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THE FLOUR MILLING INDUSTRY

1956

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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, 40¢
 - Section F. British Columbia, 25¢
 - Section G. The Manufacturing Industries of Canada, Regional Distribution, 75¢
- III – Foods and Beverages
- IV – Tobacco and Tobacco Products
- V – Rubber Products
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- IX – Clothing
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- 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¢
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- 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

1956

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 averaged 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 specializing 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 and 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 merchant 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 value of all shipments in the Flour Milling Industry in 1956 was reported at \$221,769,944, almost unchanged from the 1955 value of \$221,894,538. Wheat flour accounts for 75% or \$167,910,915; bran, shorts and middlings is second in importance with \$31,353,455; rolled oats \$7,444,965; and prepared cake mixes \$5,715,194. Beginning in 1956 the decli-

mal system of packaging flour was introduced. Therefore all 1956 shipments figures are in hundred-weights. However, production figures as in tables 6 and 11 are still shown in barrels of 196 pounds.

Cost of raw materials, fuel and electricity showed increases over 1955. The largest single item purchased is, of course, wheat which amounted to \$158,729,799 for 2,771,085 bushels. Salaries and wages declined slightly to \$15,102,725 in 1956 from \$15,478,817 in 1955, together with a drop in number of employees to 4572 from 4853.

Table 1 showing Principal Statistics includes a column on "value added by manufacture". Prior to 1952 these figures were obtained by subtracting the cost of materials used, including fuel and electricity, from value of production. In 1952 the gross value of production was replaced by value of factory shipments, f.o.b. plant. As no information on inventory change is available for 1952 and 1953 value added figures for these years were obtained by subtracting from the value of shipments the cost of materials, fuel and electricity. Beginning in 1954 information on the value of year-end inventory holdings at plant and plant warehouses was collected as part of the annual Census of Industry and information thus made available was taken into account in calculating the value added figures.

TABLE 1. Principal Statistics for the Years, 1926-1956¹

	Estab- lish- ments	Em- ployees	Salaries and wages	Cost of fuel and electricity	Cost at plant of materials used	Value added by manufacture ³	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 ²	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	85	4,934	15,436,871	1,676,219	195,322,299	35,031,653	232,363,041
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
1956							
Canada	76	4,572	15,102,725	1,775,351	187,100,113	33,071,027	221,769,944
Quebec	4	706	2,703,158	224,392	29,710,561	4,120,456	34,353,452
Ontario	44	1,792	6,054,182	707,757	74,263,823	12,604,808	87,497,208
Manitoba	7	579	1,669,470	187,107	20,906,966	4,129,988	25,141,602
Saskatchewan and British Columbia	10	775	2,595,126	423,309	35,853,484	6,136,808	42,409,197
Alberta	11	720	2,080,789	232,786	26,365,279	6,078,967	32,368,485

1. Profits or losses cannot be estimated from Census figures, as no data are collected for certain expense items such as interest, rent, depreciation, taxes, insurance, advertising, etc.

