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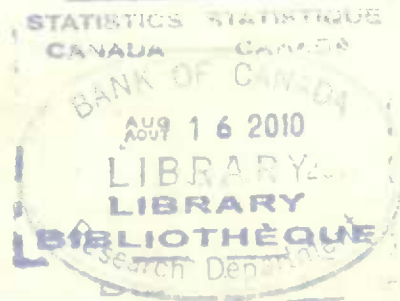
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# THE DISTILLING INDUSTRY 1959



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## PUBLICATIONS

The results of the annual Census of Industry are published by the Dominion Bureau of Statistics in a series of industry reports which are released each year as the compilations are completed. Reports for industries in the **Foods, Beverages and Tobacco** Major Group are listed below, along with current and annual publications of related interest. Similar reports are issued for other industries. A complete catalogue of publications of the Bureau is available on request from the Information Services Division, Dominion Bureau of Statistics, Ottawa, or from the Queen's Printer, Ottawa.

Catalogue number		Per copy	Per year	Catalogue number		Per copy	Per year
<b>General</b>				<b>Dairy Products</b>			
32-201	Foods and Beverages — General Review .....	\$.50		23-201	Dairy Statistics .....	\$.50	
31-001	Inventories, Shipments and Orders in Manufacturing Industries .....		\$4.00	32-002	Dairy Factory Production (Monthly) .....	.10	\$1.00
31-201	General Review of the Manufacturing Industries .....		2.00	32-009	Stocks of Dairy and Poultry Products (Monthly) .....	.20	2.00
65-004	Trade of Canada — Exports (Monthly) .....		7.50	32-209	Dairy Products Industries .....	.75	
65-007	Trade of Canada — Imports (Monthly) .....		7.50	32-210	Process Cheese Industry .....	.25	
<b>Bakery Products</b>				<b>Grain Mill Products</b>			
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32-207	Wine Industry .....	.25		<b>Other Food Industries</b>			
32-208	Carbonated Beverages Industry .....	.50		32-005	Margarine Statistics (Monthly) .....	.10	1.00
<b>Canning and Preserving</b>				32-006	Oils and Fats (Monthly).....	.10	1.00
22-003	Fruit and Vegetable Crop Reports (Seasonal) .....	.20	1.00	32-007	Quarterly Report on Processed Foods .....	.50	2.00
24-001	Fish Freezings and Stocks (Monthly) .....	.20	2.00	32-013	Sugar Situation (Monthly).....	.10	1.00
24-002	Monthly Review of Canadian Fisheries Statistics .....	.30	3.00	32-213	Confectionery Industry .....	.50	
24-201	Fisheries Statistics of Canada .....	.75		32-219	Macaroni and Kindred Products Industry .....	.25	
32-010	Stocks of Fruit and Vegetables (Monthly) .....	.20	2.00	32-222	Sugar Refining Industry .....	.50	
32-011	Quarterly Stocks of Canned Fruits and Vegetables on Hand .....	.50	2.00	32-223	Vegetable Oils Industry .....	.50	
32-211	Canned Foods Summary .....	.50		32-224	Miscellaneous Food Preparations Industry .....	.50	
32-212	Canned and Frozen Processed Foods .....	.25		<b>Tobacco and Tobacco Products</b>			
32-216	Fish Processing Industry .....	.50		22-205	Leaf Tobacco Production and Value .....	.25	
32-217	Stocks of Food Commodities in Cold Storage and Other Warehouses .....	.50		32-014	Quarterly Stocks and Consumption of Unmanufactured Tobacco .....	.50	2.00
32-218	Fruit and Vegetables Préparations Industry .....	.50		32-225	Tobacco and Tobacco Products Industries .....	.50	

**Note:** In addition, several special statements are available. These include Monthly Meat Products, Monthly Stocks of Canned Foods, Monthly Production of Alfalfa Meal, Quarterly Bread and Bakery Products, 20 Seasonal Commodity Reports of Canned Fruits and Vegetables including Irish Potatoes.

*Remittances should be in the form of cheque or money order, made payable to the Receiver General of Canada and forwarded to the Information Services Division, Dominion Bureau of Statistics, or to the Queen's Printer, Ottawa, Canada.*

## EXPLANATORY NOTES

This report is one in a series of about 130 publications which present the results of the 1959 Census of Manufactures. Most reports in this series refer to specific industries, but there are summary reports for Canada and the provinces and for major industry groups. An annual Census of Manufactures has been carried out by the Dominion Bureau of Statistics since 1916.

Industry statistics given in these reports refer to number of establishments, employees, salaries and wages, cost of materials, supplies, fuel and electricity, gross value of shipments, inventories and value added by manufacturing. Details of materials used and products shipped are also given. Descriptions of the principal industry statistics, with special reference to 1959 are as follows:

### Period Covered

Firms are asked to submit figures for the calendar year, if at all possible, and most reports are on this basis. Financial year reports for periods differing from the calendar year are accepted in instances where the firms find it impossible to supply calendar year data from accounting records. However the data on employees, salaries and wages are requested on a calendar year basis in all cases.

