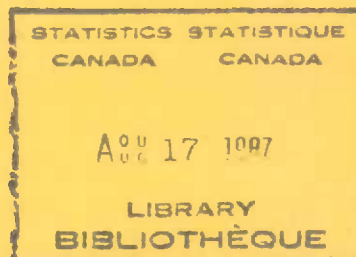


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GOVERNMENT OF CANADA



THE FLOUR AND FEED MILLING INDUSTRIES

1948



DOMINION BUREAU OF STATISTICS
DEPARTMENT OF TRADE AND COMMERCE

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THE FLOUR AND FEED MILLING INDUSTRIES, 1948

To permit a closer analysis of the flour and feed milling industries, this report is divided into three sections. Section 1 comprises a general summary of the industry as a whole. Section 2 deals with the mills whose principal output is flour and other edible cereal products, whilst Section 3 is devoted to the mills whose operations are mostly confined to the production of chopped grain and other feeds.

SECTION 1. - GENERAL SUMMARY

A review of the flour and feed milling industries during 1948 reveals a decrease of 37 of the number of mills reporting, and decreases in all of the other items comprising the principal statistics. These are shown in Table 1 for the Dominion for the years 1936 to 1946 and by Provinces for the years 1947 and 1948.

The output of the flour and feed milling industry in 1948 shows a decrease in the principal items of production, with the exception of prepared stock and poultry feeds. The output of flour amounted to 23,108,174 barrels, a decrease of 5,510,889 barrels or 19.3 per cent as compared with the previous year. The decline in production was due to a lowered export demand, the number of barrels exported having declined by 5,703,816 from the record number of 18,081,882 exported in 1947. The output of bran, shorts and middlings also decreased by 144,699 tons, oatmeal and rolled oats by 23,799 tons and chopped grain feed by 220,012 tons. There was, however, an increase of 14,904 tons in the output of prepared stock and poultry feeds.

The physical volume of production for the industry as a whole declined by 19 per cent in 1948. The decrease in the gross value of production amounting to \$13,383,757 or 4.0 per cent indicates increases in the selling values of the products made, as the following table shows:

| Product | Unit | Selling Value at Mill | |
|----------------------------|--------|-----------------------|--------|
| | | 1947 | 1948 |
| Wheat flour, all grades | Barrel | 7.38 | 8.17 |
| Oatmeal and rolled oats | Ton | 116.34 | 109.92 |
| Bran, shorts and middlings | " | 27.80 | 48.85 |
| Feed, chopped | " | 48.70 | 55.80 |
| Stock and poultry feeds | " | 57.36 | 67.68 |

This industry, which has existed to meet the domestic needs for more than 300 years, is one of the Dominion's oldest manufactures, but it is only within recent times that its progress has become spectacular. The 170 flour mills, many of them of the most modern type and 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.

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During 1928 productive capacity reached about 121,000 barrels per day. During the depression the industry had been adversely affected by the difficulties which beset the Canadian grain trade and the great decline in the prices of grains. Exports of wheat flour declined from 10,737,266 barrels in 1928 to 3,911,886 barrels in 1938, but in spite of this decrease, Canada continued to be one of the leading exporters of wheat flour. A further impetus was given the industry as a direct result of the large import requirements of Great Britain and other allied countries during the last war. Exports of wheat flour to all countries which averaged about 14,000,000 barrels during the war years reached a record total of 18,081,882 barrels in 1947, but dropped to 12,378,066 barrels in 1948. The great demand of Canadian flour in foreign markets during the past few years was a great boon to Canadian agriculture, in as much as it enabled flour mills to make available large quantities of mill feeds which otherwise would not have been produced. Farmers were thus enabled to obtain sufficient feeds needed by them in order to fulfill the large commitments made for export shipments of cheese and bacon.

Production. - The total value of all products of the two industries in 1948 amounted to \$310,768,700 of which wheat flour was accountable for \$188,908,305. Next in order of importance was chopped grain feed with a total of \$54,065,357 followed by shorts and middlings to the extent of \$24,005,672, bran takes fourth place with \$16,355,942 whilst stock and poultry feeds occupies fifth position with a valuation of \$12,525,459. The output of wheat flour of all grades in 1948 totalled 23,108,174 barrels valued at \$8.17 per barrel. This represents a decrease of 5,510,889 in the number of barrels produced and an increase of .79 cents in the selling price per barrel as compared with 1947.

Employees, Salaries and Wages. - The administrative and clerical work in connection with the two industries required the services of 1,519 male and 390 female employees whose total salaries amounted to \$4,039,900. The number of wage-earners employed was 5,052 male and 163 female which necessitated a payroll amounting to \$10,015,751.

Cost of Materials. - The total cost of all materials in both industries, including containers, amounted to \$269,249,436. Wheat of all types was by far the largest contributor to this sum with \$189,490,770. Mixed grain for chopping takes second place with \$27,002,433. The next largest item of expense was that of oats which accounted for \$18,152,433, whilst containers and container materials occupy fourth position with a total cost of \$16,221,701.

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Table 1. - Principal Statistics for the Years, 1936 to 1948

| Year | Estab- lish- ments | Capital Invested | Em- ployees | Salaries and Wages | Cost of Materials Used | Gross Value of Production |
|----------------------------------|--------------------------|---------------------|----------------|-----------------------|------------------------------|---------------------------------|
| | No. | \$ | No. | \$ | \$ | \$ |
| 1936 | 1,118 | 61,867,287 | 5,685 | 5,542,945 | 90,614,236 | 114,617,099 |
| 1937 | 1,086 | 56,280,032 | 5,803 | 5,877,756 | 111,558,331 | 133,634,179 |
| 1938 | 1,080 | 50,111,006 | 5,778 | 6,163,351 | 99,418,794 | 122,598,168 |
| 1939 | 1,050 | 47,926,318 | 5,898 | 6,515,496 | 75,435,165 | 101,776,429 |
| 1940 | 1,027 | 52,170,492 | 6,215 | 7,101,367 | 96,294,284 | 122,494,759 |
| 1941 | 1,129 | 59,941,631 | 6,528 | 7,898,329 | 115,939,001 | 144,171,637 |
| 1942 | 1,171 | 62,586,759 | 6,720 | 8,776,553 | 126,374,719 | 159,463,671 |
| 1943 | 1,131 | 70,869,815 | 7,163 | 10,015,738 | 169,488,522 | 201,127,291 |
| 1944 | 1,087 | - | 7,289 | 10,511,975 | 187,116,957 | 215,790,282 |
| 1945 | 1,023 | - | 7,512 | 11,322,915 | 192,270,945 | 224,269,380 |
| 1946 | 974 | - | 8,036 | 12,898,160 | 224,233,698 | 260,659,451 |
| <u>1947</u> CANADA ... | 961 | - | 8,285 | 14,832,059 | 280,674,476 | 324,152,457 |
| Prince Edward Island | 7 | - | 11 | 8,123 | 167,327 | 203,706 |
| Nova Scotia | 7 | - | 15 | 12,751 | 262,465 | 303,419 |
| New Brunswick .. | 13 | - | 23 | 22,031 | 320,864 | 374,329 |
| Quebec | 162 | - | 1,063 | 2,051,330 | 24,831,408 | 28,508,663 |
| Ontario | 629 | - | 4,515 | 7,762,456 | 153,844,652 | 175,424,479 |
| Manitoba | 37 | - | 773 | 1,261,149 | 27,724,952 | 31,929,376 |
| Saskatchewan ... | 34 | - | 861 | 1,763,496 | 34,365,621 | 40,635,390 |
| Alberta | 69 | - | 1,012 | 1,942,043 | 39,096,107 | 46,699,799 |
| British Columbia | 3 | - | 12 | 8,680 | 61,080 | 73,296 |
| <u>1948</u> CANADA ... | 924 | - | 7,124 | 14,055,651 | 269,249,436 | 310,768,700 |
| Prince Edward Island | 7 | - | 12 | 9,735 | 218,375 | 252,109 |
| Nova Scotia | 4 | - | 6 | 4,911 | 112,761 | 136,437 |
| New Brunswick .. | 14 | - | 25 | 23,997 | 373,101 | 432,992 |
| Quebec | 154 | - | 1,010 | 2,181,371 | 27,520,753 | 30,969,156 |
| Ontario | 610 | - | 3,736 | 7,049,752 | 150,725,453 | 172,124,777 |
| Manitoba | 36 | - | 649 | 1,173,173 | 23,835,202 | 27,493,772 |
| Saskatchewan ... | 32 | - | 728 | 1,607,671 | 33,713,978 | 40,318,213 |
| Alberta | 62 | - | 918 | 1,918,560 | 31,912,783 | 38,017,776 |
| British Columbia | 5 | - | 40 | 86,481 | 837,030 | 1,023,468 |
| <u>1948</u> CANADA ... | 924 | - | 7,124 | 14,055,651 | 269,249,436 | 310,768,700 |
| Flour mills | 170 | - | 5,334 | 11,882,590 | 220,068,533 | 255,338,531 |
| Feed and chopping mills | 754 | - | 1,790 | 2,173,061 | 49,180,903 | 55,430,169 |

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Table 2. - Quantity and Value of Principal Mill Products in Canada, 1942 to 1948

| Products | Unit of Measure | Quantity | Selling Value at Mill | Average Value |
|----------------------------------|-----------------|------------|-----------------------|---------------|
| | | | \$ | \$ |
| <u>1942</u> | | | | |
| Wheat flour, all grades | Barrel | 20,119,782 | 86,042,907 | 4.28 |
| Oatmeal and rolled oats | Ton | 67,711 | 4,829,962 | 71.33 |
| Bran, shorts and middlings | " | 676,008 | 17,302,341 | 25.60 |
| Feed, chopped | " | 1,176,586 | 37,692,395 | 32.04 |
| <u>1943</u> | | | | |
| Wheat flour, all grades | Barrel | 23,986,769 | 112,345,014 | 4.68 |
| Oatmeal and rolled oats | Ton | 54,036 | 3,915,121 | 72.45 |
| Bran, shorts and middlings | " | 813,051 | 20,194,730 | 24.84 |
| Feed, chopped | " | 1,397,244 | 47,251,873 | 33.82 |
| <u>1944</u> | | | | |
| Wheat flour, all grades | Barrel | 24,470,610 | 132,607,418 | 5.42 |
| Oatmeal and rolled oats | Ton | 78,959 | 6,115,850 | 77.46 |
| Bran, shorts and middlings | " | 807,375 | 20,382,601 | 25.25 |
| Feed, chopped | " | 1,234,954 | 44,607,961 | 36.12 |
| <u>1945</u> | | | | |
| Wheat flour, all grades | Barrel | 25,117,259 | 139,810,537 | 5.57 |
| Oatmeal and rolled oats | Ton | 100,262 | 8,732,229 | 87.09 |
| Bran, shorts and middlings | " | 843,122 | 21,811,223 | 25.87 |
| Feed, chopped | " | 1,174,141 | 42,744,984 | 36.41 |
| <u>1946</u> | | | | |
| Wheat flour, all grades | Barrel | 27,151,932 | 164,263,815 | 6.05 |
| Oatmeal and rolled oats | Ton | 128,884 | 11,247,910 | 87.27 |
| Bran, shorts and middlings | " | 956,250 | 23,512,761 | 24.59 |
| Feed, chopped | " | 1,229,824 | 47,389,233 | 38.53 |
| <u>1947</u> | | | | |
| Wheat flour, all grades | Barrel | 28,619,063 | 211,155,576 | 7.38 |
| Oatmeal and rolled oats | Ton | 96,018 | 11,170,478 | 116.34 |
| Bran, shorts and middlings | " | 970,794 | 26,985,347 | 27.80 |
| Feed, chopped | " | 1,188,801 | 57,890,352 | 48.70 |
| <u>1948</u> | | | | |
| Wheat flour, all grades | Barrel | 23,108,174 | 188,908,305 | 8.17 |
| Oatmeal and rolled oats | Ton | 72,219 | 7,938,486 | 109.92 |
| Bran, shorts and middlings | " | 826,095 | 40,361,614 | 48.85 |
| Feed, chopped | " | 968,789 | 54,065,357 | 55.80 |

