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CANADA
DEPARTMENT OF TRADE AND COMMERCE
DOMINION BUREAU OF STATISTICS
CENSUS OF INDUSTRY
GENERAL MANUFACTURES BRANCH

REPORT

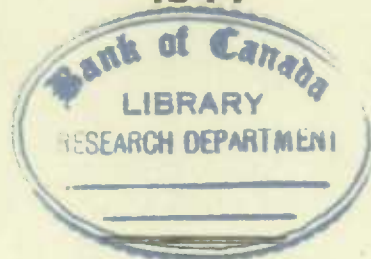
ON THE

VEGETABLE OIL INDUSTRY

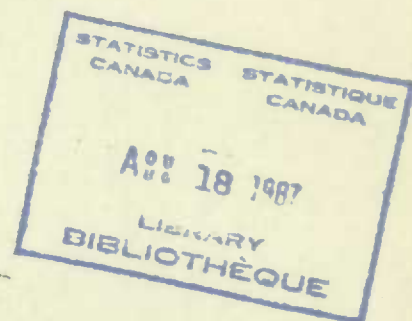
IN

CANADA

1944



OTTAWA
1945



Price 15 cents

DEPARTMENT OF TRADE AND COMMERCE

DOMINION BUREAU OF STATISTICS

GENERAL MANUFACTURES BRANCH

OTTAWA - CANADA

14-1470

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THE VEGETABLE OIL INDUSTRY IN CANADA, 1944

Under the above heading are now included all manufacturers whose principal operations consist of the extraction or processing of vegetable oils, such as linseed, soybean, coconut, etc. This industry was formerly known as "The Linseed and Soybean Oil Industry" but the change in name, which now embraces producers of all vegetable oils, was necessitated by the inclusion of the processing of coconut oil, peanut oil, rapeseed oil and sunflower oil.

In 1944 there were 11 plants in operation, located by provinces as follows: Quebec 3, Ontario 4, Manitoba 2, Alberta 1, and British Columbia 1. These plants furnished employment to 462 persons who were paid \$728,586 in salaries and wages. They spent \$10,641,800 for materials and produced goods with a selling value at the factory of \$13,187,683.

Linseed oil is the principal item of production, the output in 1944 amounting to 9 779,743 gallons valued at \$7,342,535. This is followed by linseed oilcake and meal with an output of 77,923 tons and value of \$3,033,939. Detailed statistics of production are given in Table 3.

Compared with the previous year, there was an increase of \$3,699,060 in the gross value of production and an increase of \$3,032,405 in the cost of materials used. Employment increased by 69, with an increase of \$135,913 in salaries and wages paid. The volume of production in 1944 was considerably higher than in the previous year. Compared with 1943 there was an increase of 1,959,022 gallons in the output of linseed oil with an increase of \$1,496,402 in the selling value. Linseed oilcake and meal increased by 12,037 tons and the selling value by \$415,556.

Flaxseed comprises the most important material used by this industry and accounted for about 73 per cent of the total value of materials used. Before the war this industry used large quantities of imported flaxseed. Fifty-three per cent of the total flaxseed used in 1939 was imported. However, in 1942, 1943 and 1944 all of the flaxseed used was of domestic origin.

Detailed statistics of production, capital invested, employment, materials used, etc., are given in the table following.

THE VEGETABLE OIL INDUSTRY IN CANADA, 1944

Table 1. - Principal Statistics, 1925 - 1944

Year	Estab- lish- ments	Capital Invested	Em- ployees	Salaries and Wages	Cost of Materials Used	Gross Value of Products
	No.	\$	No.	\$	\$	\$
1925 ...	8	2,490,462	212	280,846	4,876,835	6,005,969
1926 ...	8	2,691,550	231	282,632	5,264,364	6,486,924
1927 ...	8	2,341,733	239	308,602	4,840,168	5,839,314
1928 ...	8	2,394,331	235	322,771	5,514,568	6,281,055
1929 ...	8	2,708,387	239	327,220	5,578,539	6,502,633
1930 ...	8	3,426,727	250	325,564	6,476,883	7,410,433
1931 ...	8	2,690,475	226	299,377	2,939,123	3,351,761
1932 ...	9	2,821,849	218	280,057	2,162,862	2,852,881
1933 ...	10	3,022,676	201	222,759	1,542,119	2,086,557
1934 ...	10	2,394,498	200	239,411	1,996,802	2,644,074
1935 ...	8	2,228,003	194	235,347	2,365,776	3,068,776
1936 ...	10	2,544,705	219	259,740	3,279,241	4,101,782
1937 ...	11	2,450,557	242	293,443	4,036,075	5,049,528
1938 ...	11	2,397,021	212	252,020	2,808,142	3,680,647
1939 ...	9	3,125,013	239	273,309	3,099,816	4,156,510
1940 ...	9	3,318,040	258	321,661	4,608,045	5,727,494
1941 ...	10	3,454,898	313	412,125	6,180,424	8,120,189
1942 ...	10	3,567,297	351	458,220	7,624,294	9,481,450
1943 ...	11	4,249,673	393	592,673	7,609,395	9,488,623
1944	11	x	462	728,586	10,641,800	13,187,683

Table 2. - Principal Statistics Compared.