### Establishment

Data for the annual census is collected on an establishment basis. A firm with more than one plant is required to file a report for each plant. In most cases an establishment is a complete factory. Sometimes, however, a plant is divided into two or more establishments when it carries out operations classifiable to different industries and when separate accounting records are available. Usually the statistics for an establishment relate only to the manufacturing activities. Other activities such as construction at the plant by its own employees, wholesale or retail activities carried on at the plant location, etc., are not included. Plants engaged solely in repair work (except in the case of furniture, shipbuilding, boat building, aircraft and railway rolling stock industries) are not included but plants occupied in assembling parts into complete units are included.

### Employees

Administrative and office employees include all executives and supervisory officials such as presidents, vice-presidents, secretaries, treasurers, etc., together with managers, professional and technical employees, superintendents and factory supervisors above the working foremen level and clerical employees. Working owners and partners are also included in this category.

Production and related workers include all other factory workmen whether paid on a monthly, weekly, hourly or piece-work basis. Working foremen doing work similar to that of the employees they supervise are included, as are maintenance, warehousing and delivery staffs. Employees on new construction work, in retail or wholesale operations, on outside piece work etc., are not included.

Production workers are reported by months, an average for the year being obtained by summing the monthly figures and dividing by twelve. This procedure is followed even though the plant did not operate in all months. Figures on employment refer to calendar years whether or not some establishments reported other data on a financial year basis.

### Salaries and Wages

Salaries and wages refer to gross earnings of the employees described above, including salaries, wages, commissions, bonuses, the value of room and board where provided, deductions for income tax and social services such as sickness and unemployment insurance, pensions, etc., as well as any other allowances forming part of the employees' wages. Payments for overtime are included.

Salaries refer to amounts paid to administrative and office employees. Withdrawals by working owners or partners for normal living expenses for self and family are included but not their withdrawals for income tax. Wages refer to the amounts paid to production and related workers as defined above. Data on earnings refer to the calendar year whether or not some establishments reported other data on a financial year basis.

### Cost of Fuel and Electricity

Figures for fuel refer to amounts actually used, (including fuel used in cars and trucks), not to purchases unless the quantities are the same. Values refer to the laid-down cost at the works, including freight, duty, etc.

### Materials and Supplies Used

Figures represent quantities and laid-down cost values, at the works, of materials and supplies actually used during the year whether purchased from others or received as transfers from other plants of the reporting company. Amounts paid to other manufacturers for work done on materials owned by the reporting company are included. Returnable containers or any other items charged to capital account are not included. Fuels are not included. Goods bought from others or received as transfers from other plants of reporting companies for resale without further processing are not included. Maintenance and repair supplies not chargeable to capital account are included.

### Factory Shipments

Factory shipments refer to shipments of goods made from own materials either in the reporting plant or by other manufacturers on the basis of a charge to the reporting plant for work done. All products and by-products shipped from the establishment are included whether for domestic use, export, or for government departments. Transfer shipments to sales outlets, distributing warehouses or to other manufacturing units of the reporting firm are included. Goods bought or received as transfers and resold without further processing are not included. Values are computed on f.o.b. plant or

plant warehouse basis, and do not include sales tax or excise duties. Values of containers not returnable are included. Amounts received in payment for work done on materials owned by others are included.

In a few industries such as shipbuilding, aircraft, etc., where work on principal products extend over a relatively long period, the value of production is recorded rather than the value of shipments. For those industries production is computed from the value of deliveries of complete units during the year plus the value of work done during the year on unfinished units less the value of work done in previous years on finished units delivered in the year under review.

### **Inventories**

Values represent the book values of manufacturing inventories owned and held at the reporting plant. Figures include inventories held in warehouses or selling outlets which have been included with plant operations for purposes of reporting shipments.

### **Value Added by Manufacturing**

Figures are computed from value of shipments plus or minus changes in inventories of finished goods and goods in process less cost of materials, fuel and electricity. This figure is sometimes referred to as net production.<sup>1</sup>

### **Standard Industrial Classification**

The Standard Industrial Classification Manual, prepared by the Dominion Bureau of Statistics, provides for 135 three-digit industries in the manufacturing sector, arranged in 17 major groups. Reporting establishments are classified or allotted to specific industries on the basis of the value of principal products made or shipped.

### **Short Forms**

Between 1949 and 1957, in an effort to ease the reporting burden for smaller firms, a short form was used asking for the total value of shipments only or, in a few cases where losses of detail were significant, for quantities and values of principal products. For purposes of publication, missing data were estimated on the basis of appropriate ratios. In general the cut-off point for these short forms was set at \$50,000 value of shipments. About 40% of the total number of establishments reported on the short form and accounted for less than 3 per cent of the total value of shipments.

In 1958, in order to establish a new base year, the small firms were asked to report all items of principal statistics together with some detail on materials and products.

<sup>1</sup> To arrive at the National Accounts concept of "gross domestic product at factor cost", it would be necessary to subtract also the cost of office supplies used, advertising, insurance and other goods and services obtained from other businesses. Data on these inputs are not collected on the annual Census of Manufactures. Value added figures for "The primary industries and construction" are published in D.B.S. publication 61-202, *Survey of Production*.

