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

REPORT
on the
LIQUORS DISTILLED
in
CANADA
1923 and 1924

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OTTAWA, CANADA

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DISTILLED LIQUORS, 1923 and 1924

Ottawa, October, 1925. A report on the distilled liquor industry in Canada for the years 1923 and 1924 is herewith presented, covering the operations of 9 individual plants in 1923 and 13 in 1924, located by provinces as follows.

Provinces	1923	1924	Increase
Ontario	3	4	1
Quebec	4	6	2
British Columbia	2	2	-
Manitoba	-	1	1
Total, Canada	9	13	4

Principal Statistics

A summary of the principal statistics of the distilled liquor industry in Canada is given in Table 1 compared for the calendar years 1923 and 1924.

Table 1. Principal Statistics compared for 1923-1924

		1923	1924	Increase / Decrease -
Establishments	No.	9	13	4
Capital	\$	16,135,724	22,556,007	6,420,283
Employees on salaries	No.	82	85	3
Salaries	\$	233,626	204,511	29,115
Employees on wages:(average number	No.	327	721	394
Wages	\$	322,832	819,011	496,179
Cost of fuel	\$	198,996	272,101	73,105
Power installation - Units	No.	97	105	8
Capacity	Horse-power	3,680	4,756	1,076
Cost of materials	\$	1,714,716	3,322,878	1,608,162
Gross value of products	\$	4,226,465	10,711,801	6,485,336
Net value of products	\$	2,511,749	7,388,923	4,877,174

Production Statistics

Tables 2 and 3 give the statistics of the distilled liquor industry in Canada by provinces for the calendar years 1923 and 1924 respectively. In order to avoid giving individual information it has been found necessary to combine the statistics of certain provinces. The total production of spirits for the calendar year 1923 amounted to 3,659,779 proof gallons, while in the calendar year 1924 it had risen to 7,123,353 proof gallons an increase of 3,463,580 gallons or 94.64 per cent. Potable spirits increased from 2,028,825 proof gallons in 1923 to 4,630,512 proof gallons in 1924 or 128.27 per cent whilst the production of industrial and commercial alcohols rose from 1,630,954 gallons in 1923 to 2,492,847 gallons in 1924 or a percent of increase of 52.84.

The province of Ontario produced 74.47 per cent of this total output of spirits in 1923 and 75.52 per cent in 1924. The value of production in the liquor distillation industry in Canada amounted to \$4,226,465 in the calendar year 1923 and to \$10,711,801 in 1924.

Table 2. Production by provinces, calendar year 1923

Principal Products	Canada		Ontario		Other Provinces /		
	Quantity	Value \$	Quantity	Value \$	Quantity	Value \$	
Whiskies and other potable spirits	proof gallon	2,028,825	3,080,266	1,564,132	2,200,328	464,693	879,938
Non-potable alcohol	"	1,630,954	837,863	1,161,342	591,732	469,612	246,131
Distiller's grains &c.	-	-	51,869	-	45,642	-	6,227
Denatured alcohol	gallon	205,564	206,971	-	-	205,564	206,971
Fusel oil	"	7,137	12,343	6,938	11,897	199	446
Yeast	Lb.	309,612	37,153	-	-	309,612	37,153
	Total	-	4,226,465	-	2,849,599	-	1,376,866

/ Includes - Quebec 4, British Columbia 2.

Table 3. Production by provinces, calendar year 1924

Principal Products	Canada		Ontario		Quebec		Other Provinces 2/		
	Quantity	Value \$	Quantity	Value \$	Quantity	Value \$	Quantity	Value \$	
Whiskies and other potable spirits	(Proof gallon	4,630,512	9,288,390	3,898,549	8,366,169	455,592	685,294	276,371	236,927
Non-potable alcohol	"	2,492,847	1,270,886	1,481,122	811,415	928,283	407,561	83,442	51,910
Distiller's grains &c.	-	-	84,611	-	78,514	-	3,112	-	2,985
Denatured Alcohol	gallon	117,116	50,359	-	-	117,116	50,359	-	-
Fusel oil	"	-	1,436	-	1,456	-	-	-	-
All Other Products	-	-	16,099	-	16,099	-	-	-	-
	Total	-	10,711,801	-	9,273,653	-	1,146,326	-	291,822

2. Includes - Manitoba 1, British Columbia 2.

Capital Employed

Capital employed in the industry during the calendar years 1923 and 1924 is shown as far as permissible by provinces in Tables 4 and 5. Fixed capital comprising land, buildings, machinery and tools which in 1923 amounted to \$6,001,580, increased to \$10,001,553 in 1924 by reason of the inclusion of four additional operating plants. Similarly, the items included under the head of working capital rose from a total of \$10,134,144 in 1923 to \$12,554,454 in 1924. The increase of fixed capital was therefore 66.6 per cent and of working capital 23.8 per cent.

