Published by Authority of the Hon. James A. MacKINNON, M.P.,
Minister of Trade and Commerce.

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

1941

OTTAWA
1943

Price 25 cents

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

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THE FLOUR AND FEED MILLING INDUSTRIES IN CANADA, 1941

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 1941 reveals an increase of 102 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 1927 to 1939 and by provinces for the years 1940 and 1941.

There was a considerable expansion in production in 1941. There were increases of $21,676,878 in the gross value of production, 313 in the number of persons employed, $796,962 in the amount of salaries and wages paid, and $7,771,139 in the capital employed. The production of flour amounting to 20,869,321 barrels represents an increase of 3,453,092 barrels or almost 20 per cent. There were also increases of 121,772 tons of chopped feed, and 75,164 tons of bran, shorts and middlings. The output of oatmeal and rolled oats, however, remained the same.

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 of this trade. The 285 flour mills, many of them of the most modern type and highest efficiency, have a capacity far in excess of 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 during the present war. Exports of wheat flour jumped accordingly over 3,000,000 barrels, from 3,911,886 in 1938 to 6,970,902 in 1940.

THE FLOUR AND FEED MILLING INDUSTRIES IN CANADA, 1941

Table 1. - Principal Statistics for the Years 1927 to 1941

Year	Establishments	Capital Invested	Employees	Salaries and Wages	Cost of Materials Used	Gross Value of Production
	No.	$	No.	$	$	$
1927	1,315	62,062,013	6,384	7,372,670	163,712,597	191,741,470
1928	1,319	63,514,575	6,556	7,606,674	165,032,821	195,698,124
1929	1,325	67,773,534	6,618	7,578,276	150,806,665	181,148,689
1930	1,277	62,617,007	5,923	6,679,113	119,677,686	144,855,948
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	59,054,505	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	5,698	6,515,496	75,435,165	101,776,429
1 9 4 0						
CANADA	1,027	52,170,492	6,215	7,101,367	96,294,284	122,494,759
Prince Edward Island	8	34,850	9	3,304	36,473	46,256
Nova Scotia	10	249,835	20	14,441	424,376	483,959
New Brunswick	19	442,365	82	62,179	1,157,688	1,296,846
Quebec	170	4,527,938	826	1,024,319	11,614,030	13,967,185
Ontario	622	24,654,154	3,337	3,708,811	55,870,044	70,145,829
Manitoba	39	4,869,481	527	592,713	6,556,872	8,171,001
Saskatchewan	59	10,091,555	613	783,235	11,697,294	16,362,898
Alberta	94	6,927,658	765	872,766	8,640,923	11,639,671
British Columbia ..	6	372,656	36	39,599	296,584	381,114
1 9 4 1						
CANADA	1,129	59,941,631	6,528	7,898,329	115,939,001	144,171,637
Prince Edward Island	9	45,310	12	4,616	61,656	75,169
Nova Scotia	11	215,852	19	14,335	371,736	420,529
New Brunswick	20	448,829	94	87,726	1,353,706	1,507,609
Quebec	184	6,549,214	888	1,205,582	13,019,259	15,927,640
Ontario	707	30,581,505	3,539	4,209,213	70,942,112	87,523,051
Manitoba	38	6,055,494	573	598,331	7,966,683	9,749,916
Saskatchewan	58	7,729,791	587	816,059	11,640,163	15,386,255
Alberta	97	8,193,155	793	943,855	10,487,035	13,438,890
British Columbia ..	5	122,481	23	18,612	96,651	142,598
1 9 4 1						
Flour mills	285	51,516,002	4,885	6,726,031	91,190,222	114,163,867
Feed and chopping mills	844	8,425,629	1,643	1,172,298	24,748,779	30,007,770
TOTAL	1,129	59,941,631	6,528	7,898,329	115,939,001	144,171,637

THE FLOUR AND FEED MILLING INDUSTRIES IN CANADA, 1941.

Production. - The total value of all products of the two industries in 1941 amounted to $144,171,637 of which wheat flour was accountable for $79,269,842. Next in order of importance was chopped grain feed with a total of $31,478,328 followed by shorts and middlings to the extent of $8,981,609. Bran takes fourth place with $7,046,003 whilst rolled oats occupies fifth position with a valuation of $5,994,088. The output of wheat flour of all grades in 1941 totalled 20,869,321 barrels valued at $3.80 per barrel. This respresents an increase of 3,453,092 in the number of barrels produced and a decrease of 4 cents in the selling price per barrel as compared with 1940.

Capital. - The capital employed in these industries represented an investment of $59,941,631 which was divided as follows: fixed capital - consisting of present value of land, buildings, fixtures, machinery, tools, etc.,- $30,947,302 and working capital which comprises inventory value of materials on hand, stocks in process, finished products on hand, etc., $20,198,602 and cash, bills and accounts receivable $8,795,727.

Employees, Salaries and Wages. - The administrative and clerical work in connection with the two industries required the services of 1,781 male and 335 female employees whose total salaries amounted to $2,869,326. The number of wage-earners employed was 4,284 male and 128 female which necessitated a payroll amounting to $5,029,003.

Cost of Materials. - The total cost of all materials in both industries, including containers, amounted to $115,939,001. Wheat of all types was by far the largest contributor to this sum with $70,862,807. Mixed grain for chopping takes second place with $20,664,119. The next largest item of expense was that of containers and container materials which accounted for $8,558,371 whilst oats occupy fourth position with a total cost of $7,835,353.

THE FLOUR AND FEED MILLING INDUSTRIES IN CANADA, 1941.

Table 2. - Quantity and Value of Principal Mill Products in Canada, 1929 and 1936 to 1941.

Products	Unit of Measure	Quantity	Selling Value at Mill	Average Value
			$	$
1929				
Wheat flour, all grades	Barrel	19,756,422	114,552,634	5.80
Oatmeal and rolled oats	"	830,099	6,902,869	8.32
Bran, shorts and middlings	Ton	713,744	19,918,668	27.91
Feed, chopped	"	848,698	30,927,336	36.44
1936				
Wheat flour, all grades	Barrel	14,932,400	65,999,686	4.42
Oatmeal and rolled oats	"	886,100	6,516,633	7.35
Bran, shorts and middlings	Ton	556,168	10,283,176	18.49
Feed, chopped	"	813,562	23,152,120	28.46
1937				
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
1938				
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
1939				
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
1940				
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
1941				
Wheat flour, all grades	Barrel	20,869,321	79,289,842	3.80
Oatmeal and rolled oats	Ton	95,932	6,236,204	65.32
Bran, shorts and middlings	"	721,292	16,027,612	22.22
Feed, chopped	"	1,068,061	31,478,328	29.47

THE FLOUR AND FEED MILLING INDUSTRIES IN CANADA, 1941.

Table 3. - Production in All Mills, by Classes, 1941.