For the 1959 Census, the short form was used again, but further steps were taken to ease the respondents' burden. First, the general limit for short forms was raised to \$100,000 value of shipments. In addition, a new intermediate form was developed. This form is a shortened version of the long form in that most of the general questions were pared down and the detailed lists of materials and products were limited to the more important items. The general limits for firms in this category were set at between \$100,000-\$500,000 value of shipments, but in the case of both the short and intermediate forms there were lower cut-offs for a number of industries in which the smaller firms accounted for a larger share of total shipments. On the other hand, limits were raised where this could be done without a significant loss of coverage. On most of the short forms for 1959, in addition to total value of shipments, data on principal products were requested. In a few industries, where loss of employment and earnings data were considered too large because of higher cut-offs, a question on total payroll was placed on the short form.

The intermediate and long forms provide complete data for the compilation of all elements of principal industry statistics and the details of materials and products. The one-page short form, although containing data on principal products and total value of shipments, does not request information on other elements of principal statistics such as value of inventories, materials, fuel and electricity and, in most cases, employment and salaries and wages, nor does it contain detailed data on volume and value of materials used. For purposes of compiling aggregates of principal statistics by industry and by geographic location, the missing data for each establishment were estimated for 1959 by using, in general, ratios based on the change in the value of shipments between 1958 and 1959. The proportion of the estimated data was generally less than 5 per cent of the total in each category of principal statistics.

The general request for the principal items of products on the short form for 1959 permitted a fairly complete compilation of the detailed quantities and values of commodity shipments. In the case of the detailed quantities and values of materials, fuel and electricity, however, and the monthly distribution of production workers, only the totals of data actually reported on the intermediate and long forms are contained in published reports and no attempt was made as in past years to estimate the generally small proportion of individual totals represented by detailed items omitted from the short forms.

The new approach has relieved an additional 12,000 establishments from filling out the regular long form. Establishments now receiving the short form number in excess of 20,000 and account for more than 54 per cent of the total number of establishments and a little more than 3 per cent of the total value of shipments.

# THE DISTILLING INDUSTRY

1959

The Distilling Industry performs two distinct industrial operations, viz. (a) distillation of spirits which are placed in bond for maturing and which are, therefore, not sold during the current year, as well as the distillation of non-potable alcohol which may be sold during the year in which it is produced, and (b) bottling and blending of matured liquors which have been produced in previous years. It is extremely difficult to measure, free of duplication, the value of production, i.e. the new wealth created by the industry each year, as neither of the above sections of the industry when taken individually reflects the true value of production. To arrive at the value of production it was decided to collect statistics of both the products made as well as the products sold, with an adjustment being made for the sale of products made in previous years, i.e. liquors taken from bond and which were reported in the year of production at inventory values. Since 1953, value of sales is used in tables of Principal Statistics instead of value of production.

Starting in 1954 statistics were collected on opening and closing inventories of "raw materials and supplies", "goods in process" and "finished goods of own manufacture". A compilation showing these figures will be found in Table 6.

In 1959 there were twenty-one establishments operating in the distilling industry, one in Nova Scotia, seven in Quebec, nine in Ontario, one in Alberta and three in British Columbia. These establishments reported a payroll of 4,882 persons who received \$21,245,115 in salaries and wages. The cost of materials used amounted to \$53,821,727 and the selling value of products amounted to \$170,282,828.

The quantity of potable spirits produced during the year 1958, and placed in bond for maturing, totalled 24,325,071 proof gallons with an inventory value of \$14,912,404. Industrial alcohol produced was 5,773,359 proof gallons valued at \$2,153,793.

Sales of beverage spirits outside the industry (to Liquor Boards, export sales, etc.) amounted to 16,173,426 proof gallons valued at \$132,957,598, an increase of 2.5 p.c. in volume and of 5.9 p.c. in value over 1957. Value of sales of industrial alcohol, at \$4,294,321, showed a slight increase over the preceeding year.

Corn with a volume of 128,737 tons and valued at \$6,815,349 was the most important grain used. Malt used totalled 20,616 tons valued at \$2,124,828 while molasses used totalled 28,137 tons with a value of \$1,025,206. Sulphite liquor derived from the Pulp and Paper Industry is also a material in the production of industrial alcohol.

Detailed statistics of production and sales, materials used, imports and exports, employment, etc. will be found in the following tables.

In Table 1, showing principal statistics of the industry, a column has been added headed "value added by manufacture". These figures are obtained by subtracting the cost of materials used and of fuel and electricity from the value of production. Since 1954, the value of production has been obtained by adding the difference between closing and opening inventory values of "finished goods" and "goods in process" to the sales value. Previous to 1954 inventory values were not available. The following Table illustrates the procedure of arriving at "Value Added by Manufacture" from 1953 to 1959 inclusive.

Year	Value of factory shipments	Change in inventory	Value of production	Cost of materials	Cost of fuel and electricity	Value added by manufacture <sup>1</sup>
thousands of dollars						
1953 <sup>2</sup> .....	..	..	123,518	44,308	2,051	77,159
1954.....	125,966	+3,284	129,250	45,250	2,212	81,788
1955.....	129,630	+3,393	133,023	44,385	2,235	86,403
1956.....	144,403	+3,316	147,719	51,134	2,578	94,007
1957.....	148,435	+5,283	153,718	52,088	2,795	98,835
1958.....	158,476	+4,340	162,816	55,280	2,633	104,903
1959.....	170,283	-1,428	168,855	53,822	2,472	112,562

<sup>1</sup> Historical series on "Value added by manufacture" included in Table 1.

