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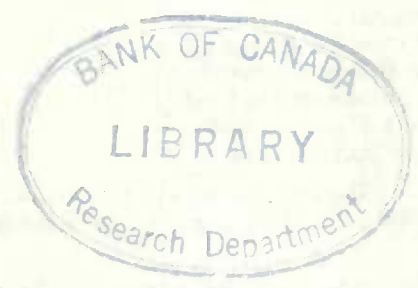


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THE FLOUR MILLING INDUSTRY 1953

(For previous reports see "The flour and milling industries")



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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, 25¢
 - Section C. Quebec, 25¢
 - Section D. Ontario, 25¢
 - Section E. Prairie Provinces, 25¢
 - 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
- VI—Leather Products
- VII—Textiles
- VIII—Wood and Paper Products
- IX—Printing Trades
- X—Iron and Steel Products
- XI—Transportation Equipment
- XII—Non-ferrous Metal Products
- XIII—Electrical Apparatus and Supplies
- XIV—Non-metallic Mineral Products
- XV—Products of Petroleum and Coal
- XVI—Chemicals and Allied Products
- XVII—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, and Sausage and Sausage Casings 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¢
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- K—The Carbonated Beverages 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

1953

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 12,078,671 barrels in 1950 but increased to 13,246,269 barrels in 1952. 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 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 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 total value of all shipments of the Flour Milling Industry in 1953 amounted to \$266,430,548, a decrease of 2.9 per cent from \$274,208,040 recorded in 1952. It should be noted that five mills discontinued operations in this period, four in the province of Ontario and one in the province of Alberta.

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 production of enriched and non-enriched flour separately by types for Canada and the provinces for 1953.

Out of the total value of shipments of more than \$266,000,000 in 1953, the total value of the shipments of flour amounted to \$209,141,362. Next in importance were the shipments of more than \$38,000,000 worth of bran, shorts and middlings while certain types of specially prepared flour and milled products amounted to slightly over \$10,662,000. It should be noted that the shipments of Prepared Cake Mixes in this industry alone approached \$7,000,000 while the total value of shipments of Prepared Stock and Poultry Feeds including concentrates and custom milling and chopping approximated \$1,500,000.

While the value of wheat flour shipments from plant decreased 1.4 per cent in 1953 compared to 1952, the physical volume of shipments decreased .04 per cent in the same period. This indicates an increase in unit value.

There was no change in the number of workers employed in the industry in 1953 when 4,962 employees were reported compared with 4,961 in the previous year. Total salaries and wages for 1953 were approximately \$500,000 more than 1952 and rose to \$14,946,310. Of total employment, 1,330 employees were used in the administrative and clerical end of the industry and drew about \$250,000 more than in 1952. The number of wage-earners was 3,632 and the industry paid them \$10,192,498 in wages, approximately the same amount of wages as were paid in 1952.

The total cost of raw materials amounted to \$224,518,387 in 1953. This includes the cost of grain, mill feeds, concentrates, vitamins and packing materials. Purchases of wheat amounted to slightly more than \$199,000,000 while the cost of containers and packing materials amounted to \$14,587,000. The next largest item of expense was that of oats which amounted to \$4,948,000 while other grains purchased including mixed grain for chopping amounted to approximately \$2,000,000.

Comparing some of the principal products of manufacture, it is noted that the volume of flour shipped showed a slight reduction to 23,445,533 barrels, about 50,000 barrels less than 1952. Exports of flour decreased slightly more than 2,000,000 barrels from 1952. Because of this drop in exports, the amount of all types of flour available for domestic consumption amounted to 12,302,151 barrels, an increase of approximately 2,000,000 barrels over 1952 and about 1,000,000 barrels more than 1951.

In 1953 the mills were requested to report their power equipment together with a breakdown of the fuel used. The results are shown in Tables 15 and 16 together with comparable figures for 1948, the last year these figures were collected.

