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GENERAL MANUFACTURES BRANCH

REPORT
ON THE
FLOUR AND FEED MILLING INDUSTRIES
IN
CANADA
1944



OTTAWA
1946

Price 25 cents

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DEPARTMENT OF TRADE AND COMMERCE
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REPORT
ON THE
FLOUR AND FEED MILLING INDUSTRIES
IN
CANADA

1924

1924

Price 12 cents

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THE FLOUR AND FEED MILLING INDUSTRIES IN CANADA, 1944.

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 1944 reveals a decrease of 44 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 1932 to 1942 and by provinces for the years 1943 and 1944.

The flour milling industry operated at a high level of production in 1944. The output of flour amounting to 24,470,610 barrels was the highest on record and represents an increase of 483,841 barrels or 2 per cent over the 1943 output. The output of oatmeal and rolled oats also increased by 24,923 tons. There were, however, decreases of 162,290 tons in the production of chopped feed; 5,676 tons in bran, shorts and middlings; and 125,144 tons in stock and poultry feeds. The drop in production of stock and poultry feeds is not due to a drop in the output but to a transfer of the feed departments of a number of flour mills to the stock and poultry feeds industry. Whereas formerly such flour mills made one return covering all their operations, now they make two returns which are credited to the two respective industries.. For feed production see the report on the stock and poultry feeds industry. Due to these changes the physical volume of production for the industry as a whole declined by 2.6 per cent. The increase in the gross value of production amounting to \$14,662,991 or 7.3 per cent is therefore due to an increase in the selling value at the mill of the products made, as the following table shows:

Product	Unit	Selling Values	
		1943	1944
		\$	\$
Wheat flour, all grades	Barrel	4.68	5.42
Oatmeal and rolled oats	Ton	72.45	77.46
Bran, shorts and middlings	"	24.84	25.25
Feed, chopped	"	33.82	36.12
Stock and poultry feeds	"	46.23	50.08

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 224 flour mills, many of them of the most modern type and highest efficiency, have a capacity far in excess of

THE FLOUR AND FEED MILLING INDUSTRIES IN CANADA, 1944.

Canada's demands. During 1928 productive capacity reached about 121,000 barrels per day. Since then the industry has 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 3,911,836 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 present war. Exports of wheat flour to all countries jumped accordingly to 13,938,631 barrels in 1944. 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 1944 amounted to \$215,790,282 of which wheat flour was accountable for \$132,607,418. Next in order of importance was chopped grain feed with a total of \$44,607,961, followed by shorts and middlings to the extent of \$12,472,116. Bran takes fourth place with \$7,910,485 whilst Prepared Stock and Poultry feeds occupies fifth position with a valuation of \$6,198,685. The output of wheat flour of all grades in 1944 totalled to 24,470,610 barrels valued at \$5.42 per barrel. This represents an increase of 483,841 in the number of barrels produced and an increase of 74 cents in the selling price per barrel as compared with 1943.

Employees, Salaries and Wages. - The administrative and clerical work in connection with the two industries required the services of 1,653 male and 553 female employees whose total salaries amounted to \$3,341,467. The number of wage-earners employed was 4,768 male and 315 female which necessitated a payroll amounting to \$7,170,508.

Cost of Materials. - The total cost of all materials in both industries, including containers, amounted to \$187,116,957. Wheat of all types was by far the largest contributor to this sum with \$128,286,734. Mixed grain for chopping takes second place with \$22,808,366. The next largest item of expense was that of containers and container materials which accounted for \$12,949,886 whilst oats occupy fourth position with a total cost of \$11,781,503.

THE FLOUR AND FEED MILLING INDUSTRIES IN CANADA, 1944.

Table 1. - Principal Statistics for the Years 1932 to 1944.

Year	Estab- lish- ments No.	Capital Invested \$	Em- ployees No.	Salaries and Wages \$	Cost of Materials Used \$	Gross Value of Production \$
1932	1,290	58,283,212	5,586	5,576,395	63,177,656	84,748,800
1933	1,328	59,054,505	5,470	5,108,137	63,297,848	83,322,099
1934	1,510	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
<u>1943</u>						
CANADA	1,131	70,869,815	7,163	10,015,738	169,488,522	201,127,291
Prince Edward						
Island	9	47,430	11	4,711	58,106	67,376
Nova Scotia	7	183,255	22	23,044	208,063	248,150
New Brunswick ...	14	165,336	46	45,191	572,143	688,254
Quebec	185	8,852,665	951	1,471,968	18,718,317	21,928,036
Ontario	721	36,329,020	3,890	5,377,482	99,556,725	116,144,871
Manitoba	44	7,724,348	681	886,019	15,870,232	18,880,791
Saskatchewan	57	8,209,150	718	1,072,058	18,397,989	23,625,491
Alberta	88	9,209,366	824	1,116,532	15,974,085	19,359,879
British Columbia.	6	149,245	20	18,733	132,862	184,443
<u>1944</u>						
CANADA	1,087	-	7,289	10,511,975	187,116,957	215,790,282
Prince Edward						
Island	9	-	11	4,601	78,741	90,852
Nova Scotia	5	-	18	22,237	66,993	78,731
New Brunswick ...	12	-	19	12,682	169,880	201,376
Quebec	201	-	1,077	1,605,138	17,216,291	20,903,886
Ontario	690	-	3,800	5,339,217	109,254,523	124,506,511
Manitoba	38	-	720	1,059,699	19,063,646	22,020,225
Saskatchewan	45	-	697	1,104,015	22,157,588	24,831,897
Alberta	81	-	921	1,338,614	18,920,704	22,923,357
British Columbia.	6	-	26	25,772	188,591	233,447
<u>1944</u>						
Flour mills	224	-	5,461	8,925,161	153,579,588	176,705,776
Feed and chopping mills	863	-	1,828	1,586,814	33,537,369	39,084,506
TOTAL	1,087	-	7,289	10,511,975	187,116,957	215,790,282

THE FLOUR AND FEED MILLING INDUSTRIES IN CANADA, 1944.

Table 2. - Quantity and Value of Principal Mill Products in Canada, 1938 to 1944

Products	Unit of Measure	Quantity	Selling Value at Mill	Average Value
			\$	\$
<u>1938</u>				
Wheat flour, all grades	Barrel	13,353,520	75,419,727	5.65
Oatmeal and rolled oats	"	830,293	6,408,292	7.72
Bran, shorts and middlings	Ton	458,328	10,524,583	22.96
Feed, chopped	"	756,420	20,875,590	27.60
<u>1939</u>				
Wheat flour, all grades	Barrel	15,751,654	54,322,321	3.45
Oatmeal and rolled oats	Ton	86,648	6,528,761	75.35
Bran, shorts and middlings	"	580,563	10,210,914	17.59
Feed, chopped	"	845,696	22,177,846	26.22
<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