In this distribution of capital by provinces Ontario in 1923 occupied first place with over 85 per cent of the total investment which fell to 81.6 per cent in 1924 owing to the establishment of additional plants, 2 in Quebec and one in Manitoba.

The total capital employed increased from \$16,135,724 in 1923 to \$22,556,007 in 1924 or approximately 40 per cent.

Table 4. Capital employed by provinces, 1923

Provinces	Fixed Capital		Working Capital		Total Capital
	.Lands, buildings, fixtures.	.Machinery and Tools	.Materials on hand, stocks in process	.Cash trading and Operating Accounts &c.	
	\$	\$	\$	\$	\$
Canada	3,557,555	2,444,025	4,763,880	5,370,264	16,135,724
Ontario	2,843,204	2,112,217	3,802,846	4,977,488	13,735,755
Other Provinces	714,351	331,808	961,034	392,776	2,399,969

Table 5. Capital employed by provinces, 1924

Provinces	Fixed Capital		Working Capital		Total Capital
	.Land, buildings, machinery & tools	.fixtures	.Materials on hand, stocks in process	.Cash trading and Operating Accounts	
	\$	\$	\$	\$	\$
Canada	10,001,553		7,376,422	5,178,032	22,556,007
Ontario	7,899,216		5,817,613	4,694,754	18,411,583
Quebec	1,354,241		836,982	379,455	2,570,678
Other Provinces	748,096		721,827	103,823	1,573,746

Employment Statistics

Tables 6, 7, and 8 present employment statistics under 3 heads. Table 6 gives the number at employment by sex and remuneration for each year covered by the reports. Table 7 shows the number of wage earners employed by months according to sex together with the totals and averages for each year, whilst table 8 gives the operating time of plants and employers with averages for each.

The number of persons on salaries and wages increased from 385 males and 24 females in 1923 to 711 males and 95 females in 1924 whilst the total payroll increased from \$556,458 in 1923 to \$1,023,522 in 1924, that is the total number employed showed an increase of 97 per cent, whilst salaries and wages increased almost by 84 per cent. The average wage paid in 1923 to employees regardless of sex was \$987 which in 1924 had increased to \$1,136 or 15 per cent.

Table 6. Employees salaries and wages, 1923 - 1924

Classes of employment	1923			1924		
	Male	Female	Salaries and wages	Male	Female	Salaries and wages
	No.	No.	\$	No.	No.	\$
Employees on salaries	78	4	233,626	74	11	204,511
" " wages (average No.)	307	20	322,832	637	84	819,011
Total	385	24	556,458	711	95	1,023,522

The number of employees in each month of the year is given by sex in the table below. The months of highest employment in 1923 were July and September when a total of 354 persons were employed while the month of lowest employment was October with a total of 296, the average for the year being 327. In 1924 the months of highest employment were November and December with totals of 884 and 880 persons respectively whilst the month of lowest employment was August with a total of 579, the average for the year being 721.

Table 7. Wage earners by months, 1923 - 1924.

Months	1923				1924				
	Male		Female		Male		Female		
	No.	No.	No.	No.	No.	No.	No.	No.	
January	282	23	652	88	July	333	21	535	75
February	286	23	688	90	August	317	21	521	58
March	297	24	660	62	September	333	21	549	61
April	301	21	648	58	October	284	12	633	102
May	311	20	628	82	November	303	12	759	125
June	314	20	598	95	December	320	21	769	111
Total						3,681	239	7,640	1,007
Average number employed during the year						307	20	637	84

The table following shows the number of days that plants were in operation during each year on (a) full time (b) part time and (c) idle. The average operating time of each plant whether on full or part time rose from 233 days in 1923 to 249 days in 1924. The hours of labour per day of each employee averaged 9 hours in 1923 as against 8.8 hours in 1924 with average hours per week of 64.1 in 1923 and of 53.8 in 1924.

