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

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REPORT  
on the  
LINSEED OIL INDUSTRY  
in  
CANADA  
1925

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Published by authority of the Hon. James Malcolm, M. P.,  
Minister of Trade and Commerce

♦ ♦ ♦

OTTAWA

1927

1993

## 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.

REPORT ON THE LINSEED OIL INDUSTRY IN CANADA, 1925.

Ottawa, May 1927. The statistics of the Linseed Oil Industry in Canada for the calendar year 1925 are presented in this report. The number of individual plants operating during the year was 8 located by provinces as follows: Quebec 3, Ontario 2, Manitoba 2, and Alberta 1. In order that information relating to individual plants may not be disclosed the statistics by provinces are omitted and only those for the Dominion given throughout the tables of this report.

Principal Statistics

A comparative summary of the principal statistics of the industry is presented in Table 1, for the calendar year 1924 and 1925.

Table 1. Principal Statistics compared 1924 and 1925.

Items		1924	1925
Establishments reporting	No.	8	8
Capital investment		2,231,354	2,490,462
Employees on salaries -			
Male	No.	32	31
Female	No.	6	6
Total salaries	\$	76,378	81,691
Employees on wages -			
Male	No.	177	174
Female	No.	2	2
Total wages	\$	210,599	199,155
Cost of fuel	\$	27,631	28,413
Power equipment			
Units	No.	69	68
H. P. capacity	H.P.	1,712	1,623
Cost of materials	\$	4,851,264	4,876,835
Gross value of products	\$	5,911,530	6,005,969
Net value of products	\$	1,060,266	1,129,134

Production Statistics, 1925

The quantity and the selling value at the mill or factory of the various commodities manufactured in the Dominion during the calendar year 1925 are shown in Table 2. Decreases occurred in the quantity of Linseed Oil, raw and boiled, but increases were reported in the other three items of production.

Products		1924	1925	Increase / Decrease -
Linseed oil, raw	Imp. Gals.	2,833,258	2,805,647	- 27,611
Linseed oil, boiled	" "	996,868	922,763	- 74,105
Oil cake	Ton	8,483	8,745	+ 262
Oil cake meal	"	28,293	28,807	+ 514
Special refined oils	Imp. Gals.	315,236	499,529	+184,293



# REPORT ON THE LINSEED OIL IN CANADA, 1925

## Production Statistics - Con.

When values of production are compared decreases appear in raw linseed oil of (\$68,126) linseed oil boiled of (\$65,764) and oil cake meal of (\$24,524) whilst increases appear in refined and special oils of (\$240,418) and oil cake of (\$39,526). The net increase in production over 1924 amounted to \$94,439.

Table 2. Production, by Quantity and Value, 1925.

Classes of Products	Unit of Measure	Quantity	Selling Value at Mill
Linseed oil, raw	Imp. Gal.	2,805,647	2,832,305
Linseed oil, boiled	" "	922,763	974,046
Refined and special oils	" "	439,529	548,035
Oil cake	Ton	8,745	382,680
Oil cake meal	"	28,807	1,268,903
Total value of products	-	-	6,005,969

## Capital Investment

The amount of capital invested in the linseed oil industry in Canada is shown in Table 3, under two heads:- Fixed capital which includes land buildings, machinery and tools and working capital which comprises materials and supplies on hand, stocks in process, finished products on hand and cash, trading and operating accounts etc. Fixed capital shows an increase of \$83,141 when compared with 1924. Working capital also shows an increase amounting to \$175,367 over the amount reported for the previous year.

Table 3. Capital invested, by Provinces, 1925.

Items of Capital	Canada	Quebec	Other Provinces
	\$	\$	\$
Fixed capital -			
Lands, buildings etc.)			
Machinery and tools )	1,400,715	711,720	688,945
Working capital -			
Materials and stocks on hand	814,953	426,105	388,848
Cash, trading and operating accounts, etc.	274,794	88,190	186,604
Total working capital	1,089,747	514,295	575,452
Grand Total of Capital	2,490,462	1,226,015	1,264,447

## REPORT ON THE LINSEED OIL IN CANADA, 1925.

Employment Statistics

Statistics of employment for the calendar year 1925 are shown under the three following heads:- (a) Employees by sex and remuneration; (b) employees by months and (c) working time of plants and employees. Table 4 presents statistics of employment by classes, sex and remuneration by provinces. Compared with 1924 there was a decrease in the total number employed in the industry of 4 and of \$6,131 in the payments for salaries and wages.