<sup>2</sup> Previous years were computed as in 1953.

.. Figures not available.

**TABLE 1. Principal Statistics of the Distilling Industry, Significant Years 1929-57  
and by Provinces 1958 and 1959**

Year and provinces	Estab- lish- ments	Em- ployees	Salaries and wages	Cost of fuel and electricity	Cost at plant of materials used	Value added by manufacture	Value of production <sup>1</sup>
	number				dollars		
1929 .....	20	2,219	3,132,497	707,750	12,928,920	30,115,750	43,752,420
1931 .....	23	1,822	2,223,477	396,009	5,463,753	7,196,209	13,055,971
1933 .....	17	1,394	1,615,833	332,749	3,655,641	6,474,709	10,463,099
1939 .....	14	1,801	2,403,666	432,372	5,786,624	12,582,007	18,801,003
1941 .....	15	2,094	3,019,771	666,155	8,490,536	13,795,748	22,952,439
1943 .....	16	2,742	4,331,961	1,031,114	15,038,821	18,076,155	34,146,090
1944 .....	17	3,180	5,377,040	1,392,422	20,533,253	24,793,883	46,719,558
1945 .....	18	3,839	6,547,838	1,523,937	23,957,216	34,722,574	60,203,727
1947 .....	18	4,088	7,874,156	1,628,524	28,557,924	38,191,901	68,378,349
1948 .....	18	4,213	9,416,330	2,054,163	34,418,708	44,972,176	81,445,047
1949 .....	20	4,033	9,890,966	1,897,285	28,004,756	46,974,654	76,876,695
1950 .....	20	4,121	10,555,240	1,858,810	30,115,026	56,439,577	88,413,413
1951 .....	20	4,643	12,938,163	2,204,991	43,393,190	68,097,335	113,695,516
1952 .....	21	4,784	14,129,557	2,062,522	43,188,519	70,733,919	115,984,960
1953 .....	21	5,110	15,432,739	2,050,571	44,308,034	77,159,302	123,517,907 <sup>2</sup>
1954 .....	21	5,049	16,110,835	2,211,672	45,250,201	81,788,290	125,966,501
1955 .....	20	5,179	17,647,985	2,235,285	44,385,387	86,402,608	129,629,813
1956 .....	21	5,438	19,327,549	2,577,873	51,134,121	94,007,432	144,403,075
1957 .....	21	5,250	19,974,662	2,795,079	52,087,555	98,835,527	145,434,888
1958							
Canada .....	21	5,036	20,498,449	2,632,738	55,280,000	104,902,541	158,475,648
Ontario .....	9	2,199	8,983,244	1,082,903	28,636,954	61,424,078	89,056,493
Quebec .....	7	2,076	8,774,422	1,074,957	17,638,606	34,169,763	51,639,536
Other provinces .....	5	761	2,740,783	474,878	9,004,440	9,308,700	17,779,619
1959							
Canada .....	21	4,882	21,245,115	2,471,872	53,821,727	112,561,562	170,282,828
Ontario .....	9	2,192	9,719,549	1,096,714	27,923,887	66,519,024	92,673,457
Quebec .....	7	2,034	9,007,935	1,034,534	16,955,998	36,704,030	55,935,997
Other provinces .....	5	656	2,517,631	340,624	8,941,842	9,338,508	21,673,374

<sup>1</sup> "Value of production" includes sales and intercompany transfers made within the distilling industry. (See Table 2, section (B) for these values in 1958 and 1959).

<sup>2</sup> The figures since 1953 are "sales" including sales and transfers within the distilling industry.

Note: Profits or losses cannot be estimated from Census figures as no data are collected for certain expense items, such as interest, rent, depreciation, taxes, insurance, advertising, etc.

**TABLE 1A. Principal Statistics of the Distilling Industry grouped according to the Size  
of Establishments, 1958 and 1959**

Establishments having a production of	Estab- lish- ments	Em- ployees	Salaries and wages	Cost of fuel and electricity	Cost at plant of materials used	Selling value of products
	number				dollars	
1958						
Under \$200,000 .....	—	—	—	—	—	—
\$ 200,000 to \$ 499,999 .....	—	—	—	—	—	—
500,000 " 999,999 .....	2	1,096	4,502,980	1,030,293	14,293,494	32,130,055
1,000,000 " 4,999,999 .....	12					
5,000,000 and over .....	7					
<b>Totals .....</b>	<b>21</b>	<b>5,036</b>	<b>20,498,449</b>	<b>2,632,738</b>	<b>55,280,000</b>	<b>158,475,648</b>
1959						
Under \$200,000 .....	—	—	—	—	—	—
\$ 200,000 to \$ 499,999 .....	—	—	—	—	—	—
500,000 " 999,999 .....	3	136	566,619	166,301	1,429,815	2,482,199
1,000,000 " 4,999,999 .....	9	833	3,565,181	694,568	10,920,911	25,890,062
5,000,000 and over .....	9	3,913	17,113,315	1,611,003	41,471,001	141,910,567
<b>Totals .....</b>	<b>21</b>	<b>4,882</b>	<b>21,245,115</b>	<b>2,471,872</b>	<b>53,821,727</b>	<b>170,282,828</b>