Items	1 9 4 4	1 9 4 3	Increase + Decrease -
Establishments reportingNo.	11	11	-
Capital Invested\$	x	4,249,673	-
Employees on salaries -			
Male No.	49	47	+ 2
Female No.	26	30	- 4
Total Salaries \$	153,759	154,992	- 1,233
Employees on wages -			
Male No.	380	311	+ 69
Female No.	7	5	+ 2
Total wages \$	574,827	437,681	+ 137,146
Power equipment -			
Units No.	570	459	+ 111
Horse Power capacity ... H. P.	5,721	4,592	+ 1,129
Cost of fuel and electricity ..\$	134,724	114,341	+ 20,383
Cost of materials used \$	10,641,800	7,609,395	+ 3,032,405
Gross value of products \$	13,187,683	9,488,623	+ 3,699,060
Value added by manufacture .. \$	2,411,159	1,764,887	+ 646,272

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.

x not collected in 1944

THE VEGETABLE OIL INDUSTRY IN CANADA, 1944

Table 3. - Production, by Quantity and Value.

Classes of Products	Unit of Measure	1 9 4 4		1 9 4 3	
		Quantity	Selling Value at Mill	Quantity	Selling Value at Mill
Linseed oil, raw	Gallon	5,763,741	4,113,138	4,159,890	2,958,788
Linseed oil, boiled ..	"	1,200,371	910,365	988,756	744,375
Linseed oil, special .	"	2,815,631	2,319,032	2,672,075	2,142,970
Oils, other x	Pound	22,899,890	2,264,050	+	+
Linseed oilcake and oilcake meal	Ton	77,923	3,033,939	63,386	2,618,363
Oilcake and oilcake meal, other x	"	10,656	391,739	+	+
Linseed meal	"	127	11,585	44	3,843
Soap	Pound	2,300,584	102,245	1,711,546	74,280
Other products	-	-	41,590	-	945,984
TOTAL SELLING VALUE OF PRODUCTS			\$13,187,682		\$9,488,623

x Includes-Cocconut, peanut, rapeseed, soybean and sunflower.

+ Included under "Other products."

Table 4. - Materials Used.

Principal Materials	Unit of Measure	1 9 4 4		1 9 4 3	
		Quantity	Cost Value at Mill	Quantity	Cost Value at Mill
Flaxseed, Canadian	Bushel	4,368,657	7,766,380	3,559,375	6,378,616
Flaxseed, imported	"	-	-	-	-
Fullers' earth	Pound	411,820	16,991	320,250	12,466
Clarex earth	"	20,000	1,100	164,130	7,836
Sulphuric acid	"	301,105	6,752	236,190	5,636
Caustic soda	"	110,468	4,219	155,397	5,391
Potash	"	138,997	12,122	170,497	12,897
Driers	Gallon	54,296	39,293	22,323	20,812
Press cloth	Pound	60,100	75,332	70,331	92,411
Filter cloth	Yard	7,794	3,677	13,975	6,622
Containers, etc.	-	-	417,570	-	354,140
All other materials x..	-	-	2,298,364	-	712,568
TOTAL COST OF MATERIALS			\$10,641,800		\$7,609,395

x Includes dried cocconut kernels, peanuts, rapeseed, soybeans and sunflower seeds.

THE VEGETABLE OIL INDUSTRY IN CANADA, 1944.

Table 5. - Principal Statistics of the Industry, grouped according to the Size of Establishment.

Establishments having a production of -	Number of Establish- ments	Capital Invested \$	Total Number of Employees	Salaries and Wages \$	Cost of Materials Used \$	Gross Value of Production \$
<u>1944</u>						
Under \$5,000	-	not	-	-	-	-
\$5,000 - \$25,000	-	collected	-	-	-	-
\$25,000 - \$50,000	-	for	-	-	-	-
\$50,000 - \$100,000	-	this	-	-	-	-
\$100,000 - \$500,000	3	year	67	75,532	802,167	1,043,430
\$500,000 - \$1,000,000	3		102	171,689	1,522,813	1,982,378
\$1,000,000 and over	5		293	481,365	8,316,820	10,161,875
TOTAL	11	-	462	728,586	10,641,800	13,187,683
<u>1943</u>						
Under \$5,000	-	-	-	-	-	-
\$5,000 - \$25,000	-	-	-	-	-	-
\$25,000 - \$50,000	-	-	-	-	-	-
\$50,000 - \$100,000	-	-	-	-	-	-
\$100,000 - \$500,000	5	1,448,593	101	136,671	1,351,891	1,737,028
\$500,000 - \$1,000,000	3	1,055,890	88	164,150	1,942,556	2,432,042
\$1,000,000 and over	3	1,745,190	204	291,852	4,314,943	5,299,553
TOTAL	11	4,249,673	393	592,673	7,609,395	9,468,623

THE VEGETABLE OIL INDUSTRY IN CANADA, 1944.