Table 4. Employees, Salaries and Wages, by Provinces, 1925.

Classes of employees by sex		Canada	Quebec	Other Provinces
Salaried employees -				
Male	No.	31	13	18
Female	No.	6	1	5
Total salaries	\$	81,691	40,594	41,097
Employees on wages, average No. -				
Male	No.	174	83	91
Female	No.	2	1	1
Total wages	\$	199,155	103,173	95,379
Total male employees	No.	205	96	109
Total female employees	No.	8	2	6
Total salaries and wages	\$	280,846	143,770	137,076

Employment by months:- The number of persons entered on the payroll during each month of the year is shown by sex in Table 5. The months of highest employment were January and February and those of lowest employment August and October. The average monthly employment was 176 of which males numbered 174 and females 2. This represents a decrease in the monthly average employment of 3 when compared with 1924.

Table 5. Employment by Months, 1925.

Months	No. of Employees		Months	No. of Employees	
	Male	Female		Male	Female
January	188	2	July	175	3
February	188	3	August	147	2
March	122	3	September	164	2
April	183	3	October	147	2
May	170	2	November	172	2
June	179	3	December	190	2
Total employment during year				2,085	29
Average employment per month				174	2

Working time:- Table 6 shows the operating time of plants under three heads (a) full time, (b) part time and (c) idle, and also the average hours of labour worked by employees per day or shift and per week. The average operating time of plants in the industry whether on full or part time was 269.3 days and the average hours of labour were 9.4 per day and 57.2 per week.

Table 6. Working time of Plants and Employees, 1925.

Number of plants reporting	8	
	Total	Average
Days in operation		
on full time	1,845	230.6
on part time	310	38.7
idle	277	34.7
Working time of employees		
per day or shift	2,004	9.4
per week	458	57.2



# REPORT ON THE LINSEED OIL IN CANADA, 1925.

## Fuel Consumption

The quantity and cost value of the fuel consumed by the industry during the year is shown in Table 7, by classes. The total cost of fuel was \$28,413 and of this total bituminous coal accounted for \$28,346 or over 99 per cent.

Table 7. Fuel used, by classes, 1925.

Classes of fuel		Quantity	Cost Value at Mill or Factory
Bituminous coal	Ton	3,718	28,346
Gasoline	Gal.	220	67
Total cost of fuel		-	28,413

## Power Installation

The power installed in the industry in 1925 is shown by kind, number of units and horse-power according to manufacturers rating in Table 8. Primary power installation was represented by 3 units including one each of steam engines and turbines, internal combustion engine and 1 hydraulic turbine with a total rated h.p. capacity of 212. Secondary power was represented by 65 motors of a rated h.p. capacity of 1,411. The cost of electricity purchased during the year was \$79,386. The number of boilers installed was 6 with a rated h.p. capacity of 489.

Table 8. Power Installed, 1925.

Kinds of Power	Number of Units	Horse-power according to manufacturers' rating
Steam engines and turbines	1	180
Internal combustion engines	1	12
Hydraulic turbines or water wheels	1	20
Total primary power	3	212
Electric motors operated by purchased power	65	1,411
Total power used in manufacturing	68	1,623

## Materials Used

The various items of materials used in the industry is given by provinces in Table 9 for the calendar year 1925.

Table 9. Materials used by provinces, 1925.

Principal Materials	Canada		Quebec		Other Provinces	
	Quantity Bushels	Cost Val-ue \$	Quantity Bushels	Cost Val-ue \$	Quantity Bushels	Cost Val-ue \$
Flax seed	1,983,496	1,736,248	1,140,882	2,770,445	842,614	1,965,803
Containers, etc.	-	38,483	-	45,711	-	52,772
All other materials	-	42,104	-	20,748	-	21,356
Total	-	4,876,835	-	2,836,904	-	2,039,931

REPORT ON THE LINSEED OIL IN CANADA, 1925.