TABLE 2. Production and Sales excluding sales Tax and other duties

	1958		1959		
	Quantity	Value	Quantity	Value	
<b>Production</b>					
(A) New spirits produced during the year:					
1. Beverage spirits:					
(a) Distilled from grains .....	pf. gal.	22, 018, 351	14, 144, 563	23, 112, 219	14, 234, 418
(b) Distilled from molasses and fruit .....	"	772, 461	516, 808	1, 212, 852	677, 986
✓ 2. Industrial alcohol—produced as such .....	"	5, 984, 414	2, 325, 362	5, 773, 359	2, 153, 793
<b>Total new spirits produced during the year, with inventory value .....</b>	"	<b>28, 775, 226</b>	<b>16, 986, 733</b>	<b>30, 098, 430</b>	<b>17, 066, 197</b>
<b>Sales</b>					
(B) Sales of beverage spirits during the year (see also Table 3):					
1. Sales outside the industry:					
Whiskies:					
Highland .....	"	110, 074	905, 538	102, 679	889, 991
Canadian (rye) .....	"	13, 015, 826	106, 343, 563	13, 262, 005	113, 216, 951
Other types (Bourbon) .....	"	16, 800	115, 705	1	1
Brandies .....	"	88, 457	788, 391	1	1
Gins .....	"	1, 395, 121	9, 093, 118	1, 408, 804	9, 053, 958
Rums .....	"	759, 299	5, 326, 170	803, 640	5, 738, 956
Vodka .....	"	150, 648	1, 194, 637	164, 206	1, 223, 848
Liqueurs, cordials, cocktails, etc. ....	"	144, 868	1, 630, 329	142, 261	1, 608, 419
Other beverage spirits .....	"	96, 067	165, 406	289, 831	1, 225, 475
<b>Total sales outside the industry .....</b>	"	<b>15, 777, 160</b>	<b>125, 562, 857</b>	<b>16, 173, 426</b>	<b>132, 957, 598</b>
2. Value of sales and transfers within the industry .....	"	13, 013, 729	24, 361, 120	16, 861, 567	28, 789, 154
<b>Total value of beverage spirits sold .....</b>	"	<b>28, 790, 889</b>	<b>149, 923, 977</b>	<b>33, 034, 993</b>	<b>161, 746, 752</b>
✓ (C) Industrial alcohol sold during the year <sup>2</sup> (see also Table 4):					
1. Denatured (by end products):					
(a) Anti-freeze .....	std. gal.	3	3	4	4
(b) Solvents and cleaning fluids .....	"	1, 341, 637	1, 243, 114	4	4
(c) Rubbing alcohol .....	"	162, 680	160, 374	4	4
(d) Perfume manufacturing .....	"	3	3	4	4
(e) All other (including that for hospitals, research, etc.) .....	"	861, 666	856, 507	4	4
<b>Total denatured .....</b>	"	<b>2, 365, 983</b>	<b>2, 259, 995</b>	<b>4</b>	<b>4</b>
2. Not denatured .....	pf. gal.	4, 228, 294	1, 989, 786	4	4
<b>Total industrial alcohol .....</b>	"	<b>—</b>	<b>4, 249, 781</b>	<b>—</b>	<b>4, 294, 321</b>
✓ (D) Other products and by-products sold during the year:					
Fusel oil .....	Imp. gal.	19, 387	11, 364	23, 947	11, 659
Distillers' grains, dried .....	ton	42, 878	2, 089, 093	44, 960	2, 214, 891
Distillers' grains, sold wet .....	"	22, 390	47, 597	23, 718	51, 158
All other products .....	"	—	2, 153, 836	—	1, 964, 047
<b>Total selling value of all products sold during the year<sup>3</sup> .....</b>	"	<b>—</b>	<b>158, 475, 648</b>	<b>—</b>	<b>170, 282, 828</b>

<sup>1</sup> Included under "Other beverage spirits".<sup>2</sup> Includes the resale of 2,412,195 proof gallons of industrial alcohol in 1958 and 1,909,155 proof gallons in 1959.<sup>3</sup> Included under (e) "All other".<sup>4</sup> Confidential.<sup>5</sup> Includes sales and intercompany transfers made within the distilling industry. (See item (2) of Section (B) above).

Table 2, immediately preceding, shows gross sales (or shipments) of beverage spirits, by Distillers, during the year. In the table following, these sales are broken down to show separately (a) sales outside the distilling industry, including sales to Liquor Boards, export sales, etc. and (b) sales within the distilling industry, including intercom-

pany transfers and sales to subsidiaries and other distillers. The break-down is of interest since sales outside the industry represent a real disposal of products. It should be noted that values are selling values at the distillery, excluding sales and excise taxes, etc.

