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CANADA

DEPARTMENT OF TRADE AND COMMERCE

DOMINION BUREAU OF STATISTICS

+++ Census of Industry +++

GENERAL MANUFACTURING STATISTICS



REPORT

ON THE

FLOUR AND FEED MILLING INDUSTRIES

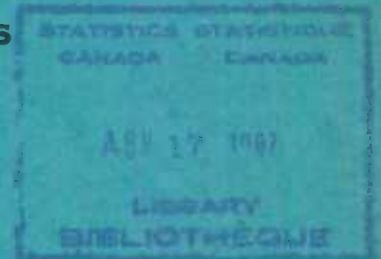
IN

CANADA

1946



OTTAWA
1948



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

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THE FLOUR AND FEED MILLING INDUSTRIES IN CANADA, 1946

To permit a closer analysis of the flour and feed milling industries, this report is divided into three sections. Section 1 comprises a general summary of the industry as a whole. Section 2 deals with the mills whose principal output is flour and other edible cereal products, whilst Section 3 is devoted to the mills whose operations are mostly confined to the production of chopped grain and other feeds.

SECTION 1. - GENERAL SUMMARY

A review of the flour and feed milling industries during the year 1946 reveals a decrease of 49 in the number of mills reporting, with a marked increase in all of the other items comprising the principal statistics. These are shown in Table 1, for the Dominion for the years 1934 to 1944 and by provinces for the years 1945 and 1946.

The flour milling industry operated at a high level of production in 1946. The output of flour amounting to 27,151,932 barrels was the highest on record and represents an increase of 2,034,673 barrels or 8.1 per cent over the 1945 output. The output of oatmeal and rolled oats also increased by 28,622 tons and that of bran, shorts and middlings by 113,128 tons, chopped grain feed by 55,683 tons, and prepared stock and poultry feeds by 56,447 tons.

The physical volume of production for the industry as a whole increased by 9.5 per cent in 1946. The increase in the gross value of production amounting to \$36,390,071 or 16.2 per cent is therefore due in part to an increase in the selling value at the mill of the products made, as the following table shows:

Product	Unit	Selling Value	
		1945	1946
Wheat flour, all grades	Barrel	5.57	6.05
Oatmeal and rolled oats	Ton	87.09	87.27
Bran, shorts and middlings	"	25.87	24.59
Feed, chopped	"	36.41	38.53
Stock and poultry feeds	"	47.74	48.45

This industry, which has existed to meet the domestic needs for more than 300 years, is one of the Dominion's oldest manufactures, but it is only within recent times that its progress has become spectacular. The war of 1914-1918 and the demand it created gave a great impetus to this trade. The 184 flour mills, many of them of the most modern type and highest efficiency, have a capacity far in excess of Canada's demands.

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During 1928 productive capacity reached about 121,000 barrels per day. During the depression the industry had been adversely affected by the difficulties which beset the Canadian grain trade and the great decline in the prices of grains. Exports of wheat flour declined from 10,737,266 barrels in 1928 to 3,911,886 barrels in 1938, but in spite of this decrease, Canada continued to be one of the leading exporters of wheat flour. A further impetus was given the industry as a direct result of the large import requirements of Great Britain and other allied countries during the last war. Exports of wheat flour to all countries jumped accordingly to 14,984,287 barrels in 1946. The great demand of Canadian flour in foreign markets was a great boon to Canadian agriculture, in as much as it enabled flour mills to make available large quantities of mill feeds which otherwise would not have been produced. Farmers were thus enabled to obtain sufficient feeds needed by them in order to fulfill the large commitments made for export shipments of cheese and bacon.

Production. - The total value of all products of the two industries in 1946 amounted to \$260,659,451 of which wheat flour was accountable for \$164,263,815. Next in order of importance was chopped grain feed with a total of \$47,389,233 followed by shorts and middlings to the extent of \$13,717,295; rolled oats takes fourth place with \$10,229,268, whilst bran occupies fifth position with a valuation of \$9,795,466. The output of wheat flour of all grades in 1946 totalled to 27,151,932 barrels valued at \$6.05 per barrel. This represents an increase of 2,034,673 in the number of barrels produced and an increase of 48 cents in the selling price per barrel as compared with 1945.

Employees, Salaries and Wages. - The administrative and clerical work in connection with the two industries required the services of 1,684 male and 467 female employees whose total salaries amounted to \$3,804,180. The number of wage-earners employed was 5,604 male and 281 female which necessitated a payroll amounting to \$9,093,980.

Cost of Materials. - The total cost of all materials in both industries, including containers, amounted to \$224,233,698. Wheat of all types was by far the largest contributor to this sum with \$157,236,517. Mixed grain for chopping takes second place with \$22,561,062. The next largest item of expense was that of oats which accounted for \$15,419,513 whilst containers and container materials occupy fourth position with a total cost of \$15,183,367.

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Table 1. - Principal Statistics for the Years 1934 to 1946

Year	Estab-	Capital	Em-	Salaries	Cost of	Gross
	lish-					
	ments				Used	Production
	No.	\$	No.	\$	\$	\$
1934	1,310	59,293,426	5,633	5,135,312	74,048,243	95,746,183
1935	1,127	56,475,315	5,454	5,165,507	78,071,667	97,567,868
1936	1,118	61,867,287	5,685	5,542,945	90,614,236	114,617,099
1937	1,086	56,280,032	5,803	5,877,756	111,558,331	133,634,179
1938	1,080	50,111,006	5,778	6,163,351	99,418,794	122,598,168
1939	1,050	47,926,318	5,898	6,515,496	75,435,165	101,776,429
1940	1,027	52,170,492	6,215	7,101,367	96,294,284	122,494,759
1941	1,129	59,941,631	6,528	7,898,329	115,939,001	144,171,637
1942	1,171	62,586,759	6,720	8,776,553	126,374,719	159,463,671
1943	1,131	70,869,815	7,163	10,015,738	169,488,522	201,127,291
1944	1,087	-	7,289	10,511,975	187,116,957	215,790,282
<u>1945</u>						
CANADA	1,023	-	7,512	11,322,915	192,270,945	224,269,380
Prince Edward						
Island	6	-	8	3,390	64,769	74,912
Nova Scotia	4	-	14	17,991	52,304	63,965
New Brunswick ..	13	-	20	13,495	158,973	186,833
Quebec	165	-	1,022	1,712,994	18,530,177	23,627,541
Ontario	680	-	4,040	5,892,797	109,029,435	125,158,165
Manitoba	37	-	764	1,084,221	20,127,079	23,952,504
Saskatchewan ...	37	-	677	1,169,592	23,731,994	26,429,338
Alberta	75	-	940	1,407,098	20,434,359	24,596,003
British Columbia	6	-	27	21,337	141,855	180,119
<u>1946</u>						
CANADA	974	-	8,036	12,898,160	224,233,698	260,659,451
Prince Edward						
Island	6	-	7	3,584	67,301	87,688
Nova Scotia	5	-	7	5,030	75,925	90,107
New Brunswick ..	11	-	16	8,314	108,616	126,059
Quebec	164	-	1,059	1,865,087	22,190,667	27,350,744
Ontario	639	-	4,341	6,729,268	123,825,572	141,778,944
Manitoba	37	-	785	1,220,881	23,111,920	27,073,112
Saskatchewan ...	37	-	803	1,407,399	26,776,239	30,282,634
Alberta	71	-	997	1,652,265	28,029,445	33,812,288
British Columbia	4	-	21	6,332	48,013	57,875
<u>1946</u>						
CANADA	974	-	8,036	12,898,160	224,233,698	260,659,451
Flour mills	184	-	6,012	10,884,848	185,219,470	214,828,021
Feed and chopping mills	790	-	2,024	2,013,312	39,014,228	45,831,430

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Table 2. - Quantity and Value of Principal Mill Products in Canada, 1940 to 1946

Products	Unit of Measure	Quantity	Selling Value at Mill	Average Value
			\$	\$
<u>1940</u>				
Wheat flour, all grades	Barrel	17,416,229	66,925,417	3.84
Oatmeal and rolled oats	Ton	96,020	7,087,377	73.81
Bran, shorts and middlings ...	"	646,128	13,695,928	21.20
Feed, chopped	"	946,289	24,324,837	25.71
<u>1941</u>				
Wheat flour, all grades	Barrel	20,869,321	79,269,842	3.80
Oatmeal and rolled oats	Ton	95,932	6,266,204	65.32
Bran, shorts and middlings ...	"	721,292	16,027,612	22.22
Feed, chopped	"	1,068,061	31,478,328	29.47
<u>1942</u>				
Wheat flour, all grades	Barrel	20,119,782	86,042,907	4.28
Oatmeal and rolled oats	Ton	67,711	4,829,962	71.33
Bran, shorts and middlings ...	"	676,008	17,302,341	25.60
Feed, chopped	"	1,176,586	37,692,395	32.04
<u>1943</u>				
Wheat flour, all grades	Barrel	23,986,769	112,345,014	4.68
Oatmeal and rolled oats	Ton	54,036	3,915,121	72.45
Bran, shorts and middlings ...	"	813,051	20,194,730	24.84
Feed, chopped	"	1,397,244	47,251,873	33.82
<u>1944</u>				
Wheat flour, all grades	Barrel	24,470,610	132,607,418	5.42
Oatmeal and rolled oats	Ton	78,959	6,115,850	77.46
Bran, shorts and middlings ...	"	807,375	20,382,601	25.25
Feed, chopped	"	1,234,954	44,607,961	36.12
<u>1945</u>				
Wheat flour, all grades	Barrel	25,117,259	139,810,537	5.57
Oatmeal and rolled oats	Ton	100,262	8,732,229	87.09
Bran, shorts and middlings ...	"	843,122	21,811,223	25.87
Feed, chopped	"	1,174,141	42,744,984	36.41
<u>1946</u>				
Wheat flour, all grades	Barrel	27,151,932	164,263,815	6.05
Oatmeal and rolled oats	Ton	128,864	11,247,910	87.27
Bran, shorts and middlings ...	"	956,280	23,512,761	24.59
Feed, chopped	"	1,229,824	47,389,233	38.53