TABLE 1. Principal Statistics for the Years, 1924-1953¹

Year	Estab- lish- ments	Capital invested	Em- ployees	Salaries and wages	Cost of materials used	Selling value of factory shipments
	No.	\$	No.	\$	\$	\$
1924	457	59,509,871	5,585	7,160,527	127,121,425	152,158,718
1925	455	55,011,056	5,119	6,504,691	138,015,759	158,357,187
1929	409	61,215,205	5,308	6,714,960	122,732,637	148,625,920
1933	413	51,989,432	4,153	4,422,689	47,370,002	63,826,247
1937	335	49,617,744	4,469	5,069,315	85,508,000	107,342,460
1939	303	41,167,975	4,540	5,621,370	54,581,608	76,249,359
1944	224	—	5,461	8,925,161	150,076,053	172,977,943
1946	184	—	6,012	10,884,848	181,217,062	211,573,028
1949	133	—	5,033	11,965,400	211,605,095	241,250,234
1950	118	—	4,903	11,917,625	213,755,757	247,107,775
1951	108	—	4,864	13,596,597	242,132,072	280,866,778
1952						
Canada	100	—	4,961	14,688,635	236,194,234	274,208,040
Quebec	4	—	603	2,142,800	27,968,347	32,423,749
Ontario	59	—	2,221	6,707,867	108,077,352	124,735,608
Manitoba.....	8	—	542	1,320,375	25,619,640	28,060,490
Saskatchewan and British Columbia ..	14	—	787	2,394,870	39,116,840	48,093,138
Alberta	15	—	808	2,122,723	35,412,055	40,895,055
1953						
Canada	95	—	4,962	14,946,310	224,518,387	266,430,548
Quebec	4	—	598	2,180,988	26,799,880	32,770,433
Ontario	55	—	2,172	6,806,826	101,470,921	119,499,336
Manitoba.....	8	—	543	1,318,422	23,657,789	26,836,993
Saskatchewan and British Columbia ..	14	—	780	2,492,026	37,779,735	47,792,096
Alberta	14	—	869	2,148,048	34,810,062	39,531,690

1. Cost of materials used and selling value of shipments 1924 to 1949 have been revised to exclude the estimated value of the volume of grains handled in Custom Milling. Thus, data for 1949 and previous years have been made comparable to the new basis instituted in 1950 and used in succeeding years. This change in statistical treatment does not affect the net value of production for the industry.

2. Gross value of production for 1951 and preceding years. The selling value of factory shipments was not introduced until 1952.

