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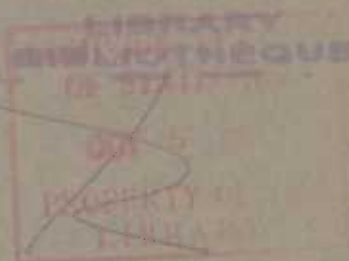
CANADA

DEPARTMENT OF TRADE AND COMMERCE

DOMINION BUREAU OF STATISTICS

CENSUS OF INDUSTRY

GENERAL MANUFACTURES BRANCH



REPORT

ON THE

LINSEED & SOYBEAN OIL INDUSTRY

IN

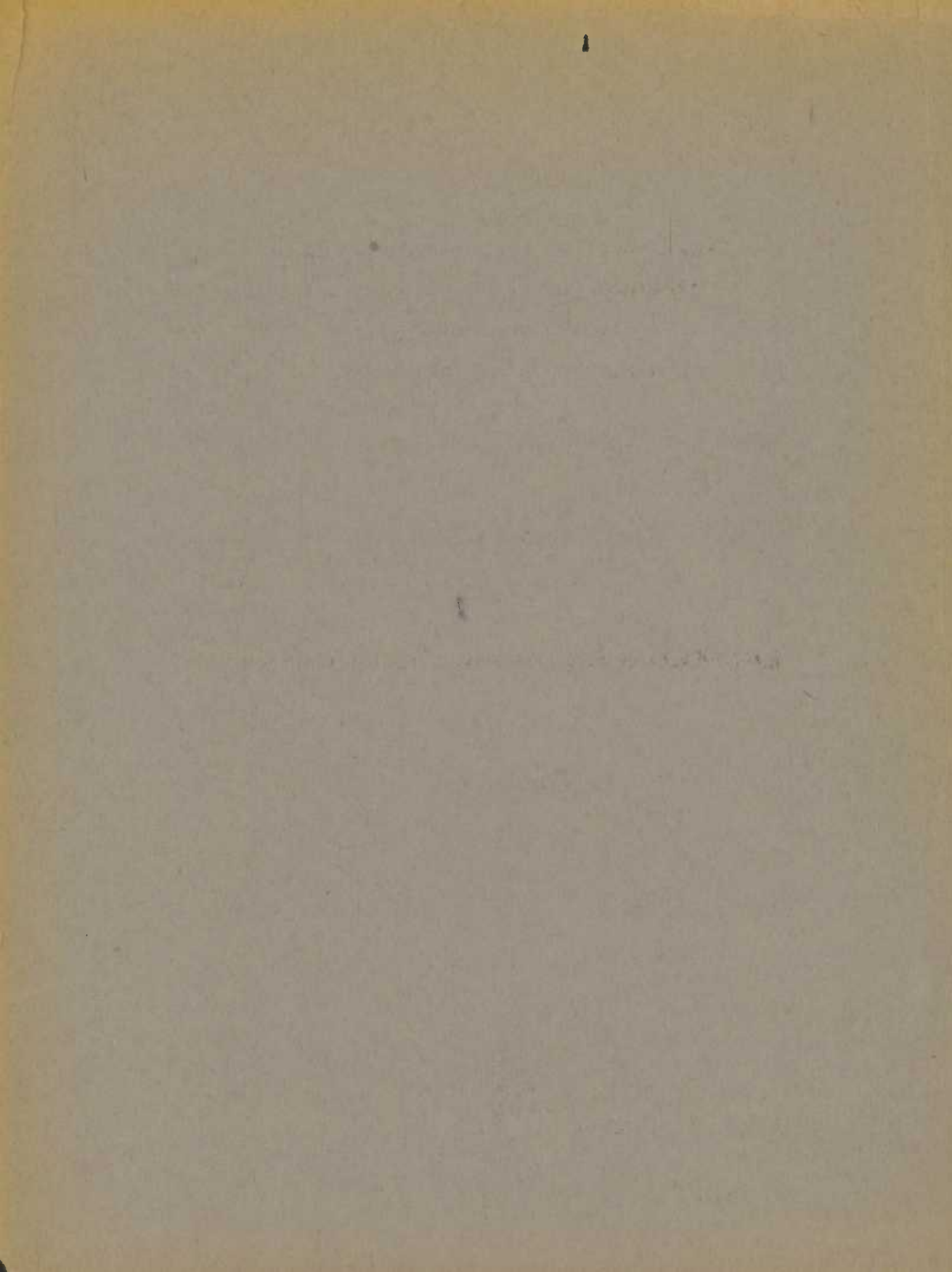
CANADA

1939



OTTAWA
1940

Price 15 cents



DEPARTMENT OF TRADE AND COMMERCE
DOMINION BUREAU OF STATISTICS
GENERAL MANUFACTURES BRANCH
OTTAWA - CANADA

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THE LINSEED AND SOYBEAN OIL INDUSTRY IN CANADA, 1939

In 1939 there were nine plants in operation, located by provinces as follows: Quebec, 4; Ontario, 2; Manitoba, 2; Alberta, 1. These plants reported a capital investment in fixed and current assets of \$3,125,013 and furnished employment to 239 persons who were paid \$273,309 in salaries and wages. They also spent \$3,161,966 for materials, fuel and electricity and produced goods with a selling value at the factory of \$4,156,510, leaving a value added by manufacture of \$994,544.

Linseed oil is the principal item of production, the output in 1939 amounting to 24,354,913 gallons valued at \$2,841,437. This is followed by oilcake meal with an output of 26,283 tons and value of \$909,919. Detailed statistics of production for 1938 and 1939 are given in Table 3.

Compared with the previous year, there was an increase of \$475,863 in the gross value of production and \$174,295 in the value added by manufacture. Employment increased by 27, with an increase of \$21,289 in salaries and wages paid. The volume of production in 1939 was considerably higher than in the previous year. Compared with 1938 there was an increase of 440,477 gallons in the output of raw linseed oil with an increase of \$152,974 in its selling value. Increases were also reported in the production of boiled and special linseed oil and oilcake. The output of soybean products which amounted to \$97,136 in 1938, decreased to \$72,319 in 1939.

