

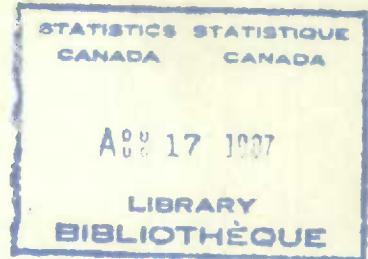
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CANADA
DEPARTMENT OF TRADE AND COMMERCE
DOMINION BUREAU OF STATISTICS
CENSUS OF INDUSTRY
GENERAL MANUFACTURES BRANCH



REPORT
ON THE
FLOUR AND FEED MILLING INDUSTRIES
IN
CANADA
1943



OTTAWA
1945

Price 25 cents

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DEPARTMENT OF TRADE AND COMMERCE

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GENERAL MANUFACTURING INDUSTRY



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GENERAL MANUFACTURES BRANCH
OTTAWA - CANADA

Dominion Statistician; S. A. Cudmore, M.A. (Oxon.), F.S.S., F.R.S.C.
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THE FLOUR AND FEED MILLING INDUSTRIES IN CANADA, 1943.

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 1943 reveals a decrease of 40 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 1931 to 1941 and by provinces for the years 1942 and 1943.

The flour milling industry operated at a very high level of production in 1943. The output of flour amounting to 23,986,769 barrels was the highest on record and represents an increase of 3,866,987 barrels or 19 per cent over the 1942 output. There was also an increase of 220,658 tons in the production of chopped feed; 137,043 tons in bran, shorts and middlings; and 65,571 tons in stock and poultry feeds. The output of rolled oats and oatmeal, however, declined by 13,675 tons. All told there was an increase of about 17 per cent in the physical volume of production. The increase in production is also reflected in an increase of 443 in the number of persons employed and \$1,239,185 in the salaries and wages paid. The increase in the gross value of production amounting to \$41,663,620 or 26.1 per cent is mainly due to the increase in the physical volume of production, as the selling values at the mill of the products made advanced only moderately, as the following table shows:

Product	Unit	Selling Values	
		1942	1943
		\$	\$
Wheat flour, all grades	Barrel	4.28	4.68
Oatmeal and rolled oats	Ton	71.33	72.45
Bran, shorts and middlings	"	25.60	24.84
Feed, chopped	"	32.04	33.82
Stock and poultry feeds	"	43.55	46.23

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

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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 3,911,886 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 present war. Exports of wheat flour to all countries jumped accordingly to 12,896,995 barrels in 1943. 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 1943 amounted to \$201,127,291 of which wheat flour was accountable for \$112,345,014. Next in order of importance was chopped grain feed with a total of \$47,251,873 followed by shorts and middlings to the extent of \$12,148,950. Prepared Stock and poultry feeds takes fourth place with \$11,508,843 whilst Bran occupies fifth position with a valuation of \$8,045,780. The output of wheat flour of all grades in 1943 totalled 23,986,769 barrels valued at \$4.68 per barrel. This represents an increase of 3,866,987 in the number of barrels produced and an increase of 40 cents in the selling price per barrel as compared with 1942.

Capital. - The capital employed in these industries represented an investment of \$70,869,815 which was divided as follows; fixed capital - consisting of present value of land, buildings, fixtures, machinery, tools, etc., - \$29,870,156 and working capital which comprises inventory value of materials on hand, stocks in process, finished products on hand, etc., \$29,572,802 and cash, bills and accounts receivable \$11,426,857.

Employees, Salaries and Wages. - The administrative and clerical work in connection with the two industries required the services of 1,725 male and 493 female employees whose total salaries amounted to \$3,375,757. The number of wage-earners employed was 4,691 male and 254 female which necessitated a payroll amounting to \$6,639,981.

Cost of Materials. - The total cost of all materials in both industries, including containers, amounted to \$169,488,522. Wheat of all types was by far the largest contributor to this sum with \$106,116,003. Mixed grain for chopping takes second place with \$25,704,793. The next largest item of expense was that of containers and container materials which accounted for \$13,233,048 whilst oats occupy fourth position with a total cost of \$10,003,080.

THE FLOUR AND FEED MILLING INDUSTRIES IN CANADA, 1943.

Table 1. - Principal Statistics for the Years 1931 to 1943.

Year	Estab-lish-ments No.	Capital Invested \$	Em- ployees No.	Salaries and Wages \$	Cost of Materials Used \$	Gross Value of Production \$
1931	1,265	61,069,192	5,671	6,032,189	71,771,797	95,728,540
1932	1,290	58,283,212	5,586	5,576,395	63,177,656	84,748,800
1933	1,328	59,054,506	5,470	5,108,137	63,297,848	83,322,099
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
<u>1942</u>						
CANADA	1,171	62,586,759	6,720	8,776,553	126,374,719	159,463,671
Prince Edward						
Island	10	46,650	11	4,141	65,610	78,067
Nova Scotia	10	196,822	19	14,608	247,969	283,057
New Brunswick ...	16	152,350	39	27,459	332,576	391,882
Quebec	168	8,108,802	865	1,279,488	14,597,717	18,127,007
Ontario	755	32,412,350	3,788	4,770,980	76,863,163	95,784,404
Manitoba	41	5,860,462	570	715,501	9,823,287	12,196,067
Saskatchewan	64	7,526,465	630	880,072	13,041,196	17,851,352
Alberta	102	8,172,673	778	1,065,959	11,298,744	14,612,383
British Columbia.	5	110,185	20	18,345	104,457	139,452
<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>1943</u>						
Flour mills	260	60,890,898	5,337	8,441,616	133,850,395	159,094,142
Feed and chopping mills	871	9,978,917	1,826	1,574,122	35,638,127	42,033,149
TOTAL	1,131	70,869,815	7,163	10,015,738	169,488,522	201,127,291

THE FLOUR AND FEED MILLING INDUSTRIES IN CANADA, 1943.

Table 2. - Quantity and Value of Principal Mill Products in Canada, 1937 to 1943

Products	Unit of Measure	Quantity	Selling Value at Mill	Average Value
<u>1937</u>				
Wheat flour, all grades	Barrel	14,208,560	80,597,091	5.67
Oatmeal and rolled oats	"	806,007	6,294,699	7.81
Bran, shorts and middlings	Ton	509,872	13,330,106	26.14
Feed, chopped	"	724,624	23,700,986	32.71
<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

THE FLOUR AND FEED MILLING INDUSTRIES IN CANADA, 1943

Table 3. - Production in All Mills, by Classes, 1943.