**TABLE 3. Beverage Spirits Sold or Transferred during the Year**

	Sales outside the distilling industry		Sales within the distilling industry	
	Quantity	Selling value	Quantity	Selling value
	pf. gal.	\$	pf. gal.	\$
<b>1958</b>				
Whiskies:				
(a) Highland .....	110,074	905,538	21,102	95,126
(b) Canadian (rye) .....	13,015,826	106,343,563	11,160,222	21,701,014
(c) Other types .....	16,800	115,705	1,389	6,390
Brandies .....	88,457	788,391	26,612	157,192
Gins .....	1,395,121	9,093,118	275,773	791,361
Rums .....	759,299	5,326,170	357,523	776,257
Vodka .....	150,648	1,194,637	15,093	61,571
Liqueurs, etc. ....	144,868	1,630,329	7,796	26,522
Other beverage spirits .....	96,067	165,406	1,148,219	745,687
<b>Totals</b> .....	<b>15,777,160</b>	<b>125,562,857</b>	<b>13,013,729</b>	<b>24,361,120</b>
<b>1959</b>				
Whiskies:				
(a) Highland .....	102,679	889,991	<sup>1</sup>	<sup>1</sup>
(b) Canadian (rye) .....	13,262,005	113,216,951	15,211,732	26,249,716
(c) Other types .....	<sup>1</sup>	<sup>1</sup>	<sup>1</sup>	<sup>1</sup>
Brandies .....	<sup>1</sup>	<sup>1</sup>	<sup>1</sup>	<sup>1</sup>
Gins .....	1,408,804	9,053,958	291,838	887,937
Rums .....	803,640	5,738,956	235,946	581,236
Vodka .....	164,206	1,223,848	37,304	92,088
Liqueurs, etc. ....	142,261	1,608,419	<sup>1</sup>	<sup>1</sup>
Other beverage spirits .....	289,831	1,225,475	1,084,387	978,177
<b>Totals</b> .....	<b>16,173,426</b>	<b>132,957,598</b>	<b>16,861,567</b>	<b>28,789,154</b>

<sup>1</sup> Confidential, included under "Other beverage spirits".

Table 4 shows, by raw material type, the number of Proof Gallons of industrial alcohol required to produce the products shown in Section (C) of Table 2.

**TABLE 4. Industrial Alcohol, by Raw Material Type**

	1958		1959	
	Denatured	Not denatured	Denatured	Not denatured
	proof gallons			
From grains .....	137,924	113,438	162,193	168,085
From molasses .....	—	1,689,381	—	2,210,083
From sulphite liquor .....	3,632,564	2,425,475	3,239,894	2,442,632
<b>Totals</b> .....	<b>3,770,488</b>	<b>4,228,294</b>	<b>3,402,087</b>	<b>4,820,800</b>



TABLE 5. Materials Used

	1958		1959	
	Quantity	Cost value	Quantity	Cost value
		\$		\$
<b>Materials used for distilling:</b>				
<b>Corn:</b>				
Canadian .....	lb. 115,364,812	2,861,364	120,677,950	3,005,839
Imported .....	" 131,981,411	3,798,941	136,795,207	3,809,510
Rye .....	" 62,783,334	1,354,632	68,967,911	1,412,325
Other grains .....	" 2,164,624	54,248	4,011,476	114,600
Malt, Canadian .....	" 39,760,216	2,059,886	41,231,032	2,124,828
Malt, imported .....	" 40,600	2,139	—	—
Sugar .....	" 754,361	60,705	557,855	40,066
Molasses .....	" 57,586,725	1,117,219	56,274,782	1,025,206
Water purchased .....	gal. 886,200,000	154,484	727,513,000	152,450
<b>Denaturants:</b>				
Wood alcohol .....	" 119,424	85,236	128,972	93,325
Other .....	—	111,979	—	151,789
Cooperage .....	—	1,350,244	—	1,641,194
Sulphite liquor, used in manufacturing alcohol .....	—	180,140	—	198,514
Other materials (fruit extracts, flavouring, hops, yeast, etc.) used for distilling .....	—	193,711	—	146,579
All other materials .....	—	1,212,156	—	1,100,138
<b>Total cost of materials used for distilling, etc. ....</b>	<b>—</b>	<b>14,597,084</b>	<b>—</b>	<b>15,016,363</b>
<b>Materials used for bottling:</b>				
Bottles, Canadian .....	—	6,121,603	—	6,287,894
Bottles, imported .....	—	2,539,030	—	2,729,282
Cases, wooden .....	—	92,284	—	147,061
Cases and cartons, other than wooden .....	—	2,787,132	—	2,830,924
Other packaging materials (cans, drums, labels, corks, etc.) .....	—	5,584,514	—	5,784,710
<b>Total cost of materials used for bottling .....</b>	<b>—</b>	<b>17,124,563</b>	<b>—</b>	<b>17,779,871</b>
<b>Beverage spirits purchased for bottling and blending:</b>				
<b>Whiskies:</b>				
Canadian .....	pf. gal. 9,242,635	13,824,882	9,400,043	13,449,295
Imported .....	" 1,084,380	2,680,240	848,499	2,131,404
<b>Brandies:</b>				
Canadian .....	" 33,224	122,920	29,571	101,240
Imported .....	" 113,860	323,202	115,105	330,956
<b>Gins:</b>				
Canadian .....	" 203,341	408,418	156,562	343,626
Imported .....	—	—	—	—
<b>Rums:</b>				
Canadian .....	pf. gal. 151,236	289,837	102,777	197,680
Imported .....	" 1,027,152	2,115,464	470,663	1,027,659
<b>Liqueurs, cordials, wines, etc.:</b>				
Canadian .....	" 24,961	184,985	30,579	212,162
Imported .....	" 13,685	88,611	11,061	66,841
<b>Other beverage spirits:</b>				
Canadian .....	" 509,199	655,922	555,496	682,576
Imported .....	" 29,983	100,847	67	268
<b>Industrial alcohol purchased for denaturing, etc.:</b>				
Canadian .....	" 2,412,195	925,508	1,909,155	725,175
Imported .....	—	—	—	—
<b>Total spirits purchased for bottling, blending, etc. pf. gal.</b>	<b>14,845,851</b>	<b>21,720,834</b>	<b>13,629,578</b>	<b>19,268,882</b>
Operating, maintenance and repair supplies .....	—	1,464,909	—	1,422,578
Amount paid out to others for work done on materials owned by this plant .....	—	372,610	—	334,033
<b>Total cost of materials, etc. ....</b>	<b>—</b>	<b>55,280,000</b>	<b>—</b>	<b>53,821,727</b>