TABLE 2. Shipments of Flour Mills by Classes and the Provinces, 1953

Products	Canada		Quebec	Ontario
	Quantity	Selling value at mill	Quantity	Quantity
		\$		
Spring No. 1 or Top Patent, including Semolina:				
(a) Enriched	bbl. 2,303,616	22,795,024	158,835	696,569
(b) Non-enriched.....	" 1,574,811	15,103,571	55,350	434,432
Spring No. 2 Patent:				
(a) Enriched	" 2,909,883	25,188,112	321,563	1,368,571
(b) Non-enriched.....	" 2,291,937	19,173,880	164,236	802,362
Spring No. 3 Patent (Strong Bakers or Export Patent):				
(a) Enriched	" 4,113,432	36,403,268	1,139,510	1,399,633
(b) Non-enriched.....	" 5,747,847	50,924,477	451,356	2,602,148
Ontario Winter wheat flour:				
(a) Enriched	" 288,161	2,550,115	247	287,914
(b) Non-enriched.....	" 1,275,743	11,033,389	304	1,275,439
Durum Semolina and flour:				
(a) Enriched	" 134,129	1,467,619	131,129	3,000
(b) Non-enriched.....	" 278,226	2,572,792	—	239,651
Lower grades of flour:				
(a) Enriched	" 268,074	2,242,242	195,439	32,429
(b) Non-enriched.....	" 1,667,176	11,692,593	34,836	1,134,173
All other	" 450,750	3,709,314	70,691	97,665
Flour and meal, other:				
Whole wheat and Graham flour.....	bbl. 265,831	2,284,966	903	69,153
Prepared or self raising flour.....	tons —	—	—	—
Barley flour.....	" —	—	—	—
Barley meal.....	" —	—	—	—
Rye flour	" 4,326	318,868	—	3,449
Rye meal	" 189	15,370	—	189
Corn flour	" 411	40,802	—	411
Corn meal	" 3,947	469,788	—	3,947
Buckwheat flour.....	" 106	8,086	—	106
Breakfast foods:				
Prepared breakfast foods	tons 202	91,884	70	—
Oatmeal.....	" 1,622	191,518	—	130
Rolled oats	" 42,336	6,478,389	—	8,613
Rolled or flaked wheat	" 423	52,582	—	219
Unprepared breakfast foods	" 4,712	789,775	20	2,137
Other products:				
Prepared cake mixes	tons 16,400	6,780,605	2	2
Barley, pot and pearl.....	" 886	90,084	—	69
Corn, cracked	" 30	2,100	—	30
Shorts and middlings	" 442,946	22,903,630	49,920	212,928
Bran	" 329,495	15,781,909	32,941	144,745
Chopped grain feed ¹	" 28,665	1,322,983	1,133	19,556
Alfalfa meal	" 1,646	49,380	—	1,646
Offal, not otherwise specified.....	" 66,848	1,918,642	2,269	13,755
All other products	" 3,781	231,489	3,470	14,593
Prepared stock and poultry feeds:				
Calf meals.....	tons 212	18,886	—	143
Dairy and cattle feeds.....	" 2,610	166,415	—	1,753
Swine feeds.....	" 9,382	631,746	—	9,250
Poultry feeds:				
Chick starter.....	" 890	80,769	—	676
Growing mash	" 2,214	170,762	—	1,936
Laying and hatching mash	" 4,989	384,954	—	4,235
Other mash	" —	—	—	—
Scratch feed	" 791	50,877	—	771
All turkey feeds	" 170	15,102	—	68
Other mixed feeds	tons 1,014	70,347	—	901
Mixed concentrates	tons 138	13,190	—	105
Amount received from custom chopping and milling....	—	148,254	—	—
Total	—	266,430,548	—	—

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 the Provinces, 1953 - Concluded

Products	Manitoba	Saskatchewan and British Columbia		Alberta
		Quantity		
Spring No. 1 or Top Patent, including Semolina:				
(a) Enriched	250, 114	718, 477		479, 621
(b) Non-enriched	228, 010	740, 370		116, 649
Spring No. 2 Patent:				
(a) Enriched	474, 822	197, 603		547, 324
(b) Non-enriched	808, 812	76, 536		439, 991
Spring No. 3 Patent (Strong Bakers or Export Patent):				
(a) Enriched	148, 083	774, 795		651, 411
(b) Non-enriched	482, 507	1, 228, 863		982, 973
Ontario Winter wheat flour:				
(a) Enriched	—	—		—
(b) Non-enriched	—	—		—
Durum Semolina and flour:				
(a) Enriched	—	—		—
(b) Non-enriched	21, 763	—		16, 812
Lower grades of flour:				
(a) Enriched	33, 507	5, 380		1, 319
(b) Non-enriched	88, 832	106, 981		302, 354
All other	11, 218	100, 273		170, 903
Flour and meal, other:				
Whole wheat and Graham flour	62, 682	91, 235		41, 858
Prepared or self raising flour	—	—		—
Barley flour	—	—		—
Barley meal	—	—		—
Rye flour	—	—		877
Rye meal	—	—		—
Corn flour	—	—		—
Corn meal	—	—		—
Buckwheat flour	—	—		—
Breakfast foods:				
Prepared breakfast foods	—	132		—
Oatmeal	564	594		334
Roller oats	7, 880	21, 917		3, 926
Roller or flaked wheat	165	39		—
Unprepared breakfast foods	1, 322	—		1, 233
Other products:				
Prepared cake mixes	—	—		—
Barley, pot and pearl	—	725		92
Corn, cracked	—	—		—
Shorts and middlings	53, 410	62, 710		63, 978
Bran	33, 853	61, 261		56, 695
Chopped grain feed ¹	1, 292	2, 235		4, 449
Alfalfa meal	—	—		—
Offal, not otherwise specified	272	40, 628		9, 924
All other products	—	2, 118		—
Prepared stock and poultry feeds:				
Calf meal	8	8		53
Dairy and cattle feeds	82	130		645
Swine feeds	32	65		35
Poultry feeds:				
Chick starter	36	79		99
Growing mash	22	27		229
Laying and hatching mash	48	61		645
Other mash	—	—		—
Scratch feed	—	20		—
All turkey feeds	1	25		76
Other mixed feeds	—	17		75
Mixed concentrates	—	33		—
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.