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Table 3. - Production in All Mills, by Classes, 1948

| | Unit of Measure | Merchant Grinding | | Custom or Exchange Grinding | | Total Selling Value at Mill |
|---|-----------------|-------------------|-------------|-----------------------------|------------|-----------------------------|
| | | Quantity | Value | Quantity | Value | |
| <u>CANADA</u> | | | \$ | | \$ | \$ |
| Wheat flour - | | | | | | |
| Spring No. 1 or top Patent including semolina | Bbl. | 4,905,225 | 42,830,520 | 6,899 | 58,287 | 42,888,807 |
| Spring No. 2 Patent | " | 4,611,767 | 35,177,446 | 712 | 4,999 | 35,182,445 |
| Spring No. 3 Patent (Strong Bakers or Export Patent . | " | 10,658,123 | 87,779,044 | 282 | 2,538 | 87,781,582 |
| Ontario Winter Wheat flour | " | 1,332,427 | 11,250,838 | 377 | 3,690 | 11,254,528 |
| Durum Semolina and flour . | " | 353,651 | 2,764,064 | - | - | 2,764,064 |
| Lower grades of flour | " | 516,735 | 3,381,926 | 36 | 152 | 3,382,078 |
| All other | " | 495,599 | 3,898,529 | - | - | 3,898,529 |
| Flour and meal, other - | | | | | | |
| Whole wheat and Graham flour | Lb. | 44,362,444 | 1,756,272 | - | - | 1,756,272 |
| Prepared or self raising flour | " | 2,764,184 | 90,193 | - | - | 90,193 |
| Barley flour | " | 361,200 | 18,804 | - | - | 18,804 |
| Barley meal | " | 9,881,494 | 248,396 | - | - | 248,396 |
| Rye flour | " | 786,202 | 43,767 | - | - | 43,767 |
| Rye meal | " | 503,051 | 30,815 | - | - | 30,815 |
| Corn flour | " | 2,528,408 | 160,321 | - | - | 160,321 |
| Corn meal | " | 7,929,784 | 507,410 | - | - | 507,410 |
| Buckwheat flour | " | 418,400 | 19,570 | 178,745 | 12,297 | 31,867 |
| Pea meal | " | 97,700 | 3,997 | - | - | 3,997 |
| Breakfast foods - | | | | | | |
| Prepared breakfast foods . | Lb. | - | - | - | - | - |
| Oatmeal | Ton | 2,246 | 238,076 | 45 | 4,050 | 242,126 |
| Rolled oats | " | 69,928 | 7,696,360 | - | - | 7,696,360 |
| Rolled or flaked wheat ... | Lb. | 1,119,101 | 53,400 | - | - | 53,400 |
| Unprepared breakfast food. | " | 10,901,765 | 723,243 | 2,679 | 151 | 723,394 |
| Other products - | | | | | | |
| Barley, pot and pearl | Lb. | 13,334,808 | 666,467 | - | - | 666,467 |
| Corn, cracked | " | 94,800 | 3,602 | - | - | 3,602 |
| Peas, split | " | 4,443,650 | 367,009 | - | - | 367,009 |
| Stock and poultry foods .. | Ton | 184,165 | 12,467,612 | 891 | 57,847 | 12,525,459 |
| Shorts and middlings | " | 483,163 | 23,999,192 | 144 | 6,480 | 24,005,672 |
| Bran | " | 342,635 | 16,349,278 | 153 | 6,664 | 16,355,942 |
| Chopped grain feed | " | 378,384 | 21,031,404 | 590,405 | 33,033,953 | 54,065,357 |
| Alfalfa meal | " | 3,094 | 83,115 | - | - | 83,115 |
| Offal, not otherwise specified | " | 106,167 | 3,795,047 | 194 | 7,150 | 3,802,197 |
| All other products | - | - | 134,725 | - | - | 134,725 |
| TOTAL VALUE OF PRODUCTION IN ALL MILLS | | | 277,570,442 | | 33,198,258 | 310,768,700 |

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Table 4. - Materials Used in All Mills, 1947 and 1948

| | Unit of Measure | C A N A D A | |
|---|-----------------|-------------|--------------------|
| | | Quantity | Cost Value at Mill |
| 1947 | | | |
| Wheat | Bushel | 132,469,311 | 196,733,442 |
| Oats | " | 28,610,537 | 20,231,953 |
| Barley | " | 12,726,193 | 11,723,875 |
| Rye | " | 143,316 | 315,741 |
| Corn | " | 1,073,199 | 1,653,247 |
| Buckwheat | " | 148,826 | 185,360 |
| Peas | " | 137,696 | 439,957 |
| Mixed grains for chopping | " | 29,715,365 | 26,994,139 |
| Other grains | " | 194,219 | 172,662 |
| Alfalfa | Ton | 3,317 | 100,867 |
| Cost of containers purchased | - | - | 18,666,112 |
| Cost of materials used in making containers | - | - | 775 |
| All other materials | - | - | 3,456,346 |
| TOTAL COST OF MATERIALS USED ... | - | - | 280,674,476 |
| 1948 | | | |
| Wheat | Bushel | 107,797,602 | 189,490,770 |
| Oats | " | 21,551,752 | 18,152,185 |
| Barley | " | 10,382,144 | 11,816,377 |
| Rye | " | 95,703 | 154,219 |
| Corn | " | 708,033 | 1,469,794 |
| Buckwheat | " | 131,388 | 168,536 |
| Peas | " | 90,770 | 285,190 |
| Mixed grains for chopping | " | 26,073,065 | 27,002,433 |
| Other grains | " | 279,339 | 340,222 |
| Alfalfa | Ton | 3,721 | 96,292 |
| Cost of containers purchased | - | - | 16,131,488 |
| Cost of materials used in making containers | - | - | 90,213 |
| All other materials | - | - | 4,051,717 |
| TOTAL COST OF MATERIALS USED | - | - | 269,249,436 |

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Table 5. - Capital Invested in All Mills, 1931 to 1941 and by Provinces, 1942 and 1943.

| Year | Fixed Capital | Working Capital | | Total Capital |
|----------------------|--|---|---|---------------|
| | Present Value of land, buildings, fixtures, machinery, tools, etc. | Inventory Value of materials on hand, stocks in process, finished products, fuel and miscellaneous supplies, etc. | Cash, trading and operating accounts etc. | |
| | \$ | \$ | \$ | \$ |
| 1931 | 37,425,362 | 11,088,544 | 12,555,286 | 61,069,192 |
| 1932 | 36,002,825 | 11,152,044 | 11,128,343 | 58,283,212 |
| 1933 | 33,273,228 | 15,729,319 | 10,051,958 | 59,054,505 |
| 1934 | 30,725,664 | 18,394,309 | 10,173,453 | 59,293,426 |
| 1935 | 29,997,190 | 16,361,405 | 10,116,720 | 56,475,315 |
| 1936 | 28,767,319 | 19,083,481 | 14,016,487 | 61,867,287 |
| 1937 | 28,532,888 | 19,019,991 | 8,727,153 | 56,280,032 |
| 1938 | 28,687,452 | 10,283,008 | 11,140,546 | 50,111,006 |
| 1939 | 26,591,745 | 13,674,935 | 7,659,638 | 47,926,318 |
| 1940 | 27,346,254 | 18,381,555 | 6,442,683 | 52,170,492 |
| 1941 | 30,947,302 | 20,198,602 | 8,795,727 | 59,941,631 |
| <u>1942</u> | | | | |
| CANADA | 31,567,133 | 21,974,860 | 9,044,766 | 62,586,759 |
| Prince Edward Island | 44,000 | 1,300 | 1,350 | 46,650 |
| Nova Scotia | 76,314 | 76,597 | 43,911 | 196,822 |
| New Brunswick | 72,465 | 39,232 | 40,653 | 152,350 |
| Quebec | 3,618,857 | 2,104,046 | 2,385,899 | 8,108,802 |
| Ontario | 18,780,658 | 9,600,866 | 4,030,826 | 32,412,350 |
| Manitoba | 2,654,204 | 2,753,136 | 453,122 | 5,860,462 |
| Saskatchewan | 2,937,631 | 3,905,151 | 683,683 | 7,526,465 |
| Alberta | 3,346,583 | 3,471,200 | 1,354,890 | 8,172,673 |
| British Columbia .. | 36,421 | 23,332 | 50,432 | 110,185 |
| <u>1943</u> | | | | |
| CANADA | 29,870,156 | 29,572,802 | 11,426,857 | 70,869,815 |
| Prince Edward Island | 45,000 | 1,080 | 1,350 | 47,430 |
| Nova Scotia | 54,944 | 17,066 | 111,245 | 183,255 |
| New Brunswick | 69,565 | 52,469 | 43,302 | 165,336 |
| Quebec | 3,280,219 | 3,143,012 | 2,429,434 | 8,852,665 |
| Ontario | 17,902,302 | 12,753,037 | 5,673,681 | 36,329,020 |
| Manitoba | 2,336,219 | 4,844,545 | 543,584 | 7,724,348 |
| Saskatchewan | 2,831,787 | 4,147,451 | 1,229,912 | 8,209,150 |
| Alberta | 3,285,729 | 4,589,279 | 1,334,358 | 9,209,366 |
| British Columbia .. | 64,391 | 24,863 | 59,991 | 149,245 |

Not collected for 1944 - 1945 - 1946 - 1947 - 1948.