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	7,544,071	36,657,055	55,494	256,839	36,913,894
Spring No. 2 Patent ... "	6,368,175	28,711,080	18,273	84,602	28,795,682
Spring Straight	7,506,626	34,651,791	51,102	231,705	34,883,496
Ontario Winter Straight "	1,103,411	6,297,074	786	4,093	6,301,167
Low grade flour	321,706	1,157,118	3,225	12,292	1,169,410
Feed flour	167,770	538,324	493	1,212	539,536
All other	842,682	3,728,382	2,955	13,447	3,741,829
Flour and meal, other -					
Whole wheat and Graham flour	Lb. 11,938,082	263,273	8,824	204	263,477
Prepared or self-raising flour	" 2,057,143	58,584	600	21	58,605
Barley, flour and meal.	" 39,843,936	725,560	560,000	12,010	737,570
Rye, flour and meal ...	" 10,637,608	225,799	-	-	225,799
Corn flour	" 5,505,712	196,219	-	-	196,219
Corn meal	" 24,500,044	774,647	1,000	28	774,675
Buckwheat flour	" 845,900	28,347	449,594	18,111	46,458
Pea meal	" 93,450	1,635	-	-	1,635
Breakfast foods -					
Prepared breakfast foods	Lb. 854,119	104,200	-	-	104,200
Oatmeal	Ton 3,407	249,889	507	22,000	271,889
Rolled oats	" 50,122	3,643,232	-	-	3,643,232
Rolled or flaked wheat.	Lb. 3,510,753	108,992	1,768	54	109,046
Unprepared breakfast food	" 14,091,680	526,677	21,477	584	527,261
Other products -					
Barley, pot and pearl	Lb. 8,850,285	239,972	-	-	239,972
Corn, cracked	" 5,817,180	141,720	1,200	27	141,747
Peas, split	" 4,062,800	281,534	-	-	281,534
Stock and poultry foods	Ton 247,526	11,442,128	1,392	66,715	11,508,843
Shorts and middlings ..	" 477,572	12,081,460	2,898	67,490	12,148,950
Bran	" 330,015	7,989,135	2,566	56,645	8,045,780
Chopped grain feed	" 423,742	14,461,143	973,502	32,790,730	47,251,873
Alfalfa meal	" 4,852	113,706	166	3,855	117,561
Offal, not otherwise specified	" 69,738	1,584,798	318	10,390	1,595,188
All other products	-	490,763	-	-	490,763
TOTAL VALUE OF PRODUCTION IN ALL MILLS - -					
		167,474,237		33,653,054	201,127,291

THE FLOUR AND FEED MILLING INDUSTRIES IN CANADA, 1943.

Table 4. - Materials Used in All Mills, 1942 and 1943.

	Unit of Measure	C A N A D A	
		Quantity	Cost Value at Mill
<u>1 9 4 2</u>			
Wheat	Bushel	93,547,907	74,506,722
Oats	"	15,524,583	7,711,059
Barley	"	5,374,345	3,341,710
Rye	"	591,764	291,571
Corn	"	1,869,997	2,059,802
Buckwheat	"	227,497	164,187
Peas	"	53,074	99,118
Mixed grains for chopping	"	43,473,588	23,646,685
Other grains	"	302,664	148,870
Cost of containers purchased	-	-	10,663,671
Cost of materials used in making containers	-	-	61,468
All other materials	-	-	3,679,856
TOTAL COST OF MATERIALS USED ...	-	-	126,374,719
<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

THE FLOUR AND FEED MILLING INDUSTRIES IN CANADA, 1943.

Table 5. - Capital Invested in all Mills, 1930 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.	
1930	36,776,071	14,812,792	11,028,144	62,617,007
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	18,780,658	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>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

THE FLOUR AND FEED MILLING INDUSTRIES IN CANADA, 1943.

Table 6. - Employees, Salaries and Wages in all Mills, by Provinces, 1942 and 1943.

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>1942</u>									
CANADA	1,787	424	3,118,239	4,353	156	5,658,314	6,140	580	8,776,553
Prince Edward Island	8	-	2,186	3	-	1,955	11	-	4,141
Nova Scotia .	5	-	1,360	13	1	13,248	18	1	14,608
New Brunswick	18	5	13,839	16	-	13,620	34	5	27,459
Quebec	293	56	619,219	514	2	660,269	807	58	1,279,488
Ontario	895	188	1,375,917	2,608	97	3,395,063	3,503	285	4,770,980
Manitoba	142	30	241,629	376	22	473,872	518	52	715,501
Saskatchewan.	176	71	360,742	363	20	519,330	539	91	880,072
Alberta	245	73	499,696	446	14	566,263	691	87	1,065,959
British Columbia ...	5	1	3,651	14	-	14,694	19	1	18,345
<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

THE FLOUR AND FEED MILLING INDUSTRIES IN CANADA, 1943.

Table 7. - Power Equipment in all Mills, 1942 and 1943.

Classes of Power		1942		1943	
		Number of Units	Manufacturers'	Number of Units	Manufacturers'
			Rating of Horse-power Capacity		Rating of Horse-power Capacity
Steam engines and steam turbines	In use	55	7,162	40	6,172
	Idle	4	232	8	757
Diesel engines	In use	304	14,684	297	14,627
	Idle	15	759	18	833
Gasoline, gas and oil engines other than diesel	In use	326	11,700	295	10,250
	Idle	34	1,011	40	970
Hydraulic turbines or water wheels	In use	481	25,298	502	25,793
	Idle	24	969	16	611
Electric motors operated by purchased power	In use	2,745	66,270	2,803	67,456
	Idle	142	4,742	128	4,113
TOTAL POWER USED IN MANUFACTURING		4,130	132,827	4,147	131,582
Electric motors operated by power generated by the establishment	In use	76	2,270	100	2,229
	Idle	-	-	-	-
Boilers	In use	91	9,348	96	8,844
	Idle	6	1,065	8	1,135
Motor generator sets	In use	8	425	10	315
	Idle	-	-	-	-

Table 8. - Fuel and Electricity Used in all Mills, 1942 and 1943

Kinds of Fuel	Unit of Measure	1942		1943	
		Quantity	Total Cost	Quantity	Total Cost
			at Mill		at Mill
Bituminous coal	Short ton	29,275	203,775	34,798	253,076
Anthracite coal	" "	565	7,514	735	9,442
Lignite coal	" "	12,645	46,410	14,634	58,153
Coke	" "	10	103	49	721
Gasoline	Imp. Gal.	531,688	156,714	547,244	163,517
Kerosene or coal oil.	" "	7,117	1,061	12,111	1,870
Fuel and diesel oil .	" "	929,325	115,826	969,878	120,707
Wood	Cord	9,476	34,511	5,372	28,118
Gas, manufactured and natural	M cu. ft.	556,850	42,402	587,464	42,868
Other fuel	-	-	12,059	-	10,930
Electricity purchased	K.W.H.	130,404,513	1,051,475	148,459,889	1,222,798
TOTAL COST OF FUEL AND ELECTRICITY		-	1,671,850	-	1,912,200

THE FLOUR MILLING INDUSTRY IN CANADA, 1943.