TABLE 3. Materials Used in Flour Mills, by Provinces, 1953

Materials	Canada		Quebec		Ontario	
	Quantity	Value	Quantity	Value	Quantity	Value
	Tons	\$	Tons	\$	Tons	\$
Wheat	3, 137, 615	199, 362, 623	362, 150	24, 757, 746	1, 407, 861	91, 205, 589
Oats	104, 168	4, 948, 958	630	34, 965	27, 976	1, 462, 675
Barley	10, 443	525, 396	515	31, 930	6, 106	304, 543
Rye	7, 325	431, 247	—	—	6, 055	353, 660
Corn	10, 912	701, 893	—	—	10, 898	700, 972
Eckwheat	251	9, 109	—	—	251	9, 109
Peas	1	130	—	—	1	130
Mixed grain for chopping	4, 618	204, 076	—	—	4, 281	195, 667
Other grains	964	51, 528	—	—	964	51, 528
Alfalfa	1, 768	31, 157	—	—	1, 722	29, 076
Vitamins	—	970, 565	—	110, 749	—	359, 585
Mill feeds (bran, etc.)	2, 598	127, 588	—	—	1, 865	97, 650
Concentrates (all kinds)	2, 995	316, 043	—	—	2, 810	296, 892
Other ingredients used	1, 043	82, 199	—	—	470	37, 598
All other materials	—	2, 168, 242	—	764, 442	—	1, 156, 210
Cost of containers purchased	—	14, 587, 633	—	1, 282, 048	—	5, 210, 037
Total	—	224, 518, 387	—	26, 769, 880	—	101, 470, 921
	Manitoba		Saskatchewan and British Columbia		Alberta	
	Quantity	Value	Quantity	Value	Quantity	Value
	Tons	\$	Tons	\$	Tons	\$
Wheat	351, 647	21, 274, 025	525, 639	31, 523, 234	490, 319	30, 784, 029
Oats	15, 934	782, 979	47, 022	2, 058, 389	12, 606	609, 950
Barley	485	22, 903	2, 167	109, 716	1, 170	56, 304
Rye	—	—	20	1, 075	1, 250	76, 512
Corn	11	715	—	—	?	206
Buckwheat	—	—	—	—	—	—
Peas	—	—	—	—	—	—
Mixed grains for chopping	—	—	—	—	337	8, 409
Other grains	—	—	—	—	—	—
Alfalfa	—	—	—	—	46	2, 081
Vitamins	—	103, 540	—	206, 126	—	190, 565
Mill feeds (bran, etc.)	61	2, 740	135	6, 762	537	20, 436
Concentrates (all kinds)	50	5, 140	110	11, 548	25	2, 463
Other ingredients used	—	—	52	4, 466	521	40, 135
All other materials	—	45, 504	—	77, 737	—	124, 349
Cost of containers purchased	—	1, 420, 243	—	3, 780, 682	—	2, 894, 638
Total	—	23, 657, 789	—	37, 779, 735	—	34, 810, 062

TABLE 4. Grains Used for Custom Chopping and Milling for Canada and the Provinces, 1953

	Wheat	Oats	Barley	Rye	Corn	Buck-wheat	Peas	Mixed grains	Total grains	Amount received for custom work
	Tons									
Canada	4,136	8,000	4,248	-	477	-	-	42,922	59,783	148,254
Quebec	-	360	-	-	-	-	-	-	360	1,260
Ontario	2,763	5,898	2,170	-	477	-	-	25,570	36,878	89,238
Manitoba	226	923	1,237	-	-	-	-	-	2,386	7,069
Saskatchewan and British Columbia...	770	226	12	-	-	-	-	2,041	3,049	16,569
Alberta	377	593	829	-	-	-	-	15,311	17,110	34,118