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Table 6. - Employees, Salaries and Wages in all Mills, by Provinces, 1947 and 1948

| | Employees on Salaries | | | Employees on Wages | | | Total Employees Salaries and Wages | | |
|------------------------------|-----------------------|--------------------|-------------------------|--------------------|--------------------|----------------------|------------------------------------|--------------------|-----------------------------|
| | Male No. | Fe- male No. | Total Salaries \$ | Male No. | Fe- male No. | Total Wages \$ | Male No. | Fe- male No. | Salaries and Wages \$ |
| <u>1947</u> | | | | | | | | | |
| CANADA | 1,649 | 443 | 4,222,743 | 5,945 | 248 | 10,609,316 | 7,594 | 691 | 14,832,059 |
| Prince Edward Island | 8 | - | 6,178 | 3 | - | 1,945 | 11 | - | 8,123 |
| Nova Scotia . | 7 | - | 4,775 | 8 | - | 7,976 | 15 | - | 12,751 |
| New Brunswick | 13 | 1 | 11,303 | 9 | - | 10,728 | 22 | 1 | 22,031 |
| Quebec | 280 | 63 | 827,729 | 705 | 15 | 1,223,601 | 985 | 78 | 2,051,330 |
| Ontario | 847 | 214 | 1,981,073 | 3,348 | 106 | 5,781,383 | 4,195 | 320 | 7,762,456 |
| Manitoba | 112 | 35 | 274,086 | 560 | 66 | 987,063 | 672 | 101 | 1,261,149 |
| Saskatchewan | 183 | 67 | 550,929 | 586 | 25 | 1,212,567 | 769 | 92 | 1,763,496 |
| Alberta | 193 | 60 | 560,750 | 723 | 36 | 1,381,293 | 916 | 96 | 1,942,043 |
| British Columbia | 6 | 3 | 5,920 | 3 | - | 2,760 | 9 | 3 | 8,680 |
| <u>1948</u> | | | | | | | | | |
| CANADA | 1,519 | 390 | 4,039,900 | 5,052 | 163 | 10,015,751 | 6,571 | 553 | 14,055,651 |
| Prince Edward Island | 7 | - | 6,400 | 5 | - | 3,335 | 12 | - | 9,735 |
| Nova Scotia . | 2 | - | 1,040 | 4 | - | 3,871 | 6 | - | 4,911 |
| New Brunswick | 12 | 1 | 10,104 | 12 | - | 13,893 | 24 | 1 | 23,997 |
| Quebec | 250 | 64 | 854,848 | 681 | 15 | 1,326,523 | 931 | 79 | 2,181,371 |
| Ontario | 780 | 158 | 1,760,115 | 2,754 | 44 | 5,289,637 | 3,534 | 202 | 7,049,752 |
| Manitoba | 107 | 32 | 285,465 | 460 | 50 | 887,708 | 567 | 82 | 1,173,173 |
| Saskatchewan. | 155 | 73 | 498,768 | 477 | 23 | 1,108,903 | 632 | 96 | 1,607,671 |
| Alberta | 196 | 57 | 584,953 | 634 | 31 | 1,333,607 | 830 | 88 | 1,918,560 |
| British Columbia | 10 | 5 | 38,207 | 25 | - | 48,274 | 35 | 5 | 86,481 |

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Table 7. - Power Equipment in all Mills, 1947 and 1948

| Classes of Power | | 1947 | | 1948 | |
|--|--------|-----------------|---|-----------------|---|
| | | Number of Units | Manufacturers' Rating of Horse-power Capacity | Number of Units | Manufacturers' Rating of Horse-power Capacity |
| Steam engines and steam turbines | In use | 27 | 3,265 | 18 | 3,170 |
| | Idle | 7 | 497 | 9 | 787 |
| Diesel engines | In use | 234 | 13,014 | 225 | 12,857 |
| | Idle | 13 | 760 | 16 | 908 |
| Gasoline, gas and oil engines other than diesel . | In use | 178 | 7,176 | 175 | 7,195 |
| | Idle | 27 | 966 | 30 | 969 |
| Hydraulic turbines or Water wheels | In use | 355 | 20,737 | 330 | 19,659 |
| | Idle | 20 | 838 | 16 | 826 |
| Electric motors operated by purchased power | In use | 4,339 | 81,090 | 4,508 | 83,138 |
| | Idle | 278 | 6,476 | 293 | 7,516 |
| TOTAL POWER USED IN MANUFACTURING | | 5,478 | 134,819 | 5,620 | 137,025 |
| Electric motors operated by power generated by the establishment | In use | 53 | 983 | 36 | 720 |
| | Idle | - | - | - | - |
| Boilers | In use | 29 | 4,474 | 23 | 4,052 |
| | Idle | 3 | 200 | 4 | 815 |
| Motor generator sets | In use | 13 | 266 | 11 | 89 |
| | Idle | 1 | 30 | - | - |

Table 8. - Fuel and Electricity Used in all Mills, 1947 and 1948

| Kinds of Fuel | Unit of Measure | 1947 | | 1948 | |
|--|-----------------|-------------|--------------------|-------------|--------------------|
| | | Quantity | Total Cost at Mill | Quantity | Total Cost at Mill |
| Bituminous coal | Short ton | 39,584 | 320,930 | 30,045 | 291,613 |
| Anthracite coal | " " | 811 | 10,711 | 794 | 12,092 |
| Lignite coal | " " | 14,022 | 61,207 | 12,730 | 60,763 |
| Coke | " " | 49 | 763 | 45 | 732 |
| Gasoline | Imp. Gal. | 741,832 | 215,604 | 597,941 | 207,631 |
| Kerosene or coal oil | " " | 1,791 | 436 | 1,992 | 499 |
| Fuel and diesel oil . | " " | 885,241 | 150,181 | 753,643 | 137,558 |
| Wood | Cord | 1,635 | 12,208 | 4,983 | 8,749 |
| Gas, manufactured and natural | M cu. ft. | 234,352 | 34,220 | 219,630 | 32,325 |
| Other fuel | - | - | 9,904 | - | 11,314 |
| Electricity purchased | K.W.H. | 186,760,935 | 1,641,445 | 155,495,011 | 1,461,909 |
| Electricity generated for sale | - | - | - | - | - |
| TOTAL COST OF FUEL AND ELECTRICITY | | - | 2,457,609 | - | 2,225,185 |

THE FLOUR AND FEED MILLING INDUSTRIES, 1948

Table 9. - Imports, Milled Products and Grains by Quantity and Value
1947 and 1948

| Articles Imported | Unit of Measure | 1947 | | 1948 | |
|--|-----------------|------------|-------------------|------------|-------------------|
| | | Quantity | Value | Quantity | Value |
| Milled Products - | | | | | |
| Wheat flour | Barrel | 19 | 397 | 12,042 | 169,510 |
| Buckwheat meal and flour ... | Cwt. | 115 | 884 | - | - |
| Cornmeal | Barrel | 4,893 | 57,147 | 4,700 | 53,925 |
| Malt flour | Pound | 116,000 | 9,506 | 249,640 | 19,662 |
| Rye flour | Barrel | 3,157 | 45,401 | 9,661 | 123,235 |
| Oatmeal and rolled oats | Pound | - | - | 2,592 | 684 |
| Barley, pot and pearl | " | - | - | - | - |
| Hominy, cracked, ground, etc. | Cwt. | 79,702 | 397,774 | 67,296 | 375,544 |
| Rice, bran, meal and flour .. | Pound | 22,845 | 3,524 | 49,980 | 8,086 |
| Sago and tapioca flour | " | 753,434 | 64,947 | 103,017 | 10,410 |
| Bran and mill feed | Cwt. | 220,331 | 586,061 | 148,357 | 394,530 |
| Cereal food in packages | Pound | 1,593,187 | 323,514 | 6,169 | 2,300 |
| Cereal foods, n.o.p. | - | - | 522,441 | - | 39,255 |
| Semolina | Barrel | - | - | - | - |
| TOTAL VALUE OF IMPORTS OF MILLED PRODUCTS | - | | 2,011,596 | - | 1,197,141 |
| Grains - | | | | | |
| Wheat | Bushel | 108,947 | 344,416 | 958,006 | 2,815,142 |
| Oats | " | 27,767 | 46,436 | 7,166 | 10,853 |
| Barley, buckwheat and rye | " | 1,433,710 | 4,342,823 | 794 | 2,597 |
| Corn for all purposes | " | 8,085,768 | 16,107,300 | 8,213,948 | 15,834,003 |
| Beans, soya | Pound | 87,443,636 | 5,002,654 | 86,717,865 | 4,937,216 |
| TOTAL VALUE OF GRAINS IMPORTED | - | | 25,843,629 | - | 23,599,811 |

THE FLOUR AND FEED MILLING INDUSTRIES, 1948

Table 10. - Exports of Milled Products and Grains by Quantity and Value, 1947 and 1948

| Articles Exported | Unit of Measure | 1947 | | 1948 | |
|--|-----------------|-------------|--------------------|-------------|--------------------|
| | | Quantity | Value | Quantity | Value |
| | | | \$ | | \$ |
| Milled Products - | | | | | |
| Rye flour | Barrel | 5 | 28 | 55 | 957 |
| Wheat flour | " | 18,081,882 | 196,578,113 | 12,378,066 | 125,150,839 |
| Oatmeal and rolled oats | Cwt. | 1,025,276 | 5,830,668 | 661,612 | 4,521,583 |
| Bran, shorts and middlings | " | 716,638 | 1,891,790 | 850,660 | 2,619,859 |
| Malt | Bushel | 736,865 | 1,371,653 | 1,452,301 | 3,174,555 |
| Screenings | Cwt. | 3,513,272 | 3,870,912 | 3,632,891 | 4,283,132 |
| Cornmeal | Barrel | 84,447 | 682,254 | 31,860 | 326,042 |
| All other meals, n.o.p. | Cwt. | 57,743 | 386,782 | 43,306 | 205,267 |
| Cereal foods, prepared, all kinds | - | - | 1,056,883 | - | 1,782,510 |
| TOTAL VALUE OF MILLED PRODUCTS EXPORTED | - | - | 211,669,083 | - | 142,064,744 |
| Grains - | | | | | |
| Wheat | Bushel | 160,426,359 | 265,200,441 | 135,640,729 | 243,023,370 |
| Oats | " | 12,834,904 | 12,388,641 | 25,345,036 | 22,559,860 |
| Barley | " | 569,002 | 1,211,041 | 18,911,388 | 26,947,212 |
| Corn | " | 193,837 | 651,048 | 91,182 | 455,790 |
| Rye | " | 9,801,001 | 31,937,965 | 9,295,848 | 22,609,787 |
| Buckwheat | " | - | - | 8,954 | 11,877 |
| TOTAL VALUE OF GRAINS EXPORTED | - | - | 311,389,136 | - | 315,607,896 |

THE FLOUR MILLING INDUSTRY, 1948

SECTION 2. - THE FLOUR MILLING INDUSTRY, 1948

Table 1. - Principal Statistics of the Flour Mills in Canada for the Years 1934 to 1948

| Year | Estab- lish- ments | Capital Invested | Em- plovees | Salaries and Wages | Cost of Materials Used | Gross Value of Production |
|--------------------------------------|--------------------------|---------------------|----------------|-----------------------|------------------------------|---------------------------------|
| | No. | \$ | No. | \$ | \$ | \$ |
| 1934 | 435 | 52,491,680 | 4,263 | 4,443,991 | 61,392,000 | 80,170,600 |
| 1935 | 384 | 50,278,121 | 4,244 | 4,479,679 | 65,378,617 | 81,955,937 |
| 1936 | 363 | 55,275,090 | 4,416 | 4,785,910 | 73,972,242 | 94,320,594 |
| 1937 | 335 | 49,617,744 | 4,469 | 5,069,315 | 94,016,740 | 112,744,579 |
| 1938 | 328 | 43,395,733 | 4,454 | 5,334,366 | 84,067,240 | 103,886,310 |
| 1939 | 303 | 41,167,975 | 4,540 | 4,621,370 | 59,164,699 | 81,745,050 |
| 1940 | 279 | 44,674,387 | 4,724 | 6,102,744 | 77,489,397 | 99,157,327 |
| 1941 | 288 | 51,570,978 | 4,896 | 6,733,703 | 91,222,378 | 114,207,864 |
| 1942 | 281 | 53,482,276 | 4,999 | 7,465,544 | 98,182,809 | 125,634,302 |
| 1943 | 260 | 60,890,898 | 5,337 | 8,441,616 | 133,850,395 | 159,094,142 |
| 1944 | 224 | - | 5,461 | 8,925,161 | 153,579,588 | 176,705,776 |
| 1945 | 195 | - | 5,654 | 9,630,553 | 158,499,853 | 184,562,881 |
| 1946 | 184 | - | 6,012 | 10,884,848 | 185,219,470 | 214,828,021 |
| <u>1947</u> | | | | | | |
| CANADA | 174 | - | 6,220 | 12,603,961 | 230,467,746 | 266,503,211 |
| Quebec | 19 | - | 690 | 1,648,613 | 19,481,103 | 22,062,996 |
| Ontario | 76 | - | 3,068 | 6,216,437 | 115,770,035 | 131,877,990 |
| Manitoba | 21 | - | 690 | 1,150,873 | 24,242,446 | 28,106,720 |
| Saskatchewan | 28 | - | 840 | 1,737,924 | 33,974,553 | 40,172,460 |
| Alberta | 30 | - | 932 | 1,850,114 | 36,999,609 | 44,283,045 |
| <u>1948</u> | | | | | | |
| CANADA | 170 | - | 5,334 | 11,882,590 | 220,068,533 | 255,338,531 |
| Quebec | 19 | - | 667 | 1,782,782 | 21,898,866 | 24,406,746 |
| Ontario | 76 | - | 2,477 | 5,512,083 | 111,786,678 | 128,611,767 |
| Manitoba | 20 | - | 600 | 1,115,624 | 22,645,734 | 26,118,798 |
| Saskatchewan | 26 | - | 709 | 1,578,088 | 33,368,134 | 39,901,993 |
| Alberta | 24 | - | 841 | 1,807,532 | 29,532,091 | 35,275,759 |
| British Columbia ^{1/} | 5 | - | 40 | 86,481 | 837,030 | 1,023,468 |

1/ Includes feed mills.

