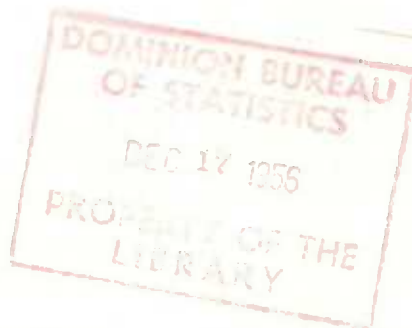


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# THE FLOUR MILLING INDUSTRY

## 1955



*Published by Authority of*  
The Right Honourable C. D. Howe, Minister of Trade and Commerce

**DOMINION BUREAU OF STATISTICS**  
Industry and Merchandising Division  
Foods and Beverages Section

NOTICE

The annual reports prepared by the Industry and Merchandising Division of the Bureau of Statistics are divided into 3 volumes, as follows: Volume I - The Primary Industries, including mining, forestry and fisheries; Volume II - Manufacturing; Volume III - Merchandising and Services. The volumes are made up of parts, and the parts in turn are subdivided according to the industries or provinces which they comprise.

Volume II consists of the following parts, the first two of which deal with manufacturing as a whole and the balance with the major manufacturing groups.

- I - General Review of the Manufacturing Industries, \$1.50
- II - The Manufacturing Industries of Canada, (7 sections, as follows:)
  - Section A. Summary for Canada, 25¢
  - Section B. Atlantic Provinces, 50¢
  - Section C. Quebec, 25¢
  - Section D. Ontario, 25¢
  - Section E. Prairie Provinces, 25¢
  - Section F. British Columbia, 40¢
  - Section G. The Manufacturing Industries of Canada, Regional Distribution, 75¢
- III - Foods and Beverages
- IV - Tobacco and Tobacco Products
- V - Rubber Products
- VI - Leather Products
- VII - Textile Mills
- VIII - Knitting Mills
- IX - Clothing
- X - Wood and Paper Products
- XI - Printing Trades
- XII - Iron and Steel Products
- XIII - Transportation Equipment
- XIV - Non-ferrous Metal Products
- XV - Electrical Apparatus and Supplies
- XVI - Non-metallic Mineral Products
- XVII - Products of Petroleum and Coal
- XVIII - Chemicals and Allied Products
- XIX - Miscellaneous Manufactures

The present report belongs in Part III, Foods and Beverages. It is punched to permit of filing in a ring binder along with others of the group. The reports in this group are:

- A - General Review, 25¢
- B - The Slaughtering and Meat Packing Industries, 25¢
- C - The Dairy Products Industry, 25¢
- D - The Fish Processing Industry, 25¢
- E - The Fruit and Vegetable Preparations Industry, 25¢
- F - The Flour Milling Industry, 25¢
- G - The Prepared Breakfast Foods Industry, 25¢
- H - The Feeds Industry, 25¢
- I - The Biscuit Industry, 25¢
- J - The Bread and Other Bakery Products Industry, 25¢
- K - The Carbonated Beverages Industry, 25¢
- L - The Distilling Industry, 25¢
- M - The Brewing Industry, 25¢
- N - The Wine Industry, 25¢
- O - The Confectionery Industry, 25¢
- P - The Sugar Refining Industry, 25¢
- Q - The Macaroni and Kindred Products Industry, 25¢
- R - The Miscellaneous Food Preparations Industry, 25¢
- S - The Canned Foods Summary, 25¢

# THE FLOUR MILLING INDUSTRY

1955

This industry, which has existed to meet 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. Approximately one hundred mills, many of them of the most modern type and of the highest efficiency, have a capacity far in excess of Canada's demands.

The war of 1914-1918 and the demand it created gave a great impetus to this trade. During 1928 productive capacity reached about 121,000 barrels per day. During the depression the industry was 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 to the industry as a direct result of the large import requirements of Great Britain and other allied countries during the last war. Exports of wheat flour to all countries which averages about 14,000,000 barrels during the war years decreased to 11,144,214 barrels in 1953 and to 10,074,061 barrels in 1954. The great demand for Canadian flour in foreign markets during the war years was a great boon to Canadian agriculture, inasmuch as it made it possible for flour mills to make available large quantities of mill feeds which otherwise would not have been produced. Farmers were thus able to obtain sufficient livestock feeds to fulfill Canada's commitments for the export of cheese and bacon.

Previous to the publication of this report, and in addition to the Breakfast Foods Industry, there were two annual publications dealing with grain mill products:

- (a) The Flour and Feed Milling Industries.
- (b) The Prepared Stock and Poultry Feeds Industry.

The first report mentioned above included separate statistical data on the Flour Milling Industry and analyzed in detail all those establishments which manufacture flour. In addition, these establishments manufacture any or all of the commodities usually associated with the feed industry. In the same report, a summary of the Feed Milling Industry, which included establishments that manufacture principally chopped grain feeds on a merchant or custom basis, was included. These establishments may have also produced prepared stock and poultry feeds, but if the volume of such prepared feeds exceeded four hundred tons, they were classified to the Prepared Stock and Poultry Feeds Industry.

The report on the Prepared Stock and Poultry Feeds Industry presented the detail of firms spe-

cializing in the manufacture of prepared stock and poultry feeds. These firms did not manufacture flour and their production of feeds had to be in excess of 400 tons. This group of establishments may have produced, at the same time, any other grain mill products.

