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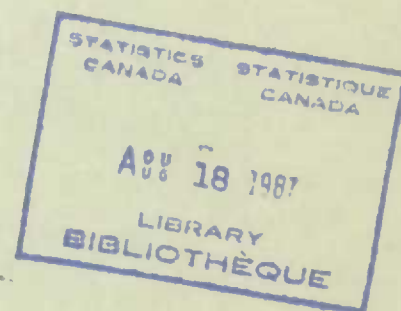
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**CANADA**  
**DEPARTMENT OF TRADE AND COMMERCE**  
**DOMINION BUREAU OF STATISTICS**  
**CENSUS OF INDUSTRY**  
**GENERAL MANUFACTURES BRANCH**

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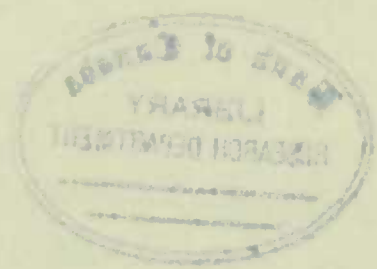
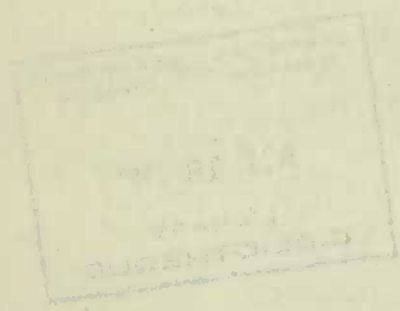
**REPORT**  
**ON THE**  
**VEGETABLE OIL INDUSTRY**  
**IN**  
**CANADA**  
**1942**



OTTAWA  
1943

Price 15 cents

22-52



DEPARTMENT OF TRADE AND COMMERCE

DOMINION BUREAU OF STATISTICS

GENERAL MANUFACTURES BRANCH

OTTAWA - CANADA

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THE VEGETABLE OIL INDUSTRY IN CANADA, 1942

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 and coconut. This industry was formerly known as "The Linseed and Soybean Oil Industry." The change in name which now embraces producers of all vegetable oils, was necessitated by the inclusion in 1941 of a mill processing crude coconut oil.

In 1942 there were ten plants in operation, located by provinces as follows: Quebec 4, Ontario 2, Manitoba 2, Alberta 1, and British Columbia 1. These plants reported a capital investment in fixed and current assets of \$3,567,297 and furnished employment 351 persons who were paid \$458,220 in salaries and wages. They spent \$7,624,294 for materials and produced goods with a selling value at the factory of \$9,481,450.

Linseed oil is the principal item of production, the output in 1942 amounting to 7,390,240 gallons valued at \$5,252,605. This is followed by oilcake meal with an output of 59,438 tons and value of \$2,339,549. Detailed statistics of production are given in Table 3.

Compared with the previous year, there was an increase of \$1,361,261 in the gross value of production and \$1,443,870 in the cost of materials used. Employment increased by 38, with an increase of \$46,095 in salaries and wages paid. The volume of production in 1942 was considerably higher than in the previous year. Compared with 1941 there was an increase of 802,861 gallons in the output of linseed oil with an increase of \$726,919 in the selling value. Linseed oilcake meal increased by 7,349 tons and the selling value by \$630,709.

Flaxseed comprises the most important material used by this industry and accounted for about 74 per cent of the total value of materials used. Before the war this industry used large quantities of imported flaxseed. Of the total flaxseed used 53 per cent in 1939 was imported. In 1942, however, all of the 3,388,195 bushels of flaxseed used were of domestic origin.

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

THE VEGETABLE OIL INDUSTRY IN CANADA, 1942

Table 1. - Principal Statistics, 1925 - 1942.

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	213	280,846	4,876,835	6,005,969
1926 ...	8	2,691,550	231	282,632	5,364,364	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	2,989,123	3,951,761
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

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 2. - Principal Statistics Compared.