Products		Merchant Grinding		Custom or Exchange Grinding		Total Selling Value At Mill
		Quantity	Value	Quantity	Value	
CANADA			$		$	$
Wheat flour -						
Spring No. 1 Patent ..	Bbl.	6,350,317	24,409,086	79,137	311,046	24,720,132
Spring No. 2 Patent ..	"	5,958,823	22,513,006	32,151	127,244	22,640,250
Spring Straight	"	6,079,420	22,899,044	91,147	364,875	23,263,919
Ontario Winter Straight	"	1,255,156	5,518,067	1,759	8,033	5,526,100
Low grade flour	"	472,388	1,358,760	1,813	5,797	1,364,557
Feed flour	"	214,112	611,563	1,617	4,485	616,048
All other	"	320,971	1,092,172	10,510	46,664	1,138,836
Flour and meal, other -						
Whole wheat and Graham flour	Lb.	9,872,137	195,079	26,441	1,968	197,047
Prepared or self-raising flour	"	2,368,051	158,498	43,004	1,329	159,827
Barley, flour and meal	"	14,597,418	220,579	1,600	48	220,627
Rye, flour and meal ..	"	8,540,770	153,676	3,100	68	153,744
Corn flour	"	6,750,772	230,497	-	-	230,497
Corn meal	"	34,861,504	828,679	1,767,328	36,504	865,183
Buckwheat flour	"	1,257,960	23,571	522,040	16,688	40,259
Pea meal	"	73,500	1,102	-	-	1,102
Breakfast foods -						
Prepared breakfast foods	Lb.	8,013,592	994,628	-	-	994,628
Oatmeal	Ton	4,551	268,966	85	3,150	272,116
Rolled oats	"	90,966	5,983,528	330	10,560	5,994,088
Rolled or flaked wheat	Lb.	3,155,960	80,953	7,000	230	81,183
Unprepared breakfast foods		3,925,125	309,742	138,516	4,106	313,848
Other products -						
Barley, pot and pearl	Lb.	5,331,854	135,271	-	-	135,271
Corn, cracked	"	28,172,666	503,598	593,628	12,282	515,880
Peas, split	"	1,221,318	62,467	-	-	62,467
Stock and poultry foods	Ton	124,794	5,071,960	1,637	68,876	5,140,836
Shorts and middlings .	"	390,179	8,383,167	4,381	98,442	8,381,609
Bran	"	321,117	6,944,664	5,115	101,339	7,046,003
Chopped grain feed ...	"	137,546	4,093,687	930,515	27,384,641	31,478,328
Alfalfa meal	"	7,230	149,782	287	5,870	155,652
Offal, not otherwise specified	"	108,394	1,700,021	383	11,295	1,711,316
All other products ...	-	-	150,178	-	106	150,284
TOTAL VALUE OF PRODUCTION IN ALL MILLS	-	-	115,545,991	-	28,625,646	144,171,637

THE FLOUR AND FEED MILLING INDUSTRIES IN CANADA, 1941.

Table 4. - Materials Used in All Mills, 1940 and 1941.

	Unit of Measure	CANADA Quantity	CANADA Cost Value at Mill
			$
1940			
Wheat	Bushel	80,219,151	60,302,178
Oats	"	16,957,555	6,753,114
Barley	"	3,458,254	1,697,962
Rye	"	301,116	186,073
Corn	"	2,639,194	2,083,557
Buckwheat	"	254,243	158,730
Peas	"	34,946	61,259
Mixed grains for chopping	"	38,362,036	15,956,196
Other grains	"	434,576	138,505
Cost of containers purchased	-	-	6,748,436
Cost of materials used in making containers	-	-	40,053
All other materials	-	-	2,168,221
TOTAL COST OF MATERIALS USED	-	-	96,294,284
1941			
Wheat	Bushel	95,151,654	70,862,807
Oats	"	17,590,966	7,835,353
Barley	"	4,279,670	2,396,368
Rye	"	375,945	228,331
Corn	"	2,235,264	2,147,072
Buckwheat	"	256,176	165,218
Peas	"	35,313	66,447
Mixed grains for chopping	"	42,032,841	20,664,119
Other grains	"	364,658	210,120
Cost of containers purchased	-	-	8,487,399
Cost of materials used in making containers	-	-	70,972
All other materials	-	-	2,304,795
TOTAL COST OF MATERIALS USED	-	-	115,939,001

THE FLOUR AND FEED MILLING INDUSTRIES IN CANADA, 1941.

Table 5. - Capital Invested in all Mills, 1926-39 and by Provinces, 1940 and 1941.

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.	
	$	$	$	$
1926	36,158,799	12,942,566	9,234,448	58,335,813
1927	37,740,387	14,391,882	9,929,744	62,062,013
1928	36,857,519	16,859,539	9,797,517	63,514,575
1929	37,777,963	19,440,788	10,554,783	67,773,534
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
1 9 4 0				
CANADA	27,346,254	18,381,555	6,442,683	52,170,492
Prince Edward Island	32,500	1,650	700	34,850
Nova Scotia	104,980	93,150	51,705	249,835
New Brunswick ...	190,688	103,724	147,953	442,365
Quebec	2,528,284	1,345,135	654,519	4,527,938
Ontario	15,516,444	6,434,444	2,703,266	24,654,154
Manitoba	2,387,731	2,137,736	344,014	4,869,481
Saskatchewan	3,193,487	5,250,760	1,647,308	10,091,555
Alberta	3,242,061	2,920,220	765,377	6,927,658
British Columbia.	150,079	94,736	127,841	372,656
1 9 4 1				
CANADA	30,947,302	20,198,602	8,795,727	59,941,631
Prince Edward Island	43,000	1,360	950	45,310
Nova Scotia	98,616	44,369	72,867	215,852
New Brunswick ...	183,669	120,428	144,732	448,829
Quebec	3,090,964	1,518,296	1,939,954	6,549,214
Ontario	18,378,281	8,935,190	3,268,034	30,581,505
Manitoba	2,532,279	3,085,640	437,575	6,055,494
Saskatchewan	3,077,508	2,946,708	1,705,575	7,729,791
Alberta	3,501,080	3,520,609	1,171,466	8,193,155
British Columbia..	41,905	26,002	54,574	122,481

THE FLOUR AND FEED MILLING INDUSTRIES IN CANADA, 1941.

Table 6. - Employees, Salaries and Wages in all Mills, by Provinces, 1940 and 1941.

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.	$
1940									
CANADA	1,692	289	2,676,492	4,095	139	4,424,875	5,787	428	7,101,367
Prince Edward Island	6	-	1,816	3	-	1,488	9	-	3,304
Nova Scotia .	5	-	2,494	15	-	11,947	20	-	14,441
New Brunswick	20	7	26,507	55	-	35,672	75	7	62,179
Quebec	289	32	522,279	504	1	502,040	793	33	1,024,319
Ontario	756	135	1,104,571	2,345	101	2,604,240	3,101	236	3,708,811
Manitoba	124	24	233,188	358	21	359,525	482	45	592,713
Saskatchewan.	220	45	363,727	335	13	419,508	555	58	783,235
Alberta	260	45	405,029	457	3	467,737	717	48	872,766
British Columbia ...	12	1	16,881	23	-	22,718	35	1	39,599
1941									
CANADA	1,781	335	2,869,326	4,284	128	5,029,003	6,065	463	7,898,329
Prince Edward Island	7	-	2,626	5	-	1,990	12	-	4,616
Nova Scotia .	5	-	2,290	14	-	12,045	19	-	14,335
New Brunswick	24	8	30,771	62	-	56,955	86	8	87,726
Quebec	314	46	620,996	527	1	584,586	841	47	1,205,582
Ontario	829	145	1,197,085	2,481	84	3,012,128	3,310	229	4,209,213
Manitoba	141	28	219,055	380	24	379,276	521	52	598,331
Saskatchewan.	197	50	367,506	326	14	448,553	523	64	816,059
Alberta	258	57	425,077	473	5	518,778	731	62	943,855
British Columbia ...	6	1	3,920	16	-	14,692	22	1	18,612

THE FLOUR AND FEED MILLING INDUSTRIES IN CANADA, 1941.

Table 7. - Power Equipment in all Mills, 1940 and 1941.

Classes of Power		1940 Number of Units	1940 Manufacturers' Rating of Horse-power Capacity	1941 Number of Units	1941 Manufacturers' Rating of Horse-power Capacity
Steam engines	In use	73	8,462	70	8,193
	Idle	7	419	7	480
Diesel engines	In use	220	10,688	277	13,706
	Idle	6	480	10	491
Gasoline, gas and oil engines other than diesel	In use	227	7,864	284	9,744
	Idle	31	928	31	770
Hydraulic turbines or water wheels	In use	484	24,944	487	25,642
	Idle	14	516	20	727
Electric motors operated by purchased power ..	In use	2,166	59,147	2,626	63,998
	Idle	128	6,009	137	5,754
TOTAL POWER USED IN MANUFACTURING		3,356	119,457	3,949	129,505
Electric motors operated by power generated by the establishment	In use	92	3,514	90	3,204
	Idle	-	-	-	-
Boilers	In use	104	10,143	102	9,921
	Idle	9	1,117	11	1,690

Table 8. - Fuel and Electricity Used in all Mills, 1940 and 1941

Kinds of Fuel	Unit of Measure	1940 Quantity	1940 Total Cost at Mill	1941 Quantity	1941 Total Cost at Mill
			$		$
Bituminous coal	Short ton	25,592	120,486	30,254	176,784
Anthracite coal	" "	559	6,676	521	6,540
Lignite coal	" "	15,412	45,523	16,830	51,638
Coke	" "	68	619	41	432
Gasoline	Imp.Gal.	314,119	74,606	472,056	128,464
Kerosene or coal oil .	" "	9,528	1,439	5,219	977
Fuel and diesel oil ..	" "	726,074	81,776	897,568	107,434
Wood	Cord	12,106	34,735	9,377	30,163
Gas, manufactured and natural	M cu. ft.	460,161	35,394	586,958	38,847
Other fuel	-	-	14,996	-	6,849
Electricity purchased.	K.W.H.	113,536,774	969,525	135,460,243	1,069,214
Electricity generated for sale	"	-	-	-	-
TOTAL COST OF FUEL AND ELECTRICITY	-	-	1,385,775	-	1,617,342

THE FLOUR MILLING INDUSTRY IN CANADA, 1941.