Currently, it became necessary for the Bureau to publish data which would allow industry to assess what proportion of the livestock population the output of their plant was feeding. While this situation could not be met entirely, since feed production is spread over numerous industries, approximately 98 per cent by volume of all primary and secondary feeds could be presented in one report by removing feed milling establishments from the Flour and Feed Milling Industry and combining these with those of Prepared Stock of Poultry Feeds. Beginning in 1953, Reports on the grain milling industries are now published as follows:

- (a) **The Flour Milling Industry** includes all establishments which produce wheat flour in any quantity. Therefore it would necessarily include feeds in any form manufactured by these establishments, with one exception. Some of the larger milling companies which conduct separate feed milling divisions, provide two reports; one covering their flour milling activity and the second covering their feed production activities. In this latter case, the feed report is included in the Feeds Industry.
- (b) **The Feeds Industry**—This group includes all establishments which manufacture prepared feeds, chopped grain feeds on own account and carry on a service operation of custom milling and chopping. This group, however, does not include those establishments which manufacture flour and which may produce, in addition, prepared and chopped grain feeds. Historically, the Feed Milling Industry as it existed prior to 1953, has now been removed from its statistical association with flour milling and has been combined with the former Prepared Stock and Poultry Feed Industry. The industry will henceforth be referred to as the Feeds Industry.
- (c) **The Breakfast Foods Industry** includes all firms which manufacture prepared breakfast foods. The industry also includes some of the large flour milling companies which maintain separate foods divisions.

In 1950, the statistical treatment of the Flour Milling Industry and that of the Feed Milling Industry changed considerably, primarily in the treatment of custom grinding and custom milling. Up to and including 1949, custom grinding and milling had been converted, for statistical purposes, to a mer-

chant grinding and milling basis, whereby the volume of custom ground and milled grains was valued at the average cost of merchant grains reported. These two values were added to give the total gross value of shipments. In 1950, the method of estimating gross value was changed. Only the amount received for service rendered is considered as part of the gross value of shipments, no account being taken of the value of grains supplied for custom. Historically, principal statistics in Table 1 have been made comparable beginning with the 1953 report. It should be noted that this change in the statistical treatment does not affect the net value of production for the industry. The volume of grains used for custom chopping and milling, together with the custom charge are shown in Table 4, page 9.

The total value of all shipments of the Flour Milling Industry in 1955 amounted to \$221,894,538 a decrease of 4.5 per cent from \$232,363,041 recorded in 1954. It should be noted that eight mills discontinued operations in this period, five in Ontario, and one in Saskatchewan, one in Alberta and one in British Columbia.

Although some enriched flour had been produced in Canada previously for export, the general programme of enrichment first took place in 1953. Table 2 shows the total production of the enriched and non-enriched flour for Canada and the provinces for 1955.

Out of the total value of shipments of more than \$221,894,000 in 1955, the total value of the shipments of flour amounted to \$168,303,568. Next in importance were the shipments of more than \$32,246,000 worth of bran, shorts and middlings while certain types of especially prepared flour and milled products amounted to slightly over \$9,903,500. It should be noted that the shipments of Prepared Cake Mixes in this Industry alone approached \$6,187,000 while the total value of shipments of Prepared Stock and Poultry Feeds including con-

centrates, and chopped grain feeds approximated \$2,986,800.

While the value of wheat flour shipments from plant decreased 6.6 per cent in 1955 compared to 1954, the physical volume of shipments decreased 7.4 per cent in the same period. This indicates an increase in prices or unit values.

There was a slight change in the number of workers employed in the industry in 1955, when 4,853 employees were reported compared with 4,934 in the previous year. Total salaries and wages for 1955 were approximately \$41,946 more than in 1954 and increased to \$15,478,817. Of total employment 1,344 employees were used in the administrative and clerical end of the industry and drew about \$103,494 more than in 1954. The number of wage-earners was 3,509 and the industry paid them \$10,568,498 in wages a decrease of \$61,548 from 1954.

The total cost of raw materials amounted to \$185,004,008 in 1955. This includes the cost of grains, mill feeds, concentrates, vitamins and packing materials. Purchases of wheat amounted to slightly more than \$157,922,000 while the cost of containers and packing materials amounted to \$14,149,449. The next largest item of expense was that of oats which amounted to \$4,975,748, while other grains purchased including mixed grain for chopping amounted to approximately \$1,920,400.

Comparing some of the principal products of manufacture, it is noted that the volume of flour shipped showed a reduction to 20,558,730 barrels, about 640,100 barrels less than 1954. Exports of flour decreased slightly more than 1,473,300 barrels from 1954. Because of this drop in exports the amount of all types of flour available for domestic consumption amounted to 11,960,333 barrels an increase of approximately 934,466 barrels more than 1954, but a decrease of 341,818 barrels from 1953.

