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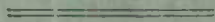
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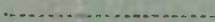
CANADA
DEPARTMENT OF TRADE AND COMMERCE
DOMINION BUREAU OF STATISTICS

+++ Industry and Merchandising Division +++

GENERAL MANUFACTURES SECTION



REPORT
ON THE
FLOUR AND FEED MILLING INDUSTRIES
IN
CANADA
1947



OTTAWA
1949

32-215

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

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|--|------------------|
| Dominion Statistician: | Herbert Marshall |
| Director, Industry and Merchandising Division: | W. H. Losee |
| Chief, General Manufacturing Section: | A. Cohen |

THE FLOUR AND FEED MILLING INDUSTRIES IN CANADA, 1947

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

SECTION 1. - GENERAL SUMMARY

A review of the flour and feed milling industries during the year 1947 reveals a decrease of 13 in the number of mills reporting, with a marked increase in all of the other items comprising the principal statistics. These are shown in Table 1, for the Dominion for the years 1935 to 1945 and by provinces for the years 1946 and 1947.

The flour milling industry operated at a high level of production in 1947. The output of flour amounting to 28,619,063 barrels was the highest on record and represents an increase of 1,467,131 barrels or 5.4 per cent over the 1946 output. The output of bran, shorts and middlings increased by 14,544 tons, and that of prepared stock and poultry feeds by 14,818 tons. There was a decrease in the output of oatmeal and rolled oats of 32,866 tons and in chopped grain feed of 41,023 tons.

The physical volume of production for the industry as a whole increased by about 2 per cent in 1947. The increase in the gross value of production amounting to \$63,493,006 or 24.3 per cent is therefore due in large part to an increase in the selling value at the mill of the products made, as the following table shows:

| Product | Unit | Selling Value at Mill | |
|----------------------------|--------|-----------------------|--------|
| | | 1946 | 1947 |
| | | \$ | \$ |
| Wheat flour, all grades | Barrel | 6.05 | 7.38 |
| Oatmeal and rolled oats | Ton | 87.27 | 116.34 |
| Bran, shorts and middlings | " | 24.59 | 27.80 |
| Feed, chopped | " | 38.53 | 48.70 |
| Stock and poultry feeds | " | 48.45 | 57.36 |

This industry, which has existed to meet the domestic needs for more than 300 years, is one of the Dominion's oldest manufactures, but it is only within recent times that its progress has become spectacular. The war of 1914-1918 and the demand it created gave a great impetus to this trade. The 174 flour mills, many of them of the most modern type and highest efficiency, have a capacity far in excess of Canada's demands.

THE FLOUR AND FEED MILLING INDUSTRIES IN CANADA, 1947

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 jumped accordingly to 18,081,882 barrels in 1947. The great demand of Canadian flour in foreign markets 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 1947 amounted to \$324,152,457 of which wheat flour was accountable for \$211,155,576. Next in order of importance was chopped grain feed with a total of \$57,890,352 followed by shorts and middlings to the extent of \$15,332,542, bran takes fourth place with \$11,652,805, whilst stock and poultry feeds occupies fifth position with a valuation of \$9,759,949. The output of wheat flour of all grades in 1947 totalled to 28,619,063 barrels valued at \$7.38 per barrel. This represents an increase of 1,467,131 in the number of barrels produced and an increase of \$1.33 in the selling price per barrel as compared with 1946.

Employees, Salaries and Wages. - The administrative and clerical work in connection with the two industries required the services of 1,649 male and 443 female employees whose total salaries amounted to \$4,222,743. The number of wage-earners employed was 5,945 male and 248 female which necessitated a payroll amounting to \$10,609,316.

Cost of Materials. - The total cost of all materials in both industries, including containers, amounted to \$280,674,476. Wheat of all types was by far the largest contributor to this sum with \$196,733,442. Mixed grain for chopping takes second place with \$26,994,139. The next largest item of expense was that of oats which accounted for \$20,231,953 whilst containers and container materials occupy fourth position with a total cost of \$18,666,887.