Flaxseed comprises the most important material used by this industry and accounted for almost 94 per cent of the total value of materials used. Of the 1,982,756 bushels of flaxseed used, 1,058,164 bushels were of foreign origin and 924,592 of domestic origin. The consumption of domestic flaxseed is about 47 per cent of the total.

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

THE LINSEED AND SOYBEAN OIL INDUSTRY IN CANADA, 1939

Table 1. - Principal Statistics, 1923-1939

Year	Estab- lish- ments	Capital Invested	Em- ployees	Salaries and Wages	Cost of Materials Used	Gross Value of Products ^x
	No.	\$	No.	\$	\$	\$
1923..	8	2,818,291	249	299,906	4,697,051	5,761,840
1924..	8	2,231,954	217	286,977	4,851,264	5,911,530
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	6,502,635
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

^xSelling value at the factory.

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 3 7	1 9 3 8	1 9 3 9
Establishments reporting	No.	11	11	9
Capital invested	\$	2,450,557	2,397,021	3,125,013
Employees on salaries -				
Male	No.	36	45	49
Female	No.	7	6	5
Total salaries	\$	93,730	106,952	113,622
Employees on wages -				
Male	No.	198	161	185
Female	No.	1	-	-
Total wages	\$	199,713	145,068	159,687
Power equipment -				
Units	No.	138	211	210
Horse power capacity	H.P.	2,183	2,453	2,399
Cost of fuel and electricity	\$	63,748	52,256	62,150
Cost of materials used	\$	4,036,075	2,808,142	3,099,816
Gross value of products	\$	5,049,528	3,680,647	4,156,510
Value added by manufacture	\$	949,705	820,249	994,544

THE LINSEED AND SOYBEAN OIL INDUSTRY IN CANADA, 1939

Table 3. - Production, by Quantity and Value.