Table 8. Days in operation and hours worked by wage earners, 1923 - 1924

	1923		1924	
	Total	Average	Total	Average
Number of establishments in operation	9		13	
Days in operation on full time	2,025	225.0	3,022	232.5
" " " " part time	72	8.0	215	16.5
Days idle	639	71.0	715	55.0
Number of hours worked by wage earners per day or shift	80	9.0	114	8.8
" " " " by wage earners per week	577	64.1	699	53.8

Fuel Consumption

The consumption of fuel in the industry is shown by classes, quantity and cost value for each of the years covered by this report in table 9. Bituminous coal is the principal fuel used and represented over 99 per cent of the total cost of all fuel in 1923 and 95.5 per cent in 1924.

The total cost of fuel rose from \$198,996 in 1923 to \$272,101 in 1924 being an increase of 36.7 per cent.

Table 9. Fuel Consumption, 1923 - 1924.

Kinds of fuel	Unit of Measure.	1923		1924	
		Quantity	Cost Value \$	Quantity	Cost Value \$
Bituminous Coal	Ton	28,350	137,752	47,572	259,883
Anthracite Coal	"	190	1,116	1,735	10,033
Coke	"	14	128	-	-
Oil (fuel)	Gallon	-	-	42,506	2,185
Total		-	198,996	-	272,101

Power Equipment

Power equipment in the industry is shown in table 10 by (a) the number of units in each class and (b) by the horse power capacity according to the manufacturer's rating. The number of power units increased from 97 in 1923 to 105 in 1924 and the horse power capacity from 3680 in 1923 to 4756 in 1924. Steam engines and turbines were the principal power producers in both years with 2735 h.p. and 4041 h.p. respectively. Electric motors driven by purchased power decreased from 945 h.p. in 1923 to 700 h.p. in 1924. Motors operated by power generated by the establishment increased from 43 with 701 h.p. in 1923 to 114 with 1596 h.p. in 1924. These figures, however, are not included in the totals of power equipment to avoid duplication.

Table 10. Power Equipment, 1923 and 1924.

Classes of Power	1923		1924	
	No. of Units	Horse power capacity	No. of Units	Horse power Capacity
Steam engines and turbines	28	2,735	66	4,041
Oil, gas and gasoline engines	-	-	1	15
Electric motors operated by purchased power	69	945	38	700
Total power Installation	97	3,680	105	4,756
Electric motors operated by power generated by the establishment not included above	43	701	114	1,596

Materials Used

The quantity of the principal materials used in the industry such as grains and molasses and also the total cost of all materials used is shown in Table 11, by provinces for the calendar years 1923 and 1924. The cost value of all materials in 1923 amounted to \$1,714,716 and in 1924 to \$3,322,878, an increase due to the greater production of spirits in the latter year.

Table 11. Materials used, 1923 and 1924.

Provinces	1923		
	Grains Lb.	Molasses Lb.	Total Cost of all materials \$
Ontario	35,789,536	19,822,476	1,286,715
Quebec	2,251,200	14,909,352	329,409
British Columbia	435,450	4,268,861	98,592
Canada Totals	38,476,186	39,000,689	1,714,716
Provinces	1924		
	Grains Lb.	Molasses Lb.	Total Cost of all materials \$
Ontario	72,132,832	22,321,600	2,712,350
Quebec	1,991,788	26,192,025	460,888
Manitoba & Br. Columbia	3,395,766	2,798,967	149,640
Canada Totals	77,520,378	51,312,592	3,322,878

Imports of Distilled Liquors

The imports of distilled liquors for consumption in Canada during the calendar years 1923 and 1924 are shown in table 12 by quantity and value and the principal countries from which imported. In 1924 there was a decrease in the total value of imports as compared with 1923 amounting to \$629,376 due to the falling off in imports of whiskey which fell from 754,743 gallons in 1923 to 681,689 gallons in 1924.

