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REPORT  
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LINSEED OIL INDUSTRY  
in  
CANADA  
1930

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OTTAWA

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## 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.

Acting Chief, Census of Industry:

A. Cohen, B. Com.

REPORT ON THE LINSEED OIL INDUSTRY IN CANADA, 1930.

Ottawa, August, 1931. The statistics of the Linseed Oil Industry in Canada for the year 1930 are presented in this report. There were 3 plants operating during the year, 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 years 1928, 1929 and 1930.

Table 1. Principal Statistics compared, 1928-30.

Items		1930	1929	1928
Establishments reporting	No.	8	8	8
Capital Investment	\$	3,426,727	2,708,387	2,394,331
Employees on salaries -				
Male	No.	32	29	32
Female	No.	4	7	5
Total salaries	\$	92,495	94,806	90,267
Employees on wages -				
Male	No.	212	202	197
Female	No.	2	1	1
Total wages	\$	233,069	232,414	232,304
Cost of fuel and electricity	\$	67,072	63,658	59,815
Power equipment				
Units	No.	110	106	116
H.P. capacity	H.P.	1,837	1,863	1,997
Cost of Materials	\$	6,476,883	5,578,539	5,514,568
Gross value of products	\$	7,410,433	6,502,633	6,281,055
Net value of products	\$	933,550	924,094	766,487

Capital Investment

The amount of capital invested in the linseed oil industry in Canada is shown in Table 2, 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 \$181,162 when compared with 1929. Working capital also shows an increase amounting to \$537,178 over the amount reported for the previous year, which added to fixed capital makes a total increase in capital investment of \$718,340.

Table 2. Capital Invested 1929 - 1930.

Items of Capital	1929	1930
Fixed capital -		
Lands, building etc.)		
Machinery and tools )	1,358,842	1,540,004
Working capital -		
Materials and stocks on hand	702,162	1,074,040
Cash, trading and operating accounts etc	547,383	812,583
Total working capital	1,349,545	1,886,623
Grand Total of Capital	2,708,387	3,426,627





# REPORT ON THE LINSEED OIL INDUSTRY IN CANADA, 1930.

## PRODUCTION

Linseed oil, raw and boiled, is the principal item of production, the output 1930 amounting to 4,684,112 gals, valued at \$4,672,703. This is followed by oilcake meal with an output of 44,917 tons valued at \$2,066,314. Compared with 1929 there was an increase in the volume of linseed oil, oilcake and oilcake meal produced while the volume of refined and special linseed oils declined. Detailed figures of production for 1929 and 1930 are given in table 3.

Table 3. Production, by Quantity and Value, 1929-1930.

Classes of Products	Unit of Measure	1930		1929	
		Quantity	Selling value at mill	Quantity	Selling value at mill
Linseed Oil, raw	gal.	3,335,172	3,270,193	3,295,255	2,637,581
Linseed oil, boiled	"	1,348,940	1,402,510	1,047,646	837,070
Refined and special linseed oils	"	444,777	480,790	892,582	855,520
Oilcake	ton	3,126	147,347	2,607	123,928
Oilcake meal	"	44,917	2,066,314	41,326	2,041,336
All other products		-	43,279	-	7,198
Total value of products		-	7,410,433	-	6,502,633

## MATERIALS USED

The various items of materials used in the industry is given in table 4. Flaxseed is the most important material used and comprises about 97 per cent of the total.

Table 4. Materials used, 1929 - 1930.

Principal Materials	1930		1929	
	Quantity Bushels	Value \$	Quantity Bushels	Value \$
Flaxseed	2,589,605	6,265,951	2,466,881	5,316,903
Containers, etc.		73,368	-	102,685
All other materials		137,564	-	158,951
Total		6,476,883	-	5,578,539





# REPORT ON THE LINSEED OIL INDUSTRY IN CANADA, 1930.

## Size of Establishments.

In view of the tendency towards concentration in industrial enterprises, a series of tables has been prepared presenting in a threefold way the size of establishments in the industry measured by (a) capital investment, (b) gross value of production and (c) employment, all within certain specified groups or limitations for the calendar years 1929 and 1930. The tables further indicate the movement of capital, production and employment within the industry.