THE FLOUR MILLING INDUSTRY, 1948

Table 2. - Production in Flour Mills by Classes and the Provinces, 1948

| Products | Unit of Measure | Merchant Grinding | | Custom or Exchange Grinding | | Total Selling Value at Mill |
|---|-----------------|-------------------|--------------------|-----------------------------|------------------|-----------------------------|
| | | Quantity | Value | Quantity | Value | |
| CANADA | | | | | | |
| Wheat flour - | | | | | | |
| Spring No. 1 or Top Patent including Semolina | Bbl. | 4,905,225 | 42,830,520 | 6,899 | 58,287 | 42,888,807 |
| Spring No. 2 Patent | " | 4,611,767 | 35,177,446 | 712 | 4,999 | 35,182,445 |
| Spring No. 3 Patent (Strong Bakers or Export Patent | " | 10,658,123 | 87,779,044 | 282 | 2,538 | 87,781,582 |
| Ontario Winter wheat flour. | " | 1,332,427 | 11,250,838 | 377 | 3,690 | 11,254,528 |
| Durum Semolina and flour .. | " | 353,651 | 2,764,064 | - | - | 2,764,064 |
| Lower grades of flour | " | 516,736 | 3,381,926 | 38 | 152 | 3,382,078 |
| All other | " | 495,599 | 3,898,529 | - | - | 3,898,529 |
| Flour and meal, other - | | | | | | |
| Whole wheat and Graham flour | Lb. | 44,360,876 | 1,756,204 | - | - | 1,756,204 |
| Prepared or self raising flour | " | 2,764,184 | 90,193 | - | - | 90,193 |
| Barley flour | " | 242,200 | 15,174 | - | - | 15,174 |
| Barley meal | " | 220,000 | 5,500 | - | - | 5,500 |
| Rye flour | " | 759,467 | 42,555 | - | - | 42,555 |
| Rye meal | " | 473,896 | 29,627 | - | - | 29,627 |
| Corn flour | " | 1,791,644 | 115,116 | - | - | 115,116 |
| Corn meal | " | 7,400,696 | 478,512 | - | - | 478,512 |
| Buckwheat flour | " | 188,400 | 8,670 | - | - | 8,670 |
| Breakfast foods - | | | | | | |
| Prepared breakfast foods . | Lb. | - | - | - | - | - |
| Oatmeal | Ton | 2,056 | 226,676 | - | - | 226,676 |
| Rolled oats | " | 69,422 | 7,639,770 | - | - | 7,639,770 |
| Rolled or flaked wheat ... | Lb. | 539,601 | 25,855 | - | - | 25,855 |
| Unprepared breakfast foods | " | 10,069,591 | 646,185 | 2,679 | 151 | 646,336 |
| Other products - | | | | | | |
| Barley, pot and pearl | Lb. | 9,623,190 | 513,560 | - | - | 513,560 |
| Stock and poultry feeds .. | Ton | 43,371 | 2,869,738 | - | - | 2,869,738 |
| Shorts and middlings | " | 483,163 | 23,999,192 | 144 | 6,480 | 24,005,672 |
| Bran | " | 342,635 | 16,349,278 | 153 | 6,664 | 16,355,942 |
| Chopped grain feed | " | 100,061 | 5,385,682 | 76,359 | 4,214,394 | 9,600,076 |
| Alfalfa meal | " | 2,955 | 78,810 | - | - | 78,810 |
| Offal, not otherwise specified | " | 101,932 | 3,627,044 | - | - | 3,627,044 |
| All other products | - | - | 55,468 | - | - | 55,468 |
| TOTAL | - | - | 251,041,176 | - | 4,297,355 | 255,338,531 |

THE FLOUR MILLING INDUSTRY, 1948

Table 2. - Production in Flour Mills by Classes and the Provinces, 1948 - Cont'd.

| Products | Unit of Measure | Merchant Grinding | | Custom or Exchange Grinding | | Total Selling Value at Mill |
|--|-----------------|-------------------|------------|-----------------------------|---------|-----------------------------|
| | | Quantity | Value | Quantity | Value | |
| <u>QUEBEC</u> | | | | | | |
| Wheat flour - | | | \$ | | \$ | \$ |
| Spring No.1 or Top Patent including Semolina | Bbl. | 1,014,120 | 8,865,550 | 1,490 | 12,590 | 8,878,140 |
| Spring No. 2 Patent | " | 404,152 | 2,938,329 | - | - | 2,938,329 |
| Spring No. 3 Patent(Strong Bakers or Export Patent). | " | 723,650 | 6,267,172 | - | - | 6,267,172 |
| Ontario winter wheat flour | " | 16,444 | 166,269 | - | - | 166,269 |
| Lower grades of flour | " | 29,692 | 197,415 | - | - | 197,415 |
| All other | " | 94,379 | 543,331 | - | - | 543,331 |
| Flour and meal, other - | | | | | | |
| Whole wheat and graham flour | Lb. | 123,676 | 5,451 | - | - | 5,451 |
| Breakfast foods - | | | | | | |
| Unprepared breakfast foods | " | 316,000 | 11,060 | - | - | 11,060 |
| Other products - | | | | | | |
| Stock and poultry feeds .. | Ton | 1,413 | 110,910 | - | - | 110,910 |
| Shorts and middlings | " | 41,884 | 2,294,949 | 26 | 1,205 | 2,296,154 |
| Bran | " | 34,450 | 1,809,208 | 25 | 1,055 | 1,810,263 |
| Chopped grain feed | " | 15,886 | 893,699 | 3,399 | 190,120 | 1,083,819 |
| Alfalfa meal | " | 150 | 7,160 | - | - | 7,160 |
| Offal, not otherwise specified | " | 2,673 | 91,273 | - | - | 91,273 |
| TOTAL | - | - | 24,201,776 | - | 204,970 | 24,406,746 |
| <u>ONTARIO</u> | | | | | | |
| Wheat flour - | | | | | | |
| Spring No.1 or Top Patent including Semolina | Bbl. | 1,500,051 | 12,623,310 | - | - | 12,623,310 |
| Spring No.2 Patent | " | 2,191,616 | 16,500,372 | - | - | 16,500,372 |
| Spring No.3 Patent(Strong Bakers or Export Patent). | " | 5,871,282 | 47,470,710 | - | - | 47,470,710 |
| Ontario Winter Wheat flour | " | 1,315,983 | 11,084,569 | 377 | 3,690 | 11,088,259 |
| Durum Semolina and flour . | " | 335,959 | 2,631,374 | - | - | 2,631,374 |
| Lower grades of flour | " | 244,552 | 1,505,070 | - | - | 1,505,070 |
| All other | " | 134,594 | 1,152,462 | - | - | 1,152,462 |
| Flour and meal, other - | | | | | | |
| Whole wheat and graham flour | Lb. | 22,233,064 | 851,971 | - | - | 851,971 |
| Prepared or self-raising flour | " | 2,762,484 | 90,057 | - | - | 90,057 |
| Barley flour | " | 242,200 | 15,174 | - | - | 15,174 |
| Barley meal | " | 220,000 | 5,500 | - | - | 5,500 |
| Rye flour | " | 357,172 | 19,178 | - | - | 19,178 |
| Rye meal | " | 473,896 | 29,627 | - | - | 29,627 |

THE FLOUR MILLING INDUSTRY, 1948

Table 2. - Production in Flour Mills by Classes and the Provinces, 1948, Cont'd.

| Products | Unit of Measure | Merchant Grinding | | Custom or Exchange Grinding | | Total Selling Value at Mill |
|---|-----------------|-------------------|-------------|-----------------------------|-----------|-----------------------------|
| | | Quantity | Value | Quantity | Value | |
| <u>ONTARIO - Con.</u> | | | | | | |
| Flour and meal, other -(Con.) | | | \$ | | \$ | \$ |
| Corn flour | Lb. | 1,791,644 | 115,116 | - | - | 115,116 |
| Corn meal | " | 7,400,696 | 478,512 | - | - | 478,512 |
| Buckwheat flour | " | 188,400 | 8,670 | - | - | 8,670 |
| Breakfast foods - | | | | | | |
| Oatmeal | Ton | 691 | 87,493 | - | - | 87,493 |
| Rolled oats | " | 27,900 | 2,987,877 | - | - | 2,987,877 |
| Rolled or flaked wheat .. | Lb. | 235,481 | 11,910 | - | - | 11,910 |
| Unprepared breakfast foods | " | 4,535,903 | 146,018 | - | - | 146,018 |
| Other products - | | | | | | |
| Barley, pot and pearl ... | Lb. | 4,385,696 | 246,929 | - | - | 246,929 |
| Stock and poultry feeds . | Ton | 28,045 | 1,904,494 | - | - | 1,904,494 |
| Shorts and middlings | " | 241,423 | 12,854,744 | 9 | 509 | 12,855,253 |
| Bran | " | 176,366 | 8,950,526 | 10 | 550 | 8,951,076 |
| Chopped grain feed | " | 37,727 | 2,102,795 | 60,631 | 3,442,500 | 5,545,295 |
| Alfalfa meal | " | 2,805 | 71,650 | - | - | 71,650 |
| Offal, not otherwise specified | " | 33,131 | 1,164,100 | - | - | 1,164,100 |
| All other products | - | - | 54,310 | - | - | 54,310 |
| TOTAL | - | - | 125,164,518 | - | 3,447,249 | 128,611,767 |
| <u>MANITOBA</u> | | | | | | |
| Wheat flour - | | | | | | |
| Spring No.1 or Patent including Semolina | Bbl. | 421,111 | 3,678,961 | 652 | 5,900 | 3,684,861 |
| Spring No.2 Patent | " | 1,007,259 | 7,849,318 | 15 | 120 | 7,849,438 |
| Spring No.3 Patent (Strong Bakers or Export Patent) | " | 799,172 | 6,492,049 | - | - | 6,492,049 |
| Durum Semolina and flour. | " | 17,692 | 132,690 | - | - | 132,690 |
| Lower Grades of flour ... | " | 40,888 | 261,007 | - | - | 261,007 |
| All other | " | 25,077 | 218,010 | - | - | 218,010 |
| Flour and meal, other - | | | | | | |
| Whole wheat and Graham flour | Lb. | 5,100,116 | 190,351 | - | - | 190,351 |
| Rye flour | " | 402,295 | 23,377 | - | - | 23,377 |
| Rye meal | " | - | - | - | - | - |
| Breakfast foods - | | | | | | |
| Oatmeal | Ton | 587 | 60,897 | - | - | 60,897 |
| Rolled oats | " | 10,838 | 1,123,866 | - | - | 1,123,866 |
| Rolled or flaked wheat .. | Lb. | 174,700 | 6,988 | - | - | 6,988 |
| Unprepared breakfast foods | " | 2,001,145 | 196,566 | 2,679 | 151 | 196,717 |