TABLE 1. Principal Statistics for the Years, 1926-1955

	Estab- lish- ments	Em- ployees	Earnings	Cost of fuel and electricity	Cost at plant of materials used	Value added by manufacture	Selling value of factory shipments
	No.	No.	\$	\$	\$	\$	\$
1926 .....	442	5,118	6,486,285	1,315,523	145,989,909	11,640,418	158,945,850
1928 .....	423	5,285	6,745,415	1,415,995	144,868,517	16,734,990	163,019,502
1929 .....	409	5,308	6,714,960	1,374,168	130,437,426	16,814,326	148,625,920
1930 .....	382	4,673	5,885,224	1,263,406	102,823,717	13,544,439	117,631,562
1933 .....	413	4,153	4,422,689	1,032,262	51,719,587	11,074,398	63,826,247
1934 .....	435	4,263	4,443,991	1,060,177	61,392,000	12,418,591	74,870,768
1937 .....	335	4,469	5,069,315	966,093	94,016,740	12,359,527	107,342,360
1939 .....	303	4,540	5,621,370	1,020,119	59,164,699	16,064,541	76,249,359
1941 .....	288	4,896	6,733,703	1,244,710	91,222,378	17,056,209	109,523,297
1942 .....	281	4,999	7,465,544	1,237,630	98,182,809	21,355,939	120,776,378
1944 .....	224	5,461	8,925,161	1,449,907	153,579,588	17,948,448	172,977,943
1945 .....	195	5,654	9,630,553	1,540,758	158,499,853	21,321,130	181,361,741
1946 .....	184	6,012	10,884,848	1,740,270	185,219,470	24,613,288	211,573,028
1947 .....	174	6,220	12,603,961	1,899,560	230,467,746	30,762,112	263,129,418
1948 .....	170	5,334	11,882,590	1,701,302	220,068,533	29,425,720	251,195,555
1949 .....	133	5,033	11,965,400	1,526,578	215,404,869	24,318,787	241,250,234
1950 .....	118	4,903	11,917,625	1,515,218	213,755,757	31,336,800	247,107,775
1951 .....	108	4,864	13,596,597	1,656,382	242,132,072	37,078,324	280,866,778
1952 .....	100	4,961	14,688,635	1,652,958	236,194,234	36,360,848	274,208,040
1953 .....	95	4,962	14,946,310	1,650,066	224,518,387	40,262,095	266,430,548
1954							
Canada .....	85	4,934	15,436,871	1,676,219	195,322,299	35,031,653	232,363,041
Quebec .....	4	645	2,451,047	167,015	26,966,077	4,402,650	31,512,365
Ontario .....	50	2,120	6,721,094	699,823	84,424,307	14,834,418	99,965,927
Manitoba .....	7	581	1,539,306	179,249	20,041,857	2,187,328	22,473,355
Saskatchewan and British Columbia .....	12	841	2,679,717	402,238	37,453,349	9,985,869	48,009,432
Alberta .....	12	747	2,045,707	227,894	26,436,709	3,621,388	30,401,962
1955							
Canada .....	77	4,853	15,478,817	1,721,399	185,004,008	35,538,807	221,894,538
Quebec .....	4	730	2,840,493	170,249	27,103,586	5,438,750	32,305,547
Ontario .....	45	2,016	6,389,800	738,369	75,743,399	14,556,486	90,998,121
Manitoba .....	7	569	1,606,149	178,158	21,098,858	3,264,146	24,516,430
Saskatchewan and British Columbia .....	10	766	2,537,646	416,964	34,946,046	7,851,826	43,120,602
Alberta .....	11	772	2,104,729	217,659	26,112,119	4,427,599	30,953,838

TABLE 2. Shipments of Flour Mills by Classes and by Provinces, 1955

Products	Canada		Quebec	Ontario
	Quantity	Selling value at mill	Quantity	Quantity
		\$		
Wheat flour:				
Spring No. 1 or Top Patent including Semolina .....	3,828,857	35,731,875	594,401	1,074,873
Spring No. 2 Patent .....	6,395,988	52,321,393	580,396	2,896,374
Spring No. 3 Patent (Strong Bakers or Export Patent) .....	7,017,020	54,959,627	1,559,927	2,188,173
Whole wheat and Graham flour .....	296,188	2,352,753	16,257	124,984
Ontario Winter wheat flour .....	1,461,723	11,087,169	609	1,458,741
Durum Semolina and flour .....	310,396	2,919,436	49,241	153,535
Lower grades of flour .....	711,034	5,163,657	48,259	294,077
All other .....	537,524	3,767,658	92,492	141,125
Total flour .....	20,558,730	168,303,568	2,941,582	8,331,882
Enriched flour, all grades combined .....	11,358,507	96,863,119	1,324,942	3,975,156
Non-enriched flour, all grades combined .....	9,200,223	71,440,449	1,616,640	4,356,726
Flour and meal, other:				
Prepared or self raising flour .....	1,847	309,159	—	1,842
Barley flour .....	95	4,650	—	—
Barley meal .....	136	7,344	—	136
Rye flour .....	5,607	392,063	—	4,526
Rye meal .....	1,023	65,104	—	618
Corn flour .....	333	28,971	—	333
Corn meal .....	4,941	601,727	—	4,941
Buck wheat flour .....	54	5,995	—	54
Breakfast foods:				
Prepared breakfast food .....	151	36,352	—	—
Oatmeal .....	2,234	285,549	—	804
Rolled oats .....	41,304	6,695,393	—	8,264
Rolled or flaked wheat .....	639	77,297	—	—
Unprepared breakfast foods .....	3,231	535,549	—	1,142
Other products:				
Prepared cake mixes .....	14,123	6,187,642	2	2
Barley, Pot and pearl .....	614	70,747	—	152
Corn, cracked .....	123	8,475	—	123
Shorts and middlings .....	392,447	19,270,423	48,881	167,689
Bran .....	292,681	12,976,269	40,957	116,656
Chopped grain feed <sup>1</sup> .....	21,541	1,170,771	2,418	12,940
Alfalfa meal .....	—	—	—	—
Offal, not otherwise specified .....	55,163	1,448,284	3,437	11,678
All other products .....	20,619	1,474,090	—	10,791
Prepared stock and poultry feeds:				
Calf meals .....	308	33,839	—	206
Dairy and cattle feeds .....	2,453	163,826	—	1,545
Swine feeds .....	8,054	548,988	—	7,661
Poultry feeds:				
Chick starter .....	1,049	91,920	—	464
Broiler feeds .....	1,491	148,031	—	296
Growing mash .....	1,814	133,076	—	1,256
Laying and hatching mash .....	6,845	523,739	—	4,497
Fattening and finishing feeds .....	184	13,501	—	83
Scratch feed .....	873	56,214	—	858
All turkey feeds .....	424	39,949	—	54
Other mixed feeds .....	296	23,052	—	195
Mixed concentrates .....	395	39,957	—	85
Amount received from custom chopping and milling .....	—	123,024	—	—
<b>Total</b> .....	—	<b>221,894,538</b>	—	—

1. Does not include the chopped grain feed which is produced in the Custom chopping mills. The total Quantity of grains chopped or milled and the amount received for chopping or milling is shown in Table 4 for the Flour Milling industry.