THE FLOUR AND FEED MILLING INDUSTRIES IN CANADA, 1944

Table 3. - Production in All Mills, by Classes, 1944

Products	Merchant Grinding		Custom or Exchange Grinding		Total Selling Value at Mill
	Quantity	Value	Quantity	Value	
		\$		\$	\$
<u>CANADA</u>					
Wheat flour -					
Spring No. 1 Patent ... Bbl	7,934,125	44,643,067	33,344	152,378	44,795,445
Spring No. 2 Patent ... "	6,898,806	37,340,605	2,457	13,542	37,354,147
Spring straight	7,752,180	41,661,644	12,692	63,380	41,725,024
Ontario Winter Straight "	564,818	2,915,955	517	2,647	2,918,602
Low grade flour	274,018	1,059,092	73	242	1,059,334
Feed flour	156,814	556,266	205	550	556,816
All other	839,296	4,191,790	1,265	6,260	4,198,050
Flour and meal, other -					
Whole wheat and Graham flour	Lb. 11,386,380	303,437	30,371	834	304,271
Prepared or self-raising flour	" 2,059,467	201,653	600	18	201,671
Barley, flour and meal. "	30,633,800	520,125	2,000	50	520,175
Rye, flour and meal ... "	8,897,982	240,900	1,650	34	240,934
Corn flour	" 3,436,060	128,459	-	-	128,459
Corn meal	" 13,092,270	481,365	-	-	481,365
Buckwheat flour	" 1,041,220	31,791	376,341	13,464	45,255
Pea meal	" 108,600	2,172	500	30	2,202
Breakfast foods -					
Prepared breakfast foods	" 1,224,497	126,327	-	-	126,327
Oatmeal	Ton 16,745	1,374,827	7	700	1,375,527
Rolled oats	" 62,207	4,740,323	-	-	4,740,323
Rolled or flaked wheat. Lb.	2,259,254	63,842	392	12	63,854
Unprepared breakfast food	" 17,523,352	778,250	7,628	201	778,451
Other products -					
Barley, pot and pearl Lb.	5,245,306	142,198	-	-	142,198
Corn, cracked	" 1,545,544	40,492	76,100	2,044	42,536
Peas, split	" 4,147,288	349,237	-	-	349,237
Stock and poultry foods Ton	122,009	6,116,409	1,765	82,276	6,198,685
Shorts and middlings .. "	475,137	12,444,725	1,142	27,391	12,472,116
Bran	" 330,066	7,886,468	1,030	24,017	7,910,485
Chopped grain feed "	407,817	14,556,835	827,137	30,051,126	44,607,961
Alfalfa meal	" 3,118	87,312	125	3,440	90,752
Offal, not otherwise specified	" 71,077	1,893,290	253	7,849	1,901,139
All other products -	-	458,931	-	10	458,941
TOTAL VALUE OF PRODUCTION IN ALL MILLS ---					
		185,337,787		30,452,495	215,790,282

THE FLOUR AND FEED MILLING INDUSTRIES IN CANADA, 1944

Table 4. - Materials Used in All Mills, 1943 and 1944

	Unit of Measure	C A N A D A	
		Quantity	Cost Value at Mill
		\$	
<u>1 9 4 3</u>			
Wheat	Bushel	112,539,106	106,116,003
Oats	"	19,151,164	10,003,080
Barley	"	10,689,290	7,188,559
Rye	"	517,218	384,194
Corn	"	1,972,171	2,367,637
Buckwheat	"	209,315	168,306
Peas	"	84,082	224,932
Mixed grains for chopping	"	43,103,657	25,704,793
Other grains	"	270,922	175,110
Alfalfa	Ton	6,196	72,907
Cost of containers purchased	-	-	13,102,794
Cost of materials used in making containers	-	-	130,254
All other materials	-	-	3,849,953
TOTAL COST OF MATERIALS USED		-	169,488,522
<u>1 9 4 4</u>			
Wheat	Bushel	112,774,337	128,286,734
Oats	"	21,332,158	11,781,503
Barley	"	9,852,591	6,663,165
Rye	"	418,531	471,396
Corn	"	1,009,487	1,233,744
Buckwheat	"	136,883	168,105
Peas	"	85,454	269,665
Mixed grains for chopping	"	35,854,542	22,808,366
Other grains	"	261,681	172,962
Alfalfa	Ton	3,425	70,355
Cost of containers purchased	-	-	12,949,764
Cost of materials used in making containers	-	-	122
All other materials	-	-	2,241,076
TOTAL COST OF MATERIALS USED		-	187,116,957

THE FLOUR AND FEED MILLING INDUSTRIES IN CANADA, 1944

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>1 9 4 2</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	18,730,658	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>1 9 4 3</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.

THE FLOUR AND FEED MILLING INDUSTRIES IN CANADA, 1944

Table 6. - Employees, Salaries and Wages in all Mills, by Provinces, 1943 and 1944

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>1943</u>									
CANADA	1,725	493	3,375,757	4,691	254	6,639,981	6,416	747	10,015,738
Prince Edward Island	7	-	2,376	4	-	2,335	11	-	4,711
Nova Scotia .	9	1	10,728	11	1	12,316	20	2	23,044
New Brunswick	19	5	20,028	22	-	25,163	41	5	45,191
Quebec	301	55	666,995	592	3	804,973	893	58	1,471,968
Ontario	857	209	1,540,496	2,706	118	3,836,986	3,563	327	5,377,482
Manitoba	146	38	268,008	448	49	618,011	594	87	886,019
Saskatchewan.	163	86	414,532	428	41	657,526	591	127	1,072,058
Alberta	219	98	448,462	465	42	668,070	684	140	1,116,532
British Columbia ...	4	1	4,132	15	-	14,601	19	1	18,733
<u>1944</u>									
CANADA	1,653	553	3,341,467	4,768	315	7,170,508	6,421	868	10,511,975
Prince Edward Island	9	-	3,376	2	-	1,225	11	-	4,601
Nova Scotia..	8	1	9,495	8	1	12,742	16	2	22,237
New Brunswick	11	-	5,190	8	-	7,492	19	-	12,682
Quebec	309	79	702,707	627	62	902,431	936	141	1,605,138
Ontario	815	228	1,447,942	2,657	100	3,891,275	3,472	328	5,339,217
Manitoba	138	45	305,414	469	68	754,285	607	113	1,059,699
Saskatchewan	144	80	367,422	442	31	736,593	586	111	1,104,015
Alberta	213	119	494,965	537	52	843,649	750	171	1,338,614
British Columbia ...	6	1	4,956	18	1	20,816	24	2	25,772

THE FLOUR AND FEED MILLING INDUSTRIES IN CANADA, 1944

Table 7. - Power Equipment in all Mills, 1943 and 1944

Classes of Power		1943		1944	
		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	40	6,172	37	5,847
	Idle	8	757	9	675
Diesel engines	In use	297	14,627	280	13,752
	Idle	18	833	14	629
Gasoline, gas and oil engines other than diesel	In use	295	10,250	278	10,137
	Idle	40	970	40	1,245
Hydraulic turbines or water wheels	In use	502	25,793	421	23,623
	Idle	16	611	21	722
Electric motors operated by purchased power	In use	2,803	67,456	2,996	68,283
	Idle	128	4,113	118	4,785
TOTAL POWER USED IN MANUFACTURING		4,147	131,582	4,214	129,746
Electric motors operated by power generated by the establishment	In use	100	2,229	69	1,496
	Idle	-	-	3	9
Boilers	In use	96	8,844	54	6,993
	Idle	8	1,135	10	840
Motor generator sets	In use	10	315	17	1,563
	Idle	-	-	-	-