TABLE 6. Inventories, 1959

Province	Raw materials and supplies	Goods in process <sup>1</sup>	Finished goods of own manufacture	Total inventory <sup>2</sup>
dollars				
Opening inventory: <sup>3</sup>				
Quebec .....	2,736,190	45,400,959	1,773,751	49,910,900
Ontario .....	5,516,815	51,805,234	1,187,271	58,509,320
Other provinces .....	1,084,426	16,458,409	560,751	18,103,586
<b>Canada .....</b>	<b>9,337,431</b>	<b>113,664,602</b>	<b>3,521,773</b>	<b>126,523,806</b>
Closing inventory:				
Quebec .....	3,326,018	43,882,263	2,051,012	49,259,293
Ontario .....	6,475,035	54,340,478	1,518,195	62,333,708
Other provinces .....	1,199,310	13,290,845	675,915	15,166,070
<b>Canada .....</b>	<b>11,000,363</b>	<b>111,513,586</b>	<b>4,245,122</b>	<b>126,759,071</b>

<sup>1</sup> Includes value of spirits held in maturing warehouses.

<sup>2</sup> Book value of all manufacturing inventories held at plants or plant warehouses.

<sup>3</sup> The Opening inventory for 1959 differs from the Closing inventory published for 1958 because of the receipt of revised data.

TABLE 7. Production Workers, by Months and Sex, 1958 and 1959

Months	1958			1959		
	Male	Female	Total	Male	Female	Total
number						
January .....	2,592	1,023	3,615	2,256	916	3,172
February .....	2,600	973	3,573	2,324	915	3,239
March .....	2,504	928	3,432	2,340	835	3,175
April .....	2,526	1,089	3,615	2,387	965	3,352
May .....	2,536	1,200	3,736	2,471	1,223	3,694
June .....	2,553	1,142	3,695	2,445	1,066	3,511
July .....	2,337	1,101	3,438	2,487	1,269	3,756
August .....	2,556	1,298	3,854	2,775	1,724	4,499
September .....	2,609	1,631	4,240	2,698	1,852	4,550
October .....	2,920	2,176	5,096	2,690	2,031	4,721
November .....	3,027	2,349	5,376	2,533	1,458	3,991
December .....	2,453	1,046	3,499	2,330	775	3,105
<b>Average number employed per month .....</b>	<b>2,602</b>	<b>1,329</b>	<b>3,931</b>	<b>2,465</b>	<b>1,254</b>	<b>3,719</b>

TABLE 8. Employees and their Earnings, by Province, 1958 and 1959

	Supervisory and office employees			Production workers			Total employees		Total earnings
	Male	Female	Total salaries	Male	Female	Total wages	Male	Female	Salaries and wages
1958									
<b>Canada .....</b>	<b>756</b>	<b>349</b>	<b>5,613,116</b>	<b>2,602</b>	<b>1,329</b>	<b>14,885,333</b>	<b>3,358</b>	<b>1,678</b>	<b>20,498,449</b>
Ontario .....	313	158	2,278,145	1,146	582	6,705,099	1,459	740	8,983,244
Quebec .....	357	159	2,822,483	1,049	511	5,951,939	1,406	670	8,774,422
Other provinces .....	86	32	512,488	407	236	2,228,295	493	268	2,740,783
1959									
<b>Canada .....</b>	<b>800</b>	<b>363</b>	<b>6,224,771</b>	<b>2,465</b>	<b>1,254</b>	<b>15,020,344</b>	<b>3,265</b>	<b>1,617</b>	<b>21,245,115</b>
Ontario .....	334	160	2,579,153	1,124	574	7,140,396	1,458	734	9,719,549
Quebec .....	382	174	3,125,823	1,001	477	5,882,112	1,383	651	9,007,935
Other provinces .....	84	29	519,795	340	203	1,997,836	424	232	2,517,631

TABLE 9. Imports and Exports of Distilled Liquors, 1958 and 1959

	1958		1959	
	Quantity	Value	Quantity	Value
	pf. gal.	\$	pf. gal.	\$
<b>Imports</b>				
Brandy .....	462,123	2,619,511	460,658	2,729,339
Gin of all kinds .....	174,076	802,916	192,691	843,574
Rum .....	1,767,156	4,173,255	1,240,345	3,752,981
Whiskey .....	1,922,435	9,236,186	1,498,087	7,932,181
Cordials and liqueurs .....	99,868	1,149,711	99,473	1,198,193
Ethyl and methyl alcohol .....	1,871,959	539,518	3,298,401	944,890
<b>Exports</b>				
Gin .....	21,147	88,331	23,636	90,746
Whiskey .....	8,267,521	70,276,313	9,413,165	78,262,453
Potable spirits, n.o.p. ....	7,271	46,478	9,094	57,940
Industrial alcohol:				
Non-potable spirits, n.o.p. ....	402,449	408,986	502,867	533,272