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Table 3. - Production in All Mills, by Classes, 1946

Products	Unit of Measure	Merchant Grinding		Custom or Exchange Grinding		Total Selling Value at Mill
		Quantity	Value	Quantity	Value	
CANADA						
Wheat flour -						
Spring No.1 or top Patent including semolina	Bbl.	6,122,006	37,428,690	9,544	52,345	37,481,035
Spring No.2 Patent	"	4,744,109	26,153,718	248	1,101	26,154,819
Spring No.3 Patent (Strong Bakers or Export Patent.	"	13,727,159	88,481,457	710	3,201	88,484,658
Ontario Winter Wheat flour	"	961,716	4,830,857	306	1,584	4,832,441
Durum Semolina and flour	"	165,602	616,807	-	-	616,807
Lower grades of flour ...	"	571,436	2,202,637	9	18	2,202,655
All other	"	732,993	3,918,487	624	3,620	3,922,107
Flour and meal, other -						
Whole wheat and Graham flour	Lb.	115,464	569,266	6	27	569,293
Prepared or self raising flour	"	1,752,028	172,658	100	6	172,644
Barley flour	"	2,900,000	146,445	-	-	146,445
Barley meal	"	10,851,292	218,139	-	-	218,139
Rye flour	"	4,754,025	215,302	-	-	215,302
Rye meal	"	2,041,849	72,177	-	-	72,177
Corn flour	"	4,575,474	157,482	-	-	157,482
Corn meal	"	14,573,592	354,846	11,400	331	355,177
Buckwheat flour	"	371,900	11,805	272,650	12,084	23,889
Pea meal	"	33,500	670	-	-	670
Breakfast foods -						
Prepared breakfast foods.	Lb.	1,061,129	97,566	-	-	97,566
Oatmeal	Ton	11,524	1,018,142	5	500	1,018,642
Rolled oats	"	117,355	10,229,268	-	-	10,229,268
Rolled or flaked wheat ..	Lb.	1,527,837	41,825	-	-	41,825
Unprepared breakfast food	"	14,539,404	862,980	200	10	862,990
Other products -						
Barley, pot and pearl ...	Lb.	9,861,198	333,875	-	-	333,875
Corn, cracked	"	191,800	6,675	-	-	6,675
Peas, split	"	3,501,546	281,044	-	-	281,044
Stock and poultry foods .	Ton	154,489	7,488,343	845	37,937	7,526,280
Shorts and middlings	"	516,099	13,710,591	231	6,704	13,717,295
Bran	"	439,679	9,788,952	241	6,514	9,795,466
Chopped grain feed	"	488,604	18,363,317	741,220	29,025,916	47,389,233
Alfalfa meal	"	4,822	150,641	-	-	150,641
Offal, not otherwise specified	"	145,564	3,430,598	156	5,039	3,435,637
All other products	-	-	147,274	-	-	147,274
TOTAL VALUE OF PRODUCTION IN ALL MILLS ..			231,502,514		29,156,937	260,659,451

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Table 4. - Materials Used in All Mills, 1945 and 1946

	Unit of Measure	C A N A D A	
		Quantity	Cost Value at Mill
			\$
<u>1945</u>			
Wheat	Bushel	116,584,145	134,573,624
Oats	"	24,047,872	13,088,386
Barley	"	9,939,178	6,712,298
Rye	"	202,243	221,569
Corn	"	1,148,164	1,573,651
Buckwheat	"	143,140	129,206
Peas	"	96,092	306,379
Mixed grains for chopping	"	32,487,743	20,854,220
Other grains	"	306,680	206,388
Alfalfa	Ton	3,382	56,529
Cost of containers purchased	-	-	12,876,624
Cost of materials used in making containers	-	-	258
All other materials	-	-	1,671,813
TOTAL COST OF MATERIALS USED	-	-	192,270,945
<u>1946</u>			
Wheat	Bushel	125,412,237	157,236,517
Oats	"	29,312,549	15,419,513
Barley	"	11,841,605	8,522,159
Rye	"	195,635	290,852
Corn	"	1,055,146	1,475,801
Buckwheat	"	130,518	129,716
Peas	"	71,923	236,069
Mixed grains for chopping	"	32,583,137	22,561,062
Other grains	"	450,143	323,089
Alfalfa	Ton	4,768	113,188
Cost of containers purchased	-	-	15,183,367
Cost of materials used in making containers	-	-	2,104
All other materials	-	-	2,740,261
TOTAL COST OF MATERIALS USED	-	-	224,233,698

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Table 5. - Capital Invested in All Mills, 1931 to 1941 and by Provinces, 1942 and 1943

Year	Fixed Capital	Working Capital		Total Capital
	Present Value of land, buildings, fixtures, machinery, tools, etc.	Inventory Value of materials on hand, stocks in process, finished products, fuel and miscellaneous supplies, etc.	Cash, trading and operating accounts etc.	
1931	37,425,362	11,088,544	12,555,286	61,069,192
1932	36,002,825	11,152,044	11,128,343	58,283,212
1933	33,273,228	15,729,319	10,051,958	59,054,505
1934	30,725,664	18,394,309	10,173,453	59,293,426
1935	29,997,190	16,361,405	10,116,720	56,475,315
1936	28,767,319	19,083,481	14,016,487	61,867,287
1937	28,532,888	19,019,991	8,727,153	56,280,032
1938	28,687,452	10,283,008	11,140,546	50,111,006
1939	26,591,745	13,674,935	7,659,638	47,926,318
1940	27,346,254	18,381,555	6,442,683	52,170,492
1941	30,947,302	20,198,602	8,795,727	59,941,631
<u>1942</u>				
CANADA	31,567,133	21,974,860	9,044,766	62,586,759
Prince Edward Island	44,000	1,300	1,350	46,650
Nova Scotia	76,314	76,597	43,911	196,822
New Brunswick	72,465	39,232	40,653	152,350
Quebec	3,618,857	2,104,046	2,385,899	8,108,802
Ontario	18,780,658	9,600,866	4,030,826	32,412,350
Manitoba	2,654,204	2,753,136	453,122	5,860,462
Saskatchewan	2,937,631	3,905,151	683,683	7,526,465
Alberta	3,346,583	3,471,200	1,354,890	8,172,673
British Columbia ...	36,421	23,332	50,432	110,185
<u>1943</u>				
CANADA	29,870,156	29,572,802	11,426,857	70,869,815
Prince Edward Island	45,000	1,080	1,350	47,430
Nova Scotia	54,944	17,066	111,245	183,255
New Brunswick	69,565	52,469	43,302	165,336
Quebec	3,280,219	3,143,012	2,429,434	8,852,665
Ontario	17,902,302	12,753,037	5,673,681	36,329,020
Manitoba	2,336,219	4,844,545	543,584	7,724,348
Saskatchewan	2,831,787	4,147,451	1,229,912	8,209,150
Alberta	3,285,729	4,589,279	1,334,358	9,209,366
British Columbia ...	64,391	24,863	59,991	149,245

Not collected for 1944 - 1945 - 1946.

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Table 6. - Employees, Salaries and Wages in all Mills, by Provinces, 1945 and 1946.

	Employees on Salaries			Employees on Wages			Total Employees Salaries and Wages		
	Male	Female	Total Salaries	Male	Female	Total Wages	Male	Female	Salaries and Wages
	No.	No.	\$	No.	No.	\$	No.	No.	\$
<u>1945</u>									
CANADA	1,606	545	3,520,086	5,035	326	7,802,829	6,641	871	11,322,915
Prince Edward Island	6	-	2,140	2	-	1,250	8	-	3,390
Nova Scotia ..	5	1	7,702	8	-	10,289	13	1	17,991
New Brunswick.	10	1	5,139	9	-	8,356	19	1	13,495
Quebec	268	75	702,686	643	36	1,010,308	911	111	1,712,994
Ontario	808	243	1,558,570	2,879	110	4,334,227	3,687	353	5,892,797
Manitoba	141	45	309,399	478	100	774,822	619	145	1,084,221
Saskatchewan .	139	80	389,168	426	32	780,424	565	112	1,169,592
Alberta	223	98	541,202	571	48	865,896	794	146	1,407,098
British Columbia	6	2	4,080	19	-	17,257	25	2	21,337
<u>1946</u>									
CANADA	1,684	467	3,804,180	5,604	281	9,093,980	7,288	748	12,898,160
Prince Edward Island	5	-	2,345	2	-	1,239	7	-	3,584
Nova Scotia ..	2	-	630	5	-	4,400	7	-	5,030
New Brunswick.	10	-	3,960	6	-	4,454	16	-	8,314
Quebec	285	78	735,605	677	19	1,129,482	962	97	1,865,087
Ontario	874	217	1,790,671	3,132	118	4,938,597	4,006	335	6,729,268
Manitoba	116	35	263,765	560	74	957,116	676	109	1,220,881
Saskatchewan .	155	64	438,740	554	30	968,659	709	94	1,407,399
Alberta	233	70	566,554	654	40	1,085,711	887	110	1,652,265
British Columbia ...	4	3	2,010	14	-	4,322	18	3	6,332