In 1930, the number of establishments reporting was 8 with a total capital investment of \$3,426,727, a total gross value of production of \$7,410,433 and a total employment of 250. Of the total number of establishments 6 had a capital investment of \$3,015,941 or 88 per cent of the total investment with an average investment of \$502,657 per establishment. In gross value of production 6 establishments had a total production of \$6,594,505 or 89 per cent of the total for the industry and an average production of \$1,099,084 per establishment. In employment 6 establishments had a total payroll of 218 or 87 per cent of the total number employed and an average employment of 36 per establishment.

### (a) Capital invested in establishments grouped according to value.

Groups of value of capital	1930			1929		
	Estab-lish-ments	Capital invested	Average capital	Estab-lish-ments	Capital invested	Average capital
	No.	\$	\$	No.	\$	\$
Under \$400,000	2	410,786	205,393	6	1,565,203	260,867
\$400,000 and over	6	3,015,941	502,657	2	1,143,184	571,592
T O T A L	8	3,426,727	428,341	8	2,708,387	338,548

### (b) Gross value of production in establishments grouped according to value.

Groups of value of Production	1930			1929		
	Estab-lish-ments	Gross Value of Production	Average Value of Production	Estab-lish-ments	Gross Value of Production	Average Value of Production
	No.	\$	\$	No.	\$	\$
\$200,000 to under \$500,000	2	815,928	407,964	2	766,015	383,008
\$500,000 to under \$800,000	2	1,238,030	619,015	3	1,907,092	635,697
\$800,000 and over	4	5,356,475	1,339,119	3	3,829,526	1,276,509
T O T A L	8	7,410,433	926,304	8	6,502,633	812,829

### (c) Employees in establishments grouped by number.

Groups of employees	1930			1929		
	Estab-lish-ments	Total Employees	Average Employees	Estab-lish-ments	Total Employees	Average Employees
	No.	No.	No.	No.	No.	No.
Under 20 employees	2	32	16	1	15	15
20 to under 30 employees	2	52	26	3	68	23
30 to under 60 employees	4	166	41	4	156	39
T O T A L	8	250	31	8	239	30

January 10, 1904

REPORT OF THE

COMMISSIONER OF THE LAND OFFICE

FOR THE YEAR 1903

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# REPORT ON THE LUBRIC OIL INDUSTRY IN CANADA, 1930.

employment and working time:- From table 5 which gives the monthly employment of wage-earners it may be seen that employment in this industry is fairly steady throughout the year with an average monthly employment in 1930 of 212 male and 2 female wage-earners. Table 6 shows the operating time of plants under three heads (a) full time, (b) part time and (c) idle, and also the hours 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 276.1 days and the average hours of labour were 9.6 per day and 55.2 per week.

Table 5. Employment of wage-earners by Months, 1930.

Months	Number of Wage-earners		Months	Number of Wage-earners	
	Male	Female		Male	Female
January	213	2	July	191	2
February	188	2	August	196	2
March	211	2	September	224	2
April	225	2	October	230	2
May	209	2	November	222	2
June	209	2	December	214	2
Total employment during year				2,532	24
Average employment per month				212	2

Table 6. Working time of Plants and Employees, 1930.

Number of plants reporting	8	
	Total	Average
Days in operation		
On full time	1,804	225.5
On part time	405	50.6
Idle	223	27.9
Working time of employees		
Hours worked per day or shift	2,056	9.6
Hours worked per week	11,804	55.2

Table 7. Fuel used, by Classes, 1930.

Classes of fuel		Quantity	Cost Value at Mill or Factory
Bituminous coal	Ton	3,181	20,823
Coke	"	784	5,225
Gasoline	Gal.	1,220	312
Gas, natural	m.c.ft.	4,122	320
Wood	Cord	60	421
All other	-	-	662
Electricity	-	-	39,309
Total cost of fuel and electricity			67,072

Table 8. Power installed, 1930.