Table 8. - Fuel and Electricity Used in all Mills, 1943 and 1944

Kinds of Fuel	Unit of Measure	1943		1944	
		Quantity	Total Cost at Mill	Quantity	Total Cost at Mill
Bituminous coal	Short ton	34,798	\$ 253,076	29,387	\$ 219,381
Anthracite coal	" "	735	9,442	527	6,360
Lignite coal	" "	14,634	58,153	15,358	60,284
Coke	" "	49	721	193	2,235
Gasoline	Imp. Gal.	547,244	163,517	555,832	170,619
Kerosene or coal oil ..	" "	12,111	1,870	23,874	4,915
Fuel and diesel oil ..	" "	969,878	120,707	919,850	120,581
Wood	Cord	5,372	28,118	4,074	22,576
Gas, manufactured and natural	M cu. ft.	587,464	42,868	1,045,248	44,207
Other fuel	-	-	10,930	-	11,152
Electricity purchased	K.W.H.	148,459,889	1,222,798	109,539,315	1,230,474
Electricity generated for sale	-	-	-	-	9,010
TOTAL COST OF FUEL AND ELECTRICITY		-	1,912,200	-	1,901,794

THE FLOUR MILLING INDUSTRY IN CANADA, 1944

SECTION 2. - THE FLOUR MILLING INDUSTRY, 1944

Table 1. - Principal Statistics of the Flour Mills in Canada for the Years, 1931 to 1944.

Year	Estab- lish- ments No.	Capital Invested \$	Em- ployees No.	Salaries and Wages \$	Cost of Materials Used \$	Gross Value of Production \$
1931	372	55,050,361	4,410	5,276,688	59,085,624	79,591,603
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	5,069,315	94,016,740	112,744,579
1938	328	43,395,733	4,454	5,334,366	84,067,240	105,886,310
1939	303	41,167,975	4,540	5,621,370	59,164,699	81,745,050
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
<u>1 9 4 3</u>						
CANADA	260	60,890,898	5,337	8,441,616	133,850,395	159,094,142
Prince Edward Island, Nova Scotia, New- Brunswick and British Columbia...	12	123,426	24	19,576	189,265	254,965
Quebec	52	7,561,345	721	1,283,762	15,723,448	18,290,464
Ontario	90	28,489,347	2,528	4,202,062	70,882,411	82,405,044
Manitoba	26	7,562,648	622	825,478	14,594,434	17,457,704
Saskatchewan	42	8,160,843	697	1,058,183	18,161,302	23,344,971
Alberta	38	8,993,289	745	1,052,555	14,299,535	17,340,994
<u>1 9 4 4</u>						
CANADA	224	-	5,461	8,925,161	153,579,588	176,705,776
Prince Edward Island, Nova Scotia, New- Brunswick and British Columbia ..	7	-	18	17,759	142,818	184,448
Quebec	44	-	779	1,333,965	13,637,473	16,562,657
Ontario	85	-	2,484	4,233,463	83,065,041	94,127,504
Manitoba	22	-	661	984,713	17,488,199	20,250,492
Saskatchewan	33	-	680	1,094,175	21,965,144	24,604,322
Alberta	33	-	839	1,261,086	17,280,913	20,976,353

THE FLOUR MILLING INDUSTRY IN CANADA, 1944

Table 2. - Production in Flour Mills by Classes and the Provinces, 1944

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 Patent ...	Barrel	7,934,125	44,643,067	33,344	152,378	44,795,445
Spring No. 2 Patent ...	"	6,898,806	37,340,605	2,457	13,542	37,354,147
Spring Straight	"	7,752,180	41,661,644	12,692	63,380	41,725,024
Ontario Winter Straight	"	564,818	2,915,955	517	2,647	2,918,602
Low grade flour	"	274,018	1,059,092	73	242	1,059,334
Feed flour	"	156,814	556,266	205	550	556,816
All other	"	839,296	4,191,790	1,265	6,260	4,198,050
Flour and meal, other -						
Whole wheat and graham flour	Lb.	11,177,373	296,142	9,431	206	296,348
Prepared or self-raising flour	"	2,053,467	201,173	600	18	201,191
Barley, flour and meal.	"	2,176,000	39,127	2,000	50	39,177
Rye, flour and meal ...	"	8,629,673	234,919	1,650	34	234,953
Corn flour	"	2,054,404	78,719	-	-	78,719
Corn meal	"	11,915,868	446,768	-	-	446,768
Buckwheat flour	"	613,960	17,198	198,106	7,684	24,882
Pea meal	"	-	-	500	30	30
Breakfast foods -						
Prepared breakfast foods	Lb.	1,131,983	117,616	-	-	117,616
Oatmeal	Ton	16,731	1,373,903	-	-	1,373,903
Rolled oats	"	59,865	4,561,556	-	-	4,561,556
Rolled or flaked wheat.	Lb.	1,499,071	42,430	392	12	42,442
Unprepared breakfast foods	"	15,971,604	704,363	6,863	163	704,526
Other products -						
Barley, pot and pearl .	Lb.	4,652,025	124,708	-	-	124,708
Corn, cracked	"	728,600	17,858	-	-	17,858
Stock and poultry feeds	Ton	81,637	4,162,746	327	14,628	4,177,374
Shorts and middlings ..	"	475,137	12,444,725	1,142	27,391	12,472,116
Bran	"	330,066	7,886,468	1,030	24,017	7,910,485
Chopped grain feed	"	153,179	5,384,478	98,793	3,632,704	9,017,182
Alfalfa meal	"	2,183	63,573	71	2,075	65,648
Offal, not otherwise specified	"	67,961	1,793,469	127	3,805	1,797,274
All other products	-	-	393,592	-	10	393,602
TOTAL	-	-	172,753,950	-	3,951,826	176,705,776

THE FLOUR MILLING INDUSTRY IN CANADA, 1944

Table 2. - Production in Flour Mills by Classes and the Provinces, 1944 - Continued.

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 Patent	Barrel	1,080,506	5,555,047	17,565	88,704	5,643,751
Spring No. 2 Patent	"	375,419	1,582,844	405	1,956	1,584,800
Spring Straight	"	623,195	4,280,597	-	-	4,280,597
Ontario Winter Straight.	"	400	2,320	-	-	2,320
Low grade	"	40,916	147,409	-	-	147,409
Feed flour	"	96,961	339,263	-	-	339,263
All other	"	208,469	1,232,251	-	-	1,232,251
Flour and meal, other -						
Barley, flour and meal .	Lb.	-	-	2,000	50	50
Corn flour	"	-	-	-	-	-
Corn meal	"	2,000	58	-	-	58
Buckwheat flour	"	-	-	15,000	360	360
Pee meal	"	-	-	500	30	30
Breakfast foods -						
Prepared breakfast foods	Lb.	878,113	94,457	-	-	94,457
Oatmeal	Ton	-	-	-	-	-
Other products -						
Barley, pot and pearl ..	Lb.	-	-	-	-	-
Corn cracked	"	30,600	581	-	-	581
Stock and poultry feeds.	Ton	322	12,880	-	-	12,880
Shorts and middlings ...	"	44,985	1,373,279	321	9,608	1,382,887
Bran	"	29,817	828,526	309	8,635	837,161
Chopped grain feed	"	11,035	427,557	15,040	575,165	1,002,722
Alfalfa meal	"	-	-	21	425	425
Offal, not otherwise specified	"	-	-	19	555	555
All other products	-	-	-	-	-	-
TOTAL	-	-	15,877,169	-	685,488	16,562,657
<u>ONTARIO</u>						
Wheat flour -						
Spring No. 1 Patent	Barrel	4,650,139	27,124,030	-	-	27,124,030
Spring No. 2 Patent	"	4,192,215	23,501,787	-	-	23,501,787
Spring Straight	"	2,513,010	14,401,691	-	-	14,401,691
Ontario Winter Straight.	"	564,418	2,915,635	517	2,647	2,916,282
Low grade	"	97,249	402,412	-	-	402,412
Feed flour	"	19,413	59,376	-	-	59,376
All other	"	351,252	1,686,890	-	-	1,686,890
Flour and meal, other -						
Whole wheat and Graham flour	Lb.	6,211,149	172,906	-	-	172,906
Prepared or self-raising flour	"	2,028,572	199,987	-	-	199,987
Barley, flour and meal .	"	2,176,000	39,127	-	-	39,127
Rye, flour and meal	"	7,961,631	223,448	-	-	223,448