2. Not available.

TABLE 2. Shipments of Flour Mills by Classes and by Provinces, 1955 - Concluded

Products	Manitoba	Saskatchewan and British Columbia	Alberta
		Quantity	
<b>Wheat flour:</b>			
Spring No. 1 or Top Patent including Semolina .....	433, 479	1, 144, 351	581, 753
Spring No. 2 Patent .....	1, 421, 657	497, 538	1, 000, 023
Spring No. 3 Patent (Strong Bakers or Export Patent) ..	291, 518	1, 881, 086	1, 096, 316
Whole wheat and Graham flour .....	44, 546	80, 551	32, 243
Ontario Winter wheat flour .....	—	—	—
Durum Semolina and flour .....	28, 285	—	79, 335
Lower grades of flour .....	163, 421	7, 627	197, 650
All other .....	29, 026	195, 636	79, 245
<b>Total flour .....</b>	<b>2, 411, 932</b>	<b>3, 806, 769</b>	<b>3, 066, 565</b>
Enriched flour, all grades combined .....	1, 636, 050	2, 153, 722	2, 268, 637
Non-enriched flour, all grades combined .....	775, 882	1, 653, 047	797, 928
<b>Flour and meal, other:</b>			
Prepared or self raising flour .....	—	5	—
Barley flour .....	95	—	—
Barley meal .....	—	—	—
Rye flour .....	—	—	1, 081
Rye meal .....	147	—	258
Corn flour .....	—	—	—
Corn meal .....	—	—	—
Buckwheat flour .....	—	—	—
<b>Breakfast foods:</b>			
Prepared breakfast foods .....	—	151	—
Oatmeal .....	802	628	—
Rolled oats .....	9, 623	23, 417	—
Rolled or flaked wheat .....	162	51	426
Unprepared breakfast foods .....	1, 527	—	562
<b>Other products:</b>			
Prepared cake mixes .....	—	—	2
Barley, pot and pearl .....	—	462	—
Corn, cracked .....	—	—	—
Shorts and middlings .....	51, 373	69, 495	55, 009
Bran .....	30, 789	58, 153	46, 126
Chopped grain feed <sup>1</sup> .....	65	21	6, 097
Alfalfa meal .....	—	—	—
Offal, not otherwise specified .....	3, 826	34, 452	1, 770
All other products .....	—	7, 828	2, 000
<b>Prepared stock and poultry feeds:</b>			
Calf meal .....	10	16	76
Dairy and cattle feeds .....	93	8	807
Swine feeds .....	256	36	101
<b>Poultry feeds:</b>			
Chick starter .....	133	82	370
Broiler feeds .....	46	—	1, 149
Growing mash .....	119	57	382
Laying and hatching mash .....	156	67	2, 125
Flattening and finishing feeds .....	24	5	72
Scratch feed .....	1	5	14
all turkey feeds .....	58	8	304
Other mixed feeds .....	—	35	66
Mixed concentrates .....	—	—	310
Amount received for custom chopping and milling .....	—	—	—
<b>Total .....</b>	<b>—</b>	<b>—</b>	<b>—</b>

1. Does not include the chopped grain feed which is produced in the Custom chopping mills. The total quantity of grains chopped or milled and the amount received for chopping or milling is shown in Table 4 for the flour milling industry.

2. Not available.

TABLE 3. Materials Used in Flour Mills, by Provinces, 1955

Materials	Canada		Quebec		Ontario	
	Quantity	Value	Quantity	Value	Quantity	Value
	Tons	\$	Tons	\$	Tons	\$
Wheat .....	2,742,297	157,922,080	376,929	23,518,851	1,112,544	64,954,706
Oats .....	97,842	4,975,748	581	33,701	25,194	1,398,762
Barley .....	9,627	463,647	1,476	70,349	5,579	277,086
Rye .....	9,162	371,617	-	-	7,217	303,700
Corn .....	12,796	770,942	-	-	12,371	742,093
Buckwheat .....	111	6,794	-	-	111	6,794
Peas .....	-	-	-	-	-	-
Mixed grain for chopping .....	6,430	263,969	-	-	2,503	137,365
Other grains .....	570	27,310	-	-	562	27,196
Alfalfa .....	303	16,134	-	-	112	4,083
Vitamins .....	-	1,089,933	-	187,623	-	366,719
Mill feeds (bran, etc.) .....	4,020	183,890	-	-	2,013	101,246
Concentrates (all kinds) .....	4,206	419,869	-	-	3,112	307,069
Other ingredients used .....	1,330	108,356	-	-	746	53,122
All other materials .....	-	4,234,270	-	1,499,394	-	2,350,897
Cost of containers purchased .....	-	14,149,449	-	1,793,668	-	4,712,561
<b>Total .....</b>	<b>-</b>	<b>185,004,008</b>	<b>-</b>	<b>27,103,586</b>	<b>-</b>	<b>75,743,399</b>
	Manitoba		Saskatchewan and British Columbia		Alberta	
	Quantity	Value	Quantity	Value	Quantity	Value
	Tons	\$	Tons	\$	Tons	\$
Wheat .....	326,284	18,331,449	516,679	28,517,669	409,860	22,599,405
Oats .....	13,343	1,016,440	49,709	2,385,211	3,015	141,634
Barley .....	321	11,788	1,012	47,628	1,239	56,796
Rye .....	182	8,427	-	-	1,763	59,490
Corn .....	-	18	-	-	425	28,831
Buckwheat .....	-	-	-	-	-	-
Peas .....	-	-	-	-	-	-
Mixed grains for chopping .....	2	75	-	-	3,925	126,529
Other grains .....	-	-	1	30	7	84
Alfalfa .....	-	-	-	-	191	12,051
Vitamins .....	-	108,733	-	205,573	-	221,285
Mill feeds (bran, etc.) .....	279	12,801	21	1,070	1,707	68,773
Concentrates (all kinds) .....	159	15,562	120	12,123	815	85,115
Other ingredients used .....	-	-	31	1,901	553	53,333
All other materials .....	-	31,064	-	80,848	-	272,067
Cost of containers purchased .....	-	1,562,501	-	3,693,993	-	2,386,726
<b>Total .....</b>	<b>-</b>	<b>21,098,858</b>	<b>-</b>	<b>34,946,046</b>	<b>-</b>	<b>26,112,119</b>



TABLE 4. Grains Used for Custom Chopping and Milling for Canada and the Provinces, 1955