THE FLOUR MILLING INDUSTRY, 1948

Table 2. - Production in Flour Mills by Classes and the Provinces, 1948 - Cont'd.

| Products | Unit of Measure | Merchant Grinding | | Custom or Exchange Grinding | | Total Selling Value at Mill |
|---|-----------------|-------------------|-------------------|-----------------------------|---------------|-----------------------------|
| | | Quantity | Value | Quantity | Value | |
| MANITOBA - Con. | | | | | | |
| Other products - | | | | | | |
| Barley, pot and pearl ... | Lb. | 2,860,816 | 127,048 | - | - | 127,048 |
| Stock and poultry feeds . | Ton | 1,005 | 51,383 | - | - | 51,383 |
| Shorts and middlings | " | 52,871 | 2,264,609 | 20 | 975 | 2,265,584 |
| Bran | " | 34,258 | 1,439,005 | 19 | 905 | 1,439,910 |
| Chopped grain feed | " | 28,588 | 1,434,060 | 1,168 | 55,300 | 1,489,360 |
| Offal, not otherwise specified | " | 13,370 | 505,262 | - | - | 505,262 |
| All other products | - | - | - | - | - | - |
| TOTAL | - | - | 26,055,447 | - | 63,351 | 26,118,798 |
| Saskatchewan and British Columbia/1 | | | | | | |
| Wheat flour - | | | | | | |
| Spring No.1 or Top Patent including Semolina | Bbl. | 1,266,051 | 11,639,103 | 2,151 | 17,939 | 11,657,042 |
| Spring No.2 Patent | " | 166,888 | 1,462,716 | - | - | 1,462,716 |
| Spring No.3 Patent (Strong Bakers or Export Patent) | " | 1,752,745 | 15,234,124 | - | - | 15,234,124 |
| Lower grades of flour ... | " | 8,278 | 50,917 | - | - | 50,917 |
| All other | " | 142,590 | 1,156,606 | - | - | 1,156,606 |
| Flour and meal, other - | | | | | | |
| Whole wheat and Graham flour | Lb. | 10,018,932 | 434,277 | - | - | 434,277 |
| Prepared or self-raising flour | " | 1,700 | 136 | - | - | 136 |
| Rye flour | " | - | - | - | - | - |
| Breakfast foods - | | | | | | |
| Prepared breakfast foods. | Lb. | - | - | - | - | - |
| Oatmeal | Ton | 327 | 33,922 | - | - | 33,922 |
| Rolled oats | " | 25,369 | 3,000,894 | - | - | 3,000,894 |
| Rolled or flaked wheat .. | Lb. | 129,420 | 6,957 | - | - | 6,957 |
| Unprepared breakfast foods | " | 333,031 | 29,392 | - | - | 29,392 |
| Other products - | | | | | | |
| Barley, pot and pearl ... | Lb. | 2,227,540 | 133,456 | - | - | 133,456 |
| Stock and poultry feeds . | Ton | 1,782 | 121,918 | - | - | 121,918 |
| Shorts and middlings | " | 79,093 | 3,621,123 | 44 | 2,140 | 3,623,263 |
| Bran | " | 49,569 | 2,163,439 | 56 | 2,570 | 2,166,009 |

THE FLOUR MILLING INDUSTRY, 1948

Table 2. - Production in Flour Mills by Classes and the Provinces, 1948 - Cont'd.

| Products | Unit of Measure | Merchant Grinding | | Custom or Exchange Grinding | | Total Selling Value at Mill |
|---|-----------------|-------------------|-------------------|-----------------------------|----------------|-----------------------------|
| | | Quantity | Value | Quantity | Value | |
| Saskatchewan and British Columbia /1 Con. | | | \$ | | \$ | \$ |
| Other products - Con. | | | | | | |
| Chopped grain feed | Ton | 5,130 | 250,823 | 1,508 | 73,759 | 324,582 |
| Offal, not otherwise specified | " | 41,178 | 1,488,092 | - | - | 1,488,092 |
| All other products | - | - | 1,158 | - | - | 1,158 |
| TOTAL | - | - | 40,829,053 | - | 96,408 | 40,925,461 |
| ALBERTA | | | | | | |
| Wheat flour - | | | | | | |
| Spring No.1 or Top Patent including semolina | Bbl. | 703,892 | 6,023,596 | 2,606 | 21,858 | 6,045,454 |
| Spring No.2 Patent | " | 841,852 | 6,426,711 | 697 | 4,879 | 6,431,590 |
| Spring No.3 Patent (Strong Bakers or Export Patent) | " | 1,511,274 | 12,314,989 | 282 | 2,538 | 12,317,527 |
| Lower grades of flour ... | " | 193,325 | 1,367,517 | 38 | 152 | 1,367,669 |
| All other | " | 98,959 | 828,120 | - | - | 828,120 |
| Flour and meal, other - | | | | | | |
| Whole wheat and Graham flour | Lb. | 6,885,088 | 274,154 | - | - | 274,154 |
| Prepared or self-raising flour | " | - | - | - | - | - |
| Rye flour | " | - | - | - | - | - |
| Breakfast foods - | | | | | | |
| Oatmeal | Ton | 451 | 44,364 | - | - | 44,364 |
| Rolled oats | " | 5,315 | 527,133 | - | - | 527,133 |
| Unprepared breakfast foods | Lb. | 2,883,512 | 263,149 | - | - | 263,149 |
| Other products - | | | | | | |
| Barley, pot and pearl ... | Lb. | 149,138 | 6,127 | - | - | 6,127 |
| Stock and poultry feeds . | Ton | 11,126 | 681,033 | - | - | 681,033 |
| Shorts and middlings | " | 67,892 | 2,963,767 | 45 | 1,651 | 2,965,418 |
| Bran | " | 47,992 | 1,987,100 | 43 | 1,584 | 1,988,684 |
| Chopped grain feed | " | 12,730 | 704,305 | 9,653 | 452,715 | 1,157,020 |
| Offal, not otherwise specified | " | 11,580 | 378,317 | - | - | 378,317 |
| All other products | - | - | - | - | - | - |
| TOTAL | - | - | 34,790,382 | - | 485,377 | 35,275,759 |

/1 British Columbia includes feed mills.

THE FLOUR MILLING INDUSTRY, 1948

Table 3. - Materials Used in Flour Mills, by Provinces, 1948

| Materials | Unit of Measure | CANADA | |
|---|-----------------|-------------|--------------------|
| | | Quantity | Value |
| | | | \$ |
| Wheat | Bushel | 105,571,222 | 185,676,202 |
| Oats | " | 11,149,370 | 9,561,679 |
| Barley | " | 2,932,084 | 3,382,959 |
| Rye | " | 64,113 | 105,598 |
| Corn | " | 346,820 | 857,416 |
| Buckwheat | " | 14,513 | 18,652 |
| Peas | " | 195 | 629 |
| Mixed grain for chopping .. | " | 3,369,092 | 3,475,003 |
| Other grains | " | 3,189 | 6,777 |
| Alfalfa | Ton | 3,060 | 75,384 |
| All other materials | - | - | 1,167,120 |
| Cost of containers purchased | - | - | 15,651,495 |
| Cost of materials used in making containers | - | - | 89,619 |
| TOTAL | - | - | 220,068,533 |

| | Unit of Measure | QUEBEC | | ONTARIO | |
|---|-----------------|------------|-------------------|------------|--------------------|
| | | Quantity | Value | Quantity | Value |
| | | | \$ | | \$ |
| Wheat | Bushel | 10,168,541 | 19,388,048 | 53,352,495 | 94,262,144 |
| Oats | " | 497,309 | 429,445 | 4,015,294 | 3,836,724 |
| Barley | " | 450,631 | 544,448 | 1,017,260 | 1,252,663 |
| Rye | " | - | - | 23,246 | 57,467 |
| Corn | " | 7,280 | 15,756 | 337,497 | 837,593 |
| Buckwheat | " | 5,723 | 7,753 | 8,725 | 10,840 |
| Peas | " | - | - | 165 | 564 |
| Mixed grain for chopping .. | " | 31,070 | 30,127 | 3,030,223 | 3,172,074 |
| Other grains | " | - | - | 530 | 637 |
| Alfalfa | Ton | 150 | 5,700 | 2,910 | 69,684 |
| All other materials | - | - | 77,838 | - | 769,747 |
| Cost of containers purchased | - | - | 1,399,751 | - | 7,426,972 |
| Cost of materials used in making containers | - | - | - | - | 89,569 |
| TOTAL | - | - | 21,898,866 | - | 111,786,678 |

THE FLOUR MILLING INDUSTRY, 1948

Table 3. - Materials Used in Flour Mills, by Provinces, 1948 - Concluded

| | Unit of Measure | Manitoba | | Saskatchewan and British Columbia /1 | |
|---|-----------------|------------|-------------------|--------------------------------------|-------------------|
| | | Quantity | Value | Quantity | Value |
| Wheat | Bushel | 10,903,199 | 18,613,123 | 15,835,980 | 28,028,744 |
| Oats | " | 1,758,573 | 1,498,305 | 3,555,286 | 2,734,883 |
| Barley | " | 700,893 | 791,649 | 270,219 | 289,337 |
| Rye | " | 13,651 | 25,940 | 24,187 | 18,072 |
| Corn | " | 1,484 | 3,051 | 500 | 900 |
| Buckwheat | " | 65 | 59 | - | - |
| Peas | " | - | - | - | - |
| Mixed grains for chopping. | " | 6,992 | 4,550 | 21,764 | 22,589 |
| Other grains | " | - | - | 2,040 | 2,500 |
| Alfalfa | Ton | - | - | - | - |
| All other materials | - | - | 23,569 | - | 47,879 |
| Cost of containers purchased | - | - | 1,685,488 | - | 3,060,210 |
| Cost of materials used in making containers ... | - | - | - | - | 50 |
| TOTAL | - | - | 22,645,734 | - | 34,205,164 |

| | Unit of Measure | Alberta | |
|---|-----------------|------------|-------------------|
| | | Quantity | Value |
| Wheat | Bushel | 15,311,007 | 25,384,143 |
| Oats | " | 1,322,908 | 1,062,322 |
| Barley | " | 493,081 | 504,862 |
| Rye | " | 3,029 | 4,119 |
| Corn | " | 59 | 116 |
| Buckwheat | " | - | - |
| Peas | " | 30 | 65 |
| Mixed grain for chopping . | " | 279,043 | 245,663 |
| Other grains | " | 619 | 3,640 |
| Alfalfa | Ton | - | - |
| All other materials | - | - | 248,087 |
| Cost of containers purchased | - | - | 2,079,074 |
| Cost of materials used in making containers | - | - | - |
| TOTALS | - | - | 29,532,091 |

/1 British Columbia includes feed mills.