2. Newfoundland included beginning 1949.

3. See text.

TABLE 2. Shipments of Flour Mills by Classes and by Provinces, 1956

Products	Canada		Quebec	Ontario	
	Quantity	Selling value at mill \$	Quantity	Quantity	
Wheat flour:					
Spring No. 1 or Top Patent including semolina	c.w.t.	7,804,488	34,445,656	2	1,853,257
Spring No. 2 Patent	"	12,220,242	50,944,562	2	5,611,177
Spring No. 3 Patent (Strong Bakers or Export Patent)	"	13,387,625	55,914,790	3,354,205	3,697,356
Whole wheat and Graham flour	"	496,292	2,037,243	2	156,786
Ontario winter wheat flour	"	2,794,735	11,483,253	2	2,793,548
Durum semolina and flour	"	573,046	2,760,686	2	250,592
Lower grades of flour	"	1,667,992	5,963,446	2	680,382
All other	"	1,103,399	4,361,274	2	372,761
Total flour	"	40,052,319	167,910,915	6,237,490	15,415,859
Enriched flour, all grades combined	"	19,500,327	84,073,396	2,687,125	5,932,633
Non-enriched flour, all grades combined	"	20,551,992	83,837,519	3,550,365	9,483,226
Flour and meal, other:					
Prepared or self raising flour	tons	1,942	325,332	—	2
Barley flour	"	—	—	—	—
Barley meal	"	—	—	—	—
Rye flour	"	5,712	425,221	—	4,503
Rye meal	"	762	48,376	—	432
Corn flour	"	340	31,008	—	2
Corn meal	"	3,460	461,280	—	2
Buckwheat flour	"	84	8,584	—	2
Breakfast foods:					
Prepared breakfast food	tons	236	41,195	2	—
Oatmeal	"	2,837	374,081	—	2
Rolled oats	"	43,243	7,444,965	—	2
Rolled or flaked wheat	"	725	83,626	—	2
Unprepared breakfast foods	"	4,025	577,077	—	2
Other products:					
Prepared cake mixes	tons	10,933	5,715,194	2	2
Barley, pot and pearl	"	811	88,109	—	2
Corn, cracked	"	50	3,000	—	2
Shorts and middlings	"	395,430	18,801,315	54,967	160,850
Bran	"	292,839	12,552,140	47,238	112,641
Chopped grain feed ¹	"	21,073	1,218,292	2	15,446
Alfalfa meal	"	—	—	—	—
Offal, not otherwise specified	"	61,524	1,366,438	2	13,016
All other products	"	9,477	1,981,036	8,994	29,442
Prepared stock and poultry feeds:					
Calf feeds	tons	234	20,770	—	106
Dairy and cattle feeds	"	3,293	213,084	—	1,816
Swine feeds	"	8,652	583,919	—	8,205
Poultry feeds:					
Chick starter	"	1,152	98,428	—	422
Broiler feeds	"	2,039	203,084	—	205
Growing mash	"	2,197	161,724	—	1,572
Laying and hatching mash	"	6,912	525,260	—	4,853
Fattening and finishing feeds	"	138	9,481	—	75
Scratch feed	"	907	52,586	—	885
All turkey feeds	"	852	77,212	—	155
Other mixed feeds	tons	4,395	146,844	—	4,147
Mixed concentrates	tons	890	83,332	—	82
Amount received from custom chopping and milling	—	—	137,036	—	—
Total	—	—	221,769,944	—	—

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, 1956 - Concluded

Products		Manitoba	Saskatchewan and British Columbia	Alberta
			Quantity	
Wheat flour:				
Spring No. 1 or Top Patent including semolina	cwt.	954,857	2,275,310	1,499,262
Spring No. 2 Patent.....	"	2,675,990	329,569	1,873,005
Spring No. 3 Patent (Strong Bakers or Export Patent)	"	517,753	3,683,209	2,130,102
Whole wheat and Graham flour.....	"	84,538	164,193	63,330
Ontario winter wheat flour.....	"	-	-	-
Durum semolina and flour.....	"	100,784	-	116,092
Lower grades of flour.....	"	380,123	10,661	425,799
All other.....	"	56,407	418,298	129,188
Total flour.....	"	4,771,452	7,385,240	6,241,778
Enriched flour all grades combined.....	"	2,758,605	3,418,742	4,703,722
Non-enriched flour, all grades combined.....	"	2,012,847	3,967,498	1,538,056
Flour and meal, other:				
Prepared or self raising flour.....	ton	-	2	-
Barley flour.....	"	-	-	-
Barley meal.....	"	-	-	-
Rye flour.....	"	-	-	2
Rye meal.....	"	2	-	2
Corn flour.....	"	-	-	-
Corn meal.....	"	-	2	-
Buckwheat flour.....	"	-	-	-
Breakfast foods:				
Prepared breakfast foods.....	ton	-	2	-
Oatmeal.....	"	2	2	-
Rollled oats.....	"	2	2	-
Rollled or flaked wheat.....	"	2	2	2
Unprepared breakfast foods.....	"	2	-	2
Other products:				
Prepared cake mixes.....	ton	-	-	2
Barley, pot and pearl.....	"	-	2	-
Corn, cracked.....	"	-	-	-
Shorts and middlings.....	"	54,318	67,826	57,519
Bran.....	"	30,621	54,711	47,628
Chopped grain feed ¹	"	2	2	2
Alfalfa meal.....	"	-	-	-
Offal, not otherwise specified.....	"	2	37,048	2,747
All other products.....	"	16,999	28,324	10,433
Prepared stock and poultry feeds:				
Calf feeds.....	ton	2	2	2
Dairy and cattle feeds.....	"	2	-	2
Swine feeds.....	"	2	2	199
Poultry feeds:				
Chick starter.....	ton	2	2	2
Broiler feeds.....	"	2	-	2
Growing mash.....	"	2	2	2
Laying and hatching mash.....	"	2	2	2
Fattening and finishing feeds.....	"	2	2	2
Scratch feed.....	"	-	-	2
All turkey feeds.....	"	2	2	2
Other mixed feeds.....	ton	994	327	7,817
Mixed concentrates.....	ton	-	-	2
Amount received for custom chopping and milling.....	-	-	-	-
Total.....	-	-	-	-

