumption of bottles and other supplies used in making ready for the market the whiskey which has been aged in oak during two or more years. Production on the

other hand, is limited to the amount of products made during the twelve month period, from the commodities listed as used during the same time. This matter is having the attention of those in charge of the work in the Bureau, and it is expected that more complete reports will be issued on this subject in the future than it has been possible to prepare from the data now in hand.

MALT LIQUORS

The production of malt liquors in Canada in 1918 was valued at \$16,223,080 of which \$14,914,711 was the selling value, at the plants, of beer, ale and stout, the remainder being the value of the ^{by-}products \$1,308,369.

Of the 63 plants in operation during the year, over two-thirds of the number were located in 3 provinces, 24 being in Ontario, 14 in British Columbia and 10 in Quebec. Seven of the remaining 15 were in Manitoba, 4 in Alberta, 2 in New Brunswick, and one in each of the provinces of Nova Scotia and Saskatchewan.

The total assets of these establishments at the end of the year, were valued at \$32,433,507, of which \$7,850,252 represented cash, trading and operating accounts and bills receivable. Of the remainder, \$19,821,157 was the value of the land, buildings, and fixtures, machinery and tools, while the value of materials on hand, stocks in process, finished products, fuel and miscellaneous supplies on hand amounted to \$4,762,092.

EMPLOYEES, SALARIES AND WAGES

The average number of persons employed during the year was 2,750. Wages and salaries amounted to \$2,804,974 or \$1,020 per capita.

The following table shows the distribution of the salaried employees and wage-earners at the close of the year: The difference between the number of employees given in this table and the average number mentioned above is subject to the same explanation as given in the corresponding section under "Distilled Liquors."

TABLE 6-EMPLOYEES AND WAGES

<u>SALARIED EMPLOYEES:</u>	<u>Male</u>	<u>Female</u>
Officers, superintendents, managers.....	152	3
Clerks, stenographers, salesmen, and other salaried employees.....	295	60
OFFICE SUB-TOTAL.....	<u>447</u>	<u>63</u>

WAGE-EARNERS, receiving per week:	Male	Female
Under \$10.....	107	48
\$10, but under \$15.....	378	21
\$15, but under \$20.....	888	...
\$20, but under \$25.....	491	...
\$25 and over.....	191	...
WORKS SUB-TOTAL.....	2,055	69
GRAND TOTAL.....	2,502	132

FUEL

The fuel used in the malt liquor industry in 1918 cost \$525,539 laid down at the plants. Of this total the sum of \$456,062 was paid for 58,302 tons of bituminous coal of various grades.

The following table gives the quantity and cost of fuel of different kinds, as laid down at the plant, and is exclusive of any supplied to employees.

Table 7, FUEL USED

Kind	Unit of Measure	C A N A D I A N		F O R E I G N	
		Quantity	Value	Quantity	Value
	Short Tons				
Bituminous coal, slack....	Tons	12,351	\$ 86,324	20,377	\$167,534
" " lump.....	"	40	\$ 399	7,884	\$ 69,716
" " run of mine.	"	10,883	\$ 72,566	6,767	\$ 59,523
Anthracite coal, lump.....	"	...	...	956	\$ 6,821
" " dust or slack	"	...	...	5,958	\$ 36,979
Lignite.....	"	1,316	\$ 24,002	...	...
Coke.....	"	...	...	20	\$ 283
Oil (fuel).....	Gals.	...	...	72,012	\$ 3,970
Gasoline.....	"	2,600	\$ 781	2,577	\$ 850
Wood.....	cord	2,723	\$ 10,336	...	...
Gas.....	1000 cu. ft.	44,862	\$ 7,066	...	...
T O T A L.....			\$179,873		\$345,666

MATERIALS USED

The raw materials used, cost \$6,543,058 at the breweries.