TABLE 5. Principal Statistics Classified According to Type of Ownership, 1952-1953

Type	Establishments	Employees	Earnings	Cost at plant of materials used	Selling value of factory shipments
	No.	No.	\$	\$	\$
1952					
Individual ownership.....	17	61	107,338	1,249,665	1,498,433
Partnerships.....	19	155	353,989	3,444,759	4,166,116
Incorporated companies	61	4,745	14,227,308	231,499,810	268,543,491
Co-operatives.....	2				
Total	99	4,961	14,688,635	236,194,234	274,208,040
1953					
Individual ownership.....	16	63	110,618	1,183,333	1,407,091
Partnerships.....	17	126	298,417	2,136,206	2,626,940
Incorporated companies	60	4,773	14,537,275	221,198,848	262,396,517
Co-operatives.....	2				
Total	95	4,962	14,946,310	224,518,387	266,430,548

TABLE 6. Consumption of Flour in Canada for Years, 1950-1953

	1950	1951	1952	1953
Production	20,577,134	23,377,835	23,492,848	23,445,532
Imports	463	1,752	4,327	833
Total	20,577,597	23,379,587	23,497,175	23,446,365
Exports	10,095,002	12,078,671	13,246,269	11,144,214
Available for Consumption.....	10,482,595	11,300,916	10,250,906	12,302,151

TABLE 7. Size of Establishments, 1952 and 1953

Establishments having a production of	Estab- lish- ments	Employees	Salaries and wages	Cost of materials used	Total production
	No.	No.	\$	\$	\$
1952					
Under \$50,000.....	20	42	55,943	315,895	427,573
\$50,000 to \$99,999.....	5	17	33,363	335,798	400,738
\$100,000 to \$199,999.....	12	77	183,655	1,324,394	1,621,362
\$200,000 to \$499,999.....	14	141	323,279	3,357,911	4,046,773
\$500,000 to \$999,999.....	8	153	407,071	4,878,181	5,589,757
\$1,000,000 to \$4,999,999.....	24	933	2,525,046	44,692,040	52,909,392
\$5,000,000 and over.....	17	3,598	11,160,278	181,290,015	209,212,445
Total	100	4,961	14,688,635	236,194,234	274,208,040
1953					
Under \$50,000.....	16	29	34,769	148,215	202,129
\$50,000 to \$99,999.....	9	46	91,416	515,533	669,666
\$100,000 to \$199,999.....	13	91	207,210	1,687,451	2,059,548
\$200,000 to \$499,999.....	9	105	258,567	2,040,316	2,579,507
\$500,000 to \$999,999.....	9	178	491,270	6,329,678	7,642,817
\$1,000,000 to \$4,999,999.....	20	777	2,162,516	38,338,932	45,296,103
\$5,000,000 and over.....	19	3,736	11,700,562	175,458,262	207,980,778
Total	95	4,962	14,946,310	224,518,387	266,430,548

TABLE 8. Capital, Repair and Maintenance Expenditures, 1949-1953

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)									
1949.....	3,012	3,872	6,884	267	1,505	1,772	3,279	5,377	8,656
1950.....	719	2,276	2,995	181	1,488	1,669	900	3,764	4,664
1951.....	403	1,801	2,204	364	1,547	1,911	767	3,348	4,115
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

TABLE 9. Employees and their Earnings, 1952-1953

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.	\$
1952									
Canada	932	449	4,517,315	3,441	139	10,171,320	4,373	588	14,688,635
Quebec.....	155	57	855,109	391	—	1,287,691	546	57	2,142,800
Ontario.....	377	175	1,924,464	1,639	30	4,783,403	2,016	205	6,707,867
Manitoba.....	89	66	364,825	345	42	955,550	434	108	1,320,375
Saskatchewan and British Columbia.....	161	88	787,242	510	28	1,607,629	671	116	2,394,870
Alberta.....	150	63	585,676	556	39	1,537,047	706	102	2,122,723
1953									
Canada	895	435	4,753,812	3,474	158	10,192,498	4,369	593	14,946,310
Quebec.....	147	56	898,293	395	—	1,282,695	542	56	2,180,988
Ontario.....	370	153	1,999,730	1,608	41	4,807,096	1,978	194	6,806,826
Manitoba.....	90	67	383,203	345	41	935,219	435	108	1,318,422
Saskatchewan and British Columbia.....	146	91	848,545	517	26	1,643,481	663	117	2,492,026
Alberta.....	142	68	624,041	609	50	1,524,007	751	118	2,148,048