THE FLOUR MILLING INDUSTRY IN CANADA, 1944

Table 2. - Production in Flour Mills by Classes and Provinces, 1944 - Continued.

Products	Unit of Measure	Merchant Grinding		Custom or Exchange Grinding		Total Selling Value at Mill
		Quantity	Value	Quantity	Value	
			\$		\$	\$
ONTARIO - Con.						
Flour and meal, other-con.						
Corn flour	Lb.	2,054,404	78,719	-	-	78,719
Corn meal	"	11,913,868	446,710	-	-	446,710
Buckwheat flour	"	613,960	17,198	-	-	17,198
Breakfast foods -						
Prepared breakfast foods.	"	-	-	-	-	-
Oatmeal	Ton	11,832	1,012,424	-	-	1,012,424
Rolled oats	"	23,116	1,971,767	-	-	1,971,767
Rolled or flaked wheat ..	Lb.	792,519	21,307	-	-	21,307
Unprepared breakfast foods	"	9,767,121	388,720	-	-	388,720
Other products -						
Barley, pot and pearl ...	Lb.	1,268,708	37,591	-	-	37,591
Corn, cracked	"	698,000	17,277	-	-	17,277
Stock and poultry feeds .	Ton	63,030	3,244,931	40	2,000	3,246,931
Shorts and middlings	"	234,028	6,424,369	14	466	6,424,835
Bran	"	170,885	4,291,845	13	432	4,292,277
Chopped grain feed	"	59,880	2,163,128	64,549	2,458,182	4,601,310
Alfalfa meal	"	2,033	58,623	-	-	58,623
Offal, not otherwise specified	"	28,924	756,598	-	-	756,598
All other products	-	-	27,281	-	-	27,281
TOTAL	-	-	91,683,777	-	2,443,727	94,127,504
MANITOBA						
Wheat flour -						
Spring No. 1 Patent	Barrel	498,758	2,766,741	683	3,766	2,770,507
Spring No. 2 Patent	"	1,229,854	6,574,442	-	-	6,574,442
Spring Straight	"	926,757	4,644,292	1,388	7,589	4,651,881
Low grade	"	32,795	112,006	-	-	112,006
Feed flour	"	19,467	66,718	-	-	66,718
All other	"	54,414	231,062	941	4,705	235,767
Flour and meal, other -						
Whole wheat and Graham flour	Lb.	1,883,784	53,275	-	-	53,275
Prepared or self-raising flour	"	-	-	-	-	-
Barley, flour and meal .	"	-	-	-	-	-
Rye flour and meal	"	589,540	9,900	-	-	9,900
Breakfast foods -						
Prepared breakfast foods	"	-	-	-	-	-
Oatmeal	Ton	695	47,408	-	-	47,408
Rolled oats	"	10,356	627,497	-	-	627,497
Rolled or flaked wheat .	Lb.	407,840	11,023	-	-	11,023
Unprepared breakfast foods	"	243,675	19,064	1,937	38	19,102

THE FLOUR MILLING INDUSTRY IN CANADA, 1944

Table 2. - Production in Flour Mills by Classes and Provinces, 1944 - Continued.

Products	Unit of Measure	Merchant Grinding		Custom or Exchange Grinding		Total Selling Value at Mill
		Quantity	Value	Quantity	Value	
			\$		\$	\$
MANITOBA - Con.						
Other products -						
Barley, pot and pearl ...	Lb.	1,950,396	47,994	-	-	47,994
Stock and poultry feeds .	Ton	11,835	559,431	-	-	559,431
Shorts and middlings	"	55,365	1,381,173	57	1,452	1,382,625
Bran	"	37,364	908,505	102	2,458	910,963
Chopped grain feed	"	42,916	1,494,488	2,425	74,269	1,568,757
Offal, not otherwise specified	"	9,603	240,206	-	-	240,206
All other products	-	-	360,990	-	-	360,990
TOTAL	-	-	20,156,215	-	94,277	20,250,492
SASKATCHEWAN						
Wheat flour -						
Spring No. 1 Patent	Barrel	1,125,203	5,964,781	13,249	51,384	6,016,165
Spring No. 2 Patent	"	204,560	1,154,090	1,632	9,481	1,163,571
Spring Straight	"	2,101,575	10,577,487	3,921	17,895	10,595,382
Low grade	"	8,394	30,569	19	70	30,639
Feed flour	"	146	321	-	-	321
All other	"	169,712	779,907	324	1,555	781,462
Flour and meal, other -						
Whole wheat and Graham flour	Lb.	78,336	1,619	2,934	69	1,688
Prepared or self-raising flour	"	4,027	243	-	-	243
Rye flour	"	24,110	430	1,650	34	464
Breakfast foods -						
Prepared breakfast foods.	"	210,800	16,552	-	-	16,552
Oatmeal	Ton	3,808	286,429	-	-	286,429
Rolled oats	"	20,312	1,538,331	-	-	1,538,331
Rolled or flaked wheat ..	Lb.	297,340	10,058	-	-	10,058
Unprepared breakfast foods	"	927,003	27,423	4,799	120	27,543
Other products -						
Barley, pot and pearl ...	Lb.	1,375,724	37,056	-	-	37,056
Stock and poultry feeds .	Ton	29	1,102	-	-	1,102
Shorts and middlings	"	79,469	1,937,256	556	11,739	1,948,995
Bran	"	49,918	1,025,186	401	8,362	1,033,548
Chopped grain feed	"	9,010	314,031	5,281	186,284	500,315
Offal, not otherwise specified	"	21,331	613,288	-	-	613,288
All other products	-	-	1,160	-	10	1,170
TOTAL	-	-	24,317,319	-	287,003	24,604,322

THE FLOUR MILLING INDUSTRY IN CANADA, 1944

Table 2. - Production of Flour Mills by Classes and the Provinces, 1944 - Continued