SECTION 2. - THE FLOUR MILLING INDUSTRY, 1943.

Table 1. - Principal Statistics of the Flour Mills in Canada for the Years, 1930 to 1943

Year	Estab- lish- ments No.	Capital Invested \$	Em- plovees No.	Salaries and Wages \$	Cost of Materials Used \$	Gross Value of Production \$
1930	382	56,264,148	4,673	5,885,224	102,823,717	124,504,524
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	4,422,689	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	103,886,310
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
<u>1942</u>						
CANADA	281	53,482,276	4,999	7,465,544	98,182,809	125,634,302
Prince Edward Island.	6	37,500	7	3,685	58,000	68,737
Nova Scotia and New Brunswick	5	25,213	8	5,249	52,526	68,668
Quebec	52	7,102,820	681	1,167,123	12,755,086	15,793,839
Ontario	96	5,000,491	2,432	3,695,894	52,904,250	67,195,118
Manitoba	27	5,742,058	540	690,440	9,616,608	11,906,554
Saskatchewan	47	7,485,199	608	869,150	12,854,099	17,626,240
Alberta	43	7,978,810	703	1,015,658	9,837,783	12,835,694
British Columbia ¹	5	110,185	20	18,345	104,457	139,452
<u>1943</u>						
CANADA	264	60,976,429	5,347	8,450,020	133,888,281	159,148,228
Prince Edward Island.	6	39,700	8	4,275	52,934	61,196
Nova Scotia and New Brunswick	4	20,012	6	4,972	41,355	63,412
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
British Columbia ¹	6	149,245	20	18,733	132,862	184,443

1. Includes feed mills.

THE FLOUR MILLING INDUSTRY IN CANADA, 1943.

Table 2. - Production in Flour Mills by Classes and the Provinces, 1943.

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	7,544,071	36,657,055	55,494	256,839	36,913,894
Spring No. 2 Patent ...	"	6,368,175	28,711,080	18,273	84,602	28,795,682
Spring Straight	"	7,506,626	34,651,791	51,102	231,705	34,883,496
Ontario Winter Straight	"	1,103,411	6,297,074	786	4,093	6,301,167
Low grade flour	"	321,706	1,157,118	3,225	12,292	1,169,410
Feed flour	"	167,770	538,324	493	1,212	539,536
All other	"	842,682	3,728,382	2,955	13,447	3,741,829
Flour and meal, other -						
Whole wheat and graham flour	Lb.	11,037,382	240,954	8,824	204	241,158
Prepared or self-raising flour	"	2,049,643	58,059	600	21	58,080
Barley, flour and meal.	"	22,177,700	403,424	540,000	11,610	415,034
Rye, flour and meal ...	"	10,016,208	211,353	-	-	211,353
Corn flour	"	3,931,520	139,965	-	-	139,965
Corn meal	"	19,841,574	652,094	-	-	652,094
Buckwheat flour	"	260,160	6,909	282,946	12,059	18,968
Breakfast foods -						
Prepared breakfast foods	Lb.	668,378	75,505	-	-	75,505
Oatmeal	Ton	3,099	237,450	230	10,720	248,170
Rolled oats	"	48,134	3,495,568	-	-	3,495,568
Rolled or flaked wheat.	Lb.	2,353,053	74,806	1,768	54	74,860
Unprepared breakfast foods	"	11,250,529	430,784	20,717	546	431,330
Other products -						
Barley, pot and pearl .	Lb.	5,359,963	165,458	-	-	165,458
Corn, cracked	"	3,014,568	73,507	-	-	73,507
Stock and poultry foods	Ton	175,606	8,114,462	30	1,500	8,115,962
Shorts and middlings ..	"	477,547	12,080,587	2,898	67,490	12,148,077
Bran	"	329,995	7,988,321	2,566	56,645	8,044,966
Chopped grain feed	"	178,983	5,895,500	134,972	4,472,216	10,367,716
Alfalfa meal	"	3,115	71,198	125	2,780	73,978
Offal, not otherwise specified	"	56,663	1,218,237	168	5,540	1,223,777
All other products	-	-	473,602	-	-	473,602
TOTAL	-	-	153,848,567	-	5,245,575	159,094,142

THE FLOUR MILLING INDUSTRY IN CANADA, 1943.

Table 2. - Production in Flour Mills by Classes and the Provinces, 1943 - Continued.

Products	Unit of Measure	Merchant Grinding		Custom or Exchange Grinding		Total Selling Value at Mill
		Quantity	Value	Quantity	Value	
<u>PRINCE EDWARD ISLAND</u>						
Wheat flour -						
Spring No. 1 Patent ...	Barrel	-	-	1,083	4,915	4,915
Spring Straight	"	-	-	366	1,756	1,756
Low grade	"	-	-	15	50	50
Feed flour	"	-	-	20	60	60
All other	"	-	-	40	205	205
Flour and meal, other -						
Whole wheat and graham flour	Lb.	48,180	1,445	-	-	1,445
Breakfast foods -						
Oatmeal	Ton	-	-	-	-	-
Unprepared breakfast foods	Lb.	-	-	-	-	-
Other products -						
Shorts and middlings ..	Ton	-	-	49	1,518	1,518
Bran	"	-	-	51	1,493	1,493
Chopped grain feed	"	129	4,680	1,290	45,074	49,754
Offal, not otherwise specified	"	-	-	-	-	-
All other products	-	-	-	-	-	-
TOTAL	-	-	6,125	-	55,071	61,196
<u>NOVA SCOTIA AND NEW BRUNSWICK</u>						
Wheat flour -						
Spring No. 1 Patent ...	Barrel	-	-	23	150	150
Spring No. 2 Patent ...	"	-	-	122	885	885
Spring Straight	"	-	-	454	1,908	1,908
Low grade	"	-	-	60	150	150
All other	"	-	-	-	-	-
Flour and meal, other -						
Barley, flour and meal.	Lb.	-	-	-	-	-
Buckwheat flour	"	-	-	267,946	11,797	11,797
Breakfast foods -						
Oatmeal	Ton	-	-	5	370	370
Other products -						
Shorts and middlings -	"	-	-	14	416	416
Bran	"	-	-	21	621	621
Chopped grain feed	"	-	-	1,155	41,675	41,675
Offal, not otherwise specified	"	-	-	164	5,440	5,440
All other products	-	-	-	-	-	-
TOTAL	-	-	-	-	63,412	63,412

THE FLOUR MILLING INDUSTRY IN CANADA, 1943

Table 2. - Production in Flour Mills by Classes and Provinces, 1943 - Continued.