TABLE 10. Production Workers, by Months, 1952 and 1953

Months	1952		1953	
	Male	Female	Male	Female
	Numbers			
January	3,403	116	3,424	142
February	3,378	115	3,439	153
March	3,352	111	3,449	143
April	3,340	113	3,564	138
May	3,432	115	3,398	112
June	3,402	120	3,403	137
July	3,471	122	3,486	172
August	3,514	141	3,506	194
September	3,572	175	3,487	173
October	3,520	201	3,535	192
November	3,542	180	3,545	184
December	3,323	145	3,420	154
Average monthly employment	3,441	139	3,474	158

TABLE 11. Consumption of Fuel and Electricity, 1948 and 1953

Kind	Unit of measure	1948		1953	
		Quantity	Cost at plant	Quantity	Cost at plant
			\$		\$
Bituminous coal:					
(a) From Canadian mines	tons	6,324	50,166	1,241	18,339
(b) Imported	"	22,443	228,171	3,434	39,036
Sub-bituminous coal (from Alberta mines only)	"	663	5,028	1,976	11,414
Anthracite coal	"	464	6,586	552	10,968
Lignite coal	"	12,187	53,706	12,876	63,553
Coke	"	16	230	-	-
Gasoline (includes gasoline used in cars and trucks)	Imp. gal.	242,872	86,202	337,210	124,046
Kerosene or coal oil	" "	1,182	331	875	197
Fuel oil	" "	234,612	41,877	1,133,114	110,126
Wood	cords	4,519	5,232	162	1,501
Gas:					
(a) Liquefied petroleum gases	Imp. gal.	-	-	2,128	468
(b) Other manufactured gas	1,000 cu. ft.	-	-	142	34
(c) Natural gas	" " "	205,630	23,411	179,985	26,430
Other fuel	-	-	11,117	-	2,400
Electricity purchased:					
(a) For lighting and motors	k.w.h.	143,949,419	1,189,245	142,992,246	1,221,341
(b) For other purposes	"	-	-	2,074,279	20,213
Total cost of fuel and electricity	-	-	1,701,302	-	1,650,066

TABLE 12. Daily Capacity of Flour Mills, 1952 and 1953

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	%
1952							
Under 100 barrels	23	1,154	50	1.1	47,430	2,062	0.2
100 to 199 barrels.....	23	2,840	124	2.7	313,484	13,629	1.3
200 to 299 barrels.....	6	1,325	221	1.3	193,460	32,245	1.0
300 to 499 barrels.....	14	5,180	370	5.0	1,261,030	90,073	5.3
500 to 999 barrels.....	8	5,625	703	5.3	1,128,208	141,026	4.8
1,000 to 2,999 barrels.....	14	22,530	1,609	21.4	5,522,158	394,439	23.5
3,000 to 4,999 barrels.....	7	25,450	3,636	24.2	7,149,402	1,021,343	30.4
5,000 barrels and over	5	41,000	8,200	39.0	7,877,676	1,575,535	33.5
Total and average	100	105,104	1,051	100.0	23,492,848	234,928	100.0
1953							
Under 100 barrels	19	1,023	54	1.0	32,876	1,730	0.1
100 to 199 barrels.....	23	2,845	124	2.7	304,187	13,225	1.3
200 to 299 barrels.....	6	1,285	214	1.3	200,052	33,342	0.9
300 to 499 barrels.....	11	4,050	368	4.0	864,468	78,588	3.7
500 to 999 barrels.....	9	5,750	639	5.7	1,193,983	132,065	5.1
1,000 to 2,999 barrels.....	16	26,530	1,658	26.2	6,579,870	411,242	28.0
3,000 to 4,999 barrels.....	7	25,950	3,707	25.5	6,765,425	966,489	28.9
5,000 barrels and over	4	34,000	8,500	33.6	7,504,671	1,876,167	32.0
Total and average	95	101,433	1,068	100.0	23,445,532	246,795	100.0