Products	Unit of Measure	Merchant Grinding		Custom or Exchange Grinding		Total Selling Value at Mill
		Quantity	Value	Quantity	Value	
			\$		\$	\$
<u>ALBERTA</u>						
Wheat flour -						
Spring No. 1 Patent	Barrel	579,419	3,231,968	1,847	8,524	3,240,492
Spring No. 2 Patent	"	896,713	4,525,972	326	1,447	4,527,419
Spring Straight	"	1,587,153	7,755,127	7,045	36,271	7,791,398
Low grade	"	94,649	366,636	-	-	366,636
Feed flour	"	20,827	90,488	180	475	90,963
All other	"	55,449	261,680	-	-	261,680
Flour and meal, other -						
Whole wheat and Graham flour	Lb.	2,970,212	67,273	6,497	137	67,410
Prepared or self-raising flour	"	20,868	943	600	18	961
Rye, flour and meal	"	54,392	1,141	-	-	1,141
Barley, flour and meal .	"	-	-	-	-	-
Corn meal	"	-	-	-	-	-
Buckwheat flour	"	-	-	-	-	-
Breakfast foods -						
Prepared breakfast foods	Lb.	41,070	6,327	-	-	6,327
Oatmeal	Ton	396	27,642	-	-	27,642
Rolled oats	"	6,081	423,961	-	-	423,961
Rolled or flaked wheat	Lb.	1,372	42	392	12	54
Unprepared breakfast foods	"	4,963,472	267,277	127	5	267,282
Other products -						
Barley, pot and pearl .	Lb.	57,197	2,067	-	-	2,067
Corn, cracked	"	-	-	-	-	-
Stock and poultry feeds	Ton	6,028	326,823	-	-	326,823
Shorts and middlings ..	"	61,274	1,328,200	184	3,842	1,332,042
Bran	"	42,051	831,588	190	3,714	835,302
Chopped grain feed	"	28,444	921,648	9,687	297,784	1,219,432
Alfalfa meal	"	-	-	-	-	-
Offal, not otherwise specified	"	8,103	183,377	-	-	183,377
All other products	-	-	3,944	-	-	3,944
TOTAL	-	-	20,624,124	-	352,229	20,976,353

THE FLOUR MILLING INDUSTRY IN CANADA

Table 2. - Production in Flour Mills by Classes and Provinces - Continued.

Products	Unit of Measure	Merchant Grinding		Custom or Exchange Grinding		Total Selling Value at Mill
		Quantity	Value	Quantity	Value	
			\$		\$	\$
<u>All other Provinces</u>						
Wheat flour -						
Spring No. 1 Patent ...	Barrel	100	500	-	-	500
Spring No. 2 Patent ...	"	246	1,470	94	658	2,128
Spring Straight	"	490	2,450	338	1,625	4,075
Low grade	"	15	60	54	172	232
Feed flour	"	-	-	25	75	75
All other	"					
Flour and meal, other -						
Whole wheat and Graham flour	Lb.	33,892	1,069	-	-	1,069
Buckwheat flour	"	-	-	183,106	7,324	7,324
Breakfast foods -						
Prepared breakfast foods	"	2,000	280	-	-	280
Unprepared breakfast foods	"	70,333	1,879	-	-	1,879
Other products -						
Prepared Stock and poultry feeds	Ton	393	17,579	287	12,628	30,207
Shorts and middlings ..	"	16	448	10	284	732
Bran	"	31	818	15	416	1,234
Chopped grain feed	"	1,894	63,626	1,811	61,020	124,646
Offal, not otherwise specified	"	-	-	108	3,250	3,250
Alfalfa meal	"	150	4,950	50	1,650	6,600
All other products	-	-	217	-	-	217
TOTAL	-	-	95,346	-	89,102	184,448

THE FLOUR MILLING INDUSTRY IN CANADA, 1944

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

Materials	Unit of Measure	Canada	
		Quantity	Value
			\$
Wheat	Bushel	110,214,919	125,887,659
Oats	"	12,881,899	7,180,346
Barley	"	3,882,740	2,600,669
Rye	"	345,207	402,590
Corn	"	653,727	828,062
Buckwheat	"	59,187	47,480
Peas	"	5,180	14,460
Mixed grain for chopping	"	3,849,412	2,530,394
Other grains	"	29,706	11,572
Alfalfa	Ton	2,303	49,784
All other materials	-	-	1,558,259
Cost of containers purchased ...	-	-	12,468,151
Cost of materials used in making containers	-	-	62
TOTAL	-	-	153,579,588

Materials	Unit of Measure	QUEBEC		ONTARIO	
		Quantity	Value	Quantity	Value
			\$		\$
Wheat	Bushel	10,691,048	11,595,934	55,550,960	67,992,959
Oats	"	483,930	280,815	5,274,234	3,241,680
Barley	"	633,589	472,671	1,504,506	1,097,105
Rye	"	685	656	311,360	369,228
Corn	"	7,971	9,966	630,983	798,505
Buckwheat	"	5,584	4,789	43,821	34,534
Peas	"	60	100	5,120	14,360
Mixed grain for chopping	"	129,147	81,282	3,143,839	2,121,164
Other grains	"	-	-	-	-
Alfalfa	Ton	21	320	2,082	46,064
All other materials	-	-	63,820	-	1,074,208
Cost of containers purchased ...	-	-	1,127,120	-	6,275,234
Cost of materials used in making containers	-	-	-	-	-
TOTAL	-	-	13,637,473	-	83,065,041

THE FLOUR MILLING INDUSTRY IN CANADA, 1944

Table 3. - Materials Used in Flour Mills, by Provinces, 1944 Concluded

Kind	Unit of Measure	Manitoba		Saskatchewan	
		Quantity	Value	Quantity	Value
Wheat	Bushel	12,759,065	13,798,222	16,530,110	18,424,473
Oats	"	2,326,676	1,195,486	3,023,672	1,608,970
Barley	"	1,077,588	673,745	200,484	103,738
Rye	"	20,843	21,794	2,987	2,491
Corn	"	6,568	7,866	-	-
Buckwheat	"	1,459	1,499	-	-
Peas	"	-	-	-	-
Mixed grain for chopping	"	97,975	59,913	219,225	145,273
Other grains	"	24,556	8,349	4,000	1,800
Alfalfa	Ton	-	-	-	-
All other materials ..	-	-	124,018	-	15,700
Cost of containers purchased	-	-	1,597,307	-	1,662,637
Cost of materials used in making containers.	-	-	-	-	62
TOTAL	-	-	17,488,199	-	21,965,144

Kind		Alberta		All other Provinces	
		Quantity	Value	Quantity	Value
Wheat	Bushel	14,654,712	14,051,382	29,024	24,689
Oats	"	1,674,130	804,058	99,257	49,337
Barley	"	421,839	228,449	44,734	24,961
Rye	"	9,332	8,421	-	-
Corn	"	8,205	11,725	-	-
Buckwheat	"	-	-	8,323	6,658
Peas ..	"	-	-	-	-
Mixed grain for chopping	"	226,689	105,108	32,537	17,654
Other grains	"	640	1,296	510	127
Alfalfa	Ton	-	-	200	3,400
All other materials ..	-	-	270,621	-	9,992
Cost of containers purchased	-	-	1,799,853	-	6,000
Cost of materials used in making containers.	-	-	-	-	-
TOTAL	-	-	17,280,913	-	142,818

THE FLOUR MILLING INDUSTRY IN CANADA, 1944

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	1,235,568	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.