SECTION 2. - THE FLOUR MILLING INDUSTRY, 1941.

Table 1. - Principal Statistics of the Flour Mills in Canada for the Years, 1926-41.

Year	Establishments	Capital Invested	Employees	Salaries and Wages	Cost of Materials Used	Gross Value of Production
	No.	$	No.	$	$	$
1926	442	53,181,355	5,183	6,486,285	145,989,909	168,534,279
1927	431	56,366,699	5,148	6,558,309	143,255,728	167,597,325
1928	423	57,567,079	5,285	6,745,415	144,868,517	172,071,795
1929	409	61,215,205	5,308	6,714,960	130,437,426	157,274,329
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	65,378,317	81,955,937
1936	363	55,275,090	4,416	4,785,910	73,972,242	94,320,594
1937	335	49,317,744	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
1 9 4 0						
CANADA	279	44,374,387	4,724	6,102,744	77,489,397	99,157,327
Prince Edward Island	5	27,650	6	2,908	31,545	40,036
Nova Scotia and New Brunswick	7	27,714	12	5,556	31,599	77,831
Quebec	39	3,648,665	646	931,411	10,070,355	11,983,304
Ontario	102	13,013,360	2,233	2,938,675	41,178,587	51,848,212
Manitoba	31	4,796,969	510	578,023	6,473,491	8,050,440
Saskatchewan	47	10,064,932	596	778,069	11,601,029	16,242,262
Alberta	45	6,782,723	694	835,451	7,799,112	10,573,412
British Columbia ...	3	307,374	27	32,651	270,879	341,830
1 9 4 1						
CANADA	288	51,570,978	4,896	6,733,703	91,222,378	114,207,864
Prince Edward Island	6	38,010	8	4,225	55,636	67,769
Nova Scotia and New Brunswick	7	32,672	11	6,678	58,949	74,680
Quebec	45	5,710,118	694	1,089,894	11,341,347	13,808,391
Ontario	101	23,962,140	2,311	3,324,032	50,752,660	63,038,862
Manitoba	31	5,979,421	556	582,124	7,877,626	9,623,660
Saskatchewan	45	7,675,876	569	806,999	11,524,141	15,242,147
Alberta	48	8,050,260	724	901,139	9,515,368	12,209,757
British Columbia[1] ...	5	122,481	23	18,612	96,651	142,598

1. Includes feed mills.

THE FLOUR MILLING INDUSTRY IN CANADA, 1941.

Table 2. - Production in Flour Mills by Classes and the Provinces, 1941.

Products	Unit of Measure	Merchant Grinding		Custom or Exchange Grinding		Total Selling Value at Mill
		Quantity	Value	Quantity	Value	
			$		$	$
CANADA						
Wheat flour -						
Spring No. 1 Patent ...	Barrel	6,350,317	24,409,086	79,137	311,046	24,720,132
Spring No. 2 Patent ...	"	5,958,823	22,513,006	32,151	127,244	22,640,250
Spring Straight	"	6,079,420	22,899,044	91,147	364,875	23,263,919
Ontario Winter Straight	"	1,255,156	5,518,067	1,759	8,033	5,526,100
Low grade flour	"	472,388	1,558,760	1,813	5,797	1,364,557
Feed flour	"	214,112	611,563	1,617	4,485	616,048
All other	"	320,971	1,092,172	10,510	46,664	1,138,836
Flour and meal, other -						
Whole wheat and graham flour	Lb.	8,785,833	168,104	26,441	1,968	170,072
Prepared or self-raising flour	"	2,368,051	158,498	43,004	1,329	159,827
Barley, flour and meal	"	2,731,718	42,281	1,600	48	42,329
Rye, flour and meal ..	"	8,065,542	144,546	2,300	52	144,598
Corn flour	"	4,157,846	142,360	-	-	142,360
Corn meal	"	16,737,986	434,189	5,300	129	434,318
Buckwheat flour	"	431,560	12,386	237,824	7,634	20,020
Breakfast foods -						
Prepared breakfast foods	Lb.	6,902,541	963,073	-	-	963,073
Oatmeal	Ton	4,195	256,560	85	3,150	259,710
Rolled oats	"	86,301	5,755,845	-	-	5,755,845
Rolled or flaked wheat.	Lb.	1,732,810	45,159	7,000	230	45,389
Unprepared breakfast foods	"	7,958,655	270,403	118,516	4,106	274,509
Other products -						
Barley, pot and pearl .	Lb.	3,903,124	104,492	-	-	104,492
Corn, cracked	"	8,386,315	165,340	10,000	240	165,580
Stock and poultry foods	Ton	71,980	2,877,667	57	2,175	2,879,842
Shorts and middlings ..	"	389,889	8,872,567	4,881	98,442	8,971,009
Bran	"	321,117	6,944,664	5,115	101,339	7,046,003
Chopped grain feed ...	"	55,060	1,576,875	144,772	4,020,198	5,597,073
Alfalfa meal	"	2,307	50,330	100	2,120	52,450
Offal, not otherwise specified	"	94,732	1,525,001	179	4,520	1,529,521
All other products ...	-	-	135,899	-	106	136,005
TOTAL	-	-	109,047,937	-	5,115,930	114,163,867

THE FLOUR MILLING INDUSTRY IN CANADA, 1941

Table 2. - Production in Flour Mills by Classes and the Provinces, 1941 - Continued.

Products	Unit of Measure	Merchant Grinding		Custom or Exchange Grinding		Total Selling Value at Mill
		Quantity	Value	Quantity	Value	
			$		$	$
PRINCE EDWARD ISLAND						
Wheat flour -						
Spring No. 1 Patent ..	Barrel	60	270	1,226	5,517	5,787
Spring Straight	"	-	-	2,944	14,187	14,187
Low grade	"	-	-	67	309	309
All other	"	-	-	356	1,750	1,750
Flour and meal, other -						
Whole wheat and graham flour	Lb.	90,000	2,250	-	-	2,250
Breakfast foods -						
Oatmeal	Ton	9	630	-	-	630
Unprepared breakfast foods	Lb.	-	-	-	-	-
Other products -						
Shorts and middlings .	Ton	1	28	88	2,607	2,635
Bran	"	2	52	142	3,924	3,976
Chopped grain feed ...	"	8	230	1,139	36,015	36,245
Offal, not otherwise specified	"	-	-	-	-	-
All other products ...	-	-	-	-	-	-
TOTAL	-	-	3,460	-	64,309	67,769
NOVA SCOTIA AND NEW BRUNSWICK						
Wheat flour -						
Spring No. 1 Patent ..	Barrel	-	-	225	1,355	1,355
Spring No. 2 Patent ..	"	-	-	991	6,227	6,227
Spring Straight	"	-	-	1,573	5,172	5,172
Low grade	"	-	-	-	-	-
All other	"	-	-	144	580	580
Flour and meal, other -						
Barley, flour and meal	Lb.	-	-	1,600	48	48
Buckwheat flour	"	-	-	237,824	7,634	7,634
Breakfast foods -						
Oatmeal	Ton	-	-	10	750	750
Other products -						
Shorts and middlings .	Ton	-	-	61	1,734	1,734
Bran	Ton	-	-	95	2,668	2,668
Chopped grain feed ...	"	-	-	1,534	44,672	44,672
Offal, not otherwise specified	"	-	-	153	3,840	3,840
All other products ..	-	-	-	-	-	-
TOTAL.....	-	-	-	-	74,680	74,680