TABLE 13. Power Equipment, 1948 and 1953

Equipment	1948		1953		
	Number of units	Rated horse-power	Number of units	Rated horse-power	
Steam engines and steam turbines	In use	8	220	2	1,725
	Idle	4	245	—	—
Diesel engines.....	In use	198	10,748	8	595
	Idle	11	493	2	137
Gasoline, gas and oil engines, other than diesel.....	In use	161	6,611	3	183
	Idle	25	784	1	48
Hydraulic turbines or water wheels	In use	246	9,988	56	11,082
	Idle	12	676	—	—
Electric motors operated by purchased power.....	In use	1,262	18,130	4,221	63,506
	Idle	46	658	191	3,469
Total power available for use in manufacturing.....		1,973	48,553	4,484	80,745
Electric motors operated by power generated by the establishment... In use	—	—	—	—	—
	Idle	—	—	—	—
Bollers	In use	3	180	3	125
	Idle	1	50	—	—
Motor generator sets	In use	3	20	3	53
	Idle	—	—	—	—

TABLE 14. Equipment and Capacity of Flour Mills, 1953

Province	Establishments	Pairs of rolls	Pairs of stones	Estimated maximum capacity per day
	No.	No.	No.	Bbl.
Quebec	4	284	—	10,250
Ontario	55	1,464	24	49,453
Manitoba	8	267	2	10,250
Saskatchewan and British Columbia	14	504	—	15,200
Alberta	14	520	—	16,280
Canada	95	3,039	26	101,433

TABLE 15. Imports of Milled Products and Grains by Quantity and Value 1952 and 1953

Articles imported	1952		1953	
	Quantity	Value	Quantity	Value
		\$		\$
Milled products:				
Wheat flour	bbl. 4,327	45,012	833	10,937
Buckwheat meal and flour	cwt. 20	204	—	—
Cornmeal	bbl. 5,275	53,437	4,895	45,993
Malt flour	lbs. 413,780	33,137	356,200	29,026
Rye flour	bbbls. 1,781	16,733	2,152	15,124
Oatmeal and rolled oats	lbs. 34,825	3,340	425,175	40,266
Barley, pot and pearl	lbs. 12,180	1,274	12,576	1,093
Hominy, cracked, ground, etc.	cwt. 239,563	1,060,843	105,119	501,052
Bran and mill feed	" 55,008	199,600	25,716	90,642
Cereal food in packages	lbs. 804,781	196,415	1,980,699	560,842
Cereal foods, n.o.p.	—	209,593	—	281,231
Semolina	bbl. —	—	—	—
Total value of milled products imported	—	1,819,588	—	1,576,206
Grains:				
wheat	bu. 4,008	18,847	6,838	26,830
Oats	" 275	515	11,425	18,143
Barley, buckwheat and rye	" 9,601	17,811	2,224	3,665
Corn for all purposes	" 6,319,754	11,693,476	4,201,939	7,509,984
Total value of grains imported	—	11,730,649	—	7,558,622

TABLE 16. Exports of Milled Products and Grains by Quantity and Value, 1952 and 1953