IMPORTS AND EXPORTS

Imports of flax seed, oils and oilcake and meal, for consumption in Canada are shown in Table 10 by quantities and values and by principal countries for the calendar year 1925. The total value of imports for consumption in Canada fell from \$927,950 in 1924 to \$95,890 in 1925, whilst exports on the other hand show an increase from \$7,591,652 in 1924 to \$14,234,676 in 1925. According to the "Monthly Bulletin of Agriculture" the production of flax seed in Canada fell from 9,694,700 pounds valued at \$18,849,300 in 1924 to 9,297,100 pounds valued at \$18,462,500 in 1925, a decrease of 397,600 pounds and \$386,800 in value.

Table 10. Imports and Exports of Flax seed, Linseed oil and Oil cake and meal, 1925.

Articles by Countries	Imports		Exports	
	Quantity	Value \$	Quantity	Value \$
Flax or linseed oil boiled or raw- Lb.				
United Kingdom	177,598	20,580	-	-
United States	141,659	20,296	54	51
Netherlands	21,408	2,939	2,394	3,056
Other Countries	33	7	4,927	5,408
Total	340,698	43,822	7,375	8,495
Flax seed, n.o.p. - Bus.				
United Kingdom	2	8	-	-
United States	7	23	5,501,701	13,166,137
Belgium	160	550	-	-
Other Countries	312	824	-	-
Total	481	1,408	5,501,701	13,166,137
Linseed oil cake and meal - Cwt.				
United Kingdom	-	-	106,715	238,930
United States	22,513	50,660	64,087	119,711
Belgium	-	-	4,480	10,615
British Guiana	-	-	6,193	15,009
British West Indies	-	-	13,331	32,376
Netherlands	-	-	151,706	344,859
Other Countries	-	-	117,462	298,544
Total	22,513	50,660	463,974	1,060,044
Grand Total, Value of Imports and Exports	-	95,890	-	14,234,676

Consumption of Flax seed, Linseed oil and oil cake, 1925.

The consumption of the commodities referred to in the foregoing table is shown in Table 11. In order to compare the statistics of linseed oil, the quantity imported and exported has been converted into gallons at the rate of 9.35 lb. to the gallon of a stated specific gravity.

Table 11. Consumption of Flax seed, Linseed oil and oil cake and meal, 1925.

	Flax seed		Linseed oil, boiled or raw		Oil cake and meal	
	Quantity	Value	Quantity	Value	Quantity	Value
	Bush.	\$	Gallons	\$	Ton	\$
Production	9,297,100	18,462,500	922,763	974,046	37,552	1,651,583
Imports	481	1,408	36,438	43,822	1,125	50,660
Total	9,297,581	18,463,908	959,201	1,017,868	38,677	1,702,243
less Exports	5,501,701	13,166,137	788	8,495	23,198	1,060,044
Available for consumption	3,795,880	5,297,771	958,413	1,009,373	15,479	642,199

MEMORANDUM

TO: THE BOARD OF TRUSTEES  
FROM: THE PRESIDENT  
SUBJECT: [Illegible]

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APPENDIX

Firms engaged in the Linseed Oil Industry  
in Canada, 1925.

Canada Linseed Oil Mills, Ltd.,	1213 Notre Dame St. E.	Montreal, Que.
Dominion Linseed Oil Co. Ltd.,	31 Mill St.	" "
Sherwin-Williams Co. of Canada, Ltd.	897 Centre St.	" "
Dominion Linseed Oil Co. Ltd.		Baden, Ont.
Canada Linseed Oil Mills, Ltd.	281 Sorauren Ave. 3	Toronto, "
Dominion Linseed Oil Co. Ltd.		St. Boniface, Man.
Sherwin-Williams Co. of Canada, Ltd.	110 Sutherland St.	Winnipeg, "
Alberta Linseed Oil Co. Ltd.		Medicine Hat, Alta.



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