	Wheat	Oats	Barley	Rye	Corn	Buck-wheat	Peas	Mixed grains	Total grains	Amount received for custom work
	Tons									\$
Canada .....	4,022	6,367	4,005	—	615	50	10	33,794	48,863	123,024
Quebec .....	—	189	—	—	—	—	—	—	189	672
Ontario .....	2,123	4,668	1,477	—	615	50	10	18,850	27,793	63,990
Manitoba .....	348	874	1,528	—	—	—	—	—	2,750	9,634
Saskatchewan and British Columbia .....	885	10	10	—	—	—	—	1,250	2,155	16,682
Alberta .....	666	626	990	—	—	—	—	13,694	15,976	32,046

TABLE 5. Principal Statistics Classified According to Type of Ownership, 1954-1955

Type	Establishments	Employees	Earnings	Cost at plant of materials used	Selling value of factory shipments
	No.	No.	\$	\$	\$
<b>1954</b>					
Individual ownership .....	15	73	146,832	3,013,444	3,448,141
Partnerships .....	12	90	219,911	1,339,914	1,732,920
Incorporated companies .....	58	4,771	15,070,128	190,968,941	227,181,980
Co-operatives .....	1				
<b>Total .....</b>	<b>86</b>	<b>4,934</b>	<b>15,436,871</b>	<b>195,322,299</b>	<b>232,363,041</b>
<b>1955</b>					
Individual ownership .....	12	50	95,739	846,574	1,040,986
Partnerships .....	12	90	225,826	1,306,576	1,711,915
Incorporated companies .....	52	4,713	15,157,252	182,850,858	219,141,637
Co-operatives .....	1				
<b>Total .....</b>	<b>77</b>	<b>4,853</b>	<b>15,478,817</b>	<b>185,004,008</b>	<b>221,894,538</b>

TABLE 6. Consumption of Flour in Canada for Years, 1952-1955

	1952	1953	1954	1955
	Bbl.			
Production .....	23,492,948	23,445,532	21,098,859	20,558,730
Imports .....	4,327	833	1,069	2,313
<b>Total .....</b>	<b>23,497,175</b>	<b>23,446,365</b>	<b>21,099,928</b>	<b>20,561,043</b>
Exports .....	13,246,269	11,144,214	10,074,061	8,600,710
Available for Consumption .....	10,250,906	12,302,151	11,025,867	11,960,333

TABLE 7. Size of Establishments, 1954 and 1955

Establishments having a production of	Estab-lish-ments	Employees	Earnings	Cost at plant of materials used	Selling value of factory shipments
	No.	No.	\$	\$	\$
1954					
Under \$50,000 .....	15	43	65,920	157,055	245,178
\$50,000 to \$99,999 .....	5	33	74,290	299,433	396,346
\$100,000 to \$199,999 .....	13	96	235,812	1,533,908	1,925,668
\$200,000 to \$499,999 .....	8	96	274,163	1,868,748	2,463,157
\$500,000 to \$999,999 .....	9	143	396,111	5,739,868	6,775,047
\$1,000,000 to \$4,999,999 .....	20	982	2,893,621	41,199,030	48,307,252
\$5,000,000 and over .....	15	3,541	11,496,954	144,524,257	172,250,393
<b>Total .....</b>	<b>85</b>	<b>4,934</b>	<b>15,436,871</b>	<b>195,322,299</b>	<b>232,363,041</b>
1955					
Under \$50,000 .....	14	39	63,493	187,626	291,991
\$50,000 to \$99,999 .....	3	15	39,510	195,548	253,311
\$100,000 to \$199,999 .....	14	111	291,615	1,666,387	2,121,005
\$200,000 to \$499,999 .....	5	71	217,807	1,396,640	1,723,494
\$500,000 to \$999,999 .....	8	130	352,897	4,938,038	5,648,390
\$1,000,000 to \$4,999,999 .....	17	810	2,294,493	32,873,438	38,132,541
\$5,000,000 and over .....	16	3,677	12,219,002	143,746,331	173,723,806
<b>Total .....</b>	<b>77</b>	<b>4,853</b>	<b>15,478,817</b>	<b>185,004,008</b>	<b>221,894,538</b>

TABLE 8. Capital, Repair and Maintenance Expenditures, 1951-1955

Year	Capital expenditures			Repair and maintenance expenditures			Capital, repair and maintenance expenditures		
	Con-struction	Machinery and equipment	Sub-total	Con-struction	Machinery and equipment	Sub-total	Con-struction	Machinery and equipment	Sub-total
(thousands of dollars)									
1951 .....	403	1,527	1,930	364	1,547	1,911	767	3,074	3,841
1952 .....	513	1,689	2,202	241	1,626	1,867	754	3,315	4,069
1953 .....	224	955	1,179	496	1,567	2,063	720	2,522	3,242
1954 .....	520	2,040	2,560	330	1,340	1,670	850	3,380	4,230
1955 .....	310	1,695	2,005	411	1,174	1,585	721	2,869	3,590

TABLE 9. Employees and their Earnings, 1954-1955

Year and provinces	Employees on salaries			Employees on wages			Total employees salaries and wages		
	Male	Fe-male	Total salaries	Male	Fe-male	Total salaries	Male	Fe-male	Salaries and wages
	No.	No.	\$	No.	No.	\$	No.	No.	\$
1954									
<b>Canada .....</b>	<b>879</b>	<b>437</b>	<b>4,806,825</b>	<b>3,465</b>	<b>153</b>	<b>10,630,046</b>	<b>4,344</b>	<b>590</b>	<b>15,436,871</b>
Quebec .....	144	52	912,241	445	4	1,538,806	589	56	2,451,047
Ontario .....	364	170	2,035,622	1,551	35	4,685,472	1,915	205	6,721,094
Manitoba .....	101	62	420,975	365	53	1,118,331	466	115	1,539,306
Saskatchewan and British Columbia .....	143	88	840,107	572	38	1,839,610	715	126	2,679,717
Alberta .....	127	65	597,880	532	23	1,447,827	659	88	2,045,707
1955									
<b>Canada .....</b>	<b>907</b>	<b>437</b>	<b>4,910,319</b>	<b>3,344</b>	<b>165</b>	<b>10,568,498</b>	<b>4,251</b>	<b>602</b>	<b>15,478,817</b>
Quebec .....	143	52	938,590	524	11	1,901,903	667	63	2,840,493
Ontario .....	395	175	2,112,039	1,391	55	4,277,761	1,786	230	6,389,800
Manitoba .....	109	60	443,150	359	41	1,162,999	468	101	1,606,149
Saskatchewan and British Columbia .....	136	82	823,052	520	28	1,714,594	656	110	2,537,646
Alberta .....	124	68	593,488	550	30	1,511,241	674	98	2,104,729