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, 1956

Materials	Canada		Quebec		Ontario	
	Quantity	Value	Quantity	Value	Quantity	Value
	Tons	\$	Tons	\$	Tons	\$
Wheat	2,771,095	158,729,799	427,416	26,216,130	1,075,332	62,439,948
Oats	106,717	5,245,472	689	39,415	29,730	1,656,472
Barley	10,163	488,509	962	51,715	7,067	342,409
Rye	9,538	405,809	—	—	7,715	334,574
Corn	15,749	894,479	—	—	15,156	852,989
Buckwheat	169	9,398	—	—	169	9,398
Peas	—	—	—	—	—	—
Mixed grain for chopping	4,583	216,574	—	—	2,018	99,734
Other grains	1,155	46,048	—	—	810	38,801
Alfalfa	319	18,515	—	—	54	2,075
Vitamins	—	1,073,216	—	135,513	—	394,466
Mill feeds (bran, etc.)	4,233	190,990	—	—	2,631	126,187
Concentrates (all kinds)	5,485	519,939	—	—	3,786	357,925
Other ingredients used	1,244	108,745	—	—	581	36,363
All other materials including chemicals	—	3,861,044	—	1,042,648	—	2,410,333
Cost of containers purchased....	—	14,163,638	—	1,946,581	—	4,763,764
Operating, maintenance and repair supplies	—	1,127,888	—	278,559	—	398,385
Total	—	187,100,113¹	—	29,710,561	—	74,263,823
	Manitoba		Saskatchewan and British Columbia		Alberta	
	Quantity	Value	Quantity	Value	Quantity	Value
	Tons	\$	Tons	\$	Tons	\$
Wheat	332,550	18,123,408	505,436	29,099,042	430,351	22,851,271
Oats	17,308	855,723	56,910	2,612,438	1,580	81,424
Barley	177	6,450	1,156	49,130	801	38,805
Rye	147	5,781	—	—	1,726	65,454
Corn	—	—	—	—	593	41,490
Buckwheat	—	—	—	—	—	—
Peas	—	—	—	—	—	—
Mixed grains for chopping	130	5,900	41	1,850	2,394	109,090
Other grains	28	560	—	—	317	6,687
Alfalfa	—	—	—	—	265	16,440
Vitamins	—	108,993	—	219,968	—	214,276
Mill feeds (bran, etc.)	243	10,838	—	—	1,359	53,965
Concentrates (all kinds)	211	20,940	119	11,920	1,369	129,154
Other ingredients used	—	—	—	—	663	72,382
All other materials including chemicals	—	47,824	—	52,252	—	307,987
Cost of containers purchased....	—	1,614,108	—	3,611,807	—	2,227,428
Operating, maintenance and repair supplies	—	106,441	—	195,077	—	149,426
Total	—	20,906,966	—	35,853,484	—	26,365,279

1. Does not include office supplies used which amounted to \$170,592 in 1956.

TABLE 4. Grains Used for Custom Chopping and Milling for Canada and the Provinces, 1956

	Wheat	Oats	Barley	Rye	Corn	Buck- wheat	Peas	Mixed grains	Total grains	Amount received for custom work
	Tons									\$
Canada.....	4,717	6,776	3,447	—	370	263	8	35,416	50,997	137,036
Quebec.....	—	160	—	—	—	—	—	—	160	484
Ontario.....	2,056	4,347	1,411	—	370	10	5	17,245	25,444	62,175
Manitoba.....	1,110	1,104	1,182	—	—	—	—	24	3,420	10,129
Saskatchewan and British Columbia.....	642	—	—	—	—	—	—	1,596	2,238	13,986
Alberta.....	909	1,165	854	—	—	253	3	16,551	19,735	50,262