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Table 7. - Power Equipment in all Mills, 1945 and 1946

Classes of Power	1945		1946	
	Number of Units	Manufacturers' Rating of Horse-power Capacity	Number of Units	Manufacturers' Rating of Horse-power Capacity
Steam engines and steam turbines	In use 35 Idle 7	3,789 520	35 5	3,686 435
Diesel engines	In use 265 Idle 17	13,432 897	250 18	13,160 865
Gasoline, gas and oil engines other than diesel.	In use 223 Idle 27	8,121 978	198 22	7,690 704
Hydraulic turbines or Water wheels	In use 399 Idle 25	22,269 1,033	395 20	21,887 893
Electric motors operated by purchased power	In use 3,402 Idle 160	72,370 5,523	3,700 213	73,590 6,025
TOTAL POWER USED IN MANUFACTURING	4,560	128,932	4,856	128,935
Electric motors operated by power generated by the establishment	In use 55 Idle -	1,083 -	53 -	983 -
Boilers	In use 38 Idle 13	5,300 375	30 1	4,423 110
Motor generator sets	In use 4 Idle -	91 -	11 -	220 -

Table 8. - Fuel and Electricity Used in all Mills, 1945 and 1946

Kinds of Fuel	Unit of Measure	1945		1946	
		Quantity	Total Cost at Mill	Quantity	Total Cost at Mill
Bituminous coal	Short ton	32,059	237,080	41,960	312,062
Anthracite coal	" "	450	5,299	946	8,794
Lignite coal	" "	16,940	71,921	11,539	48,031
Coke	" "	184	2,506	78	1,111
Gasoline	Imp. Gal.	542,869	165,902	598,580	191,778
Kerosene or coal oil	" "	9,002	1,711	6,454	1,030
Fuel and diesel oil.	" "	791,360	103,302	825,017	108,721
Wood	Cord	2,777	15,225	5,261	11,105
Gas, manufactured and natural	M cu. ft.	498,910	38,766	539,716	34,581
Other fuel	-	-	13,297	-	6,839
Electricity purchased	K.W.H.	51,264,035	1,329,096	165,010,928	1,510,418
Electricity generated for sale	-	-	-	-	-
TOTAL COST OF FUEL AND ELECTRICITY	-	-	1,984,105	-	2,234,470

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Table 8. - Imports, Milled Products and Grains by Quantity and Value
1945 and 1946

Articles Imported	Unit of Measure	1945		1946	
		Quantity	Value	Quantity	Value
			\$		\$
Milled Products -					
Wheat flour	Barrel	31,334	194,271	11	189
Buckwheat meal and flour ...	Cwt.	2	15	-	-
Cornmeal	Barrel	22,574	188,766	15,618	161,580
Malt flour	Pound	50,100	3,486	119,500	8,607
Rye flour	Barrel	196	1,671	36	1,238
Oatmeal and rolled oats	Pound	200	30	608	77
Barley, pot and pearl	"	-	-	-	-
Hominy, cracked, ground, etc.	-	-	167,838	-	94,392
Rice, bran, meal and flour .	Pound	3,861	413	184,352	15,896
Sago and tapioca flour	"	400,005	24,688	2,391,705	211,282
Bran and mill feed	Cwt.	23,639	108,218	69,558	251,551
Cereal food in packages	Pound	136,483	19,595	524,731	99,486
Cereal foods, n.o.p.	-	-	18,306	-	551,487
Semolina	Barrel	-	-	-	-
TOTAL VALUE OF IMPORTS OF MILLED PRODUCTS	-	-	727,297	-	1,395,785
Grains -					
Wheat	Bushel	1,981	4,875	1,181	2,750
Oats	"	1,775	3,326	829	1,234
Barley, buckwheat and rye ..	"	3,453	4,993	8,591	14,033
Corn for all purposes	"	1,659,972	2,640,330	4,625,240	8,634,491
Beans, soya	Pound	78,685,000	3,316,259	68,139,291	3,797,359
TOTAL VALUE OF GRAINS IMPORTED	-	-	5,969,783	-	12,449,867

THE FLOUR AND FEED MILLING INDUSTRIES IN CANADA, 1946

Table 9. - Exports of Milled Products and Grains by Quantity and Value, 1945 and 1946

Articles Exported	Unit of Measure	1945		1946	
		Quantity	Value	Quantity	Value
			\$		\$
Milled Products -					
Rye flour	Barrel	26,755	185,315	5,744	63,072
Wheat flour	"	13,730,584	97,854,944	14,984,287	126,733,077
Oatmeal and rolled oats.	Cwt.	1,191,325	5,698,602	1,386,010	6,272,558
Bran, shorts and middlings	"	829,699	1,862,665	581,493	1,376,432
Malt	Bushel	723,021	1,297,630	565,104	1,051,073
Screenings	Cwt.	4,820,214	3,712,621	4,086,937	6,340,089
Cornmeal	Barrel	110,236	772,602	51,282	396,743
All other meals, n.o.p..	Cwt.	101,324	291,686	94,095	452,223
Cereal foods, prepared, all kinds	-	-	773,641	-	919,267
TOTAL VALUE OF MILLED PRODUCTS EXPORTED	-	-	112,449,706	-	143,604,534
Grains -					
Wheat	Bushel	329,672,842	475,786,639	157,529,350	250,305,507
Oats	"	71,116,842	47,659,619	30,243,197	23,108,066
Barley	"	21,868,294	24,101,380	6,298,597	9,687,855
Corn	"	222,290	895,515	158,761	682,970
Rye	"	4,319,145	6,876,329	3,690,270	8,903,752
Buckwheat	"	-	-	1,276	2,090
TOTAL VALUE OF GRAINS EXPORTED	-	-	555,319,482	-	292,690,240

THE FLOUR MILLING INDUSTRY IN CANADA, 1946

SECTION 2. - THE FLOUR MILLING INDUSTRY, 1946

Table 1. - Principal Statistics of the Flour Mills in Canada for the Years 1932 to 1946

Year	Estab-lish-ments	Capital Invested	Em-ployees	Salaries and Wages	Cost of Materials Used	Gross Value of Production
	No.	\$	No.	\$	\$	\$
1932	394	52,417,339	4,325	4,912,371	52,414,311	71,035,283
1933	413	51,989,432	4,153	4,422,639	51,719,587	68,746,624
1934	435	52,491,680	4,263	4,443,991	61,392,000	80,170,600
1935	384	50,278,121	4,244	4,479,679	65,378,617	81,955,937
1936	363	55,275,090	4,416	4,785,910	73,972,242	94,320,594
1937	335	49,617,744	4,469	5,069,316	94,016,740	112,744,579
1938	328	43,395,733	4,454	5,334,366	84,067,240	103,886,310
1939	303	41,167,975	4,540	4,621,370	59,164,699	81,746,050
1940	279	44,674,387	4,724	6,102,744	77,489,397	99,157,327
1941	288	51,570,978	4,896	6,733,703	91,222,378	114,207,864
1942	281	53,482,276	4,999	7,465,544	98,182,809	125,634,302
1943	260	60,890,898	5,337	8,441,616	133,850,395	159,094,142
1944	224	-	5,461	8,925,161	153,579,588	176,705,776
<u>1945</u>						
CANADA	195	-	5,654	9,630,553	158,499,853	184,562,881
Prince Edward Island, Nova Scotia, New Brunswick and British Columbia ..	5	-	15	17,353	146,553	179,966
Quebec	28	-	701	1,395,922	14,986,731	19,119,206
Ontario	81	-	2,705	4,707,882	82,167,112	93,833,823
Manitoba	21	-	700	1,004,406	18,486,425	22,148,409
Saskatchewan	29	-	666	1,163,276	23,520,741	26,167,758
Alberta	31	-	867	1,341,714	19,192,291	23,113,719
<u>1946</u>						
CANADA	184	-	6,012	10,884,848	185,219,470	214,828,021
Quebec	24	-	697	1,482,489	17,147,968	21,292,771
Ontario	80	-	2,906	5,342,275	94,421,751	107,255,253
Manitoba	20	-	696	1,093,441	20,596,682	24,278,323
Saskatchewan	29	-	785	1,390,392	26,506,105	29,965,752
Alberta	29	-	925	1,574,891	26,522,411	32,007,875
Other provinces	3	-	3	1,360	24,553	28,047