TABLE 10. Production Workers, by Months, 1954-1955

MONTHS	1954		1955	
	Male	Female	Male	Female
	Numbers			
January.....	3,378	124	3,292	142
February.....	3,428	154	3,350	154
March.....	3,416	144	3,355	168
April.....	3,457	135	3,357	142
May.....	3,472	133	3,395	138
June.....	3,497	121	3,398	143
July.....	3,492	123	3,311	144
August.....	3,547	157	3,357	180
September.....	3,485	219	3,338	181
October.....	3,506	187	3,376	199
November.....	3,478	173	3,339	190
December.....	3,371	136	3,222	188
Average monthly employment.....	3,465	153	3,344	165

TABLE 11. Daily Capacity of Flour Mills, 1954-1955

Capacity of mills per day of 24 hours	Number of mills	Total capacity of the mills in each group	Average per establishment	Per cent of total	Number of barrels produced during the year	Average per establishment	Per cent of total
	No.	Barrels	Barrels	%	Barrels	Barrels	%
1954							
Under 100 barrels.....	16	878	55	0.9	36,585	2,287	0.2
100 to 199 barrels.....	19	2,290	121	2.2	186,166	9,798	0.9
200 to 299 ".....	5	1,085	271	1.1	164,609	41,152	0.8
300 to 499 ".....	10	3,650	405	3.7	759,994	84,444	3.6
500 to 999 ".....	9	5,950	661	6.0	1,042,536	115,837	4.9
1,000 to 2,999 ".....	15	25,850	1,723	25.8	6,014,769	400,985	28.5
3,000 to 4,999 ".....	7	25,950	3,707	25.9	6,477,514	925,359	30.7
5,000 barrels and over.....	4	34,400	8,600	34.4	6,416,686	1,604,171	30.4
<b>Total and average.....</b>	<b>85</b>	<b>100,053</b>	<b>1,177</b>	<b>100.0</b>	<b>21,098,859</b>	<b>248,222</b>	<b>100.0</b>
1955							
Under 100 barrels.....	14	780	56	0.8	43,381	3,099	0.2
100 to 199 barrels.....	17	2,043	120	2.2	140,873	8,287	0.7
200 to 299 ".....	4	860	215	0.9	146,767	36,691	0.7
300 to 499 ".....	9	3,350	372	3.6	637,345	70,816	3.1
500 to 999 ".....	5	2,900	580	3.1	677,502	135,500	3.3
1,000 to 2,999 ".....	17	27,354	1,609	29.4	6,164,862	362,638	30.0
3,000 to 4,999 ".....	7	26,000	3,714	27.9	6,703,816	957,688	32.6
5,000 barrels and over.....	4	29,900	7,475	32.1	6,044,184	1,511,046	29.4
<b>Total and average.....</b>	<b>77</b>	<b>93,187</b>	<b>1,210</b>	<b>100.0</b>	<b>20,558,730</b>	<b>266,996</b>	<b>100.0</b>

TABLE 12. Inventory Values<sup>1</sup>, 1955

	Raw materials and supplies	Goods in process	Finished goods of own manufacture	Total Inventory
	\$	\$	\$	\$
Opening.....	25,533,002	425,545	7,426,987	33,385,534
Closing.....	26,526,435	389,614	7,796,663	34,712,712

1. The opening inventory values for 1955 differ from the published closing inventory values for 1954 due to transfers, discards, corrections and addition of new firms.

TABLE 13. Equipment and Capacity of Flour Mills, 1955

Province	Establishments	Pairs of rolls	Pairs of stones	Estimated maximum capacity per day
	Nos.	No.	No.	Bbl.
Quebec .....	4	480	—	10,300
Ontario .....	45	1,314	23	42,698
Manitoba .....	7	277	2	10,725
Saskatchewan and British Columbia .....	10	459	—	13,435
Alberta .....	11	505	—	16,029
<b>Canada .....</b>	<b>77</b>	<b>3,035</b>	<b>25</b>	<b>93,187</b>

TABLE 14. Imports of Milled Products and Grains by Quantity and Value, 1954-1955

Articles imported	1954		1955	
	Quantity	Value	Quantity	Value
		\$		\$
<b>Milled products:</b>				
Wheat flour .....	bbl. 1,069	15,043	2,313	26,084
Buckwheat meal and flour .....	cwt. 52,713	143,059	—	—
Cornmeal .....	bbl. 5,272	49,560	5,143	38,955
Malt flour .....	lb. 539,300	40,770	530,260	42,065
Rye flour .....	bbl. 1,166	9,032	608	5,312
Oatmeal and rolled oats .....	lb. 7,358	1,161	7,036	845
Barley, pot and pearl .....	lb. 6,660	872	88,055	6,578
Hominy, cracked, ground, etc. ....	cwt. 122,708	498,583	167,283	598,275
Bran and mill feed .....	" 52,713	143,059	98,890	236,483
Cereal food in packages .....	lb. 4,998,894	1,033,423	1,394,937	310,311
Cereal foods, n.o.p. ....	—	476,219	—	1,139,449
Semolina .....	bbl. —	—	12	275
<b>Total value of milled products imported .....</b>	<b>—</b>	<b>2,410,781</b>	<b>—</b>	<b>2,404,632</b>
<b>Grains:</b>				
Wheat .....	bu. 296,988	2,354,425	88,081	159,447
Oats .....	" 11,888	18,787	33,689	40,757
Barley, buckwheat and rye .....	" 5,448	12,569	3,944	9,025
Corn for all purposes .....	" 6,522,630	10,763,310	4,163,672	6,672,682
<b>Total value of grains imported .....</b>	<b>—</b>	<b>13,149,091</b>	<b>—</b>	<b>6,881,911</b>