THE FLOUR MILLING INDUSTRY, 1948

Table 4. - Capital Invested in Flour Mills, for the years, 1934 to 1943.

| Year | Fixed Capital | Working Capital | | Total Capital |
|------------------------------------|--|---|--|---------------|
| | Present value of land buildings fixtures machinery tools, etc. | Inventory value of materials on hand, stocks in process, finished products, fuel and miscellaneous supplies, etc. | Cash, trading and operating accounts, etc. | |
| | \$ | \$ | \$ | \$ |
| 1934 | 25,548,362 | 17,643,149 | 9,300,169 | 52,491,680 |
| 1935 | 25,228,104 | 15,702,433 | 9,347,584 | 50,278,121 |
| 1936 | 23,909,429 | 18,189,697 | 13,175,964 | 55,275,090 |
| 1937 | 23,667,541 | 18,111,125 | 7,839,078 | 49,617,744 |
| 1938 | 23,804,230 | 9,361,972 | 10,229,531 | 43,395,733 |
| 1939 | 21,677,350 | 12,823,418 | 6,667,207 | 41,167,975 |
| 1940 | 21,979,837 | 17,346,908 | 5,347,642 | 44,674,387 |
| 1941 | 25,056,978 | 18,902,695 | 7,611,305 | 51,570,978 |
| <u>1942</u> | | | | |
| CANADA | 25,313,096 | 20,519,702 | 7,649,478 | 53,482,276 |
| Prince Edward Island | 35,000 | 1,300 | 1,200 | 37,500 |
| Nova Scotia and New Brunswick | 19,500 | 713 | 5,000 | 25,213 |
| Quebec | 2,915,464 | 1,967,361 | 2,219,995 | 7,102,820 |
| Ontario | 13,630,880 | 8,443,138 | 2,926,473 | 25,000,491 |
| Manitoba | 2,584,074 | 2,727,585 | 430,399 | 5,742,058 |
| Saskatchewan | 2,904,271 | 3,900,517 | 680,411 | 7,485,199 |
| Alberta | 3,187,486 | 3,455,756 | 1,335,568 | 7,978,810 |
| British Columbia/1. | 36,421 | 23,332 | 50,432 | 110,185 |
| <u>1943</u> | | | | |
| CANADA | 23,513,240 | 27,877,373 | 9,585,816 | 60,976,429 |
| Prince Edward Island | 37,500 | 1,000 | 1,200 | 39,700 |
| Nova Scotia and New Brunswick | 15,000 | 776 | 4,236 | 20,012 |
| Quebec | 2,435,846 | 2,923,474 | 2,202,025 | 7,561,345 |
| Ontario | 12,815,129 | 11,387,654 | 4,286,564 | 28,489,347 |
| Manitoba | 2,229,181 | 4,829,116 | 504,351 | 7,562,648 |
| Saskatchewan | 2,798,515 | 4,139,505 | 1,222,823 | 8,160,843 |
| Alberta | 3,117,678 | 4,570,985 | 1,304,626 | 8,993,289 |
| British Columbia/1. | 64,391 | 24,863 | 59,991 | 149,245 |

/1. Includes feed mills.

Not Collected for 1944 - 1945 - 1946 - 1947 - 1948.

THE FLOUR MILLING INDUSTRY, 1948

Table 5. - Size of Establishments, 1947 and 1948

| Establishments having a production of - | Estab- lish- ments | Capital Invested | Em- ployees | Salaries and Wages | Cost of Materials Used | Total Production |
|--|--------------------------|---------------------|----------------|-----------------------|------------------------------|---------------------|
| | No. | \$ | No. | \$ | \$ | \$ |
| <u>1947</u> | | | | | | |
| Under \$50,000 | 29 | - | 107 | 243,245 | 732,342 | 822,781 |
| \$ 50,000 to \$ 99,999 | 13 | - | 42 | 62,555 | 812,221 | 955,234 |
| \$ 100,000 to \$ 199,999 | 28 | - | 151 | 246,598 | 3,482,170 | 4,266,107 |
| \$ 200,000 to \$ 499,999 | 36 | - | 351 | 609,044 | 9,078,985 | 10,976,508 |
| \$ 500,000 to \$ 999,999 | 26 | - | 479 | 947,513 | 14,992,024 | 18,554,989 |
| \$1,000,000 to \$4,999,999 | 26 | - | 1,112 | 2,206,748 | 43,680,063 | 50,045,855 |
| \$5,000,000 and over | 16 | - | 3,978 | 8,288,258 | 157,689,941 | 180,881,737 |
| TOTAL | 174 | - | 6,220 | 12,603,961 | 230,467,746 | 266,503,211 |
| <u>1948</u> | | | | | | |
| Under \$50,000 | 28 | - | 140 | 341,021 | 1,327,534 | 1,607,139 |
| \$ 50,000 to \$ 99,999 | 19 | - | 59 | 75,974 | 1,129,738 | 1,333,658 |
| \$ 100,000 to \$ 199,999 | 30 | - | 164 | 268,856 | 3,714,726 | 4,373,647 |
| \$ 200,000 to \$ 499,999 | 35 | - | 325 | 652,333 | 9,339,179 | 10,983,425 |
| \$ 500,000 to \$ 999,999 | 21 | - | 434 | 927,775 | 13,303,359 | 15,309,134 |
| \$1,000,000 to \$4,999,999 | 22 | - | 1,052 | 2,318,535 | 40,912,379 | 48,463,242 |
| \$5,000,000 and over | 15 | - | 3,160 | 7,300,096 | 150,341,618 | 173,268,286 |
| TOTAL | 170 | - | 5,334 | 11,882,590 | 220,068,533 | 255,338,531 |

THE FLOUR MILLING INDUSTRY, 1948

Table 6a - Daily Capacity of Flour Mills, 1947 and 1948

| Capacity of Mills per day of 24 hours | Number of Mills | Total Capacity of the Mills in each group | Average per estab- lishment | Per cent of Total | Number of barrels produced during the year | Average per estab- lishment | Per Cent of Total |
|--|-----------------------|---|-----------------------------------|----------------------|--|-----------------------------------|----------------------|
| | No. | barrels | barrels | % | barrels | barrels | % |
| <u>1947 /1</u> | | | | | | | |
| Under 100 barrels | 60 | 3,441 | 57 | 3.2 | 381,342 | 6,356 | 1.3 |
| 100 to 199 barrels . | 51 | 6,110 | 150 | 5.7 | 1,309,142 | 25,670 | 4.6 |
| 200 to 299 barrels . | 20 | 4,415 | 221 | 4.1 | 993,199 | 49,660 | 3.5 |
| 300 to 499 barrels . | 11 | 4,125 | 375 | 3.9 | 1,129,270 | 102,661 | 3.9 |
| 500 to 999 barrels . | 9 | 5,400 | 600 | 5.1 | 1,478,479 | 164,275 | 5.2 |
| 1,000 to 2,999 barrels . | 13 | 21,780 | 1,675 | 20.4 | 6,326,815 | 486,678 | 22.1 |
| 3,000 to 4,999 barrels . | 6 | 21,050 | 3,508 | 19.7 | 6,327,833 | 1,054,639 | 22.1 |
| 5,000 barrels and over . | 5 | 40,500 | 8,100 | 37.9 | 10,670,855 | 2,134,171 | 37.3 |
| TOTAL AND AVERAGE ... | 175 | 106,821 | 610 | 100.0 | 28,616,935 | 163,525 | 100.0 |
| <u>1948 /1</u> | | | | | | | |
| Under 100 barrels | 53 | 2,516 | 48 | 2.2 | 241,251 | 4,552 | 1.0 |
| 100 to 199 barrels . | 46 | 5,710 | 124 | 5.1 | 890,708 | 19,363 | 3.9 |
| 200 to 299 barrels . | 22 | 4,980 | 226 | 4.4 | 671,712 | 30,532 | 2.9 |
| 300 to 499 barrels . | 15 | 5,675 | 378 | 5.1 | 1,137,318 | 75,821 | 4.9 |
| 500 to 999 barrels . | 9 | 6,050 | 672 | 5.4 | 985,553 | 109,505 | 4.3 |
| 1,000 to 2,999 barrels . | 14 | 23,230 | 1,659 | 20.7 | 5,464,604 | 390,329 | 23.6 |
| 3,000 to 4,999 barrels . | 5 | 17,750 | 3,550 | 15.8 | 5,069,108 | 101,382 | 22.0 |
| 5,000 barrels and over . | 6 | 46,300 | 7,717 | 41.3 | 8,647,920 | 1,441,320 | 37.4 |
| TOTAL AND AVERAGE ... | 170 | 112,211 | 660 | 100.0 | 23,108,174 | 135,931 | 100.0 |

/1 Includes Whole wheat and Graham flour.

THE FLOUR MILLING INDUSTRY, 1948

Table 6b. - Equipment and Capacity of Flour Mills, 1948

| Province | Estab- lish- ments | Pairs of Rolls | Pairs of Stones | Estimated Maximum Capacity per day |
|--|--------------------------|----------------------|-----------------------|---|
| | No. | No. | No. | Bbl. |
| Quebec | 19 | 296 | 16 | 11,809 |
| Ontario | 76 | 1,607 | 25 | 57,122 |
| Manitoba | 20 | 479 | 3 | 11,095 |
| Saskatchewan and British Columbia | 31 | 608 | 1 | 15,095 |
| Alberta | 24 | 612 | - | 17,090 |
| CANADA | 170 | 3,602 | 45 | 112,211 |

THE FLOUR MILLING INDUSTRY, 1948

Table 7. - Employees, Salaries and Wages in Flour Mills, 1947 and 1948

| 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. | \$ |
| <u>1947</u> | | | | | | | | | |
| CANADA | 907 | 366 | 3,400,861 | 4,715 | 232 | 9,203,100 | 5,622 | 598 | 12,603,961 |
| Quebec | 147 | 48 | 688,563 | 485 | 10 | 960,050 | 632 | 58 | 1,648,613 |
| Ontario | 342 | 162 | 1,406,221 | 2,469 | 95 | 4,810,216 | 2,811 | 257 | 6,216,437 |
| Manitoba | 87 | 32 | 242,341 | 505 | 66 | 908,532 | 592 | 98 | 1,150,873 |
| Saskatchewan | 177 | 66 | 543,889 | 572 | 25 | 1,194,035 | 749 | 91 | 1,737,924 |
| Alberta | 154 | 58 | 519,847 | 684 | 36 | 1,330,267 | 838 | 94 | 1,850,114 |
| <u>1948</u> | | | | | | | | | |
| CANADA | 815 | 322 | 3,180,280 | 4,041 | 156 | 8,702,310 | 4,856 | 478 | 11,882,590 |
| Quebec | 129 | 48 | 725,809 | 478 | 12 | 1,056,973 | 607 | 60 | 1,782,782 |
| Ontario | 290 | 112 | 1,137,932 | 2,035 | 40 | 4,374,151 | 2,325 | 152 | 5,512,083 |
| Manitoba | 83 | 30 | 256,715 | 437 | 50 | 858,909 | 520 | 80 | 1,115,624 |
| Saskatchewan and British Columbia /1 | 158 | 77 | 529,315 | 491 | 23 | 1,135,254 | 649 | 100 | 1,664,569 |
| Alberta | 155 | 55 | 530,509 | 600 | 31 | 1,277,023 | 755 | 86 | 1,807,532 |

/1 British Columbia includes feed mills.