THE FLOUR MILLING INDUSTRY IN CANADA, 1946

Table 2. - Production in Flour Mills by Classes and the Provinces, 1946

Products	Unit of Measure	Merchant Grinding		Custom or Exchange Grinding		Total Selling Value at Mill
		Quantity	Value	Quantity	Value	
<u>CANADA</u>						
Wheat flour -						
Spring No.1 or Top Patent including Semolina	Bbl.	6,122,006	37,428,690	9,544	52,345	37,481,035
Spring No.2 Patent	"	4,744,109	26,153,718	248	1,101	26,154,819
Spring No.3 Patent (Strong Bakers or Export Patent.	"	13,727,159	88,481,457	710	3,201	88,484,658
Ontario Winter wheat flour	"	961,716	4,830,857	306	1,584	4,832,441
Durum Semolina and flour	"	165,602	616,807	-	-	616,807
Lower grades of flour ...	"	571,436	2,202,637	9	18	2,202,655
All other	"	732,993	3,918,487	624	3,620	3,922,107
Flour and meal, other -						
Whole wheat and Graham flour	Lb.	111,899	545,480	6	27	545,507
Prepared or self raising flour	"	1,752,028	172,638	100	6	172,644
Barley meal	"	420,220	6,327	-	-	6,327
Rye flour	"	4,337,304	206,251	-	-	206,251
Rye meal	"	2,003,828	71,421	-	-	71,421
Corn flour	"	3,240,648	103,432	-	-	103,432
Corn meal	"	13,982,892	337,039	11,400	331	337,370
Buckwheat flour	"	263,000	7,865	-	-	7,865
Breakfast foods -						
Prepared breakfast foods.	Lb.	1,009,809	93,066	-	-	93,066
Oatmeal	Ton	11,521	1,017,896	-	-	1,017,896
Rolled oats	"	113,726	9,818,570	-	-	9,818,570
Rolled or flaked wheat ..	Lb.	838,971	23,685	-	-	23,685
Unprepared breakfast foods	"	12,279,945	746,596	-	-	746,596
Other products -						
Barley, pot and pearl ...	Lb.	6,129,590	176,019	-	-	176,019
Corn, cracked	"	82,400	3,774	-	-	3,774
Stock and poultry feeds .	Ton	54,407	2,406,481	138	7,302	2,413,783
Shorts and middlings	"	516,098	13,710,555	231	6,704	13,717,259
Bran	"	439,679	9,788,952	241	6,514	9,795,466
Chopped grain feed	"	141,863	5,262,733	87,769	3,353,962	8,596,695
Alfalfa meal	"	2,840	71,880	-	-	71,880
Offal, not otherwise specified	"	135,196	3,118,324	20	800	3,119,124
All other products	-	-	88,869	-	-	88,869
TOTAL	-	-	211,410,506	-	3,417,515	214,828,021

THE FLOUR MILLING INDUSTRY IN CANADA, 1946

Table 2. - Production in Flour Mills by Classes and the Provinces, 1946 - Cont'd

Products	Unit of Measure	Merchant Grinding		Custom or Exchange Grinding		Total Selling Value at Mill
		Quantity	Value	Quantity	Value	
<u>QUEBEC</u>						
Wheat flour -						
Spring No.1 or Top Patent including Semolina	Bbl.	1,191,552	7,561,288	6,424	34,950	7,596,238
Spring No.2 Patent	"	415,348	1,715,711	-	-	1,715,711
Spring No.3 Patent (Strong Bakers or Export Patent).	"	839,203	6,620,715	-	-	6,620,715
Ontario Winter wheat flour	"	715	4,075	-	-	4,075
Lower grades of flour	"	167,697	618,146	-	-	618,146
All other	"	160,949	1,007,767	-	-	1,007,767
Flour and meal, other -						
Buckwheat flour	Lb.	8,000	320	-	-	320
Corn, meal	"	4,500	135	11,400	331	466
Breakfast foods -						
Prepared breakfast foods .	Lb.	711,809	69,226	-	-	69,226
Other products -						
Stock and poultry feeds ..	Ton	9,438	377,520	88	4,802	382,322
Shorts and middlings	"	46,010	1,382,095	122	4,105	1,386,200
Bran	"	40,297	1,130,225	118	3,701	1,133,926
Chopped grain feed	"	7,229	290,315	8,973	367,095	657,410
Offal, not otherwise specified	"	3,725	99,449	20	800	100,249
TOTAL	-	-	20,876,987	-	415,784	21,292,771
<u>ONTARIO</u>						
Wheat flour -						
Spring No.1 or Top Patent including Semolina	Bbl.	2,141,429	13,633,770	-	-	13,633,770
Spring No.2 Patent	"	2,114,602	12,031,807	-	-	12,031,807
Spring No.3 Patent (Strong Bakers or Export Patent).	"	7,565,523	48,249,052	-	-	48,249,052
Ontario Winter Wheat flour	"	961,001	4,826,782	306	1,584	4,828,366
Durum Semolina and flour .	"	163,829	606,167	-	-	606,167
Lower grades of flour	"	243,035	984,647	-	-	984,647
All other	"	197,731	1,063,182	-	-	1,063,182
Flour and meal, other -						
Whole wheat and graham flour	Lb.	47,329	218,910	-	-	218,910
Prepared or self-raising flour	"	1,748,520	172,404	-	-	172,404
Barley meal	"	266,000	4,936	-	-	4,936
Rye flour	"	4,326,426	206,034	-	-	206,034
Rye meal	"	1,940,008	70,443	-	-	70,443

THE FLOUR MILLING INDUSTRY IN CANADA, 1946

Table 2. - Production in Flour Mills by Classes and the Provinces, 1946 - Cont'd

Products	Unit of Measure	Merchant Grinding		Custom or Exchange Grinding		Total Selling Value at Mill
		Quantity	Value	Quantity	Value	
ONTARIO - Conc.						
Flour and meal, other -(Conc.)						
Corn flour	Lb.	3,245,648	103,432	-	-	103,432
Corn meal	"	13,978,392	336,904	-	-	336,904
Buckwheat flour	"	255,000	7,545	-	-	7,545
Breakfast foods -						
Oatmeal	Ton	4,164	369,280	-	-	369,280
Rolled oats	"	49,485	4,405,712	-	-	4,405,712
Rolled or flaked wheat ..	Lb.	375,458	10,643	-	-	10,643
Unprepared breakfast foods	"	5,565,382	320,102	-	-	320,102
Other products -						
Barley, pot and pearl ...	Lb.	1,763,608	52,728	-	-	52,728
Corn, cracked	"	82,400	3,774	-	-	3,774
Stock and poultry feeds .	Ton	20,197	985,763	50	2,500	988,263
Shorts and middlings	"	255,164	7,055,267	7	240	7,055,507
Bran	"	195,387	5,070,058	8	275	5,070,333
Chopped grain feed	"	67,503	2,523,790	67,917	2,618,390	5,142,180
Alfalfa meal	"	2,840	71,880	-	-	71,880
Offal, not otherwise specified	"	45,585	1,170,797	-	-	1,170,797
All other products	-	-	76,455	-	-	76,455
TOTAL	-	-	104,632,264	-	2,622,989	107,255,253
MANITOBA						
Wheat flour -						
Spring No.1 or Patent including Semolina	Bbl.	699,945	4,095,630	738	3,462	4,099,092
Spring No.2 Patent	"	950,418	5,620,096	69	311	5,620,407
Spring No.3 Patent (Strong Bakers or Export Patent)	"	1,235,951	7,151,601	-	-	7,151,601
Durum Semolina and flour.	"	1,773	10,640	-	-	10,640
Lower grades of flour ...	"	42,865	119,771	-	-	119,771
All other	"	27,193	164,906	600	3,500	168,406
Flour and meal, other -						
Whole wheat and Graham flour	Lb.	25,796	135,847	-	-	135,847
Rye meal	"	63,820	978	-	-	978
Breakfast foods -						
Oatmeal	Ton	2,160	159,943	-	-	159,943
Rolled oats	"	17,788	1,316,665	-	-	1,316,665
Rolled or flaked wheat ..	"	249,800	6,745	-	-	6,745
Unprepared breakfast foods	"	2,288,776	171,424	-	-	171,424

THE FLOUR MILLING INDUSTRY IN CANADA, 1946

Table 2. - Production in Flour Mills by Classes and the Provinces, 1946 - Cont'd.

Products	Unit of Measure	Merchant Grinding		Custom or Exchange Grinding		Total Selling Value at Mill
		Quantity	Value	Quantity	Value	
<u>MANITOBA - Conc.</u>						
Other products -						
Barley, pot and pearl ...	Lb.	2,135,420	55,983	-	-	55,983
Stock and poultry feeds .	Ton	22,145	925,388	-	-	925,388
Shorts and middlings	"	58,685	1,606,985	25	634	1,607,619
Bran	"	85,082	1,098,699	35	839	1,099,538
Chopped grain feed	"	33,662	1,223,167	1,248	38,842	1,262,009
Offal, not otherwise specified	"	14,423	365,983	-	-	365,983
All other products	-	-	284	-	-	284
TOTAL	-	-	24,230,735	-	47,588	24,278,323
<u>SASKATCHEWAN</u>						
Wheat flour -						
Spring No.1 or Top Patent including Semolina	Bbl.	1,292,086	7,149,127	1,052	4,908	7,154,035
Spring No.2 Patent	"	188,343	1,199,548	10	43	1,199,591
Spring No.3 Patent (Strong Bakers or Export Patent) .	"	2,114,426	11,777,418	242	1,371	11,778,789
Lower grades of flour	"	15,033	61,314	-	-	61,314
All other	"	204,844	951,554	-	-	951,554
Flour and meal, other -						
Whole wheat and Graham flour	lb.	3,906	18,954	3	12	18,966
Prepared or self-raising flour	"	2,200	143	-	-	143
Rye flour	"	10,878	217	-	-	217
Breakfast foods -						
Prepared breakfast foods	Lb.	298,000	23,840	-	-	23,840
Oatmeal	Ton	2,840	325,041	-	-	325,041
Rolled oats	"	39,678	3,616,260	-	-	3,616,260
Rolled or flakes wheat ..	Lb.	213,713	6,297	-	-	6,297
Unprepared breakfast foods	"	121,820	3,697	-	-	3,697
Other products -						
Barley, pot and pearl ..	Lb.	2,030,952	60,410	-	-	60,410
Stock and poultry feeds .	Ton	800	42,551	-	-	42,551
Shorts and middlings ...	"	80,097	1,868,092	31	758	1,868,850
Bran	"	58,791	1,177,595	29	646	1,178,241

THE FLOUR MILLING INDUSTRY IN CANADA, 1946

Table 2. - Production in Flour Mills by Classes and the Provinces, 1946. - Conc.