TABLE 15. Exports of Milled Products and Grains by Quantity and Value, 1954-1955

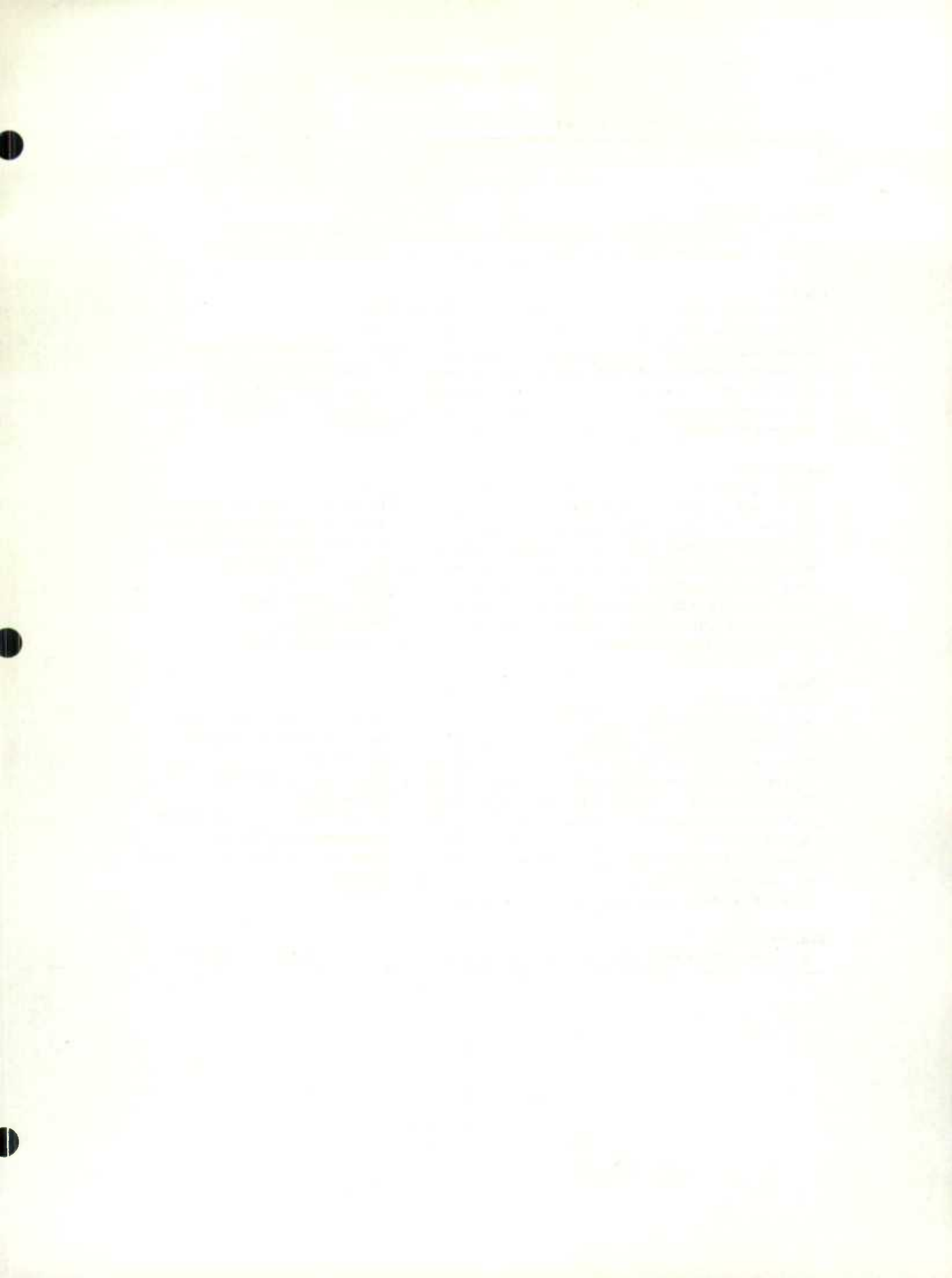
Articles exported	1954		1955	
	Quantity	Value	Quantity	Value
		\$		\$
<b>Milled products:</b>				
Rye flour .....	bbl. —	—	—	—
Wheat flour .....	" 10,074,061	88,029,251	8,600,710	74,441,673
Oatmeal and rolled oats .....	cwt. 121,617	889,430	132,200	996,104
Bran, shorts and middlings .....	" 3,230,503	7,564,942	2,581,506	6,338,373
Malt .....	bu. 4,001,365	8,143,562	3,879,637	7,879,619
Screenings .....	cwt. —	—	—	—
Cornmeal .....	bbl. 32,847	264,671	33,166	265,809
All other meals, n.o.p. ....	cwt. 9,166	18,516	2,246	9,527
Cereal foods, prepared, all kinds .....	—	232,996	—	207,619
<b>Total value of milled products exported .....</b>	<b>—</b>	<b>105,143,368</b>	<b>—</b>	<b>90,138,724</b>
<b>Grains:</b>				
Wheat .....	bu. 208,262,422	375,338,552	189,966,925	338,215,621
Oats .....	" 40,244,444	32,466,768	12,528,789	11,929,835
Barley .....	" 77,013,034	89,363,114	63,905,958	76,461,135
Corn .....	" 466,956	922,668	1,033,480	1,944,591
Rye .....	" 8,366,087	8,796,353	9,263,832	10,169,926
Buckwheat .....	" 562,481	714,829	362,811	567,576
<b>Total value of grains exported .....</b>	<b>—</b>	<b>507,602,284</b>	<b>—</b>	<b>439,288,684</b>