Items	1 9 4 2	1 9 4 1	Increase + Decrease -
Establishments reporting .....	No. 10	10	-
Capital Invested.....	\$ 3,567,297	3,454,898	+ 112,399
Employees on salaries -			
Male.....	No. 49	48	+ 1
Female.....	No. 26	15	+ 11
Total salaries.....	\$ 137,858	129,013	+ 8,845
Employees on wages -			
Male.....	No. 272	250	+ 22
Female.....	No. 4	-	+ 4
Total wages.....	\$ 320,362	283,112	+ 37,250
Power equipment -			
Units.....	No. 358	298	+ 60
Horse Power capacity.....	H.P. 3,431	3,467	- 36
Cost of fuel and electricity....	\$ 108,652	101,031	+ 7,621
Cost of materials used..	\$ 7,624,294	6,180,424	+1,443,870
Gross value of products.....	\$ 9,481,450	8,120,189	+1,361,261
Value added by manufacture.....	\$ 1,748,504	1,838,734	90,230



THE VEGETABLE OIL INDUSTRY IN CANADA, 1942.

Table 3. - Production, by Quantity and Value.

Classes of Products	Unit of Measure	1 9 4 2		1 9 4 1	
		Quantity	Selling Value at Mill	Quantity	Selling Value at Mill
Linseed oil, raw.....	Gallon	3,773,663	2,537,581	3,545,437	2,312,509
Linseed oil, boiled...	"	983,371	705,017	973,454	653,227
Linseed oil, special..	"	2,633,206	2,010,007	2,068,488	1,559,950
Linseed oilcake.....	Ton	1	58	2	95
Linseed oilcake meal..	"	59,438	2,339,549	52,089	1,708,840
Linseed meal .....	"	111	9,912	183	15,517
Soybean products.....	Pound	x	x	766,000	56,105
Soap.....	"	1,789,445	80,040	1,438,458	58,468
All other products..+	-	-	1,799,286	-	1,755,478
TOTAL VALUE OF PRODUCTS.....		-	9,481,450	-	8,120,189

x Included with "all other products, as only 1 firm reporting.

+ Includes "coconut oil" and "coconut oilcake meal."

Table 4. - Materials Used.

Principal Materials	Unit of Measure	1 9 4 2		1 9 4 1	
		Quantity	Cost Value at Mill	Quantity	Cost Value at Mill
Flaxseed, Canadian....	Bushel	3,388,195	5,626,143	2,756,572	4,020,580
Flaxseed, imported....	"	-	-	131,908	214,605
Fullers' earth.....	Pound	339,335	15,497	275,290	10,604
Clarex earth.....	"	97,785	4,657	14,000	500
Sulphuric acid.....	"	223,003	4,761	144,044	3,230
Caustic soda... ..	"	142,206	5,531	124,174	4,888
Potash.....	"	267,940	18,646	170,632	10,251
Driers.....	Gallon	45,919	31,974	52,364	23,805
Press cloth... ..	Pound	56,079	73,544	46,426	44,066
Filter cloth.....	Yard	14,039	6,517	14,744	6,096
Containers, etc.....	-	-	320,283	-	258,818
All other materials x	-	-	1,516,941	-	1,582,981
TOTAL COST OF MATERIALS.....		-	7,624,294	-	6,180,424

x Includes "dried coconut kernels."

THE VEGETABLE OIL INDUSTRY IN CANADA, 1942

Table 5. - Principal Statistics of the Industry, group d 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>1942</u>						
Under \$5,000.....	-	-	-	-	-	-
\$5,000 - \$25,000.....	-	-	-	-	-	-
\$25,000 - \$50,000.....	-	-	-	-	-	-
\$50,000 - \$100,000.....	1	(668,727	64	85,742	863,108	1,139,344
\$100,000 - \$500,000.....	3	(				
\$500,000 - \$1,000,000.....	2	(2,898,570	287	372,478	6,761,186	8,342,106
\$1,000,000 - and over.....	4	(				
TOTAL.....	10	3,567,297	351	458,220	7,624,294	9,481,450
<u>1941</u>						
Under \$5,000.....	-	-	-	-	-	-
\$5,000 - \$25,000.....	-	-	-	-	-	-
\$25,000 - \$50,000.....	-	-	-	-	-	-
\$50,000 - \$100,000.....	1	( 880,756	82	103,975	948,682	1,239,886
\$100,000 - \$500,000.....	4	(				
\$500,000 - \$1,000,000.....	2	(2,574,142	231	308,150	5,231,742	6,820,303
\$1,000,000 and over.....	3	(				
TOTAL.....	10	3,454,898	313	412,125	6,180,424	8,120,189

THE VEGETABLE OIL INDUSTRY IN CANADA, 1942.