Table 12. Imports of Distilled Liquors for the Calendar Years 1923-1924

Articles Imported by Countries	1923		1924	
	Quantity	Value	Quantity	Value
Absinthe-				
United Kingdom.....Gal.	6	52	15	149
France	85	1,157	18	185
Totals	91	1,209	33	334
Brandy, all kinds-				
United Kingdom.....Gal.	1,870	24,977	1,242	19,370
United States	361	1,419	1,214	5,392
France	126,461	937,333	171,363	1,027,100
Spain	1,068	3,697	2	21
Other Countries	668	6,743	1,730	7,602
Totals	130,428	974,169	176,151	1,059,485
Cordials & liquors, all kinds, n.o.p.-				
United Kingdom.....Gal.	606	10,032	1,007	18,759
United States	238	1,541	170	1,737
France	5,005	41,816	8,209	53,767
Spain	338	2,804	596	4,425
Hong-Kong	6,119	20,946	9,113	29,748
Other Countries	386	3,166	2,342	18,867
Totals	12,692	80,305	21,437	127,303
Gin, all kinds-				
United Kingdom.....Gal.	91,829	1,713,226	112,221	2,103,078
United States	23	338	-	-
Netherlands	79,678	664,598	84,692	682,984
Other Countries	210	4,905	5,452	7,749
Totals	172,340	2,383,067	202,365	2,793,811
Rum-				
United Kingdom.....Gal.	46,213	820,253	64,510	1,125,679
United States	3,872	15,446	3,777	14,253
Br. Guiana	49,827	138,264	23,177	113,322
Jamaica	45,845	234,167	50,715	211,368
France	1,199	8,763	1,695	10,622
Other Countries	3,216	22,769	1,535	12,120
Totals	150,232	1,240,262	145,409	1,487,364
Vermouth-				
United Kingdom.....Gal.	730	3,349	557	1,142
United States	39	182	-	-
France	9,979	20,413	14,760	23,558
Italy	14,242	19,690	18,105	26,290
Other Countries	439	897	266	687
Totals	25,429	44,531	33,682	51,677
Whiskey-				
United Kingdom.....Gal.	698,111	14,160,545	659,380	13,114,159
United States	8,943	161,569	9	148
France	43,625	366,447	18,404	164,731
Other Countries	4,064	37,719	3,896	25,393
Totals	754,743	14,726,280	681,689	13,304,431
All other Spirituous Liquors, n.o.p.-				
United Kingdom.....Gal.	2	31	16	424
United States	6	49	6	73
Other Countries	1,541	6,111	647	2,249
Totals	1,549	6,191	669	2,746
Grand Totals, Distilled Liquors.....	1,247,504	19,456,025	1,261,421	18,827,149

Exports, Distilled Liquors, 1923 and 1924

The quantity and value of distilled liquors, the produce of Canada, exported to certain specified countries during the calendar years 1923 and 1924 is presented in table 13. The total value of distilled liquors exported in 1923 amounted to \$8,391,484 and in 1924 to \$10,864,486. Exports of gin rose from 2,407 gallons in 1923 to 7,686 gallons in 1924, whiskey from 1,120,140 gallons to 1,180,711 gallons and other potable spirits from 8,132 gallons to 22,061 gallons.

Table 13. Exports of Distilled Liquors by Quantity and Value, 1923 and 1924

Articles exported by Countries	1923		1924	
	Quantity	Value \$	Quantity	Value \$
Gin-				
United KingdomGal.	-	-	-	-
United States "	2,009	27,232	7,366	108,723
Other Countries "	398	1,185	320	1,721
Totals	2,407	28,417	7,686	110,444
Whiskey-				
United KingdomGal.	175,072	821,130	15,435	64,189
United States "	206,928	3,150,944	325,910	5,289,080
Bermuda "	30,325	160,120	111,485	592,681
British Honduras "	35,858	140,753	12,126	54,625
Jamaica "	14,825	62,827	1,806	9,179
Other Br. West Indies... "	233,821	1,236,146	126,390	582,050
Cuba "	88,453	527,091	238,403	1,247,357
France "	11,905	70,085	1,044	4,400
Honduras "	22,987	110,860	15,260	74,400
Mexico "	41,745	285,163	14,425	85,284
Newfoundland "	73,783	325,194	87,729	548,917
St. Pierre - Miquelon... "	142,118	1,257,191	127,688	749,161
Other Countries "	42,320	196,619	103,010	587,213
Totals	1,120,140	8,344,123	1,180,711	9,888,536
Other Potable Spirits, n.o.p.-				
United KingdomGal.	5,082	10,200	20	54
United States "	9	153	2,402	38,432
Other Countries "	3,041	8,586	19,639	27,020
Totals	8,132	18,944	22,061	65,506
Grand Total of Exports, Distilled Liquors....	1,130,679	8,391,484	1,210,458	10,064,486

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