## List of Firms in the Flour Milling Industry, 1955

Name of Firm	Address
<b>Quebec:</b>	
Eastern Canada Flour Mills Ltd.....	4394 St. Ambroise St., Montreal
McDonald & Robb Limited .....	70 Chausee St., Valleyfield
The Ogilvie Flour Mills Co., Ltd.....	P.O. Box 6089, Montreal
St. Lawrence Flour Mills Co. Ltd., The .....	2110 Notre Dame St. West, Montreal
<b>Ontario:</b>	
Acton Flour Mills .....	62 Mill St., Acton
Almonte Flour Mills, Limited .....	P.O. Box 60, Almonte
Arva Flour Mills .....	Arva
Brooklin Flour Mills .....	Box 45, Brooklin
Caledonia Milling Co. Ltd.....	Caledonia
Cannington Flour & Feed Mill .....	Cannington
Carson, John H. ....	Ancaster
Cherry & Sons Limited, S.J. ....	166 King St., Preston
Collingwood Milling Co., The .....	P.O. Box 311, Collingwood
Comber Farmers Co-operative, Inc.....	Main St., Comber
Copeland Flour Mills, Limited.....	206 King St., Midland
Copeland Milling Company .....	Elmvale
Cullen & Sons Limited, James.....	107 Wilson St., Woodstock
Dewart Milling Co., Limited.....	93 Simcoe St., Peterborough
Dutton Flour Mills .....	Main St., Dutton
Great Star Flour Mills, Limited .....	Water St., St. Mary's
Hawden Milling Company .....	Wallaceburg
Hayhoe Bros. ....	Pine Grove
Hogg & Sons Ltd., George .....	Thamesford
Hortop & Son, W.H. ....	Everton
Howson & Howson, Ltd. ....	Blyth
Hunt Milling Corp. Limited, The .....	Nightingale Avenue, London
King Milling Co. of Sarnia Ltd., The .....	209 Front St. N., Sarnia
Knechtel & Son, Limited, Wm. ....	Hanover
Lake of the Woods Milling Co. Ltd. ....	16 South Market St., Brantford
Lake of the Woods Milling Co. Ltd. ....	Keewatin
Lang Flour Mill .....	Lang
McCarthy Milling Co. Limited .....	Streetsville
Maple Leaf Milling Co. Ltd.....	Port Colborne
Maple Leaf Milling Co. Ltd.....	12 Monarch Rd., Toronto
Milton Milling Co. Ltd. ....	Martin St., Milton
Morris & Son, J.A. ....	P.O. Box 25, Dorchester
Paris Flour Mills .....	2 Grand River N., Paris
Pfrimmer Bros. ....	R.R. No. R, Goderich
Phenix Mills, Limited .....	69 Ainslie St., South, Galt
Quaker Oats Company of Canada Limited, The .....	Peterborough
Reid Milling Co. Limited .....	Streetville
Robin Hood Flour Mills, Limited.....	Humberstone
Rock & Son, John.....	R.R. No. 2, Tillsonburg
Smith & Son, E.L. ....	R.R. No. 4, Scotland
Snider Flour Milling Co. Ltd., The .....	St. Jacobs
Strathroy Flour Mills, Limited .....	Albert St., Strathroy
Tavistock Milling Company Limited, The .....	Cor. Maria and Decew, Tavistock

## List of Firms in the Flour Milling Industry, 1955 - Concluded

Name of Firm	Address
<b>Ontario - Concluded</b>	
Taylor Co. Limited, The T.H. ....	14 William St. N., Chatham
Vanstone Flour & Feed Mill .....	116 King St. W., Bowmanville
<b>Manitoba:</b>	
Benito Flour & Feed .....	Benito
Kent Flour Mills, Ltd., B.P. ....	Viriden
Midland Flour Mills, Ltd. ....	350 Archibald St., St. Boniface
Ogilvie Flour Mills Co. Ltd., The .....	39 Higgins Ave., Winnipeg
Purity Flour Mills, Limited .....	480 Archibald St., St. Boniface
Soo Line Mills, Limited .....	7 Higgins Ave., Winnipeg
Steinbach Flour Mills .....	Steinbach
<b>Saskatchewan:</b>	
Esterhazy Flour Mill .....	Esterhazy
Quaker Oats Co. of Canada, Ltd., The .....	18th Street & Avenue, N., Saskatoon
Robin Hood Flour Mills, Ltd. ....	Fifth Ave. and High St. West, Moose Jaw
Robin Hood Flour Mills, Ltd. ....	First Ave. and 33rd St., Saskatoon
Saskatchewan Wheat Pool .....	P.O. Box 170, Saskatoon
Swift Current Flour Mills, Ltd. ....	Shaunavon
Swift Current Flour Mills, Ltd. ....	Box 1149, Swift Current
Wynyard Flour Mill .....	Box 84, Wynyard
Yorkton Milling Company Limited .....	Livingstone St., Yorkton
<b>Alberta:</b>	
Byers Flour Mills .....	Camrose
Ellison Milling & Elevator Co. Ltd. ....	1301 Second Ave. S., Lethbridge
Lake of the Woods Milling Co. Ltd. ....	South Railway St. Medicine Hat
Maple Leaf Milling Co. Ltd. ....	Medicine Hat
Ogilvie Flour Mills Co. Limited, The .....	10527 - 103rd St., Edmonton
Ogilvie Flour Mills Co. Limited, The .....	Medicine Hat
Purity Flour Mills, Limited .....	14th St. E., at 17th Avenue, Calgary
Renown Mills, Ltd. ....	Bonnybrook Road, Calgary
Robin Hood Flour Mills, Ltd. ....	Ninth Avenue & Fourth St. W., Calgary
St. Paul Flour Mill, Ltd. ....	St. Paul
Vulcan Flour Mill .....	Vulcan
<b>British Columbia:</b>	
Master Baker Flour Mills, Ltd. ....	1315 E. Hastings St., Vancouver



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