Products	Unit of Measure	Merchant Grinding		Custom or Exchange Grinding		Total Selling Value at Mill
		Quantity	Value	Quantity	Value	
QUEBEC						
Wheat flour -						
Spring No. 1 Patent	Barrel	1,065,541	5,011,781	18,633	93,695	5,105,476
Spring No. 2 Patent	"	315,310	1,220,323	90	450	1,220,773
Spring Straight	"	970,975	4,744,665	-	-	4,744,665
Ontario Winter Straight.	"	1,075	6,094	-	-	6,094
Low grade	"	101,816	382,624	-	-	382,624
Feed flour	"	62,295	229,120	-	-	229,120
All other	"	167,640	750,173	-	-	750,173
Flour and meal, other -						
Barley, flour and meal .	Lb.	11,880,000	231,703	540,000	11,610	243,313
Corn flour	"	230,000	4,025	-	-	4,025
Corn meal	"	272,190	6,092	-	-	6,092
Buckwheat flour	"	-	-	15,000	262	262
Wheat meal	"	-	-	-	-	-
Breakfast foods -						
Prepared breakfast foods	Lb.	366,299	50,868	-	-	50,868
Oatmeal	Ton -	-	-	225	10,350	10,350
Other products -						
Barley, pot and pearl ..	Lb.	-	-	-	-	-
Corn cracked	"	275,668	6,129	-	-	6,129
Stock and poultry foods.	Ton	36,019	1,640,193	-	-	1,640,193
Shorts and middlings ...	"	52,641	1,580,084	300	9,000	1,589,084
Bran	"	33,384	947,129	277	7,744	954,873
Chopped grain feed	"	18,423	655,212	17,723	630,547	1,285,759
Alfalfa meal	"	25	500	85	1,700	2,200
Offal, not otherwise specified	"	2,870	57,400	4	100	57,500
All other products	-	-	891	-	-	891
TOTAL	-	-	17,525,006	-	765,458	18,290,464
ONTARIO						
Wheat flour -						
Spring No. 1 Patent	Barrel	4,585,674	22,295,641	-	-	22,295,641
Spring No. 2 Patent	"	3,778,904	17,212,482	-	-	17,212,482
Spring Straight	"	2,020,942	10,067,784	-	-	10,067,784
Ontario Winter Straight.	"	1,102,336	6,290,980	786	4,093	6,295,073
Low grade	"	96,929	367,984	-	-	367,984
Feed flour	"	20,483	64,735	-	-	64,735
All other	"	357,455	1,565,699	-	-	1,565,699
Flour and meal, other -						
Whole wheat and Graham flour	Lb.	6,740,974	145,339	-	-	145,339
Prepared or self-raising flour	"	1,836,617	45,915	-	-	45,915
Barley, flour and meal	"	1,059,700	19,490	-	-	19,490
Rye, flour and meal	"	9,470,154	201,978	-	-	201,978

THE FLOUR MILLING INDUSTRY IN CANADA, 1943.

Table 2. - Production in Flour Mills by Classes and Provinces, 1943 - 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.	3,701,520	135,940	-	-	135,940
Corn meal	"	19,569,384	646,002	-	-	646,002
Buckwheat flour	"	244,160	6,465	-	-	6,465
Breakfast foods -						
Prepared breakfast foods.	"	-	-	-	-	-
Oatmeal	Ton	1,317	118,530	-	-	118,530
Rolled oats	"	11,288	1,015,174	-	-	1,015,174
Rolled or flaked wheat ..	Lb.	1,582,270	51,306	-	-	51,306
Unprepared breakfast foods	"	6,034,683	158,672	-	-	158,672
Other products -						
Barley, pot and pearl ...	Lb.	2,153,452	67,758	-	-	67,758
Corn, cracked	"	2,570,900	62,893	-	-	62,893
Stock and poultry foods	Ton	113,647	5,214,095	30	1,500	5,215,595
Shorts and middlings ...	"	232,801	6,019,304	18	587	6,019,891
Bran	"	168,102	4,252,861	23	708	4,253,569
Chopped grain feed	"	77,270	2,663,424	94,784	3,201,346	5,864,770
Alfalfa meal	"	2,600	57,000	-	-	57,000
Offal, not otherwise specified	"	17,474	431,145	-	-	431,145
All other products	"	-	18,214	-	-	18,214
TOTAL	-	-	79,196,810	-	3,208,234	82,405,044

MANITOBA

Wheat flour -						
Spring No. 1 Patent	Barrel	404,378	1,960,026	8,655	39,224	1,999,250
Spring No. 2 Patent	"	1,149,093	5,228,960	943	4,376	5,233,336
Spring Straight	"	964,923	4,138,001	1,482	6,623	4,144,624
Low grade	"	31,587	100,709	30	79	100,788
Feed flour	"	56,306	166,958	-	-	166,958
All other	"	73,546	296,049	2,285	10,230	306,279
Flour and meal, other -						
Whole wheat and Graham flour	Lb.	1,497,785	35,576	1,124	50	35,626
Prepared or self-raising flour	"	2,793	170	-	-	170
Barley, flour and meal ..	"	8,710,000	143,715	-	-	143,715
Rye flour and meal	"	489,436	8,101	-	-	8,101
Breakfast foods -						
Prepared breakfast foods.	"	-	-	-	-	-
Oatmeal	Ton	753	51,721	-	-	51,721
Rolled oats	"	8,816	605,477	-	-	605,477
Rolled or flaked wheat ..	Lb.	410,040	11,071	-	-	11,071
Unprepared breakfast foods	"	323,848	24,399	1,081	16	24,415