THE FLOUR MILLING INDUSTRY, 1948

Table 8. - Monthly Employment of Wage-Earners, 1947 and 1948

| Months | In Flour Mills | | | |
|--------------------------------|----------------|--------|-------|--------|
| | 1947 | | 1948 | |
| | Male | Female | Male | Female |
| | No. | No. | No. | No. |
| January | 4,634 | 251 | 4,171 | 147 |
| February | 4,649 | 251 | 4,149 | 136 |
| March | 4,663 | 207 | 4,114 | 143 |
| April | 4,722 | 196 | 4,049 | 128 |
| May | 4,745 | 176 | 3,980 | 125 |
| June | 4,769 | 171 | 4,029 | 131 |
| July | 4,797 | 199 | 3,990 | 131 |
| August | 4,830 | 234 | 3,978 | 160 |
| September | 4,810 | 268 | 4,214 | 213 |
| October | 4,843 | 299 | 4,088 | 202 |
| November | 4,668 | 293 | 3,975 | 166 |
| December | 4,434 | 226 | 3,807 | 151 |
| Average monthly employment ... | 4,715 | 232 | 4,041 | 156 |

Table 9. - Consumption of Fuel and Electricity, 1947 and 1948

| Kinds of Fuel | Unit of Measure | 1947 | | 1948 | |
|---|-----------------|-------------|------------------|-------------|------------------|
| | | Quantity | Cost Value | Quantity | Cost Value |
| Bituminous coal | Short ton | 37,246 | \$ 295,265 | 29,430 | \$ 283,365 |
| Anthracite coal | " " | 509 | 5,711 | 464 | 6,586 |
| Lignite coal | " " | 13,845 | 60,249 | 12,187 | 53,706 |
| Coke | " " | 6 | 100 | 16 | 230 |
| Gasoline | Imp. Gal. | 259,916 | 89,863 | 242,872 | 86,202 |
| Kerosene or coal oil | " " | 620 | 177 | 1,182 | 331 |
| Fuel and diesel oil | " " | 291,921 | 57,852 | 234,612 | 41,877 |
| Wood | Cord | 997 | 7,936 | 4,519 | 5,232 |
| Gas, manufactured and natural | M cu.ft. | 219,159 | 25,680 | 205,630 | 23,411 |
| Other fuel | - | - | 9,829 | - | 11,117 |
| Electricity purchased | K.W.H. | 173,243,521 | 1,337,354 | 143,949,419 | 1,189,245 |
| Electricity generated for sale | - | - | 9,544 | - | - |
| TOTAL COST OF FUEL AND ELECTRICITY | - | - | 1,899,560 | - | 1,701,302 |

THE FLOUR MILLING INDUSTRY, 1948

Table 10. - Power Equipment in Flour Mills, 1947 and 1948

| Classes of Power | 1 9 4 7 | | 1 9 4 8 | |
|--|-----------------|---|-----------------|---|
| | Number of Units | Manufacturers' Rating of Horse-power Capacity | Number of Units | Manufacturers' Rating of Horse-power Capacity |
| Steam engines and steam turbines | In use .. 19 | 2,920 | 10 | 2,950 |
| | Idle .. 4 | 367 | 5 | 542 |
| Diesel engines | In use .. 30 | 1,974 | 27 | 2,109 |
| | Idle ... 6 | 465 | 5 | 415 |
| Gasoline, gas and oil engines, other than ... | In use .. 16 | 624 | 14 | 584 |
| diesel | Idle ... 6 | 212 | 5 | 185 |
| Hydraulic turbines or Water wheels | In use .. 83 | 9,754 | 84 | 9,671 |
| | Idle ... 5 | 175 | 4 | 150 |
| Electric motors operated by purchased power | In use .. 3,091 | 62,560 | 3,246 | 65,008 |
| | Idle .. 229 | 5,597 | 247 | 6,858 |
| TOTAL POWER USED IN MANUFACTURING | 3,489 | 84,648 | 3,647 | 88,472 |
| Electric motors operated by power generated by the establishment | In use .. 47 | 960 | 36 | 720 |
| | Idle .. - | - | - | - |
| Boilers | In use .. 23 | 4,112 | 20 | 3,872 |
| | Idle .. 2 | 150 | 3 | 765 |
| Motor generator sets ... | In use .. 8 | 213 | 6 | 69 |
| | Idle .. - | - | - | - |

THE FEED AND CHOPPING MILL INDUSTRY, 1948

SECTION 3. - FEED AND CHOPPING MILLS, 1948

Table 1. - Principal Statistics of the Feed and Chopping Mill Industries in Canada, for the Years 1935 - 1948

| Year | Estab-lish-ments | Capital Invested | Em-ployees | Salaries and Wages | Cost of Materials Used | Gross Value of Production |
|----------------------|------------------|------------------|------------|--------------------|------------------------|---------------------------|
| | No. | \$ | No. | \$ | \$ | \$ |
| 1935 | 743 | 6,197,194 | 1,210 | 685,828 | 12,693,050 | 15,611,931 |
| 1936 | 755 | 6,592,197 | 1,269 | 757,035 | 16,641,994 | 20,296,505 |
| 1937 | 751 | 6,662,288 | 1,334 | 808,441 | 17,541,591 | 20,889,600 |
| 1938 | 752 | 6,715,273 | 1,324 | 828,985 | 15,351,554 | 18,711,858 |
| 1939 | 747 | 6,758,343 | 1,358 | 894,126 | 16,270,466 | 20,031,379 |
| 1940 | 748 | 7,496,105 | 1,491 | 998,623 | 18,804,887 | 23,337,432 |
| 1941 | 844 | 8,425,629 | 1,643 | 1,172,298 | 24,748,779 | 30,007,770 |
| 1942 | 894 | 9,160,083 | 1,731 | 1,318,368 | 28,228,172 | 33,875,151 |
| 1943 | 871 | 9,978,917 | 1,826 | 1,574,122 | 35,636,127 | 42,033,149 |
| 1944 | 863 | - | 1,828 | 1,586,814 | 33,537,369 | 39,084,506 |
| 1945 | 828 | - | 1,858 | 1,692,362 | 33,771,092 | 39,706,499 |
| 1946 | 790 | - | 2,024 | 2,013,312 | 39,014,228 | 45,831,430 |
| 1947 | | | | | | |
| CANADA | 787 | - | 2,065 | 2,228,098 | 50,206,730 | 57,649,246 |
| Prince Edward Island | 7 | - | 11 | 8,123 | 167,327 | 203,706 |
| Nova Scotia | 7 | - | 15 | 12,751 | 262,465 | 303,419 |
| New Brunswick | 13 | - | 23 | 22,031 | 320,864 | 374,329 |
| Quebec | 143 | - | 373 | 402,717 | 5,350,305 | 6,445,667 |
| Ontario | 553 | - | 1,447 | 1,546,019 | 38,074,617 | 43,546,489 |
| Manitoba | 16 | - | 83 | 110,276 | 3,482,506 | 3,822,656 |
| Saskatchewan | 6 | - | 21 | 25,572 | 391,068 | 462,930 |
| Alberta | 39 | - | 80 | 91,929 | 2,096,498 | 2,416,754 |
| British Columbia .. | 3 | - | 12 | 8,680 | 61,080 | 73,296 |
| 1948 | | | | | | |
| CANADA | 754 | - | 1,790 | 2,173,061 | 49,180,903 | 55,430,169 |
| Prince Edward Island | 7 | - | 12 | 9,735 | 218,375 | 252,109 |
| Nova Scotia | 4 | - | 6 | 4,911 | 112,761 | 136,437 |
| New Brunswick | 14 | - | 25 | 23,997 | 373,101 | 432,992 |
| Quebec | 135 | - | 343 | 398,589 | 5,621,887 | 6,562,410 |
| Ontario | 534 | - | 1,259 | 1,537,669 | 38,938,775 | 43,513,010 |
| Manitoba | 16 | - | 49 | 57,549 | 1,189,468 | 1,374,974 |
| Saskatchewan | 6 | - | 19 | 29,583 | 345,844 | 416,220 |
| Alberta | 38 | - | 77 | 111,028 | 2,380,692 | 2,742,017 |

THE FEED AND CHOPPING MILL INDUSTRY, 1948

Table 2. - Production in Feed and Chopping Mills by Classes, Quantity and Value for Canada and the Provinces, 1947 and 1948

| Provinces | Chopped Grain Feed | | Other Products | Total |
|---------------------------|--------------------|------------|----------------|------------|
| | Quantity | Value | Value | Value |
| | Ton | \$ | \$ | \$ |
| 1947 | | | | |
| CANADA | 964,326 | 47,816,569 | 9,832,677 | 57,649,246 |
| Prince Edward Island | 2,352 | 120,419 | 83,287 | 203,706 |
| Nova Scotia | 4,588 | 227,839 | 75,580 | 303,419 |
| New Brunswick | 5,110 | 260,092 | 114,237 | 374,329 |
| Quebec | 102,505 | 5,019,788 | 1,425,879 | 6,445,667 |
| Ontario | 738,286 | 37,299,823 | 6,246,666 | 43,546,489 |
| Manitoba | 53,239 | 2,402,147 | 1,420,509 | 3,822,656 |
| Saskatchewan | 7,505 | 340,230 | 122,700 | 462,930 |
| Alberta | 49,559 | 2,101,348 | 315,406 | 2,416,754 |
| British Columbia | 1,182 | 44,883 | 28,413 | 73,296 |
| 1948 | | | | |
| CANADA | 792,369 | 44,465,281 | 10,964,888 | 55,430,169 |
| Prince Edward Island | 2,513 | 142,642 | 109,467 | 252,109 |
| Nova Scotia | 1,878 | 114,456 | 21,981 | 136,437 |
| New Brunswick | 4,306 | 238,185 | 194,807 | 432,992 |
| Quebec | 85,613 | 4,818,452 | 1,743,958 | 6,562,410 |
| Ontario | 626,992 | 35,554,092 | 7,958,918 | 43,513,010 |
| Manitoba | 18,124 | 955,581 | 419,393 | 1,374,974 |
| Saskatchewan | 5,655 | 293,890 | 122,330 | 416,220 |
| Alberta | 47,288 | 2,347,983 | 394,034 | 2,742,017 |

Table 3. - Materials Used in Feed and Chopping Mills, 1947 and 1948

| Materials | Unit of Measure | 1947 | | 1948 | |
|--|-----------------|------------|------------|------------|------------|
| | | Quantity | Value | Quantity | Value |
| | | | \$ | | \$ |
| Wheat | Bushel | 3,109,309 | 4,073,991 | 2,226,380 | 3,814,568 |
| Oats | " | 12,902,530 | 9,159,760 | 10,402,382 | 8,590,506 |
| Barley | " | 9,179,706 | 8,641,605 | 7,450,060 | 8,433,418 |
| Rye | " | 9,967 | 31,099 | 31,590 | 48,621 |
| Corn | " | 326,463 | 560,875 | 361,213 | 612,378 |
| Buckwheat | " | 127,580 | 156,650 | 116,875 | 149,884 |
| Peas | " | 131,812 | 422,651 | 90,575 | 284,561 |
| Mixed grain | " | 26,354,246 | 23,999,261 | 22,703,973 | 23,527,430 |
| Other grains | " | 149,518 | 133,479 | 276,150 | 333,445 |
| Cost of containers ... | - | - | 728,602 | - | 479,993 |
| Materials used for making containers ... | - | - | 375 | - | 594 |
| All other materials .. | - | - | 2,298,382 | - | 2,905,505 |
| TOTAL | - | - | 50,206,730 | - | 49,180,903 |

THE FEED AND CHOPPING MILL INDUSTRY, 1948

Table 4. - Capital Invested in Feed and Chopping Mills in Canada, for the Years 1931 to 1943.