THE FLOUR MILLING INDUSTRY IN CANADA, 1941

Table 2. Production in Flour Mills by Classes and Provinces, 1941 - 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	1,980,685	4,371,652	12,376	61,744	4,433,396
Spring No. 2 Patent....	"	337,990	1,382,795	2,200	11,000	1,393,795
Spring Straight	"	1,029,633	4,046,408	-	-	4,046,408
Ontario Winter Straight	"	1,878	8,507	-	-	8,507
Low grade	"	46,391	186,069	4	18	186,087
Feed flour	"	84,184	282,705	-	-	282,705
All other	"	50,767	187,795	-	-	187,795
Flour and meal, other -						
Barley, flour and meal.	Lb.	190,000	2,850	-	-	2,850
Corn flour	"	488,530	34,893	-	-	34,893
Corn meal	"	239,610	10,306	5,000	120	10,426
Buckwheat flour	"	212,200	6,365	-	-	6,365
Wheat meal	"	60,000	900	-	-	900
Breakfast foods -						
Prepared breakfast foods	Lb.	277,902	43,538	-	-	43,538
Oatmeal	Ton	90	2,880	75	2,400	5,280
Other products -						
Barley, pot and pearl .	Lb.	192,282	10,082	-	-	10,082
Corn cracked	"	145,628	2,972	10,000	240	3,212
Stock and poultry foods	Ton	-	-	-	-	-
Shorts and middlings ..	"	44,390	1,124,233	277	8,307	1,132,540
Bran	"	39,844	939,028	265	7,506	946,534
Chopped grain feed	"	10,215	312,100	19,694	640,669	952,769
Alfalfa meal	"	-	-	50	1,070	1,070
Offal, not otherwise specified	"	6,325	118,609	21	630	119,239
TOTAL	-	-	13,074,687	-	733,704	13,808,391
ONTARIO						
Wheat flour -						
Spring No. 1 Patent ...	Barrel	1,519,719	6,206,458	20	100	6,206,558
Spring No. 2 Patent ...	"	3,738,730	14,343,762	-	-	14,343,762
Spring Straight	"	3,618,841	13,875,587	321	1,466	13,877,053
Ontario Winter Straight	"	1,253,278	5,509,560	1,759	8,033	5,517,593
Low grade	"	297,613	849,393	-	-	849,393
Feed flour	"	27,648	79,935	55	177	80,112
All other	"	179,114	596,868	404	1,640	598,508
Flour and meal, other -						
Whole wheat and Graham flour	Lb.	4,400,897	84,854	-	-	84,854
Prepared or self-raising flour	"	2,323,817	156,781	-	-	156,781
Barley, flour and meal.	"	2,488,418	38,997	-	-	38,997
Rye, flour and meal ...	"	7,751,712	139,407	200	10	139,417
Corn flour	"	3,669,316	107,467	-	-	107,467

THE FLOUR MILLING INDUSTRY IN CANADA, 1941

Table 2. - Production in Flour Mills by Classes and Provinces, 1941 - 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 meal	Lb.	16,446,276	422,685	300	9	422,694
Buckwheat flour	"	219,360	6,021	-	-	6,021
Breakfast foods -						
Prepared breakfast foods	Lb.	6,235,099	877,936	-	-	877,936
Oatmeal	Ton	1,191	97,000	-	-	97,000
Rolled Oats	"	42,762	3,291,096	-	-	3,291,096
Rolled or flaked wheat	Lb.	1,264,770	31,759	-	-	31,759
Unprepared breakfast foods	"	4,734,349	111,453	300	15	111,468
Other products -						
Barley, pot and pearl	Lb.	1,638,364	42,434	-	-	42,434
Corn, cracked	"	8,810,387	161,671	-	-	161,671
Stock and poultry foods	Ton	59,794	2,414,060	-	-	2,414,060
Shorts and middlings	"	[illegible],202,143	4,980,046	60	1,740	4,981,786
Bran	"	165,224	3,924,174	58	1,599	3,925,773
Chopped grain feed	"	30,356	928,991	104,942	2,860,906	3,789,897
Alfalfa meal	"	2,107	46,130	-	-	46,130
Offal, not otherwise specified	"	34,280	711,879	-	-	711,879
All other products	-	-	126,763	-	-	126,763
TOTAL	-	[illegible]	60,163,167	-	2,875,695	63,038,862
MANITOBA						
Wheat flour -						
Spring No. 1 Patent	Barrel	218,673	882,064	19,418	77,672	959,736
Spring No. 2 Patent	"	930,581	3,355,285	8,838	33,970	3,389,255
Spring Straight	"	640,953	2,213,105	16,884	63,165	2,276,270
Low grade	"	30,406	82,898	-	-	82,898
Feed flour	"	60,238	150,116	178	383	150,499
All other	"	26,188	100,466	8,585	38,676	139,142
Flour and meal, other -						
Whole wheat and Graham flour	Lb.	1,069,634	19,904	1,260	25	19,929
Rye flour	"	277,639	4,070	-	-	4,070
Breakfast foods -						
Oatmeal	Ton	1,270	69,530	-	-	69,530
Rolled oats	"	11,758	643,331	-	-	643,331
Rolled or flaked wheat	Lb.	287,100	7,998	1,000	40	8,038
Unprepared breakfast foods	"	242,873	16,488	15,328	369	16,857

THE FLOUR MILLING INDUSTRY IN CANADA, 1941

Table 2. - Production in Flour Mills by Classes and Provinces, 1941 - 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.	1,230,880	25,859	-	-	25,859
Stock and poultry foods	Ton	9,319	307,798	-	-	307,798
Shorts and middlings ..	"	33,233	660,182	1,275	26,719	686,901
Bran	"	28,163	503,600	1,484	30,266	533,866
Chopped grain feed	"	5,096	105,304	4,247	103,441	208,745
Offal, not otherwise specified	"	9,733	99,118	-	-	99,118
All other products	-	-	1,912	-	6	1,918
TOTAL	-	-	9,248,928	-	374,732	9,623,660
SASKATCHEWAN						
Wheat flour -						
Spring No. 1 Patent ...	Barrel	2,505,216	9,166,911	23,610	73,892	9,240,803
Spring No. 2 Patent ...	"	104,265	407,370	17,459	64,275	471,645
Spring Straight	"	208,930	820,427	42,155	166,314	986,741
Low grade	"	16,481	50,435	1,010	3,389	53,824
Feed flour	"	3,818	10,409	492	1,588	11,997
All other	"	15,513	57,880	1,021	4,018	61,898
Flour and meal, other -						
Whole wheat and Graham flour	Lb.	117,612	2,706	13,684	274	2,980
Prepared or self-raising flour	"	3,590	251	-	-	251
Rye flour	"	15,960	268	2,100	42	310
Breakfast foods -						
Prepared breakfast foods	Lb.	258,175	18,955	-	-	18,955
Oatmeal	Ton	1,345	71,801	-	-	71,801
Rolled oats	"	23,647	1,408,863	-	-	1,408,863
Rolled or flaked wheat.	Lb.	178,140	5,328	1,000	40	5,368
Unprepared breakfast foods	"	148,948	4,981	35,128	831	5,812
Other products -						
Barley, pot and pearl .	Lb	793,016	24,133	-	-	24,133
Stock and poultry foods	Ton	3	100	7	175	275
Shorts and middlings ..	"	65,040	1,275,928	2,147	38,256	1,314,184
Bran	"	49,239	878,322	1,817	31,416	909,738
Chopped grain feed	"	2,679	62,765	5,390	81,816	144,581
Offal, not otherwise specified	"	35,576	507,544	-	-	507,544
All other products		-	444	-	-	444
TOTAL	-	-	14,775,821	-	466,326	15,242,147

THE FLOUR MILLING INDUSTRY IN CANADA, 1941

Table 2. - Production of Flour Mills by Classes and the Provinces, 1941 - Continued