Products	Unit of Measure	Merchant Grinding		Custom or Exchange Grinding		Total Selling Value at Mill
		Quantity	Value	Quantity	Value	
<u>SASKATCHEWAN - Conc.</u>						
Other products - conc.						
Chopped grain feed	Ton	9,516	394,340	1,972	65,750	460,090
Offal, not otherwise specified	"	59,178	1,213,076	-	-	1,213,076
All other products	-	-	2,790	-	-	2,790
TOTAL	-	-	29,892,264	-	73,488	29,965,752
<u>ALBERTA</u>						
Wheat flour -						
Spring No.1 or Top Patent including semolina	Ebl.	796,994	4,988,875	1,330	9,025	4,997,900
Spring No.2 Patent	"	1,075,398	5,586,556	161	702	5,587,258
Spring No. 3 Patent (Strong Bakers or Export Patent) ..	"	1,972,056	14,682,671	468	1,830	14,684,501
Lower grades of flour ...	"	102,806	418,759	9	18	418,777
All other	"	142,276	731,078	-	-	731,078
Flour and meal, other -						
Whole wheat and Graham flour	Lb.	34,868	171,769	3	15	171,784
Prepared or self-raising flour	"	1,308	91	100	6	97
Barley meal	"	154,220	1,391	-	-	1,391
Breakfast foods -						
Oatmeal	Ton	2,357	163,632	-	-	163,632
Rolled oats	"	6,775	479,933	-	-	479,933
Unprepared breakfast foods	Lb.	4,303,967	251,373	-	-	251,373
Other products -						
Barley, pot and pearl	Lb.	199,610	6,898	-	-	6,898
Stock and poultry feeds .	Ton	1,827	75,259	-	-	75,259
Shorts and middlings	"	76,142	1,798,116	46	967	1,799,083
Bran	"	60,122	1,312,375	50	1,021	1,313,396
Chopped grain feed	"	23,953	831,121	6,968	216,035	1,047,156
Offal, not otherwise specified	"	12,285	269,019	-	-	269,019
All other products	-	-	9,390	-	-	9,340
TOTAL	-	-	31,778,256	-	229,619	32,007,875

THE FLOUR MILLING INDUSTRY IN CANADA, 1946

Table 3. - Materials Used in Flour Mills, by Provinces

Materials	Unit of Measure	CANADA	
		Quantity	Value
			\$
Wheat	Bushel	122,303,053	153,991,148
Oats	"	16,879,421	8,940,125
Barley	"	3,268,697	2,280,899
Rye	"	181,238	278,712
Corn	"	670,186	1,016,806
Buckwheat	"	18,128	15,609
Peas	"	753	2,102
Mixed grain for chopping	"	4,206,070	2,837,751
Other grains	"	160,523	110,966
Alfalfa	Ton	3,131	66,847
All other materials	-	-	1,142,406
Cost of containers purchased .	-	-	14,536,089
Cost of materials used in making containers	-	-	10
TOTAL	-	-	185,219,470

Materials	Unit of Measure	QUEBEC		ONTARIO	
		Quantity	Value	Quantity	Value
			\$		\$
Wheat	Bushel	12,146,860	15,146,620	60,841,461	78,140,659
Oats	"	282,304	174,516	6,303,885	4,204,156
Barley	"	381,195	300,187	1,278,594	940,794
Rye	"	500	500	144,723	213,330
Corn	"	2,962	3,995	655,157	998,334
Buckwheat	"	3,970	4,482	11,766	8,784
Peas	"	-	-	541	1,563
Mixed grain for chopping	"	171,840	113,935	3,747,474	2,540,608
Other grains	"	-	-	1,200	693
Alfalfa	Ton	-	-	3,131	66,847
All other materials	-	-	265,993	-	451,532
Cost of containers purchased .	-	-	1,137,740	-	6,854,451
Cost of materials used in making containers	-	-	-	-	-
TOTAL	-	-	17,147,968	-	94,421,751

THE FLOUR MILLING INDUSTRY IN CANADA, 1946

Table 3. - Materials Used in Flour Mills, by Provinces, 1946 - Concluded

	Unit of Measure	Manitoba		Saskatchewan	
		Quantity	Value	Quantity	Value
			\$		\$
Wheat	Bushel	13,324,502	16,210,226	17,448,605	21,435,037
Oats	"	2,805,134	1,484,074	5,583,916	2,125,727
Barley	"	968,571	622,123	254,475	145,117
Rye	"	23,457	39,414	477	1,395
Corn	"	10,091	12,027	-	-
Buckwheat	"	1,217	1,227	-	-
Peas	"	-	-	-	-
Mixed grains for chopping ..	"	60,794	60,493	60,425	34,875
Other grains	"	158,637	108,900	-	-
Alfalfa	Ton	-	-	-	-
All other materials	-	-	255,623	-	36,123
Cost of containers purchased	-	-	1,802,575	-	2,727,831
Cost of materials used in making containers	-	-	-	-	-
TOTAL	-	-	20,596,682	-	26,506,105

	Unit of Measure	Alberta	
		Quantity	Value
			\$
Wheat	Bushel	18,541,463	23,058,444
Oats	"	1,883,934	937,478
Barley	"	378,394	267,077
Rye	"	12,081	24,073
Corn	"	1,976	2,450
Buckwheat	"	-	-
Peas	"	212	539
Mixed grain for chopping	"	158,537	84,340
Other grains	"	686	1,373
Alfalfa	Ton	-	-
All other materials	-	-	133,135
Cost of containers purchased .	-	-	2,013,492
Cost of materials used in making containers	-	-	10
TOTAL	-	-	26,522,411

THE FLOUR MILLING INDUSTRY IN CANADA, 1946

Table 4. - Capital Invested in Flour Mills, for the years, 1934 to 1943

Year	Fixed Capital	Working Capital		Total Capital
	Present value of land, buildings fixtures, machinery, tools, etc.	Inventory value of materials on hand, stocks in process, finished products, fuel and miscellaneous supplies, etc.	Cash, trading and operating accounts, etc.	
	\$	\$	\$	\$
1934	25,548,362	17,643,149	9,300,169	52,491,680
1935	25,228,104	15,702,433	9,347,584	50,278,121
1936	23,909,429	18,189,697	13,175,964	55,275,090
1937	23,667,541	18,111,125	7,839,078	49,617,744
1938	23,804,230	9,361,972	10,229,531	43,395,733
1939	21,677,350	12,823,418	6,667,207	41,167,975
1940	21,979,837	17,346,908	5,347,642	44,674,387
1941	25,056,978	18,902,695	7,611,305	51,570,978
<u>1942</u>				
CANADA	25,313,096	20,519,702	7,649,478	53,482,276
Prince Edward Island	35,000	1,300	1,200	37,500
Nova Scotia and New Brunswick	19,500	713	5,000	25,213
Quebec	2,915,464	1,967,361	2,219,995	7,102,820
Ontario	13,630,880	8,443,138	2,926,473	25,000,491
Manitoba	2,584,074	2,727,585	430,399	5,742,058
Saskatchewan	2,904,271	3,900,517	680,411	7,485,199
Alberta	3,187,486	3,455,756	1,335,568	7,978,810
British Columbia /1.	36,421	23,332	50,432	110,185
<u>1943</u>				
CANADA	23,513,240	27,877,373	9,585,816	60,976,429
Prince Edward Island	37,500	1,000	1,200	39,700
Nova Scotia and New Brunswick	15,000	776	4,236	20,012
Quebec	2,435,846	2,923,474	2,202,025	7,561,345
Ontario	12,815,129	11,387,654	4,286,564	28,489,347
Manitoba	2,229,181	4,829,116	504,351	7,562,648
Saskatchewan	2,798,515	4,139,505	1,222,823	8,160,843
Alberta	3,117,678	4,570,985	1,304,626	8,993,289
British Columbia /1.	64,391	24,863	59,991	149,245

/1 Includes feed mills.
Not Collected for 1944 - 1945 - 1946.