Classes of Products	Unit of Measure	1938		1939	
		Quantity	Selling Value at Mill	Quantity	Selling Value at Mill
Linseed oil, raw	Gallon	1,916,104	1,335,817	2,356,581	1,488,791
Linseed oil, boiled ..	"	670,447	490,444	870,312	569,890
Linseed oil, special..	"	917,838	709,194	1,128,020	782,756
Linseed oilcake	Ton	2,218	71,993	9,089	256,214
Linseed oilcake meal ..	"	26,365	939,313	26,283	909,919
Linseed meal	"	168	16,066	16	16,639
Soybean products ^x	Pound	2,614,085	97,136	2,065,512	72,319
Soap	"	554,732	20,017	1,295,401	59,982
All other products ...	-	-	667	-	-
TOTAL VALUE OF PRODUCTS		-	3,680,647	-	4,156,510

^x Includes soybean oil, soybean meal and soybean flour.

Table 4. - Materials Used.

Principal Materials	Unit of Measure	1938		1939	
		Quantity	Cost Value at Mill	Quantity	Cost Value at Mill
Flaxseed, Canadian ..	Bushel	742,793	1,218,785	924,592	1,391,671
Flaxseed, imported ..	"	836,397	1,413,876	1,058,164	1,509,939
Press and filter cloth		-	24,520	-	24,591
Chemicals, (fullers' earth, clarex earth, sulphuric acid, caustic soda, soda ash and potash)	Pound	457,654	19,115	456,315	20,490
Containers, etc.	-	-	56,343	-	95,286
All other materials ^x ..	-	-	75,503	-	57,839
TOTAL COST OF MATERIALS	-	-	2,808,142	-	3,099,816

^x Includes cost of soybeans.

THE LINSEED AND SOYBEAN OIL INDUSTRY IN CANADA, 1939

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>1938</u>						
Under \$5,000	1)					
\$5,000 - \$25,000	1)	133,232	10	15,444	28,864	58,696
\$25,000 - \$50,000	1)					
\$50,000 - \$100,000	-	-	-	-	-	-
\$100,000 - \$500,000	6)					
\$500,000 - \$1,000,000	1)	2,263,789	202	236,576	2,779,278	3,621,951
\$1,000,000 and over	1)					
TOTAL	11	2,397,021	212	252,020	2,808,142	3,680,647
<u>1939</u>						
Under \$5,000	-	-	-	-	-	-
\$5,000 - \$25,000	-	-	-	-	-	-
\$25,000 - \$50,000	1 ^x					
\$50,000 - \$100,000	1 ^x					
\$100,000 - \$500,000	5	1,703,609	121	138,078	1,204,971	1,684,647
\$500,000 - \$1,000,000	1 ^x					
\$1,000,000 and over	1 ^x					
TOTAL	9	3,125,013	239	273,309	3,099,816	4,156,510

^x Included in total as only one firm in each group.

THE LINSEED AND SOYBEAN OIL INDUSTRY IN CANADA, 1939

Table 6. - Capital Investment.

Items of Capital	1938	1939
	\$	\$
Fixed Capital - Present value of land, buildings, etc.	1,444,885	1,489,192
Working Capital - Inventory value of materials and supplies on hand, stocks in process and finished products on hand	610,373	1,032,937
Operating capital (cash, bills receivable, etc.)	341,763	602,884
TOTAL CAPITAL INVESTED	2,397,021	3,125,013

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

Months	Number of Wage-earners				Months	Number of Wage-earners			
	1938		1939			1938		1939	
	Male	Female	Male	Female		Male	Female	Male	Female
January ..	168	-	197	-	July	144	-	162	-
February..	158	-	188	-	August ..	138	-	135	-
March	161	-	197	-	September	165	-	185	-
April	155	-	198	-	October .	175	-	193	-
May	151	-	168	-	November.	199	-	203	-
June	140	-	183	-	December.	166	-	194	-
MONTHLY AVERAGE						161	-	185	-

Table 8. - Average Weekly Earnings and Number of Wage-earners in Month of Normal Employment and their Regular Hours of Work in 1939.

Number of Hours Worked per Week	Number of Employees		Number of Hours Worked per Week	Number of Employees	
	Male	Female		Male	Female
30 hours or less	-	-	51 - 54 hours ...	13	-
31 - 43 hours ..	-	-	55 hours	2	-
44 hours	3	-	56 - 64 hours ...	46	-
45 - 47 hours ..	4	-	65 hours and over	2	-
48 hours	107	-	Average hours per week	51.4	-
49 - 50 hours ..	23	-	Average weekly earnings	\$19.13	-

The above table does not include overtime.