THE FLOUR MILLING INDUSTRY IN CANADA, 1944

Table 5. - Size of Establishments, 1943 and 1944

Establishments having a production of -	Estab- lish- ments	Capital Invested	Em- ployees	Salaries and Wages	Cost of Materials Used	Total Production
	No.	\$	No.	\$	\$	\$
<u>1943</u>						
Under \$50,000	135	2,769,914	331	329,177	1,188,796	1,527,161
\$50,000 to \$99,999	44	985,235	165	181,208	2,588,179	3,107,053
\$100,000 to \$199,999	26	1,009,530	163	203,312	2,877,655	3,323,529
\$200,000 to \$499,999	20	1,926,964	289	375,953	5,637,339	6,707,762
\$500,000 to \$999,999	10	1,795,025	215	346,200	6,534,006	7,250,092
\$1,000,000 to \$4,999,999	14	14,385,212	1,237	1,832,003	28,517,843	34,013,569
\$5,000,000 and over	11	38,019,018	2,937	5,173,763	86,506,577	103,164,976
TOTAL	260	60,890,898	5,337	8,441,616	133,850,395	159,094,142
<u>1944</u>						
Under \$50,000	95	-	255	319,320	1,616,673	1,935,094
\$50,000 to \$99,999	32	-	111	124,281	1,998,753	2,366,325
\$100,000 to \$199,999	34	-	242	307,436	4,061,766	4,792,139
\$200,000 to \$499,999	24	-	335	496,366	7,473,142	8,510,498
\$500,000 to \$999,999	11	-	273	406,303	6,273,310	7,378,559
\$1,000,000 to \$4,999,999	17	-	1,339	2,143,332	33,321,196	38,854,676
\$5,000,000 and over	11	-	2,906	5,128,123	98,834,748	112,868,485
TOTAL	224	-	5,461	8,925,161	155,579,588	176,705,776

THE FLOUR MILLING INDUSTRY IN CANADA, 1944

Table 6a. - Daily Capacity of Flour Mills, 1943 and 1944

Capacity of Mills per day of 24 hours -	Number of Mills	Total Capacity of the Mills in each group	Average per estab- lishment	Per cent of Total	Number of barrels produced during the year	Average per estab- lishment	Per cent of Total
		Barrels	Barrels		Barrels	Barrels	
<u>1943</u>							
Under 100 barrels	150	6,595	44	6.6	233,319	1,555	1.0
100 to 199 barrels	57	6,763	119	6.8	461,348	8,094	1.9
200 to 299 barrels	18	4,248	236	4.3	882,999	49,056	3.7
300 to 499 barrels	10	3,685	368	3.7	765,842	76,534	3.2
500 to 999 barrels	6	4,745	791	4.8	1,299,008	216,501	5.4
1,000 to 2,999 barrels ..	11	22,150	2,014	22.2	7,075,989	643,272	29.5
3,000 to 4,999 barrels ..	3	10,250	3,417	10.3	3,242,910	1,080,970	13.5
5,000 barrels and over ..	5	41,200	8,240	41.3	10,025,854	2,005,171	41.8
TOTAL AND AVERAGE	260	99,636	383	100.0	23,986,769	92,257	100.0
<u>1944</u>							
Under 100 barrels	111	5,073	46	5.1	305,877	2,756	1.3
100 to 199 barrels	56	6,721	120	6.7	790,825	14,122	3.2
200 to 299 barrels	19	4,438	234	4.4	1,007,017	53,001	4.1
300 to 499 barrels	9	3,510	390	3.5	633,150	70,350	2.6
500 to 999 barrels	9	6,145	683	6.2	1,342,756	149,195	5.5
1,000 to 2,999 barrels ..	11	20,550	1,868	20.5	6,153,829	559,439	25.2
3,000 to 4,999 barrels ..	4	13,250	3,312	13.2	4,124,766	1,031,191	17.0
5,000 barrels and over ..	5	40,500	8,100	40.4	10,112,390	2,022,478	41.1
TOTAL AND AVERAGE .	224	100,187	447	100.0	24,470,610	109,244	100.0

THE FLOUR MILLING INDUSTRY IN CANADA, 1944

Table 6b. - Equipment and Capacity of Flour Mills, 1944

Province	Estab-	Pairs	Pairs	Estimated
	lish- ments	of Rolls	of Stones	Maximum Capacity per day
	No.	No.	No.	Bbl.
Prince Edward Island, Nova Scotia and New Brunswick	5	25	-	239
Quebec	44	389	51	11,829
Ontario	85	1,752	28	52,309
Manitoba	22	460	1	10,715
Saskatchewan	33	510	4	13,093
Alberta and British Columbia	35	547	2	12,002
CANADA	224	3,683	86	100,187

THE FLOUR MILLING INDUSTRY IN CANADA, 1944

Table 7. - Employees, Salaries and Wages in Flour Mills, 1943 and 1944

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>1943</u>									
CANADA	990	440	273,691	3,682	235	5,711,329	4,672	675	8,450,020
Prince Edward Island	4	-	1,940	4	-	2,335	8	-	4,275
Nova Scotia and New Brunswick	3	-	1,332	3	-	3,640	6	-	4,972
Quebec	188	50	574,420	481	2	709,342	669	52	1,283,762
Ontario	349	171	1,089,973	1,906	102	3,112,089	2,255	273	4,202,062
Manitoba	121	38	247,150	414	49	578,328	535	87	825,478
Saskatchewan ..	151	85	407,757	421	40	650,426	572	125	1,058,183
Alberta	170	95	411,987	438	42	640,568	608	137	1,052,555
British Columbia /1 ..	4	1	4,132	15	-	14,601	19	1	18,733
<u>1944</u>									
CANADA	923	471	2,705,060	3,780	303	6,234,319	4,703	774	8,939,379
Prince Edward Island, Nova Scotia and New Brunswick.	4	-	1,795	4	-	4,410	8	-	6,205
Quebec	170	63	572,496	485	61	761,469	655	124	1,333,965
Ontario	322	170	1,022,022	1,902	90	3,211,441	2,224	260	4,233,463
Manitoba	118	44	284,068	431	68	700,645	549	112	984,713
Saskatchewan ..	135	79	363,927	435	31	730,248	570	110	1,094,175
Alberta	168	114	455,796	505	52	805,290	673	166	1,261,086
British Columbia /1 ..	6	1	4,956	18	1	20,216	24	2	25,772

1. Includes feed mills.

THE FLOUR MILLING INDUSTRY IN CANADA, 1944

Table 8. - Monthly Employment of Wage-earners, 1943 and 1944

Months	In Flour Mills			
	1943		1944	
	Male	Female	Male	Female
	No.	No.	No.	No.
January	3,620	215	3,737	316
February	3,673	225	3,758	304
March	3,740	217	3,716	283
April	3,652	218	3,722	281
May	3,549	204	3,709	266
June	3,603	208	3,711	261
July	3,643	223	3,731	256
August	3,589	224	3,744	277
September	3,539	224	3,663	368
October	3,665	257	3,806	360
November	3,782	290	3,941	368
December	3,809	258	3,921	370
Average monthly employment	3,676	235	3,769	303

Table 9. - Number of Wage-earners in Month of Highest Employment with their Regular Hours of Work and Average Weekly earnings, 1943 and 1944

Number of Hours Worked per week	Number of Employees				Number of Hours Worked per week	Number of Employees			
	1943		1944			1943		1944	
	Male	Female	Male	Female		Male	Female	Male	Female
30 hours or less	233	18	210	28	51 - 54 hours.	489	6	504	13
31 - 43 hours .	221	36	251	121	55 hours	67	1	64	10
44 hours	70	47	172	44	56 - 64 hours.	1,057	9	807	12
45 - 47 hours .	103	16	112	15	65 hours and over	429	-	391	-
48 hours	1,228	137	1,415	154	Average hours per week	52.12	44.9	51.1	43.4
49 - 50 hours .	172	13	232	13	Average weekly earnings	\$28.93	\$16.71	\$30.77	\$15.07

The above table does not include overtime.