Table 6. - Capital Investment.

Items of Capital	1944	1943
	\$	\$
Fixed Capital -		
Present value of land, buildings, etc.	not collected	2,201,231
Working Capital -	for this year	
Inventory value of materials and supplies on hand, stocks in process, etc.		889,837
Inventory value of finished products on hand .		587,388
Operating capital (cash, bills receivable, etc.)		571,217
TOTAL CAPITAL INVESTED	-	4,249,673

Table 7. - Employment of Wage-earners, by Months

Months	Number of Wage-earners				Months	Number of Wage-earners			
	1944		1943			1944		1943	
	Male	Female	Male	Female		Male	Female	Male	Female
January ...	396	5	334	4	July ...	356	11	285	5
February ..	371	4	322	4	August..	341	9	305	10
March	390	4	305	4	September	351	9	314	10
April	382	5	286	4	October .	373	9	322	5
May	359	5	279	4	November.	433	9	358	5
June	370	10	275	4	December.	433	9	347	5
MONTHLY AVERAGE						380	7	311	5

Table 8. - Number of Wage-earners in Month of Highest Employment with their Hours of Work per week and Average Weekly Earnings.

Number of Hours Worked per Week	1944		1943	
	Number of Employees		Number of Employees	
	Male	Female	Male	Female
30 hours or less	67	2	26	3
31 - 43 hours	46	1	26	1
44 hours	12	1	8	1
45 - 47 hours	15	1	19	-
48 hours	155	-	103	-
49 - 50 hours	29	-	22	-
51 - 54 hours	25	-	41	-
55 hours	13	-	4	-
56 - 64 hours	90	-	77	-
65 hours and over	30	-	41	-
AVERAGE HOURS PER WEEK	47.7	35.4	51.0	31.2
AVERAGE WEEKLY EARNINGS	\$27.88	\$18.00	\$29.46	\$15.00

THE VEGETABLE OIL INDUSTRY IN CANADA, 1944.

Table 9. - Power Equipment

Kinds of Power	1 9 4 4		1 9 4 3	
	Number of Units	Horse-power according to manufacturers' rating	Number of Units	Horse-power according to manufacturers' rating
Steam engines and turbines - In use	7	46	7	46
Gasoline, gas and oil engines - Idle	-	-	1	40
Hydraulic turbines or water wheels				
In use	3	150	2	100
Idle	-	-	-	-
Electric motors operated by purchased power .				
In use	548	5364	438	4,299
Idle	12	161	11	107
TOTAL POWER				
AVAILABLE FOR MANUFACTURING	570	5,721	459	4,592
Boilers In use	10	892	10	867
Idle	3	230	3	135

Table 10. - Fuel and Electricity.

Kind of Fuel Used	Unit of Measure	1 9 4 4		1 9 4 3	
		Quantity	Cost Value at Works	Quantity	Cost Value at Works
			\$		\$
Bituminous Coal -					
Canadian	Ton	2,294	16,964	1,200	9,618
Imported	"	3,065	26,861	2,729	22,945
Anthracite coal	"	-	-	-	-
Lignite coal	"	-	-	410	2,440
Wood	Cord	95	785	207	1,692
Gasoline	Gallon	9,157	2,757	-	-
Fuel oil	"	14,624	1,532	11,390	1,242
Gas, natural	M cu. ft.	4,517	383	1,916	464
Other fuel (steam, etc.)	-	-	5,384	-	5,205
TOTAL COST OF FUEL	-	-	54,726	-	44,606
Cost of electricity purchased (including service charges)	Kw. H.	9,013,969	79,998	6,161,400	69,735
TOTAL COST OF FUEL AND ELECTRICITY	-	-	134,724	-	114,341

THE VEGETABLE OIL INDUSTRY IN CANADA, 1944.

List of Firms in the Vegetable Oil Industry in Canada, 1944.

QUEBEC

The Canada Linseed Oil Mills Limited,	2210 Notre Dame St. E., Montreal
The Dominion Linseed Oil Company Limited,	837 Mill St., Montreal
The Sherwin-Williams Company of Canada, Ltd.,	2875 Centre St., Montreal

ONTARIO

The Canada Linseed Oil Mills, Limited,	40 Wabash Avenue, Toronto
The Dominion Linseed Oil Company Limited,	Baden
W.R. Carpenter (Canada) Limited,	Victoria Ave., Hamilton
Victory Mills Limited,	285 Fleet St. E., Toronto

MANITOBA

The Dominion Linseed Oil Company Limited,	830 Archibald St., St. Boniface
The Sherwin-Williams Company of Canada, Ltd.,	110 Sutherland Ave., Winnipeg.

ALBERTA

The Alberta Linseed Oil Company Limited	Medicine Hat.
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BRITISH COLUMBIA

W.R. Carpenter (Canada) Limited	Ft. Dunlevy Ave., Vancouver.
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