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Table 9. - Power Equipment, 1939

Kinds of Power	Number of Units	Horse-power according to manufacturers' rating
Steam engines and turbines	7	46
Hydraulic turbines or water-wheels...Idle....	3	150
Electric motors operated by purchased power-		
In use ...	200	2,203
Idle	-	-
TOTAL POWER USED IN MANUFACTURING	210	2,399
Boilers		
In use ...	8	640
Idle	1	100

Table 10. - Fuel and Electricity, 1939.

Kind of Fuel Used	Unit of Measure	Quantity	Cost Value at Works
Bituminous coal	Ton	2,339	\$ 16,395
Wood	Cord	8	50
Gasoline	Gallon	90	26
Fuel oil	"	4,247	377
Gas, natural	M cu.ft.	3,620	325
Other fuel (steam, etc.)	-	-	4,072
TOTAL COST OF FUEL	-	-	21,245
Cost of electricity purchased (including service charges)	Kw. H.	3,270,106	40,905
TOTAL COST OF FUEL AND ELECTRICITY.	-	-	62,150

IMPORTS AND EXPORTS

Imports and exports of flaxseed, oils, oilcake and meal are shown in tables 11 and 12 for the calendar years 1938 and 1939, by quantities and values. The total value of the imports rose from \$1,690,446 in 1938 to \$2,138,030 in 1939, and the value of the exports rose from \$248,812 in 1938 to \$397,269 in 1939.

THE LINSEED AND SOYBEAN OIL INDUSTRY IN CANADA, 1939.

Table 11. - Imports of Products Made or Used by the Linseed and Soybean Oil Industry for the Calendar Years, 1938 and 1939.

Articles by Countries	Unit of Measure	1 9 3 8		1 9 3 9	
		Quantity	Value	Quantity	Value
Flaxseed or linseed oil, boiled or raw Total	Cwt.	13,753	76,109	8,128	47,271
Flaxseed Total	Bushels	713,247	936,637	1,116,229	1,261,029
Linseed oilcake and linseed oilcake meal.. Total	Cwt.	4,059	5,137	2,140	3,704
Soybean oil meal, used in manufacture of cattle food and fertilizers Total	Cwt.	476,713	558,028	449,653	571,508
Soybean oil meal and flour use in the manufacture of glues and adhesives Total	Cwt.	9,809	21,737	16,500	38,740
Soybean oil, for manufacturing soap Total	Gal.	71,972	28,752	172,074	71,449
Soy Beans Total	Pounds	3,640,710	64,046	9,251,477	144,329
TOTAL VALUE OF IMPORTS	-	-	1,690,446	-	2,133,030

Table 12. - Exports of Products Made or Used by the Linseed and Soybean Oil Industry for the Calendar Years 1938 and 1939.

Articles by Countries	Unit of Measure	1 9 3 8		1 9 3 9	
		Quantity	Value	Quantity	Value
Flaxseed or linseed oil, Total	Gallons	1,142	818	47,325	38,493
Flaxseed for sowing ... Total	Bushels	12,488	75,277	17,387	79,227
Flaxseed, n.o.p. Total	Bushels	350	770	257	568
Oilcake and oilcake Meal Total	Cwt.	101,522	171,947	167,920	278,981
TOTAL VALUE OF EXPORTS	-	-	248,812	-	397,269

THE LINSEED AND SOYBEAN OIL INDUSTRY IN CANADA, 1939

Firms engaged in the Linseed and Soybean Oil Industry in Canada, 1939

QUEBEC

The Canada Linseed Oil Mills Limited,	2210 Notre Dame Street East, Montreal
Continental Soya Company Limited,	20 Bates Road, Outremont
Dominion Linseed Oil Company Limited,	837 Mill Street, Montreal
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
Sherwin-Williams Company of Canada, Ltd.,	110 Sutherland Street, Winnipeg

ALBERTA

The Alberta Linseed Oil Company Limited,	Medicine Hat
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