THE FLOUR MILLING INDUSTRY IN CANADA, 1943

Table 2. - Production in Flour Mills by Classes and Provinces, 1943 - 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.	1,833,972	47,237	-	-	47,237
Stock and poultry foods .	Ton	16,531	780,000	-	-	780,000
Shorts and middlings	"	49,921	1,292,196	270	6,554	1,298,750
Bran	"	36,746	870,807	347	8,143	878,950
Chopped grain feed	"	31,782	942,470	3,748	97,974	1,040,444
Offal, not otherwise specified	"	8,140	135,526	-	-	135,526
All other products	-	-	445,266	-	-	445,266
TOTAL	-	-	17,284,435	-	173,269	17,457,704
SASKATCHEWAN						
Wheat flour - - -						
Spring No. 1 Patent	Barrel	946,440	4,785,722	20,770	90,433	4,876,155
Spring No. 2 Patent	"	202,813	1,033,374	15,570	71,846	1,105,220
Spring Straight	"	2,052,907	9,569,753	30,776	137,111	9,706,864
Low grade	"	9,849	33,408	3,070	11,813	45,221
Feed flour	"	7,293	15,232	127	279	15,511
All other	"	199,545	903,055	630	3,012	906,067
Flour and meal, other -						
Whole wheat and Graham flour	Lb.	184,216	4,635	6,524	130	4,765
Prepared or self-raising flour	"	8,400	504	-	-	504
Rye flour	"	-	-	-	-	-
Breakfast foods -						
Prepared breakfast foods.	"	287,718	21,487	-	-	21,487
Oatmeal	Ton	680	43,087	-	-	43,087
Rolled oats	"	22,365	1,483,732	-	-	1,483,732
Rolled or flaked wheat ..	Lb.	357,503	12,330	-	-	12,330
Unprepared breakfast foods	"	278,164	8,011	16,072	400	8,411
Other products -						
Barley, pot and pearl ...	Lb.	1,222,060	45,925	-	-	45,925
Stock and poultry foods .	Ton	2,724	122,000	-	-	122,000
Shorts and middlings	"	81,913	2,014,809	1,764	39,113	2,053,922
Bran	"	49,146	1,054,566	1,287	26,514	1,081,080
Chopped grain feed	"	37,903	1,194,005	4,707	137,375	1,331,380
Offal, not otherwise specified	"	21,258	481,001	-	-	481,001
All other products	-	-	309	-	-	309
TOTAL	-	-	22,826,945	-	518,026	23,344,971

THE FLOUR MILLING INDUSTRY IN CANADA, 1943.

Table 2. - Production of Flour Mills by Classes and the Provinces, 1943 - 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	541,913	2,603,195	6,312	28,332	2,631,527
Spring No. 2 Patent	"	921,821	4,014,537	1,504	6,841	4,021,378
Spring Straight	"	1,496,411	6,129,248	18,024	84,307	6,213,555
Low grade	"	81,511	272,337	50	200	272,537
Feed flour	"	21,393	62,279	346	873	63,152
All other	"	44,496	213,406	-	-	213,406
Flour and meal, other -						
Whole wheat and Graham flour	Lb.	2,516,148	52,584	1,176	24	52,608
Prepared or self-raising flour	"	201,833	11,470	600	21	11,491
Rye, flour and meal	"	56,618	1,274	-	-	1,274
Barley, flour and meal .	"	528,000	8,516	-	-	8,516
Corn meal	"	-	-	-	-	-
Buckwheat flour	"	16,000	444	-	-	444
Breakfast foods -						
Prepared breakfast foods	Lb.	10,361	2,590	-	-	2,590
Oatmeal	Ton	349	24,112	-	-	24,112
Rolled oats	"	5,665	391,185	-	-	391,185
Rolled or flaked wheat	Lb.	3,240	99	1,768	54	153
Unprepared breakfast foods	"	4,537,316	237,646	3,564	130	237,776
Other products -						
Barley, pot and pearl ..	Lb.	150,479	4,538	-	-	4,538
Corn, cracked	"	164,000	4,397	-	-	4,397
Stock and poultry foods.	Ton	6,289	340,978	-	-	340,978
Shorts and middlings ...	"	60,253	1,173,714	481	10,250	1,183,964
Bran	"	42,584	862,136	558	11,363	873,499
Chopped grain feed	"	11,705	375,894	10,591	285,885	661,779
Alfalfa meal	"	156	4,680	-	-	4,680
Offal, not otherwise specified	"	6,921	113,165	-	-	113,165
All other products	-	-	8,290	-	-	8,290
TOTAL	-	-	16,912,714	-	428,280	17,340,994

THE FLOUR MILLING INDUSTRY IN CANADA, 1943.

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

Materials	Unit of Measure	C A N A D A		Prince Edward Island	
		Quantity	Value	Quantity	Value
		\$		\$	
Wheat	Bushel	110,109,551	103,887,468	9,804	10,607
Oats	"	10,893,023	5,652,509	45,592	25,045
Barley	"	5,129,505	3,433,517	-	-
Rye	"	372,059	285,087	-	-
Corn	"	1,402,382	1,727,122	-	-
Buckwheat	"	69,092	57,656	-	-
Peas	"	1,821	4,820	-	-
Mixed grain for chopping	"	5,774,639	3,319,356	35,836	17,282
Other grains	"	218,459	120,470	-	-
Alfalfa	Ton	3,294	45,665	-	-
All other materials	-	-	2,609,788	-	-
Cost of containers purchased ..	-	-	12,577,903	-	-
Cost of materials used in making containers	-	-	129,034	-	-
TOTAL	-	-	133,850,395	-	52,934

		Nova Scotia and New Brunswick		Quebec	
		Quantity	Value	Quantity	Value
		\$		\$	
Wheat	Bushel	3,622	3,924	12,200,347	11,848,463
Oats	"	330	184	913,227	513,491
Barley	"	-	-	1,369,760	996,600
Rye	"	-	-	150	125
Corn	"	-	-	52,458	61,897
Buckwheat	"	12,435	11,290	20,551	16,561
Peas	"	-	-	4	5
Mixed grain for chopping	"	60,686	25,957	206,493	127,624
Other grains	"	-	-	161,066	100,848
Alfalfa	Ton	-	-	110	1,650
All other materials	-	-	-	-	521,614
Cost of containers purchased ..	-	-	-	-	1,534,570
Cost of materials used in making containers	-	-	-	-	-
TOTAL	-	-	41,355	-	15,723,448

THE FLOUR MILLING INDUSTRY IN CANADA, 1943.