TABLE 5. Principal Statistics Classified According to Type of Ownership, 1955-1956

Type	Establish- ments	Employees	Salaries and wages	Cost at plant of materials used	Selling value of factory shipments
	No.	No.	\$	\$	\$
1955					
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				
Total.....	77	4,853	15,478,817	185,004,008	221,894,538
1956					
Individual ownership.....	12	50	93,680	939,976	1,069,160
Partnerships.....	12	89	235,845	1,534,440	1,922,465
Incorporated companies.....	51	4,433	14,773,200	184,625,697	218,778,319
Co-operatives.....	1				
Total.....	76	4,572	15,102,725	187,100,113	221,769,944

TABLE 6. Consumption of Flour in Canada for Years, 1953-1956

	1953	1954	1955	1956
	bbl.			
Production.....	23,445,532	21,098,859	20,558,730	20,541,164
Imports.....	833	1,069	2,313	4,755
Total.....	23,446,365	21,099,928	20,561,043	20,545,919
Exports.....	11,144,214	10,074,061	8,600,710	8,582,516
Available for consumption.....	12,302,151	11,025,867	11,960,333	11,963,403

TABLE 7. Size of Establishments, 1955 and 1956

Establishments having a production of	Estab- lish- ments	Employees	Salaries and wages	Cost at plant of materials used	Selling value of factory shipments
	No.	No.	\$	\$	\$
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
Total	77	4,853	15,478,817	185,004,008	221,894,538
1956					
Under \$50,000.....	12	31	47,038	143,887	204,235
\$50,000 to \$99,999.....	3	14	33,939	147,036	201,368
\$100,000 to \$199,999.....	11	83	216,662	1,211,788	1,565,136
\$200,000 to \$499,999.....	11	125	375,142	3,024,910	3,559,330
\$500,000 to \$999,999.....	6	124	335,444	3,774,148	4,331,211
\$1,000,000 to \$4,999,999.....	16	652	1,997,695	29,917,153	34,116,474
\$5,000,000 and over.....	17	3,543	12,096,805	148,881,191	177,792,190
Total	76	4,572	15,102,725	187,100,113	221,769,944

TABLE 8. Capital, Repair and Maintenance Expenditures, 1951-1956

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.....	471	2,064	2,535	465	1,236	1,701	936	3,300	4,236
1956.....	527	2,344	2,871	311	1,217	1,528	838	3,561	4,399

TABLE 9. Employees, Salaries and Wages, 1955-1956

Year and provinces	Employees on salaries			Employees on wages			Total employees salaries and wages		
	Male	Fe- male	Total salaries	Male	Fe- male	Total wages	Male	Fe- male	Salaries and wages
	No.	No.	\$	No.	No.	\$	No.	No.	\$
1955									
Canada	907	437	4,910,319	3,344	165	10,568,498	4,251	602	15,478,817
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
1956									
Canada	888	425	4,931,518	3,100	159	10,171,207	3,988	584	15,102,725
Quebec.....	142	55	886,517	501	8	1,816,641	643	63	2,703,158
Ontario.....	306	159	1,801,393	1,267	60	4,252,789	1,573	219	6,054,182
Manitoba.....	117	68	545,730	355	39	1,123,740	472	107	1,669,470
Saskatchewan and British Columbia.....	192	83	1,038,718	475	25	1,556,408	667	108	2,595,126
Alberta.....	131	60	659,160	502	27	1,421,629	633	87	2,080,789

TABLE 10. Production Workers, by Months, 1955-1956

Months	1955		1956	
	Male	Female	Male	Female
	Numbers			
January	3,292	142	3,092	168
February	3,350	154	3,132	159
March	3,355	168	3,135	160
April	3,357	142	3,192	148
May	3,395	138	3,173	148
June	3,398	143	3,133	124
July	3,311	144	3,143	149
August	3,357	180	2,958	165
September	3,338	181	2,981	182
October	3,376	199	2,991	180
November	3,339	190	3,196	164
December	3,222	188	3,077	158
Average monthly employment	3,344	165	3,100	159