Products	Unit of Measure	Merchant Grinding		Custom or Exchange Grinding		Total Selling Value at Mill
		Quantity	Value	Quantity	Value	
			$		$	$
ALBERTA						
Wheat flour -						
Spring No. 1 Patent ...	Barrel	1,025,964	3,781,731	22,262	90,766	3,872,497
Spring No. 2 Patent ...	"	846,977	3,022,114	2,513	10,872	3,032,986
Spring Straight	"	580,064	1,938,343	27,243	114,466	2,052,809
Low grade	"	81,467	189,845	702	2,081	191,926
Feed flour	"	38,224	88,398	892	2,337	90,735
All other	"	49,389	149,163	-	-	149,163
Flour and meal, other -						
Whole wheat and Graham flour	Lb.	3,031,052	56,284	11,497	1,669	57,953
Prepared or self - raising flour	"	40,644	1,466	45,004	1,329	2,795
Rye flour	"	20,231	801	-	-	801
Barley, flour and meal.	"	53,300	434	-	-	434
Corn meal	"	52,100	1,198	-	-	1,198
Breakfast foods -						
Prepared breakfast foods	Lb.	100,365	21,816	-	-	21,816
Oatmeal	Ton	290	14,719	-	-	14,719
Rolled oats	"	8,134	412,555	-	-	412,555
Rolled or flaked wheat	Lb.	2,800	74	5,000	150	224
Unprepared breakfast foods	"	2,624,711	133,581	67,760	2,891	136,472
Other products -						
Barley, pot and pearl..	Lb.	48,582	1,984	-	-	1,984
Corn, cracked	"	30,300	697	-	-	697
Stock and poultry foods	Ton	2,564	142,174	-	-	142,174
Shorts and middlings ..	"	45,046	831,283	988	18,987	850,270
Bran	"	40,605	698,578	1,248	23,828	722,406
Chopped grain feed	"	5,615	133,895	8,904	224,947	358,842
Offal, not otherwise specified	"	8,818	87,851	5	50	87,901
All other products	-	-	6,300	-	100	6,400
TOTAL	-	-	11,715,284	-	494,473	12,209,757
BRITISH COLUMBIA /1						
Wheat flour -						
Spring No. 1 Patent ...	Barrel	-	-	-	-	-
Spring No. 2 Patent ...	"	280	1,680	150	900	2,580
Spring Straight	"	989	5,174	21	105	5,279
Low grade	"	30	120	-	-	120
Feed flour	"	-	-	-	-	-
All other	"	-	-	-	-	-
Flour and meal, other -						
Whole wheat and graham flour	Lb.	825,638	22,246	-	-	22,246
Rye, flour	"	200,000	4,000	-	-	4,000

THE FLOUR MILLING INDUSTRY IN CANADA, 1941

Table 2. - Production of Flour Mills by Classes and the Provinces, 1941 - Concluded

Products	Unit of Measure	Merchant Grinding		Custom or Exchange Grinding		Total Selling Value at Mill
		Quantity	Value	Quantity	Value	
BRITISH COLUMBIA/1- Con.			$		$	$
Breakfast foods -						
Prepared breakfast foods	Lb.	4,000	828	-	-	828
Unprepared breakfast foods	"	97,774	3,000	-	-	3,000
Other products -						
Stock and poultry foods.	Ton	300	13,535	50	2,000	15,535
Shorts and middlings ...	"	36	867	4	92	959
Bran	"	40	910	6	132	1,042
Chopped grain feed	"	1,468	45,811	1,112	35,368	81,179
Alfalfa meal	"	200	4,200	50	1,050	5,250
All other products	-	-	580	-	-	580
TOTAL	-	-	102,951	-	39,647	142,598

Table 3. - Materials Used in Flour Mills, by Provinces, 1941

Materials	Unit of Measure	CANADA		Prince Edward Island	
		Quantity	Value	Quantity	Value
			$		$
Wheat	Bushel	94,327,948	70,239,811	26,636	24,965
Oats	"	12,578,554	5,709,366	48,427	22,012
Barley	"	1,907,222	1,032,060	400	240
Rye	"	269,333	165,871	-	-
Corn	"	1,279,203	1,128,767	-	-
Buckwheat	"	100,127	65,357	-	-
Peas	"	3,704	6,753	-	-
Mixed grain for chopping	"	6,434,385	2,987,817	19,810	7,969
Other grains	"	132,267	108,648	-	-
All other materials	-	-	1,430,199	-	150
Cost of containers purchased ..	-	-	8,309,535	-	300
Cost of materials used in making containers	-	-	6,038	-	-
TOTAL	-	-	91,190,222	-	55,636

		Nova Scotia and New Brunswick		Quebec	
		Quantity	Value	Quantity	Value
			$		$
Wheat	Bushel	14,817	15,259	11,626,681	9,576,066
Oats	"	12,739	9,989	386,783	185,776
Barley	"	3,143	1,900	530,864	339,327
Rye	"	-	-	2,650	3,124
Corn	"	-	-	30,833	24,061
Buckwheat	"	11,081	7,153	59,757	39,192
Peas	"	-	-	695	735
Mixed grain for chopping	"	49,501	24,648	487,726	293,926
Other grains	"	-	-	51,340	70,040
All other materials	-	-	-	-	3,952
Cost of containers purchased .	-	-	-	-	803,141
Cost of materials used in making containers	-	-	-	-	3,007
TOTAL	-	-	58,949	-	11,341,347

1. Includes feed mills.

THE FLOUR MILLING INDUSTRY IN CANADA, 1941

Table 3. - Materials Used in Flour Mills, by Provinces, 1941 - Concluded

Kind	Unit of Measure	Ontario		Manitoba		Saskatchewan	
		Quantity	Value	Quantity	Value	Quantity	Value
			$		$		$
Wheat	Bushel	48,071,893	38,045,776	8,665,214	6,174,203	13,949,476	8,677,822
Oats	"	6,249,691	3,163,263	1,449,160	542,164	3,236,766	1,371,099
Barley	"	828,792	492,114	254,239	115,551	83,055	38,082
Rye	"	249,389	156,076	9,943	4,242	1,811	872
Corn	"	1,206,851	1,074,627	38,107	26,466	-	-
Buckwheat	"	27,331	17,471	1,958	1,541	-	-
Peas	"	3,009	6,018	-	-	-	-
Mixed grain for chopping	"	5,171,830	2,370,566	188,629	78,220	119,746	45,950
Other grains	"	49,436	28,080	59,968	8,924	2,130	865
All other materials ...	-	-	1,158,194	-	102,188	-	7,533
Cost of containers purchased	-	-	4,239,135	-	824,031	-	1,381,718
Cost of materials used in making containers .	-	-	1,340	-	96	-	200
TOTAL	-	-	50,752,660	-	7,877,626	-	11,524,141

Kind	Unit of Measure	Alberta		British Columbia/1	
		Quantity	Value	Quantity	Value
			$		$
Wheat	Bushel	11,940,162	7,704,559	47,792	35,398
Oats	"	1,144,941	397,519	65,228	27,175
Barley	"	83,207	33,556	29,984	15,043
Rye	"	5,540	2,557	4,000	3,000
Corn	"	3,412	3,613	641	679
Buckwheat	"	-	-	-	-
Peas	"	-	-	-	-
Mixed grain for chopping	"	396,463	166,066	1,180	472
Other grains	"	393	739	-	-
All other materials ...	-	-	148,766	-	9,416
Cost of containers purchased	-	-	1,056,598	-	5,468
Cost of materials used in making containers	-	-	1,395	-	-
TOTAL	-	-	9,515,368	-	96,651