Table 3. - Materials Used in Flour Mills, by Provinces, 1943 - Concluded

Kind	Unit of Measure	Ontario		Manitoba		Saskatchewan	
		Quantity	Value	Quantity	Value	Quantity	Value
Wheat	Bushel	54,822,351	55,468,942	12,316,674	10,903,944	16,720,323	14,174,091
Oats	"	3,649,768	2,124,252	1,974,362	930,830	3,002,314	1,449,646
Barley	"	1,967,045	1,429,268	1,168,485	671,778	369,422	193,362
Rye	"	250,625	213,324	92,804	52,942	18,442	11,834
Corn	"	1,268,951	1,577,940	56,458	55,641	-	-
Buckwheat	"	33,673	27,360	2,433	2,445	-	-
Peas	"	1,817	4,815	-	-	-	-
Mixed grain for chopping	"	4,959,645	2,909,271	156,086	75,622	108,721	51,611
Other grains	"	15,390	8,432	36,826	8,862	-	-
Alfalfa	Ton	2,654	33,975	-	-	-	-
All other materials ..	-	-	1,427,831	-	283,033	-	109,321
Cost of containers purchased	-	-	5,659,001	-	1,480,918	-	2,170,823
Cost of materials used in making containers.	-	-	-	-	128,419	-	615
TOTAL	-	-	70,882,411	-	14,594,434	-	18,181,302

Kind		Alberta		British Columbia /1	
		Quantity	Value	Quantity	Value
Wheat	Bushel	14,004,862	11,452,347	46,238	39,357
Oats	"	1,249,533	582,494	84,568	39,109
Barley	"	212,984	119,440	52,580	30,297
Rye	"	10,038	6,862	3,100	2,600
Corn	"	24,515	31,644	36	54
Buckwheat	"	-	-	-	-
Peas	"	-	-	-	-
Mixed grain for chopping	"	246,222	111,589	950	400
Other grains	"	3,657	3,948	1,520	380
Alfalfa	Ton	156	4,066	374	5,984
All other materials ..	-	-	260,689	-	7,300
Cost of containers purchased	-	-	1,726,466	-	7,381
Cost of materials used in making containers.	-	-	-	-	-
TOTAL	-	-	14,299,535	-	132,862

1. Includes feed mills.

THE FLOUR MILLING INDUSTRY IN CANADA, 1943

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, Nova Scotia and New Brunswick	35,000	1,300	1,200	37,500
Quebec	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, Nova Scotia and New Brunswick	37,500	1,000	1,200	39,700
Quebec	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.

THE FLOUR MILLING INDUSTRY IN CANADA, 1943

Table 5. - Size of Establishments, 1942 and 1943.

Establishments having a production of -	Estab- lish- ments No.	Capital Invested \$	Em- ployees No.	Salaries and Wages \$	Cost of Materials Used \$	Total Production \$
<u>1 9 4 2</u>						
Under \$50,000	175	3,046,517	432	421,772	2,359,689	3,067,436
\$50,000 to \$99,999	38	1,029,680	166	178,698	2,243,142	2,749,754
\$100,000 to \$199,999	19	1,109,422	189	212,101	2,116,565	2,653,233
\$200,000 to \$499,999	15	1,561,936	230	296,456	4,192,313	4,958,359
\$500,000 to \$999,999	8	1,941,111	239	363,766	5,210,806	6,182,111
\$1,000,000 to \$4,999,999	13	16,572,762	1,413	2,072,721	24,291,656	30,417,394
\$5,000,000 and over	9	28,165,248	2,320	3,912,671	57,732,376	75,560,243
TOTAL	277	53,426,676	4,989	7,458,185	98,146,547	125,588,520
<u>1 9 4 3</u>						
Under \$50,000	35	2,769,914	331	329,177	1,183,793	1,527,161
\$50,000 to \$99,999	44	985,235	165	181,206	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	6,707,732
\$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	103,134,976
TOTAL	260	60,890,898	5,337	8,441,616	133,850,395	159,094,142

THE FLOUR MILLING INDUSTRY IN CANADA, 1943

Table 6a. - Daily Capacity of Flour Mills, 1942 and 1943

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>1942</u>							
Under 100 barrels	175	8,024	46	8.1	292,986	1,674	1.5
100 to 199 barrels	56	6,915	123	7.0	601,382	10,739	3.0
200 to 299 barrels	15	3,473	232	3.5	472,280	31,485	2.2
300 to 499 barrels	5	1,925	385	2.0	566,785	113,357	2.8
500 to 999 barrels	7	5,425	775	5.5	1,096,315	156,638	5.5
1,000 to 2,999 barrels ..	11	22,050	2,005	22.4	6,087,435	553,403	30.3
3,000 to 4,999 barrels ..	3	10,250	3,417	10.4	2,791,589	930,530	13.9
5,000 barrels and over ..	5	40,500	8,100	41.1	8,210,510	1,642,102	40.8
TOTAL AND AVERAGE	277	98,562	355	100.0	20,119,782	72,635	100.0
<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	6.3	461,348	8,094	1.9
200 to 299 barrels	18	4,248	233	4.3	882,999	49,056	3.7
300 to 499 barrels	10	3,685	368	3.7	765,342	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

THE FLOUR MILLING INDUSTRY IN CANADA, 1943

Table 6b. - Equipment and Capacity of Flour Mills, 1943

Province	Estab- lish- ments	Pairs of Rolls	Pairs of Stones	Estimated Maximum Capacity per day
	No.	No.	No.	Bbl.
Prince Edward Island	6	32	4	320
Nova Scotia and New Brunswick	4	18	-	274
Quebec	52	370	63	12,469
Ontario	90	1,752	31	50,950
Manitoba	26	480	3	10,675
Saskatchewan	42	543	15	13,419
Alberta and British Columbia	40	552	1	11,529
CANADA	260	3,747	117	99,636

THE FLOUR MILLING INDUSTRY IN CANADA, 1943

Table 7. - Employees, Salaries and Wages in Flour Mills, 1942 and 1943.

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>1942</u>									
CANADA	1,050	387	2,570,429	3,423	139	4,895,115	4,473	526	7,465,544
Prince Edward Island	4	-	1,730	3	-	1,955	7	-	3,685
Nova Scotia and New Brunswick.	5	-	2,560	3	-	2,689	8	-	5,249
Quebec	198	33	565,716	429	1	601,407	627	54	1,167,123
Ontario	361	161	950,064	1,828	82	2,745,830	2,189	243	3,695,894
Manitoba	124	30	225,630	364	22	464,810	488	52	690,440
Saskatchewan ..	161	71	356,100	356	20	513,050	517	91	869,150
Alberta	192	71	464,978	426	14	550,680	618	85	1,015,658
British Columbia /1 ..	5	1	3,651	14	-	14,694	19	1	18,345
<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

1. Includes feed mills.

THE FLOUR MILLING INDUSTRY IN CANADA, 1943.

Table 8. - Monthly Employment of Wage-earners, 1942 and 1943.