Articles exported	1952		1953	
	Quantity	Value	Quantity	Value
		\$		\$
Milled products:				
Rye flour	bbl. —	—	—	—
Wheat flour	" 13,246,269	116,054,531	11,144,214	102,160,443
Oatmeal and rolled oats	cwt. 115,263	917,368	84,965	638,933
Bran, shorts and middlings	" 5,985,774	16,596,523	4,144,097	9,936,862
Malt	bu. 3,520,644	7,672,336	3,293,579	7,354,739
Screenings	cwt. —	—	—	—
Cornmeal	bbl. 15,535	163,458	22,083	187,558
All other meals, n.o.p.	cwt. 12,468	59,159	30,979	97,104
Cereal foods, prepared, all kinds	—	187,821	—	66,776
Total value of milled products exported	—	141,551,196	—	120,442,415
Grains:				
Wheat	bu. 336,023,883	621,292,402	290,073,264	567,906,882
Oats	" 80,938,416	68,239,757	80,392,982	60,402,612
Barley	" 102,713,061	145,683,686	109,372,478	136,729,411
Corn	" 107,541	517,210	1,286,270	2,466,579
Rye	" 9,173,488	17,198,260	17,130,477	20,186,293
Buckwheat	" 303,612	513,200	477,439	611,780
Total value of grains exported	—	853,444,515	—	788,303,557

List of Firms in the Flour Milling Industry, 1953

Name of Firm	Address
Quebec:	
Eastern Canada Flour Mills Ltd.	4394 St. Ambroise St. Montreal
McDonald & Robb Limited	70 Chaussee 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
Ontario:	
Acton Flour Mills	62 Mill St., Acton
Almonte Flour Mills, Limited	P.O. Box 60, Almonte
Arva Flour Mills	Arva
Aurora Milling Co. Limited	Wellington St., Aurora
Brooklin Flour Mills	Box 45, Brooklin
Caledonia Milling Co. Ltd.	Caledonia
Campbell & McNab	Douglas
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
Elder Flour Mills, Limited	1050 King St. W., Toronto
Elizabeth Flour & Feed Milling Co.	10 Dawes Road, Toronto
Great Star Flour Mills, Limited	Water St., St. Mary's
Hawken Milling Company	Wallaceburg
Hayhoe Bros.	Pine Grove
Henkel's Flour Mill	Chesley
Hillsdale Flour & Feed Mills	Hillsdale
Hogg & Sons Ltd., George	Thamesford
Hortop & Son, W. H.	Everton
Howson & Howson, Ltd.	Plyth
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
Lakeside Milling Co. Limited	221 Esplanade, Toronto 2
Lang Flour Mill	Lang
McCarthy Milling Co. Limited	Streetsville
McLean Estate, John	Palgrave
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 Milling Co. Limited	69 Ainslie St., South, Galt
Quaker Oats Company of Canada Limited, The	Peterborough
Reid Milling Co. Limited	Streetsville
Robin Hood Flour Mills, Limited	Humberstone
Rock & Son, John	R. R. No. 2, Tillsonburg
Shantz, Limited, A. J.	R. R. No. 1, Hespeler
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
Taylor Co. Limited, The T. F.	14 William St. N., Chatham
Treleaven Milling Co. Limited	Lucknow
Vanstone Flour & Feed Mill	116 King St. W., Bowmanville
Manitoba:	
Benito Flour & Feed	Denito
Harrison Milling & Grain Co.	Holmfild
Kent Flour Mills, Ltd., B. P.	Viridon
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

List of Firms in the Flour Milling Industry, 1953 - Concluded

Name of Firm	Address
Saskatchewan:	
Esterhazy Flour Mill.....	Esterhazy
McNab Flour Mills Limited	Eumboldt
Kamsack Flour Mills	Kamsack
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 Co-operative Prod. Ltd.	P. O. Box 170, Saskatoon
Swift Current Flour Mills, Ltd.	Shaunavon
Swift Current Flour Mills, Ltd.	Box 1149, Swift Current
Union Supply Company Limited	East Railway St., Rosthern
Wynyard Flour Mill	Box 84, Wynyard
Yorkton Milling Company Limited	Livingstone St., Yorkton
Alberta:	
Eyers 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
Sterling Flour Mills, Limited	P. O. Box 53, Strome
Vulcan Flour Mill	Vulcan
Wiebe & Co., W. R.	Vermilion
Zinger, Herbert J.	Castor
British Columbia:	
Delta Flour Mills, Ltd.	R. R. No. 3, Vancouver
Master Baker Flour Mills, Ltd.	1315 E. Hastings St., Vancouver

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