1. Includes feed mills.

THE FLOUR MILLING INDUSTRY IN CANADA, 1941

Table 4. - Capital Invested in Flour Mills, for the years, 1932 - 41

Year	Fixed Capital	Working 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.	Total Capital
	$	$	$	$
1932	31,359,420	10,638,336	10,419,583	52,417,339
1933	27,636,312	15,049,400	9,304,720	51,989,432
1934	25,548,362	17,643,149	9,300,169	52,491,680
1935	25,228,104	15,702,433	9,347,584	50,276,121
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
1 9 4 0				
CANADA	21,979,837	17,346,908	5,347,642	44,674,337
Prince Edward Island.	25,500	1,650	500	27,650
Nova Scotia and New Brunswick	25,300	1,614	800	27,714
Quebec	1,739,322	1,292,547	566,796	3,648,665
Ontario	11,361,000	5,680,047	1,977,313	19,018,360
Manitoba	2,351,011	2,126,001	319,957	4,796,969
Saskatchewan	3,177,823	5,246,725	1,640,384	10,064,932
Alberta	3,119,021	2,911,503	752,199	6,782,723
British Columbia	130,860	86,821	89,693	307,374
1 9 4 1				
CANADA	25,056,978	18,902,695	7,611,305	51,570,978
Prince Edward Island.	36,000	1,360	650	38,010
Nova Scotia and New Brunswick	27,300	4,872	-	32,672
Quebec	2,459,259	1,422,598	1,828,261	5,710,118
Ontario	13,577,530	7,925,983	2,458,627	23,962,140
Manitoba	2,494,139	3,072,876	412,406	5,979,421
Saskatchewan	3,036,641	2,939,736	1,699,499	7,675,876
Alberta	3,383,704	3,509,268	1,157,288	8,050,260
British Columbia/1	41,905	26,002	54,574	122,481

1. Includes feed mills.

THE FLOUR MILLING INDUSTRY IN CANADA, 1941

Table 5. - Size of Establishments, 1940 and 1941

Establishments having a production of --	Establishments	Capital Invested	Employees	Salaries and Wages	Cost of Materials Used	Total Production
	No.	$	No.	$	$	$
1940						
Under $50,000	187	3,055,240	490	415,754	2,424,118	3,313,433
$50,000 to $100,000	38	1,266,732	224	217,215	1,957,275	2,578,478
$100,000 to $200,000	17	1,143,229	169	162,353	1,713,972	2,316,512
$200,000 to $500,000	11	1,447,350	167	245,695	2,763,873	3,240,369
$500,000 to $1,000,000	9	1,851,870	304	405,650	5,161,220	6,347,092
$1,000,000 to $5,000,000	13	16,301,553	1,557	2,107,827	24,438,093	31,199,829
$5,000,000 and over	6	19,608,410	1,813	2,548,250	39,030,846	50,161,514
TOTAL.....	279	44,674,387	4,724	6,102,744	77,483,397	99,157,327
1941						
Under $50,000	192	3,810,640	550	520,496	3,283,523	4,371,596
$50,000 to $100,000	34	1,095,313	180	179,367	1,897,230	2,435,655
$100,000 to $200,000	15	820,690	142	145,218	1,710,260	2,175,682
$200,000 to $500,000	14	1,568,421	210	265,224	3,615,464	4,287,016
$500,000 to $1,000,000	8	1,314,068	203	307,061	4,025,457	4,856,873
$1,000,000 to $5,000,000	16	22,640,593	1,664	2,300,660	33,143,263	41,897,503
$5,000,000 and over	6	20,266,277	1,936	3,007,995	43,514,325	54,139,542
TOTAL	285	51,516,002	4,885	6,726,031	91,190,222	114,163,867

THE FLOUR MILLING INDUSTRY IN CANADA, 1941

Table 6a. - Daily Capacity of Flour Mills, 1940 and 1941

Capacity of Mills per day of 24 hours -	Number of Mills	Total Capacity of the Mills in each group	Average per establishment	Per cent of Total	Number of barrels produced during the year	Average per establishment	Per cent of Total
		Barrels	Barrels		Barrels	Barrels	
1 9 4 0							
Under 100 barrels	174	7,323	42	7.6	251,963	1,448	1.3
100 to 199 barrels	62	7,600	122	7.8	644,345	10,393	3.7
200 to 299 barrels	11	2,510	228	2.6	306,557	27,869	1.8
300 to 499 barrels	5	1,975	395	2.0	536,233	107,247	3.1
500 to 999 barrels	9	6,460	718	6.7	1,185,018	131,669	6.8
1,000 to 2,999 barrels ...	10	19,450	1,945	20.1	4,516,922	451,692	26.0
3,000 to 4,999 barrels ...	3	11,250	3,750	11.6	2,663,555	887,852	15.3
5,000 barrels and over ...	5	40,300	8,060	41.6	7,311,638	1,462,328	42.0
TOTAL AND AVERAGE	279	96,868	347	100.0	17,416,229	62,424	100.0
1 9 4 1							
Under 100 barrels	179	7,677	43	7.8	279,980	1,564	1.3
100 to 199 barrels	61	7,539	123	7.6	619,262	10,151	3.0
200 to 299 barrels	13	2,933	227	3.0	415,553	31,966	2.0
300 to 499 barrels	5	1,945	389	2.0	575,899	115,180	2.8
500 to 999 barrels	8	5,845	730	5.9	1,256,409	157,051	6.0
1,000 to 2,999 barrels ...	11	22,050	2,004	22.3	6,091,355	553,760	29.2
3,000 to 4,999 barrels ...	3	10,250	3,417	10.4	2,965,775	988,592	14.2
5,000 barrels and over ...	5	40,500	8,100	41.0	8,665,088	1,733,018	41.5
TOTAL AND AVERAGE	285	98,739	346	100.0	20,869,321	73,226	100.0

THE FLOUR MILLING INDUSTRY IN CANADA, 1941

Table 6b. - Equipment and Capacity of Flour Mills, 1941

Province	Establishments	Pairs of Rolls	Pairs of Stones	Estimated Maximum Capacity per day
	No.	No.	No.	Bbl.
Prince Edward Island ..... and Nova Scotia	6) 3)	40	9	378
New Brunswick	4	18	-	275
Quebec	45	380	56	11,322
Ontario	101	1,798	36	50,684
Manitoba	31	504	5	10,246
Saskatchewan	45	547	12	13,317
Alberta	48	634	-	12,443
British Columbia	2	12	-	74
CANADA	285	3,933	118	98,739

THE FLOUR MILLING INDUSTRY IN CANADA, 1941

Table 7. - Employees, Salaries and Wages in Flour Mills, 1940 and 1941

	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.	$
1940									
CANADA	1,094	260	2,241,006	3,240	130	3,861,738	4,334	390	6,102,744
Prince Edward Island	3	-	1,420	3	-	1,488	6	-	2,908
Nova Scotia & New Brunswick	6	-	2,470	6	-	3,086	12	-	5,556
Quebec	198	31	477,725	416	1	453,686	614	32	931,411
Ontario	342	117	786,020	1,681	93	2,152,655	2,023	210	2,938,675
Manitoba	114	24	222,528	351	21	355,495	465	45	578,023
Saskatchewan ..	210	45	360,487	328	13	417,582	538	58	778,069
Alberta	212	43	375,911	437	2	459,540	649	45	835,451
British Columbia	9	-	14,445	18	-	18,206	27	-	32,651
1941									
CANADA	1,102	304	2,373,583	3,367	116	4,360,120	4,476	420	6,733,703
Prince Edward Island	4	-	2,310	4	-	1,915	8	-	4,225
Nova Scotia & New Brunswick	7	-	3,598	4	-	3,080	11	-	6,678
Quebec	201	45	555,825	447	1	534,069	648	46	1,089,894
Ontario	360	126	842,849	1,753	72	2,481,183	2,113	198	3,324,032
Manitoba	134	28	209,487	370	24	373,637	504	52	582.124
Saskatchewan ..	186	49	362,253	320	14	444,746	506	63	806,999
Alberta	211	55	394,341	453	5	506,798	664	60	901,139
British Columbia/1 ...	6	1	3,920	16	-	14,692	22	1	18,612

1. Includes feed mills.

THE FLOUR MILLING INDUSTRY IN CANADA, 1941

Table 8. - Monthly Employment of Wage-earners, 1940 and 1941

Months	In Flour Mills			
	1940		1941	
	Male	Female	Male	Female
	No.	No.	No.	No.
January	3,226	160	3,155	93
February	3,122	129	3,124	109
March	3,066	120	3,176	96
April	3,157	120	3,216	110
May	3,199	124	3,335	102
June	3,158	129	3,365	95
July	3,204	130	3,484	111
August	3,154	161	3,329	123
September	3,391	144	3,526	155
October	3,462	126	3,514	144
November	3,409	123	3,515	136
December	3,137	93	3,416	105
Average monthly employment	3,240	130	3,360	116

Table 9. - Number of Wage-earners in Month of Highest Employment with their Regular Hours of Work and Average Weekly Earnings, 1940 and 1941

Number of Hours Worked per week	Number of Employees				Number of Hours Worked per week	Number of Employees			
	1940		1941			1940		1941	
	Male	Female	Male	Female		Male	Female	Male	Female
30 hours or less	130	5	102	12	51 - 54 hours	324	2	360	28
31 - 43 hours	217	46	100	5	55 hours	111	1	42	-
44 hours	82	41	58	10	56 - 64 hours	1,052	-	1,109	14
45 - 47 hours	61	1	32	5	65 hours and over	392	-	375	-
48 hours	1,238	51	1,454	73	Average hours per week	53.0	42.9	53.3	47.6
49 - 50 hours	83	-	109	15	Average weekly earnings	$23.81	12.46	25.76	13.73

The above table does not include overtime.