THE FLOUR MILLING INDUSTRY IN CANADA, 1946

Table 5. - Size of Establishments, 1945 and 1946

Establishments having a production of -	Estab- lish- ments	Capital Invested	Em- ployees	Salaries and Wages	Cost of Materials Used	Total Production
	No.	\$	No.	\$	\$	\$
<u>1945</u>						
Under \$50,000	65	-	196	317,477	1,364,265	1,654,055
\$ 50,000 to \$ 99,999 ..	24	-	88	103,930	1,375,101	1,656,766
\$ 100,000 to \$ 199,999 ..	37	-	266	340,484	4,430,187	5,282,269
\$ 200,000 to \$ 499,999 ..	27	-	369	567,426	7,957,798	9,382,370
\$ 500,000 to \$ 999,999 ..	12	-	301	450,062	7,745,339	9,068,883
\$1,000,000 to \$4,999,999 ..	19	-	1,444	2,351,034	36,806,687	43,173,497
\$5,000,000 and over	11	-	2,990	5,500,140	98,820,476	114,345,041
TOTAL	195	-	5,654	9,630,553	158,499,853	184,562,881
<u>1946</u>						
Under \$50,000	44	-	159	247,864	827,575	974,950
\$ 50,000 to \$ 99,999 ..	19	-	77	98,191	1,151,150	1,433,821
\$ 100,000 to \$ 199,999 ..	37	-	223	303,971	4,377,498	5,394,036
\$ 200,000 to \$ 499,999 ..	32	-	350	578,491	8,820,443	10,334,320
\$ 500,000 to \$ 999,999 ..	18	-	411	675,022	10,748,940	12,888,202
\$1,000,000 to \$4,999,999 ..	20	-	1,306	2,332,575	34,725,224	41,175,590
\$5,000,000 and over	14	-	3,486	6,648,734	124,568,640	142,627,102
TOTAL	184	-	6,012	10,884,848	185,219,470	214,828,021

THE FLOUR MILLING INDUSTRY IN CANADA, 1946

Table 6a - Daily Capacity of Flour Mills, 1945 and 1946

Capacity of Mills per day of 24 hours -	Number of Mills	Total Capacity of the Mills in each group	Average per establishment	Per cent of Total	Number of barrels produced during the year	Average per establishment	Per cent of Total
	No.	barrels	Barrels	%	barrels	barrels	%
<u>1945 /1</u>							
Under 100 barrels	83	4,135	50	4.1	294,199	3,545	1.2
100 to 199 barrels ...	52	6,185	119	6.2	901,134	17,330	3.6
200 to 299 barrels ...	19	4,338	228	4.3	998,112	52,532	3.9
300 to 499 barrels ...	12	4,300	358	4.3	997,430	83,119	3.9
500 to 999 barrels ...	7	4,600	657	4.6	1,252,391	178,913	5.0
1,000 to 2,999 barrels ..	13	23,150	1,781	23.1	6,724,796	517,292	26.7
3,000 to 4,999 barrels ..	4	13,250	3,313	13.1	4,167,319	1,041,830	16.5
5,000 barrels and over ..	5	40,500	8,100	40.3	9,886,736	1,997,347	39.2
TOTAL AND AVERAGE	195	100,458	515	100.0	25,222,117	129,395	100.0
<u>1946 /1</u>							
Under 100 barrels	67	3,168	47	3.1	280,672	4,189	1.0
100 to 199 barrels ..	55	6,643	121	6.4	1,168,623	21,248	4.3
200 to 299 barrels ...	18	4,095	228	4.0	989,528	54,974	3.6
300 to 499 barrels ..	14	5,105	365	4.9	1,321,415	94,386	4.9
500 to 999 barrels ..	6	3,800	633	3.7	1,092,822	182,137	4.0
1,000 to 2,999 barrels ..	14	23,603	1,686	22.8	7,141,649	510,118	26.3
3,000 to 4,999 barrels ..	5	16,550	3,310	16.0	4,689,302	937,860	17.3
5,000 barrels and over ..	5	40,500	8,100	39.1	10,467,921	2,093,584	38.6
TOTAL AND AVERAGE ...	184	103,464	562	100.0	27,151,932	147,565	100.0

/1 Includes Whole wheat and Graham flour.

THE FLOUR MILLING INDUSTRY IN CANADA, 1946

Table 6b. - Equipment and Capacity of Flour Mills, 1946

Province	Estab- lish- ments	Pairs of Rolls	Pairs of Stones	Estimated Maximum Capacity per day
	No.	No.	No.	Bbl.
Quebec	24	347	21	10,690
Ontario	80	1,583	26	53,683
Manitoba	20	477	3	10,835
Saskatchewan	29	507	5	13,183
Alberta	29	576	1	14,878
CANADA	184	3,494	56	103,464

THE FLOUR MILLING INDUSTRY IN CANADA, 1946

Table 7. - Employees, Salaries and Wages in Flour Mills, 1945 and 1946

Year and Provinces	Employees on Salaries			Employees on Wages			Total Employees Salaries and Wages		
	Male	Female	Total Salaries	Male	Female	Total Wages	Male	Female	Salaries and Wages
	No.	No.	\$	No.	No.	\$	No.	No.	\$
<u>1945</u>									
CANADA	905	456	2,871,363	4,002	311	6,769,330	4,907	767	9,640,693
Prince Edward Island and New Brunswick.	4	-	1,660	4	-	4,496	8	-	6,156
Quebec	141	57	572,290	472	31	823,632	613	88	1,395,922
Ontario	322	178	1,114,752	2,104	101	3,593,130	2,426	279	4,707,882
Manitoba	121	44	287,516	436	99	716,890	557	143	1,004,406
Saskatchewan ...	132	80	385,708	422	32	777,568	554	112	1,163,276
Alberta	179	95	505,357	545	48	836,357	724	143	1,341,714
British Columbia /1 ...	6	2	4,080	19	-	17,257	25	2	21,337
<u>1946</u>									
CANADA	928	390	3,010,516	4,433	261	7,874,332	5,361	651	10,884,848
Quebec	146	63	588,603	477	11	893,886	623	74	1,482,489
Ontario	344	162	1,229,317	2,294	106	4,112,958	2,638	268	5,342,275
Manitoba	94	33	229,910	495	74	863,531	589	107	1,093,441
Saskatchewan ...	148	64	433,436	543	30	956,956	691	94	1,390,392
Alberta	194	68	528,350	623	40	1,046,541	817	108	1,574,891

/1 Includes feed mills.

THE FLOUR MILLING INDUSTRY IN CANADA, 1946

Table 8. - Monthly Employment of Wage-Earners, 1945 and 1946

Months	In Flour Mills			
	1945		1946	
	Male No.	Female No.	Male No.	Female No.
January	3,996	333	4,076	259
February	3,986	324	4,152	259
March	4,025	318	4,294	243
April	3,891	301	4,290	230
May	3,951	276	4,382	223
June	3,989	263	4,413	214
July	3,955	261	4,496	239
August	3,992	283	4,517	262
September	4,027	307	4,565	288
October	4,103	335	4,593	322
November	4,189	342	4,680	307
December	4,161	322	4,637	289
Average monthly employment	3,989	311	4,433	261

Table 9. - Number of Wage-earners in Month of Highest Employment with their Regular Hours of Work and Average Weekly earnings, 1944 and 1945

Number of Hours Worked per week /1	Number of Employees				Number of Hours Worked per week	Number of Employees			
	1944		1945			1944		1945	
	Male	Female	Male	Female		Male	Female	Male	Female
30 hours or less	210	28	223	27	51-54 hours ...	504	13	483	10
31-43 hours ..	251	121	193	110	55 hours	64	10	117	6
44 hours	172	44	56	21	56-64 hours ...	807	12	636	17
45-47 hours ..	112	15	122	27	65 hours and over	391	-	332	1
48 hours	1,415	154	2,060	131	Average hours per week	51.1	43.4	50.4	43.5
49-50 hours ..	232	13	166	11	Average weekly earnings	\$30.77	\$15.07	\$30.39	\$15.18

The above table does not include overtime.

/1 Not collected in 1946.

THE FLOUR MILLING INDUSTRY IN CANADA, 1946

Table 10. - Power Equipment in Flour Mills, 1945 and 1946

Classes of Power	1945		1946		
	Number of Units	Manufacturers' Rating of Horse-power Capacity	Number of Units	Manufacturers' Rating of Horse-power Capacity	
Steam engines and steam turbines	In use Idle	26 3	3,520 245	23 3	3,167 285
Diesel engines	In use Idle	36 3	2,002 240	32 5	2,088 319
Gasoline, gas and oil engines, other than diesel	In use Idle	31 5	789 170	21 4	654 110
Hydraulic turbines or Water wheels	In use Idle	106 11	10,249 378	94 7	9,983 233
Electric motors operated by purchased power	In use Idle	2,487 130	57,802 4,986	2,698 175	58,224 5,386
TOTAL POWER USED IN MANUFACTURING		2,838	80,381	3,062	80,449
Electric motors operated by power generated by the establishment	In use Idle	47 -	960 -	47 -	960 -
Boilers	In use Idle	32 9	4,883 125	23 1	4,123 110
Motor generator sets ...	In use Idle	4 -	91 -	6 -	207 -

Table 11. - Consumption of Fuel and Electricity, 1945 and 1946

Kinds of Fuel	Unit of Measure	1945		1946	
		Quantity	Cost Value	Quantity	Cost Value
			\$		\$
Bituminous coal	Short ton	30,918	226,131	39,867	293,038
Anthracite coal	" "	157	1,658	677	5,419
Lignite coal	" "	16,816	71,366	11,444	47,331
Coke	" "	106	1,440	40	538
Gasoline	Imp. Gal.	184,119	58,895	236,699	78,721
Kerosene or coal oil.	" "	6,913	1,311	1,560	255
Fuel and diesel oil .	" "	187,737	31,475	213,979	34,433
Wood	Cord	2,003	10,206	874	5,993
Gas, manufactured and natural	M cu. ft.	477,721	27,147	219,271	23,306
Other fuel	-	-	12,728	-	6,690
Electricity purchased	K.W.H.	40,183,559	1,098,401	153,158,991	1,244,546
Electricity generated for sale	-	-	-	-	-
TOTAL COST OF FUEL AND ELECTRICITY		-	1,540,758	-	1,740,270