Kinds of Power	Number of Units	Horse-power according to manufacturers' rating
Steam engines and turbines	7	46
Hydraulic turbines or water wheels	3	100
Electric motors operated by purchased power	100	1,741
Total power used in manufacturing	110	1,887
Boilers	10	730





# REPORT ON THE LINSEED OIL INDUSTRY IN CANADA, 1930.

## IMPORTS AND EXPORTS

Imports of flaxseed, oils and oilcake and meal, for consumption in Canada are shown in Table 9, by quantities and value and by principal countries for the calendar year 1930. The total value of imports for consumption in Canada dropped from \$2,877,692 in 1929 to \$1,963,294 in 1930. Exports also decreased from \$3,145,541 in 1929 to \$2,670,055 in 1930. According to the "Monthly Bulletin of Agricultural Statistics" the production of flaxseed in Canada rose from 2,060,400 bushels valued at \$4,898,000 in 1929 to 4,399,000 bushels valued at \$4,194,000 in 1930, an increase of 2,338,600 bushels and a decrease of \$704,000 in value.

Table 9. Imports and Export of Flaxseed, Linseed Oil, Oilcake and Oilcake meal, 1930.

Articles by Countries	Imports		Exports	
	Quantity	Value	Quantity	Value
Flaxseed or linseed oil, boiled or raw-Lb.	1,108,872	127,680	3,650 <sup>1</sup>	3,580
United Kingdom	" 595,764	57,708	-	-
United States	" 300,920	45,580	90*	120
Newfoundland	" -	-	3,090*	2,993
Other Countries	" 212,188	24,392	470*	467
Flaxseed, n.o.p.	Bush. 809,045	1,821,805	1,393,409	1,906,268
United Kingdom	" 116	364	742,562	920,627
United States	" 805	3,673	650,847	985,641
Argentina	" 805,657	1,811,609	-	-
Other Countries	" 2,467	6,159	-	-
Linseed oilcake and linseed oilcake meal -	Gwt. 6,182	13,809	359,062 <sup>2</sup>	760,207
United Kingdom	" 45	96	1,680	3,802
United States	" 4,631	11,183	297,460	647,316
British West Indies	" -	-	25,888	48,780
Netherlands	" 5	25	31,173	54,549
Australia	" 1,001	1,662	-	-
Japan	" 500	843	-	-
Other Countries	" -	-	2,868	5,760
GRAND TOTAL		1,963,294		2,670,055

<sup>1</sup>\* Quantity in gallons.

<sup>2</sup> Includes all oilcake, most of which, however, is linseed oilcake

## Consumption of Flaxseed, Linseed Oil and Oilcake, 1930.

The consumption of the commodities referred to in the foregoing table is shown in Table 10. In order to compare the statistics of linseed oil, the quantity imported has been converted into gallons at the rate of 9.35 lb. to the gallon of a stated specific gravity. The production of flaxseed is given as the crop of 1931.

Table 10. Consumption of Flaxseed, Linseed Oil and Oilcake and Meal, 1930.

	Flaxseed		Linseed oil, raw, boiled, etc.		Oilcake and Oilcake meal	
	Quantity Bush.	Value \$	Quantity Gallons.	Value \$	Quantity Ton	Value \$
Production	4,399,000	4,194,000	5,128,889	5,153,493	48,043	2,213,661
Imports	809,045	1,821,805	118,596	127,680	309	13,809
TOTAL	5,208,045	6,015,805	5,247,485	5,281,173	48,352	2,227,470
Less Exports	1,393,409	1,906,268	3,650	3,580	17,953	760,207
Available for Consumption	3,814,636	4,109,537	5,243,835	5,277,593	30,399	1,467,263





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APPENDIX

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Firms engaged in the Linseed Oil Industry in Canada

1930.

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The Canada Linseed Oil Mills, Ltd.,	2210 Notre Dame St. E. Montreal, Que.
The Dominion Linseed Oil Co. Ltd.,	837 Mill St., Montreal, Que.
The Sherwin-Williams Co. of Canada, Ltd.,	2875 Centre St., Montreal, Que.
The Dominion Linseed Oil Co. Ltd.,	Baden, Ontario.
The Canada Linseed Oil Mills, Ltd.,	40 Wabash Avenue, Toronto 3, Ont.
The Dominion Linseed Oil Co. Ltd.,	St. Boniface, Manitoba.
The Sherwin-Williams Co. of Canada Ltd.,	110 Sutherland St., Winnipeg, Manitoba.
The Alberta Linseed Oil Co. Ltd.,	Medicine Hat, Alberta.

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