The items are shown in the following table:

Table 8, MATERIALS USED

Kind	Unit of Measure	Quantity	Cost Value
Barley for malting.....	Bns.	222,923	\$ 329,117
Malt purchased, including duty...	"	1,232,640	\$3,178,285
Hops.....	Lbs.	1,064,406	\$ 403,205
Water.....	...	...	\$ 67,440
Copperage Stock.....	...	...	\$ 42,508
Boxes, barrels, bottles, purchased	...	...	\$1,300,100
Labels, crowns, corks, bungs, etc.	...	...	\$ 409,090
all other miscellaneous materials.	...	...	\$ 813,313
T O T A L.....			\$6,543,058

PRODUCTS

In the following table the products are itemized as to kind, quantity and selling value at the factory.

TABLE 9-PRODUCTS MADE

<u>KIND</u>	<u>Unit of Measure</u>	<u>Quantity</u>	<u>Selling Value</u>
Beer, ale, stout, porter in bbls.	gals.	15,898,217	\$ 6,610,033
Beer, ale, stout, porter in bottles	"	12,111,976	8,304,678
Malt made for sale.....	bus.	31,404	44,862
Grain and malt offal.....	tons	30,465	194,759
Aerated waters.....	---	...	665,402
Other beverages, cordials, etc...	---	...	254,421
All other products.....	---	...	148,905
TOTAL.....			\$16,223,080

MISCELLANEOUS EXPENSES

During 1918 the miscellaneous expenditures chargeable against production and sales totalled \$3,653,165 as shown in the following list:

TABLE 10-MISCELLANEOUS EXPENSES

Rent of offices, works & machinery.....	\$	14,513
Rent of power.....	\$	66,953
Insurance (premium for year only).....	\$	116,482
(Internal revenue, etc.....)	\$	667,640
Taxes (Provincial, municipal, etc.....)	\$	216,136
Royalties, use of patents, etc.....	\$	410
Advertising expenses.....	\$	203,526
Travelling expenses.....	\$	145,002
Repairs to buildings and machinery.....	\$	186,982
All other sundry expenses.....	\$	2,035,521
TOTAL.....	\$	3,653,165

IMPORTS AND EXPORTS

The two following tables show the imports and exports of various materials and beverages which are of interest in connection with the distilled and malt liquors industry.

TABLE 11-IMPORTS-1918

<u>KIND</u>	<u>Unit of Measure</u>	<u>Quantity</u>	<u>Value</u>
Barley, n.o.p.....	bus.	1,089	\$ 1,829
Corn (Indian) for purpose of distillation.....	"	464,886	\$ 615,841
Eye.....	"	18,974	\$ 33,685
Malt, whole, crushed, or ground.....	lbs.	251,664	\$ 13,181
Hops.....	"	849,270	\$ 175,583
Yeast, compressed.....	lbs..	3,560,751	\$ 912,463
Melasses.....	gals.	6,600,159	\$3,400,418
Ale, porter, lager & Other beer.....	"	35,242	\$ 33,785
Brandy, including artificial brandy and imitation of brandy, n.o.p.....	"	128,870	\$ 458,027
Gin.....	"	37,137	\$ 97,929
Whisky.....	"	323,418	\$1,373,386
Rum.....	"	128,825	\$ 114,433

TABLE 11-IMPORTS (Ctd.)

<u>KIND</u>	<u>Unit of Measure</u>	<u>Quantity</u>	<u>Value</u>
Beverages in the manufacture of which malt rice or corn is used when containing not more than 2½% proof spirits.....	gals.	48,600	\$ 42,441
Mineral and aerated waters, n.o.p. ...		...	\$ 105,333
TOTAL.....			\$ 7,378,354

TABLE 12-EXPORTS-1918

<u>KIND</u>	<u>Unit of Measure</u>	<u>Quantity</u>	<u>Value</u>
Barley.....	bus.	4,046,244	\$ 6,194,292
Corn (Indian).....	"	9,757	14,744
Rye.....	"	771,485	1,674,858
Malt.....	"	560,641	1,326,102
Mineral & Aerated water in bottles...	---	...	20,173
Ale or Beer.....	Gals.	230,336	178,023
Hops.....	lbs.	14,640	1,733
Gin.....	gals.	1,974	5,443
Whisky.....	"	528,823	\$ 1,374,406
TOTAL.....			\$10,789,774

STATISTICS CANADA LIBRARY
BIBLIOTHÈQUE STATISTIQUE CANADA



1010712752