THE FLOUR MILLING INDUSTRY IN CANADA, 1941

Table 10. - Power Equipment in Flour Mills, 1940 and 1941

Classes of Power		1940 Number of Units	1940 Manufacturers' Rating of Horse-power Capacity	1941 Number of Units	1941 Manufacturers' Rating of Horse-power Capacity
Steam engines and steam turbines	In use	57	7,607	55	7,443
	Idle	4	280	4	210
Diesel engines	In use	54	2,768	65	3,405
	Idle	-	-	1	9
Gasoline, gas and oil engines other than diesel	In use	37	915	47	1,161
	Idle	12	360	8	191
Hydraulic turbines or water wheels	In use	175	13,399	170	13,570
	Idle	2	65	3	78
Electric motors operated by purchased power ...	In use	1,679	49,226	2,031	53,007
	Idle	105	4,564	116	4,379
TOTAL POWER USED IN MANUFACTURING		2,125	79,184	2,500	83,553
Electric motors operated by power generated by the establishment	In use	88	3,406	85	3,092
	Idle	-	-	-	-
Boilers	In use	86	9,088	86	8,956
	Idle	6	1,065	10	1,390

Table 11. - Consumption of Fuel and Electricity, 1940 and 1941

Kinds of Fuel	Unit of Measure	1940 Quantity	1940 Cost Value	1941 Quantity	1941 Cost Value
			$		$
Coal -	Ton				
Bituminous	(2000 lb.)	24,136	110,096	27,953	161,804
Anthracite	"	85	1,026	100	1,380
Lignite	"	15,318	45,215	16,729	51,293
Coke	"	54	429	23	223
Gasoline	Imp.Gal.	109,237	28,364	155,040	45,444
Fuel oil	" "	198,431	25,388	236,936	32,810
Wood	Cord	10,769	30,315	8,403	26,395
Gas, manufactured and natural	M cu.ft.	428,800	22,633	561,821	24,935
All other fuel	-	-	9,665	-	6,052
TOTAL COST OF FUEL	-	-	273,136	-	350,336
Electricity purchased..	K.W.H.	104,805,026	812,605	125,740,689	894,374
TOTAL COST OF FUEL AND ELECTRICITY	-	-	1,085,741	-	1,244,710

THE FEED AND CHOPPING MILL INDUSTRY IN CANADA, 1941

SECTION 3. - FEED AND CHOPPING MILLS IN CANADA, 1941

Table 1. - Principal Statistics of the Feed and Chopping Mill Industries in Canada, for the Years, 1926 - 1941

Year	Establishments	Capital Invested	Employees	Salaries and Wages	Cost of Materials Used	Gross Value of Production
	No.	$	No.	$	$	$
1926	849	5,154,458	1,160	736,179	17,915,541	21,046,462
1927	884	5,695,314	1,236	814,361	20,456,869	24,144,145
1928	894	5,947,496	1,271	861,259	20,164,304	23,626,329
1929	916	6,558,329	1,310	863,316	20,369,239	23,874,360
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
1 9 4 0						
CANADA	748	7,496,105	1,491	998,623	18,804,387	23,337,432
Prince Edward Island	3	7,200	3	396	4,928	6,220
Nova Scotia	7	244,535	16	13,591	416,075	474,380
New Brunswick	15	419,951	74	57,473	1,104,590	1,228,594
Quebec	131	879,273	180	92,908	1,543,675	1,983,881
Ontario	520	5,635,794	1,104	770,136	14,691,457	18,297,617
Manitoba	8	72,512	17	14,690	80,331	120,561
Saskatchewan	12	26,623	17	5,166	96,265	120,636
Alberta	49	144,935	71	37,315	841,811	1,066,259
British Columbia ...	3	65,282	9	6,948	25,705	39,284
1 9 4 1						
CANADA	844	8,425,629	1,643	1,172,298	24,748,779	30,007,770
Prince Edward Island	3	7,300	4	391	6,020	7,400
Nova Scotia	8	211,052	16	13,195	360,290	406,891
New Brunswick	16	420,957	86	82,188	1,306,203	1,446,567
Quebec	139	839,096	194	115,688	1,677,912	2,119,249
Ontario	606	6,619,335	1,228	885,181	20,189,452	24,484,189
Manitoba	7	76,073	17	16,207	89,057	126,256
Saskatchewan	13	53,915	18	9,060	116,022	144,088
Alberta	49	142,895	69	42,716	971,667	1,229,133
British Columbia ...	3	54,976	11	7,672	32,156	43,997

THE FEED AND CHOPPING MILL INDUSTRY IN CANADA, 1941

Table 2. - Production in Feed and Chopping Mills by Classes, Quantity and Value for Canada and the Provinces, 1940 and 1941

Provinces	Chopped Grain Feed		Other Products	Total
	Quantity	Value	Value	Value
	Tons	$	$	$
1940				
CANADA	773,027	19,954,743	3,382,689	23,337,432
Prince Edward Island	207	6,220	-	6,220
Nova Scotia	985	29,099	445,281	474,380
New Brunswick	4,855	155,435	1,073,159	1,228,594
Quebec	61,669	1,851,618	132,263	1,983,881
Ontario	649,000	16,650,364	1,647,253	18,297,617
Manitoba	3,416	71,410	49,151	120,561
Saskatchewan	5,306	117,536	3,040	120,636
Alberta	46,987	1,055,977	10,282	1,066,259
British Columbia	602	17,024	22,260	39,284
1941				
CANADA	868,229	25,881,255	4,126,515	30,007,770
Prince Edward Island	255	7,400	-	7,400
Nova Scotia	640	22,915	383,976	406,891
New Brunswick	5,385	201,599	1,244,968	1,446,567
Quebec	56,215	1,840,095	279,154	2,119,249
Ontario	746,618	22,374,514	2,109,675	24,484,189
Manitoba	2,999	75,700	50,556	126,256
Saskatchewan	4,718	114,080	30,008	144,088
Alberta	50,784	1,225,095	4,038	1,229,133
British Columbia	617	19,857	24,140	43,997

Table 3. - Materials Used in Feed and Chopping Mills, 1940 and 1941

Materials	Unit of Measure	1940		1941	
		Quantity	Value	Quantity	Value
			$		$
Wheat	Bushel	456,729	329,519	823,706	622,996
Oats	"	4,250,219	1,548,262	5,012,412	2,125,987
Barley	"	2,104,395	1,023,632	2,472,448	1,364,308
Rye	"	69,403	39,943	106,612	62,460
Corn	"	1,312,685	1,061,378	956,061	1,018,305
Buckwheat	"	166,053	104,671	156,049	99,861
Peas	"	31,982	55,162	31,609	59,694
Mixed grain	"	32,156,772	13,356,665	35,597,956	17,673,302
Other grains	"	325,344	111,744	201,391	101,472
Cost of containers	-	-	198,404	-	177,864
Materials used for making containers	-	-	1,857	-	64,934
All other materials	-	-	973,150	-	1,374,596
TOTAL	-	-	18,804,387	-	24,748,779

THE FEED AND CHOPPING MILL INDUSTRY IN CANADA, 1941

Table 4. - Capital Invested in Feed and Chopping Mills in Canada, for the Years 1926 - 1941