Months	In Flour Mills			
	1 9 4 2		1 9 4 3	
	Male	Female	Male	Female
	No.	No.	No.	No.
January	3,349	103	3,620	215
February	3,285	107	3,673	225
March	3,315	110	3,740	217
April	3,398	112	3,652	218
May	3,359	116	3,549	204
June	3,329	111	3,603	208
July	3,369	118	3,643	223
August	3,504	130	3,589	224
September	3,461	164	3,539	224
October	3,493	184	3,665	257
November	3,535	184	3,782	290
December	3,484	186	3,809	258
Average monthly employment.	3,418	139	3,676	235

Table 9. - Number of Wage-earners in Month of Highest Employment with their Regular Hours of Work and Average Weekly Earnings, 1942 and 1943

Number of Hours Worked per week	Number of Employees				Number of Hours Worked per week	Number of Employees			
	1 9 4 2		1 9 4 3			1 9 4 2		1 9 4 3	
	Male	Female	Male	Female		Male	Female	Male	Female
30 hours or less	165	7	233	18	51 - 54 hours	496	-	489	6
31 - 43 hours .	93	14	221	36	55 hours	103	1	67	1
44 hours	54	33	70	47	56 - 64 hours	1,111	1	1,057	9
45 - 47 hours .	52	14	103	16	65 hours and over	399	-	429	-
48 hours	1,216	110	1,228	137	Average hours per week ...	53.3	45.7	52.12	44.9
49 - 50 hours .	120	11	172	13	Average weekly earnings ...	\$26.50	\$16.34	\$28.93	\$16.71

The above table does not include overtime.

THE FLOUR MILLING INDUSTRY IN CANADA, 1943

Table 10. - Power Equipment in Flour Mills, 1942 and 1943

Classes of Power		1942		1943	
		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	48	6,907	30	5,695
	Idle	2	110	4	535
Diesel engines	In use	60	3,178	56	2,887
	Idle	3	144	4	174
Gasoline, gas and oil engines other than diesel	In use	52	1,254	49	1,244
	Idle	9	302	14	235
Hydraulic turbines or water wheels	In use	168	13,079	152	12,633
	Idle	4	200	4	133
Electric motors operated by purchased power	In use	2,083	54,568	2,137	55,276
	Idle	117	4,258	106	3,724
TOTAL POWER USED IN MANUFACTURING		2,546	84,010	2,556	82,536
Electric motors operated by power generated by the establishment					
	In use	69	2,142	92	2,106
	Idle	-	-	-	-
Boilers	In use	82	8,863	87	8,339
	Idle	6	1,065	7	1,085
Motor generator sets ...	In use	7	393	3	63
	Idle	-	-	-	-

Table 11. - Consumption of Fuel and Electricity, 1942 and 1943

Kinds of Fuel	Unit of Measure	1942		1943	
		Quantity	Cost Value	Quantity	Cost Value
			\$		\$
Coal -	Ton				
Bituminous	(2000 lb.)	27,087	181,661	32,485	229,286
Anthracite	"	149	1,918	378	4,751
Lignite	"	12,550	45,999	14,453	57,060
Coke	"	3	36	8	117
Gasoline	Imp. Gal.	170,074	53,294	177,372	56,271
Fuel oil	" "	181,528	28,004	191,081	28,997
Wood	Cord	7,144	28,063	4,464	22,669
Gas, manufactured and natural	M cu.ft.	526,703	25,035	560,133	26,994
All other fuel	-	-	9,923	-	9,508
TOTAL COST OF FUEL ...		-	373,953	-	435,653
Electricity purchased	K.W.H.	120,119,940	863,677	136,460,820	1,000,923
TOTAL COST OF FUEL AND ELECTRICITY		-	1,237,630	-	1,436,576

THE FEED AND CHOPPING MILL INDUSTRY IN CANADA, 1943.

SECTION 3. - FEED AND CHOPPING MILLS IN CANADA, 1943.

Table 1. - Principal Statistics of the Feed and Chopping Mill Industries in Canada, for the Years, 1930 - 1943

Year	Estab- lish- ments	Capital Invested	Em- plovees	Salaries and Wages	Cost of Materials Used	Gross Value of Production
	No.	\$	No.	\$	\$	\$
1930	894	6,352,859	1,250	793,889	16,853,969	20,351,422
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
<u>1 9 4 2</u>						
CANADA	894	9,160,083	1,731	1,318,368	28,228,172	33,875,151
Prince Edward Island	4	9,150	4	456	7,610	9,330
Nova Scotia	8	194,322	17	14,128	243,784	277,887
New Brunswick	13	129,637	33	22,690	284,235	328,384
Quebec	116	1,005,982	184	112,365	1,842,631	2,333,168
Ontario	659	7,411,859	1,356	1,075,086	23,958,913	28,589,286
Manitoba	14	118,404	30	25,061	206,679	289,513
Saskatchewan	17	41,266	22	10,922	187,097	225,112
Alberta	59	193,863	75	50,301	1,460,961	1,776,689
British Columbia ...	4	55,600	10	7,359	36,262	45,782
<u>1 9 4 3</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

THE FEED AND CHOPPING MILL INDUSTRY IN CANADA, 1943.

Table 2. - Production in Feed and Chopping Mills by Classes, Quantity and Value for Canada and the Provinces, 1942 and 1943.

Provinces	Chopped Grain Feed		Other Products	Total
	Quantity	Value	Value	Value
	Tons	\$	\$	\$
<u>1 9 4 2</u>				
CANADA	954,162	30,576,871	3,298,280	33,875,151
Prince Edward Island	318	9,330	-	9,330
Nova Scotia	1,139	36,539	241,348	277,887
New Brunswick	7,132	234,620	93,764	328,384
Quebec	65,091	2,195,615	137,553	2,333,168
Ontario	802,595	25,941,935	2,647,351	28,589,286
Manitoba	7,032	201,078	88,435	289,513
Saskatchewan	6,671	176,870	48,242	225,112
Alberta	63,345	1,755,017	21,672	1,776,689
British Columbia	839	25,867	19,915	45,782
<u>1 9 4 3</u>				
CANADA	1,083,289	36,884,157	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

Table 3. - Materials Used in Feed and Chopping Mills, 1942 and 1943.

Materials	Unit of Measure	1 9 4 2		1 9 4 3	
		Quantity	Value	Quantity	Value
			\$		\$
Wheat	Bushel	1,682,626	1,368,583	2,429,555	2,228,535
Oats	"	5,597,033	2,703,376	8,258,141	4,350,571
Barley	"	2,837,106	1,701,549	5,559,785	3,755,042
Rye	"	315,104	103,853	145,159	99,107
Corn	"	713,547	763,551	569,789	640,515
Buckwheat	"	130,075	93,408	140,223	110,650
Peas	"	50,263	91,769	82,261	220,112
Mixed grain	"	37,250,168	20,185,027	37,329,018	22,385,437
Other grains	"	175,975	107,107	52,463	54,640
Cost of containers	-	-	309,760	-	524,891
Materials used for making containers	-	-	605	-	1,220
All other materials	-	-	799,584	-	1,267,407
TOTAL	-	-	28,228,172	-	35,638,127

THE FEED AND CHOPPING MILL INDUSTRY IN CANADA, 1943.