TABLE 11. Daily Capacity of Flour Mills, 1955-1956

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
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
Total and average	77	93,187	1,210	100.0	20,558,730	266,996	100.0
1956							
Under 100 barrels	16	870	54	1.0	47,139	2,946	0.2
100 to 199 barrels	15	1,835	122	2.0	147,421	9,828	0.7
200 to 299 "	4	860	215	0.9	168,226	42,056	0.8
300 to 499 "	9	3,485	387	3.7	706,868	78,540	3.4
500 to 999 "	5	3,400	680	3.6	714,389	142,878	3.5
1,000 to 2,999 "	15	23,837	1,589	25.5	5,290,501	352,700	25.7
3,000 to 4,999 "	9	34,400	3,822	36.8	8,779,484	975,498	42.7
5,000 barrels and over	3	24,800	8,266	26.5	4,687,136	1,562,379	23.0
Total and average	76	93,487	1,230	100.0	20,541,164	270,278	100.0

TABLE 12. Inventory Values, 1956

	Raw materials and supplies	Goods in process	Finished goods of own manufacture	Total inventory
	\$	\$	\$	\$
Opening inventory ¹ :				
Canada	26,931,719	5,710	7,736,007	34,673,436
Quebec	4,986,282	—	1,232,148	6,218,430
Ontario	10,362,019	2,791	3,739,903	14,104,713
Manitoba	1,106,782	—	325,632	1,432,414
Saskatchewan and British Columbia	5,618,485	2,919	1,135,180	6,756,584
Alberta	4,858,151	—	1,303,144	6,161,295
Closing inventory:				
Canada	28,587,309	22,185	7,896,079	36,505,573
Quebec	4,987,348	—	934,105	5,921,453
Ontario	11,941,778	18,500	3,803,374	15,763,652
Manitoba	1,190,931	—	408,091	1,599,022
Saskatchewan and British Columbia	6,942,709	3,685	1,138,818	8,085,212
Alberta	3,524,543	—	1,611,691	5,136,234

1. The opening inventory for the current year differs from the closing inventory published last year due to transfers, discards, corrections, or addition of new firms.

TABLE 13. Equipment and Capacity of Flour Mills, 1956

Province	Establishments	Pairs of rolls	Pairs of stones	Estimated maximum capacity per day
	No.	No.	No.	Ebl.
Quebec	4	480	—	10,550
Ontario	44	1,290	23	42,090
Manitoba	7	278	3	10,650
Saskatchewan and British Columbia	10	460	—	13,385
Alberta	11	524	—	16,812
Canada	76	3,032	26	93,487

TABLE 14. Imports of Milled Products and Grains by Quantity and Value, 1955-1956

Articles imported	1955		1956	
	Quantity	Value	Quantity	Value
		\$		\$
Milled products:				
Wheat flour	bbl. 2,313	26,084	4,755	66,738
Buckwheat meal and flour	cwt. —	—	—	—
Cornmeal	bbl. 5,143	38,955	11,195	78,190
Malt flour	lb. 530,260	42,065	546,500	40,710
Rye flour	bbl. 608	5,312	912	7,224
Oatmeal and rolled oats	lb. 7,036	845	11,140	1,439
Barley, pot and pearl	lb. 88,055	6,578	14,656	3,009
Hominy, cracked, ground, etc.	cwt. 167,283	598,275	138,528	498,129
Bran and mill feed	" 98,890	236,483	263,674	530,479
Cereal food in packages	lb. 1,394,937	310,311	1,784,344	394,098
Cereal foods, n.o.p.	—	1,139,449	—	993,245
Semolina	bbl. 12	275	—	—
Total value of milled products imported	—	2,404,632	—	2,613,261
Grains:				
Wheat	bu. 88,081	159,447	285	840
Oats	" 33,689	40,757	16,230	37,928
Barley, buckwheat and rye	" 3,944	9,025	3,257	6,543
Corn for all purposes	" 4,163,672	6,672,682	8,438,040	12,570,248
Total value of grains imported	—	6,881,911	—	12,615,563