THE FEED AND CHOPPING MILL INDUSTRY IN CANADA, 1946

SECTION 3. - FEED AND CHOPPING MILLS IN CANADA, 1946

Table 1. - Principal Statistics of the Feed and Chopping Mill Industries in Canada, for the Years, 1933-1946

Year	Estab- lish- ments	Capital Invested	Em- p- loyees	Salaries and Wages	Cost Materials Used	Gross Value of Production
	No.	\$	No.	\$	\$	\$
1933	915	7,065,073	1,317	685,448	11,578,261	14,575,475
1934	875	6,801,746	1,370	691,321	12,656,243	15,575,583
1935	743	6,197,194	1,210	685,828	12,693,050	15,611,931
1936	755	6,592,197	1,269	757,035	16,641,994	20,296,505
1937	751	6,662,288	1,334	808,441	17,541,591	20,889,600
1938	752	6,715,273	1,324	828,985	15,351,554	18,711,858
1939	747	6,758,343	1,358	894,126	16,270,466	20,031,379
1940	748	7,496,105	1,491	998,623	18,804,887	23,337,432
1941	844	8,425,629	1,643	1,172,298	24,748,779	30,007,770
1942	894	9,160,083	1,731	1,318,368	28,228,172	33,875,151
1943	871	9,978,917	1,826	1,574,122	35,636,127	42,033,149
1944	863	-	1,828	1,586,814	33,537,369	39,084,506
<u>1945</u>						
CANADA	828	-	1,858	1,692,362	33,771,092	39,706,499
Prince Edward Island	4	-	4	1,440	36,544	42,029
Nova Scotia	4	-	14	17,991	52,304	63,965
New Brunswick	11	-	16	9,289	129,633	151,727
Quebec	137	-	321	317,072	3,543,446	4,508,335
Ontario	599	-	1,335	1,184,915	26,862,323	31,324,342
Manitoba	16	-	64	79,815	1,640,654	1,804,095
Saskatchewan	8	-	11	6,316	211,253	261,580
Alberta	44	-	73	65,384	1,242,068	1,482,284
British Columbia ...	5	-	20	10,140	52,867	68,142
<u>1946</u>						
CANADA	790	-	2,024	2,013,312	39,014,228	45,831,430
Prince Edward Island	5	-	6	3,184	63,761	83,443
Nova Scotia	5	-	7	5,030	75,925	90,107
New Brunswick	10	-	14	7,354	87,603	102,257
Quebec	140	-	362	382,598	5,042,699	6,057,973
Ontario	559	-	1,435	1,386,993	29,403,821	34,523,691
Manitoba	17	-	89	127,440	2,515,238	2,794,789
Saskatchewan	8	-	18	17,007	270,134	316,882
Alberta	42	-	72	77,374	1,507,034	1,804,413
British Columbia ...	4	-	21	6,332	48,013	57,875

THE FEED AND CHOPPING MILL INDUSTRY IN CANADA, 1946

Table 2. - Production in Feed and Chopping Mills by Classes, Quantity and Value for Canada and the Provinces, 1945 and 1946.

Provinces	Chopped Grain Feed		Other Products	Total
	Quantity	Value	Value	Value
<u>1945</u>				
CANADA	950,486	34,696,836	5,009,663	39,706,499
Prince Edward Island	679	27,914	14,115	42,029
Nova Scotia	1,339	52,605	11,360	63,965
New Brunswick	3,328	130,240	21,487	151,727
Quebec	85,066	3,311,482	1,196,853	4,508,335
Ontario	760,282	27,944,377	3,379,965	31,324,342
Manitoba	45,873	1,538,830	265,265	1,804,095
Saskatchewan	4,718	169,735	91,845	261,580
Alberta	47,587	1,464,959	17,325	1,482,284
British Columbia	1,614	56,694	11,448	68,142
<u>1946</u>				
CANADA	1,000,192	38,792,538	7,038,892	45,831,430
Prince Edward Island	1,972	71,275	12,168	83,443
Nova Scotia	2,136	84,994	5,113	90,107
New Brunswick	1,601	67,625	34,632	102,257
Quebec	110,357	4,684,639	1,373,334	6,057,973
Ontario	759,746	29,613,194	4,910,497	34,523,691
Manitoba	66,589	2,287,592	507,196	2,794,789
Saskatchewan	7,008	234,552	82,330	316,882
Alberta	49,467	1,698,687	105,726	1,804,413
British Columbia	1,316	49,979	7,896	57,875

Table 3. - Materials Used in Feed and Chopping Mills, 1945 and 1946

Materials	Unit of Measure	1945		1946	
		Quantity	Value	Quantity	Value
			\$		\$
Wheat	Bushel	3,055,189	2,902,197	3,109,184	3,245,369
Oats	"	9,376,787	5,204,302	11,432,858	6,479,388
Barley	"	6,869,057	4,709,675	8,572,908	6,241,260
Rye	"	15,118	13,216	14,333	12,034
Corn	"	366,750	423,333	385,024	459,101
Buckwheat	"	90,435	85,598	112,390	114,107
Peas	"	92,886	296,812	71,170	223,967
Mixed grain	"	28,887,545	18,469,243	28,377,067	19,733,311
Other grains	"	294,712	200,707	289,620	212,123
Cost of containers	-	-	488,671	-	647,278
Materials used for making containers	-	-	118	-	2,094
All other materials	-	-	977,220	-	1,644,196
TOTAL	-	-	33,771,092	-	39,014,228

THE FEED AND CHOPPING MILL INDUSTRY IN CANADA, 1946

Table 4. - Capital Invested in Feed and Chopping Mills in Canada, for the Years 1931 to 1943

Year	Fixed Capital	Working Capital		Total Capital
	Present value of land, buildings, fixtures, machinery, tools, etc.	Inventory value of materials on hand, stocks in process, finished products, fuel and miscellaneous supplies, etc.	Cash, trading and operating accounts, etc.	
	\$	\$	\$	\$
1931	4,769,977	600,184	648,670	6,018,831
1932	4,643,405	513,708	708,760	5,865,873
1933	5,636,916	680,919	747,238	7,065,073
1934	5,177,302	751,160	873,284	6,801,746
1935	4,769,086	658,972	769,136	6,197,194
1936	4,857,890	893,784	840,523	6,592,197
1937	4,865,347	908,866	888,075	6,662,288
1938	4,883,222	921,036	911,015	6,715,273
1939	4,914,395	851,517	992,431	6,758,343
1940	5,366,417	1,034,647	1,095,041	7,496,105
1941	5,903,713	1,301,276	1,220,640	8,425,629
<u>1 9 4 2</u>				
CANADA	6,267,958	1,462,322	1,429,803	9,160,083
Prince Edward Island.	90,000	-	150	9,150
Nova Scotia	73,814	76,597	43,911	194,322
New Brunswick	55,465	38,519	35,653	129,637
Quebec	703,393	136,685	165,904	1,005,982
Ontario	5,149,778	1,157,728	1,104,353	7,411,859
Manitoba	70,130	25,551	22,723	118,404
Saskatchewan	33,360	4,634	3,272	41,266
Alberta	159,097	15,444	19,322	193,863
British Columbia	13,921	7,164	34,515	55,600
<u>1 9 4 3</u>				
CANADA	6,391,307	1,706,643	1,880,967	9,978,917
Prince Edward Island.	7,500	80	150	7,730
Nova Scotia	52,944	17,066	111,245	181,255
New Brunswick	56,565	51,693	39,066	147,324
Quebec	844,373	219,538	227,409	1,291,320
Ontario	5,087,173	1,365,383	1,387,117	7,839,673
Manitoba	107,038	15,429	39,233	161,700
Saskatchewan	33,272	7,946	7,089	48,307
Alberta	168,051	18,294	29,732	216,077
British Columbia	34,391	11,214	39,926	85,531

Not collected for 1944 - 1945 - 1946.

THE FEED AND CHOPPING MILL INDUSTRY IN CANADA, 1946

Table 5. - Size of Establishments, 1945 and 1946

Establishments having a production of -	Estab- lish- ments	Capital Invested	Em- ployees	Salaries and Wages	Cost of Materials Used	Total Production
	No.	\$	No.	\$	\$	\$
<u>1945</u>						
Under \$50,000	552	-	805	502,071	9,881,727	11,657,004
\$ 50,000 to \$ 99,999	188	-	518	507,342	11,123,293	13,039,881
\$100,000 to \$199,999	72	-	350	425,592	7,809,763	9,242,016
\$200,000 to over \$500,000	16	-	185	257,357	4,956,309	5,767,598
TOTAL	828	-	1,858	1,692,362	33,771,092	39,706,499
<u>1946</u>						
Under \$50,000	467	-	730	458,094	8,725,036	10,234,523
\$ 50,000 to \$ 99,999	203	-	536	528,417	11,946,280	13,943,631
\$100,000 to \$199,999	96	-	501	640,031	10,695,172	12,669,411
\$200,000 to over \$500,000 ...	24	-	257	386,770	7,647,740	8,983,865
TOTAL	790	-	2,024	2,013,312	39,014,228	45,831,430

THE FEED AND CHOPPING MILL INDUSTRY IN CANADA, 1946

Table 6. - Employees, Salaries and Wages in Feed and Chopping Mills, 1945 and 1946