Table 6. - Capital Investment.

Items of Capital	1942	1941
	\$	\$
Fixed Capital -		
Present value of land, buildings, etc. ...	1,853, 1	1,788,573
Working Capital -		
Inventory value of materials and supplies on hand, stocks in process, etc. ....	618,972	570,811
Inventory value of finished products on hand.	345,226	457,773
Operating capital (cash, bills receivable, etc.)	744,982	627,735
TOTAL CAPITAL INVESTED .....	3,567,297	3,454,928

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

Months	Number of Wage-earners				Months	Number of Wage-earners			
	1942		1941			1942		1941	
	Male	Female	Male	Female		Male	Female	Male	Female
January....	265	2	254	-	July	262	4	244	-
February...	276	2	256	-	August	267	4	245	-
March.....	281	2	253	-	September	261	5	261	-
April.....	277	2	240	-	October	266	5	253	-
May.....	270	2	234	-	November	272	5	260	-
June.....	263	2	227	-	December	27	5	258	-
MONTHLY AVERAGE. . .						272	4	250	-

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	1942		1941	
	Number of Employees		Number of Employees	
	Male	Female	Male	Female
30 hours or less .....	9	1	16	-
31 - 43 hours.....	26	1	12	-
44 hours.....	1	1	6	-
45 - 47 hours.....	8	1	1	-
48 hours.....	130	-	156	-
49 - 50 hours.....	33	-	5	-
51 - 54 hours.....	15	-	9	-
55 hours.....	3	-	2	-
56 - 64 hours.....	71	-	76	-
65 hours and over .....	16	-	3	-
AVERAGE HOURS PER WEEK	50.7	38.0	49.8	-
AVERAGE WEEKLY EARNINGS	\$26.39	\$17.25	\$24.95	-



THE VEGETABLE OIL INDUSTRY IN CANADA, 1942.

Table 9. - Power Equipment

Kinds of Power	1942		1941	
	Number of Units	Horse-power according to manufacturers' rating	Number of Units	Horse-power according to manufacturers' rating
Steam engines and turbines.....	7	46	7	46
Hydraulic turbines or water wheels				
In use.....	3	150	3	150
Idle .....	-	-	-	-
Electric motors operated by purchased power -				
In use.....	348	3,235	287	3,231
Idle.....	-	-	1	40
TOTAL POWER AVAILABLE FOR MANUFACTURING....	358	3,431	298	3,467
Boilers.....In use.....	8	727	9	757
Idle.....	2	155	1	100

Table 10. - Fuel and Electricity.

Kind of Fuel Used	Unit of Measure	1942		1941	
		Quantity	Cost Value at Works	Quantity	Cost Value at Works
			\$		\$
Bituminous Coal -					
Canadian.....	Ton	1,904	15,142	2,118	14,824
Imported.....	"	2,176	18,057	1,706	13,577
Anthracite coal.....	"	20	165	22	183
Lignite coal.....	"	280	1,137	250	1,785
Wood.....	Cord	142	1,032	73	321
Fuel oil.....	Gallon	17,000	1,795	7,100	705
Gas, natural.....	M cu. ft.	4,473	418	4,674	407
Other fuel (steam, etc.)	-	-	6,474	-	4,717
TOTAL COST OF FUEL... ..	-	-	44,220	-	36,519
Cost of electricity purchased (including service charges)....	Kw. H.	6,560,305	64,432	5,930,828	64,512
TOTAL COST OF FUEL AND ELECTRICITY.....	-	-	108,652	-	101,031



THE VEGETABLE OIL INDUSTRY IN CANADA, 1942.

List of Firms in the Vegetable Oil Industry in Canada, 1942.

QUEBEC

The Canada Linseed Oil Mills Limited,	2210 Notre Dame St. E., Montreal
Dominion Linseed Oil Company Limited,	837 Mill Street, Montreal.
General Soya Products Company Ltd.,	91 St. Patrick St., Lachine.
The Sherwin-Williams Company of Canada, Ltd.,	2875 Centre Street, Montreal.

ONTARIO

The Canada Linseed Oil Mills, Limited,	40 Wabash Avenue, Toronto
Dominion Linseed Oil Company Limited,	Baden

MANITOBA

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

ALBERTA

The Alberta Linseed Oil Company Limited	Medicine Hat.
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BRITISH COLUMBIA

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