THE FLOUR MILLING INDUSTRY IN CANADA, 1944

Table 10. - Power Equipment in Flour Mills, 1943 and 1944

Classes of Power		1 9 4 3		1 9 4 4	
		Number of Units	Manufacturer's Rating of Horse-power capacity	Number of Units	Manufacturers' Rating of Horse-power Capacity
Steam engines and steam turbines	In use	30	5,695	27	5,450
	Idle	4	535	4	355
Diesel engines	In use	56	2,887	44	2,398
	Idle	4	174	1	85
Gasoline, gas and oil engines other than diesel	In use	49	1,244	36	1,045
	Idle	14	235	14	330
Hydraulic turbines or water wheels	In use	152	12,633	122	11,658
	Idle	4	133	7	208
Electric motors operated by purchased power ...	In use	2,137	55,276	2,192	54,506
	Idle	106	3,724	92	4,266
TOTAL POWER USED IN MANUFACTURING		2,556	82,536	2,539	80,301
Electric motors operated by power generated by the establishment	In use	92	2,106	61	1,373
	Idle	-	-	3	9
Boilers	In use	87	8,339	46	6,476
	Idle	7	1,085	7	670
Motor generator sets ..	In use	3	63	8	1,310
	Idle	-	-	-	-

Table 11. - Consumption of Fuel and Electricity, 1943 and 1944

Kinds of Fuel	Unit of Measure	1 9 4 3		1 9 4 4	
		Quantity	Cost Value	Quantity	Cost Value
Bituminous coal	Short ton	32,485	\$ 229,286	28,203	\$ 208,625
Anthracite coal	" "	378	4,751	226	2,506
Lignite coal	" "	14,453	57,060	15,229	59,508
Coke	" "	8	117	150	1,695
Gasoline	Imp. Gal.	177,372	56,271	182,885	58,494
Kerosene or coal oil.	" "	1,179	240	9,381	1,863
Fuel and diesel oil .	" "	191,081	28,997	266,567	41,753
Wood	Cord	4,464	22,669	3,150	16,588
Gas, manufactured and natural	M cu. ft.	560,133	26,994	1,021,971	31,220
Other fuel	-	-	9,268	-	9,215
Electricity purchased	K.W.H.	136,460,820	1,000,923	99,470,276	1,009,430
Electricity generated for sale	-	-	-	-	9,010
TOTAL COST OF FUEL AND ELECTRICITY		-	1,436,576	-	1,449,907

THE FEED AND CHOPPING MILL INDUSTRY IN CANADA, 1944

SECTION 3. - FEED AND CHOPPING MILLS IN CANADA, 1944

Table 1. - Principal Statistics of the Feed and Chopping Mill Industries in Canada, for the Years, 1931 - 1944

Year	Estab-lish-ments No.	Capital Invested \$	Em- ployees No.	Salaries and Wages \$	Cost of Materials Used \$	Gross Value of Production \$
1931	893	6,018,831	1,261	755,501	12,686,173	16,136,937
1932	896	5,865,873	1,261	664,024	10,763,345	13,713,517
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
<u>1943</u>						
CANADA	871	9,978,917	1,826	1,574,122	35,638,127	42,033,149
Prince Edward Island.	3	7,730	3	436	5,172	6,180
Nova Scotia	5	181,255	20	22,912	206,846	246,528
New Brunswick	12	147,324	42	40,351	532,005	626,464
Quebec	133	1,291,320	230	188,206	2,994,869	3,637,572
Ontario	631	7,839,673	1,362	1,175,420	28,674,314	33,739,827
Manitoba	18	161,700	59	60,541	1,275,798	1,423,087
Saskatchewan	15	48,307	21	13,875	236,687	280,520
Alberta	50	216,077	79	63,977	1,674,550	2,018,885
British Columbia	4	85,531	10	8,404	37,886	54,086
<u>1944</u>						
CANADA	863	-	1,828	1,586,814	33,537,369	39,084,506
Prince Edward Island.	6	-	6	1,058	45,613	52,983
Nova Scotia	4	-	17	22,162	66,429	77,919
New Brunswick	11	-	17	9,497	152,050	177,704
Quebec	157	-	298	271,173	3,578,818	4,341,229
Ontario	605	-	1,316	1,105,754	26,189,482	30,379,007
Manitoba	16	-	59	74,986	1,575,447	1,769,733
Saskatchewan	12	-	17	9,840	192,444	227,575
Alberta	48	-	82	77,528	1,639,791	1,947,004
British Columbia	4	-	16	14,218	97,295	111,352

THE FEED AND CHOPPING MILL INDUSTRY IN CANADA, 1944

Table 2. - Production in Feed and Chopping Mills by Classes, Quantity and Value for Canada and the Provinces, 1943 and 1944

Provinces	Chopped Grain Feed		Other Products	Total
	Quantity	Value	Value	Value
	Tons	\$	\$	\$
<u>1943</u>				
CANADA	1,083,289	36,684,157	5,148,992	42,033,149
Prince Edward Island	198	6,180	-	6,180
Nova Scotia	2,129	78,200	168,328	246,528
New Brunswick	7,900	282,231	344,233	626,464
Quebec	87,824	3,117,068	520,504	3,637,572
Ontario	873,212	29,979,317	3,760,510	33,739,827
Manitoba	34,877	1,161,472	261,615	1,423,087
Saskatchewan	7,503	219,235	61,285	280,520
Alberta	68,837	2,006,998	11,887	2,018,885
British Columbia	809	33,456	20,630	54,086
<u>1944</u>				
CANADA	982,982	35,590,779	3,493,727	39,084,506
Prince Edward Island	1,414	52,355	628	52,983
Nova Scotia	1,150	42,050	35,869	77,919
New Brunswick	4,185	153,531	24,173	177,704
Quebec	101,914	3,730,153	611,076	4,341,229
Ontario	768,411	28,206,515	2,172,492	30,379,007
Manitoba	35,731	1,246,056	523,677	1,769,733
Saskatchewan	5,297	171,037	56,538	227,575
Alberta	62,681	1,905,229	41,775	1,947,004
British Columbia	2,199	83,853	27,499	111,352

Table 3. - Materials Used in Feed and Chopping Mills, 1943 and 1944

Materials	Unit of Measure	1943		1944	
		Quantity	Value	Quantity	Value
			\$		\$
Wheat	Bushel	2,429,555	2,228,535	2,559,418	2,399,075
Oats	"	8,258,141	4,350,571	8,450,259	4,601,157
Barley	"	5,559,785	3,755,042	5,969,851	4,062,496
Rye	"	145,159	99,107	73,324	68,806
Corn	"	569,739	640,515	355,760	405,682
Buckwheat	"	140,223	110,650	137,690	120,625
Peas	"	82,261	220,112	80,274	255,205
Mixed grain	"	37,329,018	22,385,437	32,005,130	20,277,972
Other grains	"	52,463	54,340	231,975	161,390
Cost of containers	-	-	524,891	-	481,613
Materials used for making containers	-	-	1,220	-	60
All other materials	-	-	1,267,407	-	703,288
TOTAL	-	-	35,638,127	-	33,537,369

THE FEED AND CHOPPING MILL INDUSTRY IN CANADA, 1944

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	1,423,803	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

1944 not collected.