Provinces	Employees on Salaries			Employees on Wages			Total Employees, Salaries and Wages		
	Male	Female	Total Salaries	Male	Female	Total Wages	Male	Female	Salaries and Wages
	No.	No.	\$	No.	No.	\$	No.	No.	\$
<u>1945</u>									
CANADA	706	91	651,003	1,046	15	1,041,359	1,752	106	1,692,362
Prince Edward Island	3	-	1,200	1	-	240	4	-	1,440
Nova Scotia	5	1	7,702	8	-	10,289	13	1	17,991
New Brunswick ...	9	1	4,419	6	-	4,870	15	1	9,289
Quebec	127	18	130,396	171	5	186,676	298	23	137,072
Ontario	486	65	443,818	775	9	741,097	1,261	74	1,184,915
Manitoba	20	1	21,885	42	1	57,932	62	2	79,815
Saskatchewan	7	-	3,460	4	-	2,856	11	-	6,316
Alberta	44	3	35,845	26	-	29,539	70	3	65,384
British Columbia.	5	2	2,280	13	-	7,860	18	2	10,140
<u>1946</u>									
CANADA	756	77	793,664	1,171	20	1,219,648	1,927	97	2,013,312
Prince Edward Island	4	-	1,945	2	-	1,239	6	-	3,184
Nova Scotia	2	-	630	5	-	4,400	7	-	5,030
New Brunswick ...	9	-	3,360	5	-	3,994	14	-	7,354
Quebec	139	15	147,002	200	8	235,596	339	23	382,598
Ontario	530	55	561,354	838	12	825,639	1,368	67	1,386,993
Manitoba	22	2	33,855	65	-	93,585	87	2	127,440
Saskatchewan	7	-	5,304	11	-	11,703	18	-	17,007
Alberta	39	2	38,204	31	-	39,170	70	2	77,374
British Columbia.	4	3	2,010	14	-	4,322	18	3	6,332

THE FEED AND CHOPPING MILL INDUSTRY IN CANADA, 1946

Table 7. - Monthly Employment of Wage-earners, 1945 and 1946

	In Feed and Chopping Mills			
	1945		1946	
	Male	Female	Male	Female
	No.	No.	No.	No.
January	1,012	14	1,094	18
February	1,008	14	1,112	17
March	1,008	14	1,124	16
April	984	14	1,080	18
May	966	14	1,106	18
June	949	14	1,084	19
July	944	14	1,100	21
August	962	14	1,108	18
September	996	14	1,173	20
October	1,047	13	1,194	23
November	1,085	11	1,223	22
December	1,105	12	1,199	21
Average monthly employment	1,045	15	1,171	20

Table 8. - Number of Wage-earners in Month of Highest Employment with their Regular Hours of Work and Average Weekly Earnings, 1944 and 1945

Number of Hours Worked per Week /1	Number of Employees				Number of Hours Worked per Week	Number of Employees			
	1944		1945			1944		1945	
	Male	Female	Male	Female		Male	Female	Male	Female
30 hours or less	86	1	71	-	51-54 hours .	275	-	211	-
31-43 hours	21	4	27	3	55 hours	54	1	53	-
44 hours	29	-	37	-	56-64 hours .	319	1	212	-
45-47 hours	27	-	27	1	65 hours and over	41	-	45	-
48 hours	186	4	382	7	Average hours per week ...	51.6	44.2	50.4	46.1
49-50 hours	111	1	135	4	Average weekly earnings	\$20.11	\$13.25	\$21.41	\$14.40

/1 Not collected in 1946.

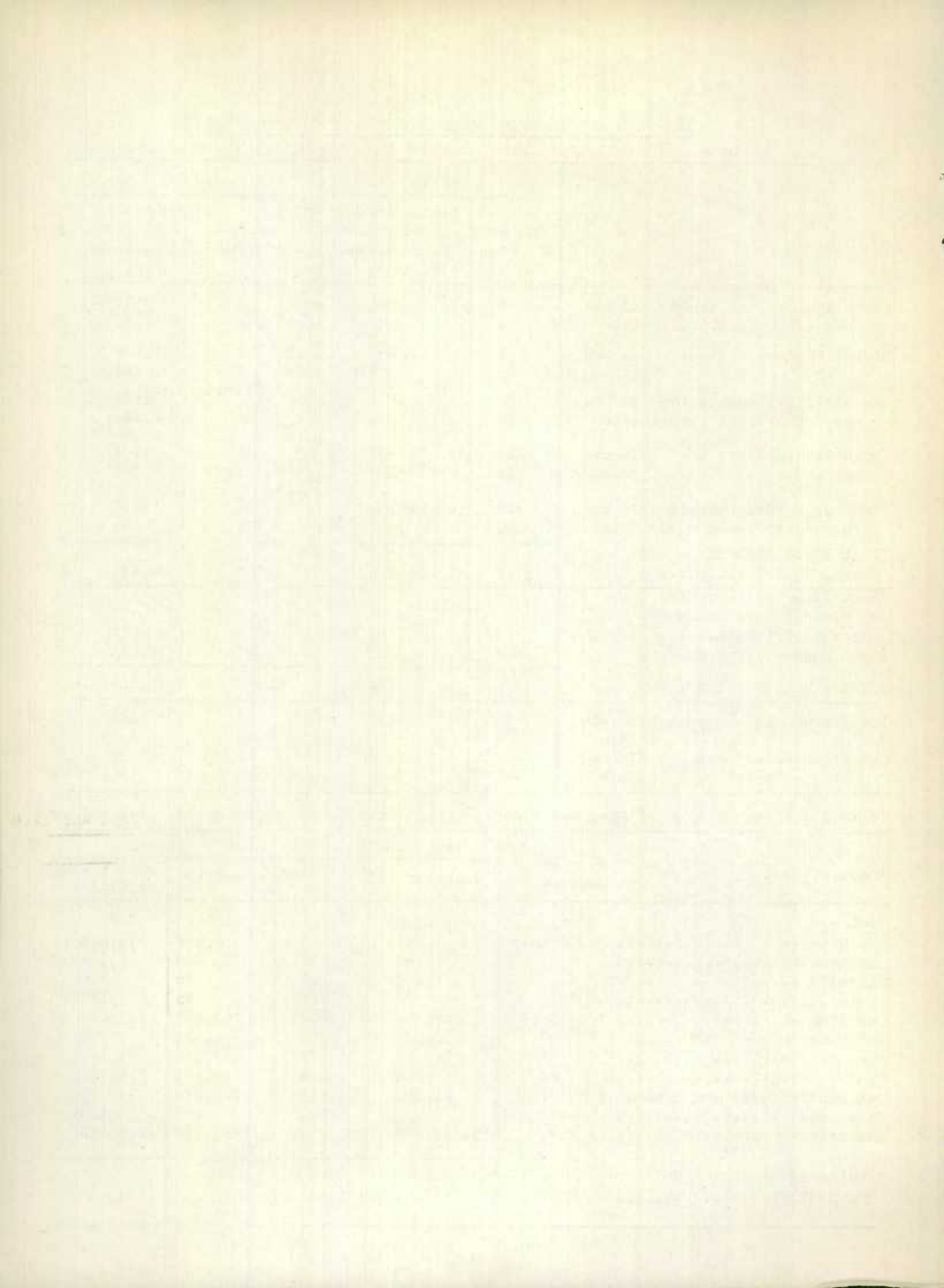
THE FEED AND CHOPPING MILL INDUSTRY IN CANADA, 1946

Table 9. - Power Equipment in Feed and Chopping Mills, 1945 and 1946

		1945		1946	
		Number of Units	Manufacturers' Rating of Horse-power Capacity	Number of Units	Manufacturers' Rating of Horse-power Capacity
Steam engines and steam turbines	In use	9	269	12	519
	Idle	4	275	2	150
Diesel engines	In use	229	11,430	218	11,072
	Idle	14	657	13	546
Gasoline, gas and oil engines, other than diesel	In use	192	7,332	177	7,036
	Idle	22	808	18	594
Hydraulic turbines or water wheels	In use	293	12,020	301	11,904
	Idle	14	655	13	660
Electric motors operated by purchased power	In use	915	14,568	1,002	15,366
	Idle	30	537	38	639
TOTAL POWER USED IN MANUFACTURING		1,722	48,551	1,794	48,486
Electric motors operated by power generated by the establishment		8	123	6	23
Total Electric Motors ..		953	15,228	1,046	16,028
TOTAL POWER INSTALLATION		1,730	48,674	1,800	48,509
Boilers	In use	6	417	7	300
	Idle	4	250	-	-
Motor generator sets ..	In use	-	-	5	13
	Idle	-	-	-	-

Table 10. - Consumption of Fuel and Electricity in Feed and Chopping Mills, 1945 and 1946

Kinds of Fuel	Unit of Measure	1945		1946	
		Quantity	Total Cost at Mill	Quantity	Total Cost at Mill
Coal -	Ton		\$		\$
Bituminous	(2000 lb.)	1,141	10,949	2,093	19,024
Anthracite	"	293	3,641	269	3,375
Lignite	"	124	555	95	700
Coke	"	78	1,066	38	573
Gasoline	Imp. Gal.	358,750	107,007	361,881	113,057
Kerosene or coal oil	" "	2,089	400	4,894	776
Fuel or diesel oil	" "	603,623	71,827	611,038	74,288
Wood	Cord	774	5,019	4,387	5,112
Gas, manufactured and natural ..	M cu. ft.	21,189	11,619	120,445	11,275
Other fuel	-	-	569	-	149
Electricity purchased	K.W.H.	11,080,476	230,695	11,851,937	265,872
TOTAL COST OF FUEL AND ELECTRICITY		-	443,347	-	494,200



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