TABLE 10. Estimated Capital and Repair Expenditures in the Distilling Industry, 1949-59  
(Figures prepared in Business Finance Division)

	Capital expenditures			Repair expenditures			Capital and repair expenditures		
	Construc- tion	Machinery and equipment	Sub- total	Construc- tion	Machinery and equipment	Sub- total	Construc- tion	Machinery and equipment	Total
	thousands of dollars								
1949 .....	2,067	1,664	3,731	610	1,085	1,695	2,677	2,749	5,426
1950 .....	1,550	987	2,537	463	1,053	1,516	2,013	2,040	4,053
1951 .....	2,958	2,032	4,990	326	1,077	1,403	3,284	3,109	6,393
1952 .....	2,994	2,142	5,136	343	1,243	1,586	3,337	3,385	6,722
1953 .....	2,378	1,931	4,309	305	1,549	1,854	2,683	3,480	6,163
1954 .....	2,391	1,587	3,978	320	1,584	1,904	2,711	3,171	5,882
1955 .....	3,529	3,765	7,294	329	3,680	4,009	3,858	7,445	11,303
1956 .....	4,138	3,491	7,629	491	1,896	2,387	4,629	5,387	10,016
1957 .....	4,614	3,179	7,793	458	2,030	2,488	5,072	5,209	10,281
1958 .....	3,837	2,209	6,046	401	1,686	2,087	4,238	3,895	8,133
1959 <sup>P</sup> .....	5,811	4,503	10,314	487	1,749	2,236	6,298	6,252	12,550

<sup>P</sup> Preliminary figures.

TABLE 11. Fuel Consumption, 1958 and 1959

Kind	1958		1959		
	Quantity	Cost at plant	Quantity	Cost at plant	
		\$		\$	
Bituminous coal:					
(a) From Canadian Mines .....	ton	1,791	26,195	1,807	26,034
(b) Imported .....	"	83,211	894,051	85,871	903,504
Sub-bituminous coal (from Alberta mines) .....	"	7,745	101,700	—	—
Anthracite coal .....	"	472	6,606	491	6,899
Gasoline (including gasoline used in cars and trucks) .....	gal.	93,314	37,560	93,447	35,484
Fuel oil .....	"	10,305,049	941,795	9,851,148	781,383
Natural gas .....	M cu. ft.	163,827	29,945	387,790	107,746
Other fuel (steam, etc.) .....		—	311,859	—	311,747
Electricity purchased .....	kwh.	33,950,947	283,027	35,085,640	299,075
<b>Totals</b> .....		—	<b>2,632,738</b>	—	<b>2,471,872</b>



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## FOODS AND BEVERAGES

## List to Distilleries Reporting in 1959

Name of firm	Address	Code
McGuinness Maritimes Distillers, limited.....	Bridgetown, Nova Scotia	B
Canadian Schenley Limited.....	1 Salaberry St., Valleyfield, Quebec	B
Commercial Alcohols Limited.....	Gatineau, Quebec	B & I
Commercial Alcohols Limited.....	3120 Notre Dame St. E., Montreal, Quebec	N
Distillers Corporation Limited.....	Ville LaSalle, Quebec	B & I
Meagher Brothers & Company Limited.....	1161 Britannia St., Montreal, Quebec	B
Melchers Distilleries Limited.....	Berthierville, Quebec	B & I
Montmorency Distillery Limited.....	30 - 1st Avenue, Beauré, Quebec	B
Calvert Distillers Limited.....	Amherstburg, Ontario	B
Consolidated Alcohols Limited.....	2 Trinity St., Toronto, Ontario	I
H. Corby Distillery Limited.....	Corbyville, Ontario	B & I
W. & A. Gilbey (Canada) Limited.....	120 - 18th St., New Toronto, Ontario	B
Gooderham & Worts Limited.....	2 Trinity St., Toronto, Ontario	N,B
L.J. McGuinness & Co. Limited.....	2 Algoma St., Mimico, Ontario	N,B & I
The Ontario Paper Co. Limited.....	Thorold, Ontario	I
Joseph E. Seagram & Sons, Limited.....	Waterloo, Ontario	E
Hiram Walker & Sons, Limited.....	Walkerville, Ontario	B
Alberta Distillers Limited.....	14th St. & 34th Ave. S. E., Calgary, Alberta	B & I
The British Columbia Distillery Co. Limited.....	101 Braid St., New Westminster, B.C.	B
Canadian Melrose Distillers Limited.....	333 Brooksbank Ave., North Vancouver, B.C.	N
Thomas Adams Distillers Limited.....	8900 Shaughnessy St., Vancouver, B.C.	B

Code: "B" Beverage alcohol only; "I" Industrial alcohol only; "B & I" Beverage and Industrial; "N" no new spirits produced during the year.