THE FEED AND CHOPPING MILL INDUSTRY IN CANADA, 1944

Table 5. - Size of Establishments, 1943 and 1944

Establishments having a production of -	Estab- lish- ments	Capital Invested	Em- ployees	Salaries and Wages	Cost of Materials Used	Total Production
	No.	\$	No.	\$	\$	\$
<u>1943</u>						
Under \$50,000	597	3,986,888	822	527,343	11,770,576	13,831,567
\$50,000 to \$99,999	197	2,244,467	497	403,248	11,549,356	13,515,261
\$100,000 to \$199,999	57	1,351,509	223	255,331	6,071,286	7,188,402
\$200,000 to over \$1,000,000	20	2,396,053	284	388,200	6,246,909	7,497,919
TOTAL	871	9,978,917	1,826	1,574,122	35,638,127	42,033,149
<u>1944</u>						
Under \$50,000	595	-	896	567,172	11,528,050	13,572,650
\$50,000 to \$99,999	189	-	485	454,475	11,149,395	13,007,881
\$100,000 to \$199,999	67	-	315	384,860	7,577,946	8,760,794
\$200,000 to over \$500,000	12	-	132	180,307	3,281,978	3,743,181
TOTAL	863		1,828	1,586,814	33,537,369	39,084,506

THE FEED AND CHOPPING MILL INDUSTRY IN CANADA, 1944

Table 6. - Employees, Salaries and Wages in Feed and Chopping Mills, 1943 and 1944

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>1943</u>									
CANADA	738	54	639,606	1,015	19	934,516	1,753	73	1,574,122
Prince Edward Island	3	-	436	-	-	-	3	-	436
Nova Scotia ...	7	1	10,596	11	1	12,316	18	2	22,912
New Brunswick..	18	5	18,828	19	-	21,523	37	5	40,351
Quebec	113	5	92,575	111	1	95,651	224	6	188,206
Ontario	508	38	450,523	800	16	724,897	1,308	54	1,175,420
Manitoba	25	-	20,858	34	-	39,683	59	-	60,541
Saskatchewan ..	12	1	6,775	7	1	7,100	19	2	13,875
Alberta	49	3	36,475	27	-	27,502	76	3	63,977
British Columbia	3	1	2,540	6	-	5,864	9	1	8,404
<u>1944</u>									
CANADA	734	83	639,527	999	12	947,287	1,733	95	1,586,814
Prince Edward Island	6	-	1,656	-	-	-	6	-	1,656
Nova Scotia ...	7	1	9,420	8	1	12,742	15	2	22,162
New Brunswick .	11	-	5,190	6	-	4,307	17	-	9,497
Quebec	139	16	130,211	142	1	140,962	281	17	271,173
Ontario	493	58	425,920	755	10	679,834	1,248	68	1,105,754
Manitoba	20	1	21,346	38	-	53,640	58	1	74,986
Saskatchewan ..	9	1	3,495	7	-	6,345	16	1	9,840
Alberta	45	5	39,169	32	-	38,359	77	5	77,528
British Columbia	4	1	3,120	11	-	11,098	15	1	14,218

THE FEED AND CHOPPING MILL INDUSTRY IN CANADA, 1944

Table 7. - Monthly Employment of Wage-earners, 1943 and 1944

	In Feed and Chopping Mills			
	1943		1944	
	Male No.	Female No.	Male No.	Female No.
January	985	18	1,008	9
February	989	16	999	9
March	982	17	1,005	9
April	980	17	963	9
May	945	16	941	11
June ,	917	18	915	11
July	919	18	906	11
August	934	17	911	11
September	951	18	935	12
October	1,005	17	945	12
November	1,056	17	983	12
December	1,088	20	1,006	12
Average monthly employment ..	1,015	19	999	12

Table 8. - Number of Wage-earners in Month of Highest Employment with their Regular Hours of Work and Average Weekly Earnings, 1943 and 1944

Number of Hours Worked per Week	Number of Employees				Number of Hours Worked per Week	Number of Employees			
	1943		1944			1943		1944	
	Male	Female	Male	Female		Male	Female	Male	Female
30 hours or less	100	7	86	1	51-54 hours .	287	2	275	-
31-43 hours	34	3	21	4	55 hours	75	1	54	1
44 hours	19	4	29	-	56-64 hours .	346	-	319	1
45-47 hours	41	-	27	-	65 hours and Over	58	-	41	-
48 hours	136	3	186	4	Average hours per week ...	52.7	38.9	51.6	44.2
49-50 hours	87	1	111	1	Average week- ly earnings.	\$20.35	\$9.05	\$20.11	\$13.25



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THE FEED AND CHOPPING MILL INDUSTRY IN CANADA, 1944

Table 9. - Power Equipment in Feed and Chopping Mills, 1943 and 1944

Classes of Power		1943		1944	
		Number of Units	Manufacturer's Rating of Horse-power Capacity	Number of Units	Manufacturers' Rating of Horse-power Capacity
Steam engines and steam turbines	In use	10	477	10	397
	Idle	4	222	5	320
Diesel engines	In use	241	11,740	236	11,354
	Idle	14	659	13	544
Gasoline, gas and oil engines, other than diesel	In use	246	9,006	242	9,142
	Idle	26	735	26	915
Hydraulic turbines or water wheels	In use	350	13,160	299	11,965
	Idle	12	478	14	514
Electric motors operated by purchased power	In use	666	12,180	804	13,777
	Idle	22	389	26	517
TOTAL POWER USED IN MANUFACTURING		1,591	49,046	1,675	49,445
Electric motors operated by power generated by the establishment		8	123	8	123
Total Electric Motors ...		696	12,692	838	14,417
TOTAL POWER INSTALLATION.		1,599	49,169	1,683	49,568
Boilers	In use	9	505	8	517
	Idle	1	50	3	170
Motor generator sets	In use	7	252	9	253
	Idle	-	-	-	-

Table 10. - Consumption of Fuel and Electricity in Feed and Chopping Mills, 1943 and 1944

Kinds of Fuel	Unit of Measure	1943		1944	
		Quantity	Total Cost at Mill	Quantity	Total Cost at Mill
Coal -	Ton		\$		\$
Bituminous	(2000 lb.)	2,313	23,790	1,184	10,756
Anthracite	"	357	4,691	301	3,854
Lignite	"	181	1,093	129	776
Coke	"	41	604	43	540
Gasoline	Imp. Gal.	369,872	107,246	372,947	112,125
Kerosene or coal oil	" "	10,932	1,630	14,493	3,052
Fuel or diesel oil	" "	778,797	91,710	653,283	78,828
Wood	Cord	908	5,449	924	5,988
Gas, manufactured and natural	M cu. ft.	27,331	15,874	23,277	12,987
Other fuel	-	-	1,712	-	1,937
Electricity purchased	K.W.H.	11,999,969	221,875	10,069,039	221,044
TOTAL COST OF FUEL AND ELECTRICITY			475,674		451,887