| Year | Fixed Capital | Working Capital | | Total Capital |
|----------------------|--|---|---|---------------|
| | Present value of land, buildings, fixtures, machinery, tools, etc. | Inventory value of materials on hand, stocks in process, finished products, fuel and miscellaneous supplies, etc. | Cash, trading and operating accounts etc. | |
| 1931 | \$ 4,769,977 | \$ 600,184 | \$ 648,670 | \$ 6,018,831 |
| 1932 | 4,643,405 | 513,708 | 708,760 | 5,865,873 |
| 1933 | 5,636,916 | 680,919 | 747,238 | 7,065,073 |
| 1934 | 5,177,302 | 751,160 | 873,284 | 6,801,746 |
| 1935 | 4,769,086 | 658,972 | 769,136 | 6,197,194 |
| 1936 | 4,857,890 | 893,784 | 840,523 | 6,592,197 |
| 1937 | 4,865,347 | 908,866 | 888,075 | 6,662,288 |
| 1938 | 4,883,222 | 921,036 | 911,015 | 6,715,273 |
| 1939 | 4,914,395 | 851,517 | 992,431 | 6,758,343 |
| 1940 | 5,366,417 | 1,034,647 | 1,095,041 | 7,496,105 |
| 1941 | 5,903,713 | 1,301,276 | 1,220,640 | 8,425,629 |
| <u>1 9 4 2</u> | | | | |
| CANADA | 6,267,958 | 1,462,322 | 1,429,803 | 9,160,083 |
| Prince Edward Island | 90,000 | - | 150 | 9,150 |
| Nova Scotia | 73,814 | 76,597 | 43,911 | 194,322 |
| New Brunswick | 55,465 | 38,519 | 35,653 | 129,637 |
| Quebec | 703,393 | 136,685 | 165,904 | 1,005,982 |
| Ontario | 5,149,778 | 1,157,728 | 1,104,353 | 7,411,859 |
| Manitoba | 70,130 | 25,551 | 22,723 | 118,404 |
| Saskatchewan | 33,360 | 4,634 | 3,272 | 41,266 |
| Alberta | 159,097 | 15,444 | 19,322 | 193,863 |
| British Columbia.. | 13,921 | 7,164 | 34,515 | 55,600 |
| <u>1 9 4 3</u> | | | | |
| CANADA | 6,391,307 | 1,706,643 | 1,880,967 | 9,978,917 |
| Prince Edward Island | 7,500 | 80 | 150 | 7,730 |
| Nova Scotia | 52,944 | 17,066 | 111,245 | 181,255 |
| New Brunswick | 56,565 | 51,693 | 39,066 | 147,324 |
| Quebec | 844,373 | 219,538 | 227,409 | 1,291,320 |
| Ontario | 5,087,173 | 1,365,383 | 1,387,117 | 7,839,673 |
| Manitoba | 107,038 | 15,429 | 39,233 | 161,700 |
| Saskatchewan | 33,272 | 7,946 | 7,089 | 48,307 |
| Alberta | 168,051 | 18,294 | 29,732 | 216,077 |
| British Columbia . | 34,391 | 11,214 | 39,926 | 85,531 |

Not collected for 1944 - 1945 - 1946 - 1947 - 1948.

THE FEED AND CHOPPING INDUSTRY, 1948
Table 5. - Size of Establishments, 1947 and 1948

| Establishments having a production of - | Estab- lish- ments | Capital Invested | Em- ployees | Salaries and Wages | Cost of Materials Used | Total Production |
|--|--------------------------|---------------------|----------------|-----------------------|------------------------------|---------------------|
| | No. | \$ | No. | \$ | \$ | \$ |
| <u>1947</u> | | | | | | |
| Under \$50,000 | 404 | - | 619 | 402,625 | 8,257,831 | 9,457,172 |
| \$ 50,000 to \$ 99,999 | 210 | - | 526 | 566,007 | 13,002,364 | 14,829,879 |
| \$100,000 to \$199,999 | 130 | - | 551 | 707,531 | 15,629,475 | 17,876,882 |
| \$200,000 to over \$500,000 ... | 43 | - | 369 | 551,935 | 13,317,060 | 15,485,313 |
| TOTAL | 787 | - | 2,065 | 2,228,098 | 50,206,730 | 57,649,246 |
| <u>1948</u> | | | | | | |
| Under \$50,000 | 374 | - | 485 | 287,423 | 7,626,441 | 8,526,940 |
| \$ 50,000 to \$ 99,999 | 195 | - | 459 | 538,517 | 12,434,350 | 14,001,201 |
| \$100,000 to \$199,999 | 147 | - | 577 | 858,136 | 18,358,017 | 20,655,844 |
| \$200,000 to over \$1,000,000 . | 38 | - | 269 | 488,985 | 10,762,095 | 12,246,184 |
| TOTAL | 754 | - | 1,790 | 2,173,061 | 49,180,903 | 55,430,169 |

THE FEED AND CHOPPING MILL INDUSTRY, 1948

Table 6. - Employees, Salaries and Wages in Feed and Chopping Mills, 1947 and 1948

| Provinces | Employees on Salaries | | | Employees on Wages | | | Total Employees, Salaries and Wages | | |
|----------------------------|-----------------------|--------|----------------|--------------------|--------|-------------|-------------------------------------|--------|--------------------|
| | Male | Female | Total Salaries | Male | Female | Total Wages | Male | Female | Salaries and Wages |
| | No. | No. | \$ | No. | No. | \$ | No. | No. | \$ |
| <u>1947</u> | | | | | | | | | |
| CANADA | 742 | 77 | 821,882 | 1,230 | 16 | 1,406,216 | 1,972 | 93 | 2,228,098 |
| Prince Edward Island | 8 | - | 6,178 | 3 | - | 1,945 | 11 | - | 8,123 |
| Nova Scotia | 7 | - | 4,775 | 8 | - | 7,976 | 15 | - | 12,751 |
| New Brunswick .. | 13 | 1 | 11,303 | 9 | - | 10,728 | 22 | 1 | 22,031 |
| Quebec | 133 | 15 | 139,166 | 220 | 5 | 263,551 | 353 | 20 | 402,717 |
| Ontario | 505 | 52 | 574,852 | 879 | 11 | 971,167 | 1,384 | 63 | 1,546,019 |
| Manitoba | 25 | 3 | 31,745 | 55 | - | 78,531 | 80 | 3 | 110,276 |
| Saskatchewan ... | 6 | 1 | 7,040 | 14 | - | 18,532 | 20 | 1 | 25,572 |
| Alberta | 39 | 2 | 40,903 | 39 | - | 51,026 | 78 | 2 | 91,929 |
| British Columbia | 6 | 3 | 5,920 | 3 | - | 2,760 | 9 | 3 | 8,680 |
| <u>1948</u> | | | | | | | | | |
| CANADA | 704 | 68 | 859,620 | 1,011 | 7 | 1,313,441 | 1,715 | 75 | 2,173,061 |
| Prince Edward Island | 7 | - | 6,400 | 5 | - | 3,335 | 12 | - | 9,735 |
| Nova Scotia | 2 | - | 1,040 | 4 | - | 3,871 | 6 | - | 4,911 |
| New Brunswick .. | 12 | 1 | 10,104 | 12 | - | 13,893 | 24 | 1 | 23,997 |
| Quebec | 121 | 16 | 129,039 | 203 | 3 | 269,550 | 324 | 19 | 398,589 |
| Ontario | 490 | 46 | 622,183 | 719 | 4 | 915,486 | 1,209 | 50 | 1,537,669 |
| Manitoba | 24 | 2 | 28,750 | 23 | - | 28,799 | 47 | 2 | 57,549 |
| Saskatchewan ... | 7 | 1 | 7,660 | 11 | - | 21,923 | 18 | 1 | 29,583 |
| Alberta | 41 | 2 | 54,444 | 34 | - | 56,584 | 75 | 2 | 111,028 |

THE FEED AND CHOPPING MILL INDUSTRY, 1948

Table 7. - Monthly Employment of Wage-earners, 1947 and 1948

| | In Feed and Chopping Mills | | | |
|----------------------------|----------------------------|--------|-------|--------|
| | 1947 | | 1948 | |
| | Male | Female | Male | Female |
| | No. | No. | No. | No. |
| January | 1,175 | 20 | 1,028 | 7 |
| February | 1,170 | 18 | 1,020 | 7 |
| March | 1,196 | 17 | 1,018 | 7 |
| April | 1,211 | 17 | 1,005 | 7 |
| May | 1,225 | 15 | 1,001 | 7 |
| June | 1,200 | 14 | 970 | 6 |
| July | 1,181 | 13 | 977 | 7 |
| August | 1,181 | 13 | 985 | 7 |
| September | 1,177 | 11 | 985 | 7 |
| October | 1,218 | 12 | 1,019 | 8 |
| November | 1,220 | 12 | 1,033 | 7 |
| December | 1,152 | 12 | 1,028 | 7 |
| Average monthly employment | 1,230 | 16 | 1,011 | 7 |

Table 8. - Consumption of Fuel and Electricity in Feed and Chopping Mills, 1947 and 1948

| Kinds of Fuel | Unit of Measure | 1947 | | 1948 | |
|---|-----------------|------------|--------------------|------------|--------------------|
| | | Quantity | Total Cost at Mill | Quantity | Total Cost at Mill |
| | | | \$ | | \$ |
| Coal - | Ton | | | | |
| Bituminous | (2000 lb.) | 2,338 | 25,665 | 615 | 8,248 |
| Anthracite | " | 302 | 5,000 | 330 | 5,506 |
| Lignite | " | 177 | 958 | 543 | 7,057 |
| Coke | " | 43 | 663 | 29 | 502 |
| Gasoline | Imp. Gal. | 381,916 | 125,741 | 355,069 | 121,429 |
| Kerosene or coal oil | " " | 1,171 | 259 | 810 | 168 |
| Fuel or diesel oil | " " | 593,320 | 92,329 | 519,031 | 95,681 |
| Wood | Cord | 638 | 4,272 | 464 | 3,517 |
| Gas, manufactured and natural. | M. cu. ft. | 15,193 | 8,540 | 14,000 | 8,914 |
| Other fuel | - | - | 75 | - | 197 |
| Electricity purchased | K.W.H. | 13,517,414 | 304,091 | 11,545,592 | 272,664 |
| TOTAL COST OF FUEL AND ELECTRICITY | | - | 567,593 | - | 523,883 |

THE FEED AND CHOPPING MILL INDUSTRY, 1948

Table 9. - Power Equipment in Feed and Chopping Mills, 1947 and 1948

| | 1 9 4 7 | | 1 9 4 8 | |
|---|-----------------|---|-----------------|---|
| | Number of Units | Manufacturers' Rating of Horse-power Capacity | Number of Units | Manufacturers' Rating of Horse-power Capacity |
| Steam engines and steam turbines | In use 8 | 345 | 8 | 220 |
| | Idle 3 | 130 | 4 | 245 |
| Diesel engines | In use 204 | 11,040 | 198 | 10,748 |
| | Idle 7 | 295 | 11 | 493 |
| Gasoline, gas and oil engines, other than diesel | In use 162 | 6,552 | 161 | 6,611 |
| | Idle 25 | 847 | 25 | 784 |
| Hydraulic turbines or water wheels | In use 272 | 10,983 | 246 | 9,988 |
| | Idle 11 | 570 | 12 | 676 |
| Electric motors operated by purchased power .. | In use 1,248 | 18,530 | 1,262 | 18,130 |
| | Idle 49 | 879 | 46 | 658 |
| TOTAL POWER USED IN MANUFACTURING | 1,989 | 50,171 | 1,973 | 48,553 |
| Electric motors operated by power generated by the establishment | 6 | 23 | - | - |
| Total Electric Motors . | 1,303 | 19,432 | 1,308 | 18,788 |
| TOTAL POWER INSTALLATION | 1,995 | 50,194 | 1,973 | 48,553 |
| Boilers | In use 6 | 362 | 3 | 180 |
| | Idle 1 | 50 | 1 | 50 |
| Motor generator sets .. | In use 5 | 53 | 5 | 20 |
| | Idle 1 | 30 | - | - |

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