Table 4. - Capital Invested in Feed and Chopping Mills in Canada, for the Years 1930 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.	
	\$	\$	\$	\$
1930	5,190,789	598,200	563,870	6,352,859
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

THE FEED AND CHOPPING MILL INDUSTRY IN CANADA, 1943.

Table 5. - Size of Establishments, 1942 and 1943.

Establishments having a production of -	Estab- lish- ments	Capital Invested	Em- ployees	Salaries and Wages	Cost of Materials Used	Total Production
	No.	\$	No.	\$	\$	\$
<u>1942</u>						
Under \$50,000	682	4,361,360	1,004	596,610	12,746,618	15,252,429
\$50,000 to \$99,999	171	2,004,493	422	370,404	9,737,958	11,545,587
\$100,000 to \$199,999	32	958,946	154	166,099	3,394,050	4,071,277
\$200,000 to over \$500,000	9	1,835,234	151	185,255	2,349,546	3,005,858
TOTAL	894	9,160,083	1,731	1,318,368	28,228,172	33,875,151
<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

THE FEED AND CHOPPING MILL INDUSTRY IN CANADA, 1943.

Table 6. - Employees, Salaries and Wages in Feed and Chopping Mills, 1942 and 1943.

Provinces	Employees on Salaries			Employees on Wages			Total Employees, Salaries and Wages		
	Male	Female	Total	Male	Female	Total	Male	Female	Salaries and Wages
	No.	No.	\$	No.	No.	\$	No.	No.	\$
<u>1942</u>									
CANADA	741	38	550,000	935	17	768,368	1,676	55	1,318,368
Prince Edward Island	4	-	456	-	-	-	4	-	456
Nova Scotia	3	-	880	13	1	13,248	16	1	14,128
New Brunswick ..	15	5	11,759	13	-	10,931	28	5	22,690
Quebec	95	3	53,503	85	1	58,862	180	4	112,365
Ontario	534	27	425,853	780	15	649,233	1,314	42	1,075,086
Manitoba	18	-	15,999	12	-	9,062	30	-	25,061
Saskatchewan ...	15	-	4,642	7	-	6,280	22	-	10,922
Alberta	53	2	34,718	20	-	15,583	73	2	50,301
British Columbia	4	1	2,190	5	-	5,169	9	1	7,359
<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	95,631	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

THE FEED AND CHOPPING MILL INDUSTRY IN CANADA, 1943.

Table 7. - Monthly Employment of Wage-earners, 1942 and 1943.

	In Feed and Chopping Mills			
	1 9 4 2		1 9 4 3	
	Male No.	Female No.	Male No.	Female No.
January	907	11	985	18
February	905	11	989	16
March	916	12	982	17
April	893	14	980	17
May	864	17	945	16
June	862	16	917	18
July	847	16	919	18
August	831	16	934	17
September	862	18	951	18
October	908	16	1,005	17
November	919	17	1,056	17
December	945	18	1,088	20
Average monthly employment ..	935	17	1,015	19

Table 8. - Number of Wage-earners in Month of Highest Employment with their Regular Hours of Work and Average Weekly Earnings, 1942 and 1943.

Number of Hours Worked per Week	Number of Employees				Number of Hours Worked per Week	Number of Employees			
	1 9 4 2		1 9 4 3			1 9 4 2		1 9 4 3	
	Male	Female	Male	Female		Male	Female	Male	Female
30 hours or less	104	7	100	7	51-54 hours .	216	3	287	2
31-43 hours	40	4	34	3	55 hours	49	1	75	1
44 hours	19	1	19	4	56-64 hours .	392	-	346	-
45-47 hours	11	1	41	-	65 hours and over	41	-	58	-
48 hours	117	1	136	3	Average hours per week	51.9	38.1	52.7	38.9
49-50 hours	45	1	87	1	Average week- ly earnings	\$18.19	\$8.79	\$20.35	\$9.06

THE FEED AND CHOPPING MILL INDUSTRY IN CANADA, 1943.

Table 9. - Power Equipment in Feed and Chopping Mills, 1942 and 1943.

Classes of Power		1 9 4 2		1 9 4 3	
		Number of Units	Rating of Horse-power Capacity	Number of Units	Rating of Horse-power Capacity
Steam engines and steam turbines	In use	7	255	10	477
	Idle	2	122	4	222
Diesel engines	In use	244	11,506	241	11,740
	Idle	12	615	14	659
Gasoline, gas and oil engines, other than diesel	In use	274	10,446	246	9,006
	Idle	25	709	26	735
Hydraulic turbines or water wheels	In use	313	12,219	350	13,160
	Idle	20	769	12	478
Electric motors operated by purchased power	In use	662	11,702	666	12,180
	Idle	25	474	22	389
TOTAL POWER USED IN MANUFACTURING		1,584	48,817	1,591	49,046
Electric motors operated by power generated by the establishment		7	128	8	123
Total Electric Motors ...		694	12,304	696	12,692
TOTAL POWER INSTALLATION.		1,591	48,945	1,599	49,169
Boilers	In use	9	485	9	505
	Idle	-	-	1	50
Motor generator sets	In use	1	32	7	252
	Idle	-	-	-	-

Table 10. - Consumption of Fuel and Electricity in Feed and Chopping Mills, 1942 and 1943.

Kinds of Fuel	Unit of Measure	1 9 4 2		1 9 4 3	
		Quantity	Total Cost at Mill	Quantity	Total Cost at Mill
Coal -	Ton		\$		\$
Bituminous	(2000 lb.)	2,188	22,094	2,313	23,790
Anthracite	"	416	5,596	357	4,691
Lignite	"	95	411	181	1,093
Coke	"	7	67	41	604
Gasoline	Imp. Gal.	361,614	103,420	369,872	107,246
Kerosene or coal oil	" "	6,782	984	10,932	1,630
Fuel or diesel oil	" "	747,797	87,822	778,797	91,710
Wood	Cord	2,332	6,448	908	5,449
Gas, manufactured and natural	M cu.ft.	30,147	17,367	27,331	15,874
Other fuel	-	-	2,213	-	1,712
TOTAL COST OF FUEL		-	246,422	-	253,749
Electricity purchased	K.W.H.	10,284,574	187,798	11,999,969	221,875
TOTAL COST OF FUEL AND ELECTRICITY		-	434,220	-	475,674



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