Year	Fixed Capital	Working 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.	Total Capital
	$	$	$	$
1926	4,146,477	470,925	537,056	5,154,458
1927	4,439,973	604,963	650,378	5,695,314
1928	4,606,578	694,514	646,404	5,947,496
1929	5,135,863	773,207	649,259	6,558,329
1930	5,130,789	598,200	623,870	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	908,366	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
1 9 4 0				
CANADA	5,366,417	1,034,647	1,095,041	7,496,105
Prince Edward Island.	7,000	-	200	7,200
Nova Scotia	99,680	93,150	51,705	244,535
New Brunswick	170,688	102,110	147,153	419,951
Quebec	738,962	52,588	87,723	879,273
Ontario	4,155,444	754,397	725,953	5,635,794
Manitoba	36,720	11,735	24,057	72,512
Saskatchewan	15,664	4,035	6,924	26,623
Alberta	123,040	8,717	13,178	144,935
British Columbia	19,219	7,915	38,148	65,282
1 9 4 1				
CANADA	5,903,713	1,301,276	1,220,640	8,425,629
Prince Edward Island.	7,000	-	300	7,300
Nova Scotia	93,816	44,369	72,867	211,052
New Brunswick	160,669	115,556	144,732	420,957
Quebec	631,705	95,698	111,693	839,096
Ontario	4,800,751	1,009,207	809,407	6,619,365
Manitoba	38,140	12,764	25,169	76,073
Saskatchewan	40,867	6,972	6,076	53,915
Alberta	117,376	11,341	14,178	142,895
British Columbia	13,389	5,369	36,218	54,976

THE FEED AND CHOPPING INDUSTRY IN CANADA, 1941

Table 5. - Size of Establishments, 1940 and 1941

Establishments having a production of -	Establishments	Capital Invested	Employees	Salaries and Wages	Cost of Materials Used	Total Production
	No.	$	No.	$	$	$
1940						
Under $50,000	632	4,090,918	970	540,928	10,285,315	12,920,961
$50,000 to $100,000	99	1,392,824	288	214,636	5,283,398	6,488,001
$100,000 to $200,000	12	630,818	98	108,514	1,456,180	1,766,939
$200,000 to $500,000	5	1,381,545	135	134,545	1,779,994	2,161,534
TOTAL	748	7,496,105	1,491	998,623	18,804,887	23,337,432
1941						
Under $50,000	668	3,950,614	978	562,311	11,614,992	14,238,362
$50,000 to $100,000	148	1,943,225	384	305,680	8,126,294	9,751,694
$100,000 to $200,000	19	759,011	98	96,499	2,097,954	2,502,233
$200,000 to over $1,000,000	9	1,772,779	183	207,808	2,909,539	3,515,481
TOTAL	844	8,425,629	1,643	1,172,298	24,748,779	30,007,770

THE FEED AND CHOPPING MILL INDUSTRY IN CANADA, 1941

Table 6. - Employees, Salaries and Wages in Feed and Chopping Mills, 1940 and 1941

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.	$
1940									
CANADA	598	29	435,486	855	9	563,137	1,453	38	998,623
Prince Edward Island	3	-	396	-	-	-	3	-	396
Nova Scotia	2	-	1,704	14	-	11,887	16	-	13,591
New Brunswick ...	17	7	24,827	50	-	32,646	67	7	57,473
Quebec	91	1	44,554	88	-	48,354	179	1	92,908
Ontario	414	18	318,551	664	8	451,585	1,078	26	770,136
Manitoba	10	-	10,660	7	-	4,030	17	-	14,690
Saskatchewan	10	-	3,240	7	-	1,926	17	-	5,166
Alberta	48	2	29,118	20	1	8,197	68	3	37,315
British Columbia.	3	1	2,436	5	-	4,512	8	1	6,948
1941									
CANADA	675	32	497,893	924	12	674,405	1,599	44	1,172,298
Prince Edward Island	3	-	316	1	-	75	4	-	391
Nova Scotia	2	-	1,150	14	-	12,045	16	-	13,195
New Brunswick ...	20	8	28,313	58	-	53,875	78	8	82,188
Quebec	113	1	65,171	80	-	50,517	193	1	115,688
Ontario	469	19	354,236	728	12	530,945	1,197	31	885,181
Manitoba	7	-	10,568	10	-	5,639	17	-	16,207
Saskatchewan	11	1	5,253	6	-	3,807	17	1	9,060
Alberta	47	2	30,736	20	-	11,980	67	2	42,716
British Columbia.	3	1	2,150	7	-	5,522	10	1	7,672

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Table 7. - Monthly Employment of Wage-earners, 1940 and 1941

	In Feed and Chopping Mills			
	1940		1941	
	Male	Female	Male	Female
	No.	No.	No.	No.
January	834	6	896	9
February	842	7	907	9
March	845	7	912	9
April	816	7	891	9
May	797	8	850	11
June	772	9	818	11
July	767	10	825	16
August	775	10	829	14
September	800	10	859	11
October	822	9	885	11
November	858	9	924	10
December	849	10	925	11
Average monthly employment	855	9	924	12

Table 8. - Number of Wage-earners in Month of Highest Employment with their Regular Hours of Work and Average Weekly Earnings, 1940 and 1941

Number of Hours Worked per Week	Number of Employees				Number of Hours Worked per Week	Number of Employees			
	1940		1941			1940		1941	
	Male	Female	Male	Female		Male	Female	Male	Female
30 hours or less	80	2	96	3	51-54 hours	147	1	134	1
31-43 hours	38	5	44	5	55 hours	54	-	33	-
44 hours	20	-	16	-	56-64 hours	400	-	433	1
45-47 hours	9	-	19	-	65 hours and over	34	-	91	-
48 hours	133	1	105	1					
49-50 hours	37	-	48	-	Average hours per week	52.9	38.4	53.2	38.2
					Average weekly earnings	$14.53	$7.33	$17.18	$9.45

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Table 9. - Power Equipment in Feed and Chopping Mills, 1940 and 1941

Classes of Power		1940 Number of Units	1940 Manufacturers' Rating of Horse-power Capacity	1941 Number of Units	1941 Manufacturers' Rating of Horse-power Capacity
Steam engines and steam turbines	In use	16	855	15	750
	Idle	3	139	3	170
Diesel engines	In use	166	7,930	212	10,301
	Idle	6	480	9	482
Gasoline, gas and oil engines, other than diesel	In use	190	6,949	237	8,583
	Idle	19	568	23	579
Hydraulic turbines or water wheels	In use	309	11,545	317	12,072
	Idle	12	451	17	649
Electric motors operated by purchased power	In use	487	9,921	595	10,991
	Idle	23	1,445	21	1,375
TOTAL POWER USED IN MANUFACTURING		1,231	40,273	1,449	45,952
Electric motors operated by power generated by the establishment		4	108	5	112
Total Electric Motors ..		514	11,474	621	12,478
TOTAL POWER INSTALLATION		1,235	40,381	1,454	46,064
Boilers	In use	18	1,055	16	965
	Idle	3	52	1	300

Table 10.-Consumption of Fuel and Electricity in Feed and Chopping Mills,1940 & 1941

	Unit of Measure	1940 Quantity	1940 Total Cost at Mill	1941 Quantity	1941 Total Cost at Mill
			$		$
Coal -	Ton				
Bituminous .....(2000 lb.)		1,457	10,390	2,301	14,980
Anthracite	"	474	5,650	421	5,160
Lignite	"	94	308	101	345
Coke	"	14	190	18	209
Gasoline	Imp.Gal.	204,882	46,242	317,016	83,020
Kerosene or coal oil	" "	7,989	1,119	4,389	794
Fuel or diesel oil	" "	527,643	56,388	660,632	74,624
Wood	Cord	1,337	4,420	974	3,768
Gas, manufactured and natural	M cu.ft.	31,361	12,756	25,137	13,912
Other fuel	-	-	5,651	-	980
TOTAL COST OF FUEL	-	-	143,114	-	197,792
Electricity purchased	K.W.H.	8,731,748	156,920	9,719,554	174,840
Electricity generated for sale	"	-	-	-	-
TOTAL COST OF FUEL AND ELECTRICITY	-	-	300,034	-	372,632