TABLE 15. Exports of Milled Products and Grains by Quantity and Value, 1955-1956

Articles exported	1955		1956	
	Quantity	Value	Quantity	Value
		\$		\$
Milled products:				
Rye flour	bbl.	—	—	—
Wheat flour	"	8,600,710	8,582,516	71,549,019
Oatmeal and rolled oats	cwt.	132,200	64,512	573,064
Bran, shorts and middlings	"	2,581,506	2,364,133	5,653,004
Malt	bu.	3,879,637	4,345,947	8,538,722
Screenings	cwt.	—	—	—
Cornmeal	bbl.	33,166	29,769	244,460
All other meals, n.o.p.	cwt.	2,246	540	1,658
Cereal foods, prepared, all kinds	—	—	—	339,543
Total value of milled products exported.....	—	90,138,724	—	86,899,470
Grains:				
Wheat	bu.	189,966,925	302,449,702	512,498,444
Oats	"	12,528,789	10,112,072	9,316,319
Barley	"	63,905,958	81,095,422	94,976,982
Corn	"	1,033,480	1,781,214	3,107,344
Rye	"	9,263,832	10,968,907	14,217,686
Buckwheat	"	362,811	228,699	325,225
Total value of grains exported.....	"	439,288,684	—	634,442,000

TABLE 16. Consumption of Fuel and Electricity, 1953 and 1956¹

Kind	Unit of measure	1953		1956	
		Quantity	Cost at plant	Quantity	Cost at plant
			\$		\$
Bituminous coal (a) From Canadian mines	ton	1,241	18,339	1,447	17,828
(b) Imported	"	3,434	39,036	4,354	46,861
Sub-bituminous coal (from Alberta mines only)	"	1,976	11,414	—	—
Anthracite coal	"	552	10,968	735	13,088
Lignite coal	"	12,876	63,553	13,832	66,467
Coke (for fuel only)	"	—	—	—	—
Gasoline	imp. gal.	337,210	124,046	462,333	183,590
Kerosene or coal oil	" "	875	197	652	126
Fuel oil	" "	1,133,114	110,126	1,473,004	192,407
Wood	cord	162	1,501	118	673
Gas (a) Liquefied petroleum gases (propane etc.)	imp. gal.	2,128	468	2,642	992
(b) Other manufactured gas	1,000 cu. ft.	142	34	22	33
(c) Natural gas	" " "	179,985	26,430	92,982	22,475
Other fuel	—	—	2,400	—	25,544
Electricity purchased	k.w.h.	145,066,525	1,241,554	128,248,839	1,205,267
Total cost of fuel and electricity	—	—	1,650,066	—	1,775,351

1. Not collected in 1954 and 1955.

List of Firms in the Flour Milling Industry, 1956

Name of Firm	Address
Quebec:	
Eastern Canada Flour Mills Ltd.	4394 St. Ambroise St., Montreal
McDonald & Robb Limited	70 Chaussée St., Valleyfield
The Ogilvie Flour Mills Co., Ltd.	P.O. Box 6089, Montreal
Robin Hood Flour Mills Ltd.,	2110 Notre Dame St. West, Montreal
Ontario:	
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.	Ford St., Comber
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
Hawken Milling Company	Wallaceburg
Hayhoe Bros.	Pipe Grove
Hogg & Sons Ltd., George	Thamesford
Hortop & Son, W.H.	Everton
Howson & Howson, Ltd.	Blyth
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 & Feed 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. 4, Goderich
Phenix Mills, Limited	69 Ainslie St., South, Galt
Pillsbury of Canada Ltd.	206 King St., Midland
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	Tavistock

List of Firms in the Flour Milling Industry, 1956 - Concluded

Name of Firm	Address
Ontario - concluded	
Taylor Co. Limited, The T.H.	14 William St. N., Chatham
Vanstone Flour & Feed Mill	116 King St. W., Bowmanville
Manitoba:	
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
Maple Leaf - Purity Mills, Limited	480 Archibald St., St. Boniface
Soo Line Mills, Limited	7 Higgins Ave., Winnipeg
Steinbach Flour Mills	Steinbach
Saskatchewan:	
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
Alberta:	
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
Pillsbury of Canada 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
British Columbia:	
Master Baker Flour Mills, Ltd.	1315 E. Hastings St., Vancouver

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