THE FLOUR AND FEED MILLING INDUSTRIES IN CANADA, 1947

Table 1. - Principal Statistics for the Years 1935 to 1947

| Year | Estab- lish- ments | Capital Invested | Em- p- loyees | Salaries and Wages | Cost of Materials Used | Gross Value of Production |
|----------------------------------|--------------------------|---------------------|---------------------|-----------------------|------------------------------|---------------------------------|
| | No. | \$ | No. | \$ | \$ | \$ |
| 1935 | 1,127 | 56,475,315 | 5,454 | 5,165,507 | 78,071,667 | 97,567,868 |
| 1936 | 1,118 | 61,867,287 | 5,685 | 5,542,945 | 90,614,236 | 114,617,099 |
| 1937 | 1,086 | 56,280,032 | 5,803 | 5,877,756 | 111,558,331 | 133,634,179 |
| 1938 | 1,080 | 50,111,006 | 5,778 | 6,163,351 | 99,418,794 | 122,598,168 |
| 1939 | 1,050 | 47,926,318 | 5,898 | 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 |
| <u>1946</u> | | | | | | |
| CANADA ... | 974 | - | 8,036 | 12,898,160 | 224,233,698 | 260,659,451 |
| Prince Edward Island | 6 | - | 7 | 3,584 | 67,301 | 87,688 |
| Nova Scotia | 5 | - | 7 | 5,030 | 75,925 | 90,107 |
| New Brunswick .. | 11 | - | 16 | 8,314 | 108,616 | 126,059 |
| Quebec | 164 | - | 1,059 | 1,865,087 | 22,190,667 | 27,350,744 |
| Ontario | 639 | - | 4,341 | 6,729,268 | 123,825,572 | 141,778,944 |
| Manitoba | 37 | - | 785 | 1,220,881 | 23,111,920 | 27,073,112 |
| Saskatchewan.... | 37 | - | 803 | 1,407,399 | 26,776,239 | 30,282,634 |
| Alberta | 71 | - | 997 | 1,652,265 | 28,029,445 | 33,812,288 |
| British Columbia | 4 | - | 21 | 6,332 | 48,013 | 57,875 |
| <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>1947</u> | | | | | | |
| CANADA ... | 961 | - | 8,285 | 14,832,059 | 280,674,476 | 324,152,457 |
| Flour mills | 174 | - | 6,220 | 12,603,961 | 230,467,746 | 266,503,211 |
| Feed and chooping mills | 787 | - | 2,065 | 2,228,098 | 50,206,730 | 57,649,246 |

THE FLOUR AND FEED MILLING INDUSTRIES IN CANADA, 1947

Table 2. - Quantity and Value of Principal Mill Products in Canada,
1941 to 1947

| Products | Unit of Measure | Quantity | Selling Value at Mill | Average Value |
|---------------------------------|-----------------|------------|-----------------------|---------------|
| | | | \$ | \$ |
| <u>1941</u> | | | | |
| Wheat flour, all grades | Barrel | 20,869,321 | 79,269,842 | 3.80 |
| Oatmeal and rolled oats | Ton | 95,932 | 6,266,204 | 65.32 |
| Bran, shorts and middlings ... | " | 721,292 | 16,027,612 | 22.22 |
| Feed, chopped | " | 1,068,061 | 31,478,328 | 29.47 |
| <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 |

THE FLOUR AND FEED MILLING INDUSTRIES IN CANADA, 1947

Table 3. - Production in All Mills, by Classes, 1947

| | 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. | 5,985,671 | 43,750,115 | 7,813 | 53,174 | 43,803,289 |
| Spring No. 2 Patent | " | 5,462,154 | 34,500,901 | 1,992 | 17,485 | 34,518,386 |
| Spring No. 3 Patent (Strong Bakers or Export Patent .. | " | 14,451,357 | 117,458,907 | 1,690 | 12,489 | 117,471,396 |
| Ontario Winter Wheat flour .. | " | 756,955 | 4,794,912 | 413 | 2,747 | 4,797,659 |
| Durum Semolina and flour .. | " | 182,809 | 731,688 | - | - | 731,688 |
| Lower grades of flour | " | 856,689 | 4,054,425 | 9 | 28 | 4,054,453 |
| All other | " | 646,138 | 4,252,867 | 8 | 28 | 4,252,895 |
| Flour and meal, other - | | | | | | |
| Whole wheat and Graham flour | Lb. | 265,365 | 1,525,810 | - | - | 1,525,810 |
| Prepared or self raising flour | " | 2,190,976 | 217,784 | - | - | 217,784 |
| Barley flour | " | - | - | - | - | - |
| Barley meal | " | 44,110,460 | 1,057,809 | - | - | 1,057,809 |
| Rye flour | " | 3,945,750 | 229,601 | - | - | 229,601 |
| Rye meal | " | 1,452,861 | 59,233 | - | - | 59,233 |
| Corn flour | " | 4,046,926 | 189,940 | - | - | 189,940 |
| Corn meal | " | 11,145,808 | 488,549 | - | - | 488,549 |
| Buckwheat flour | " | 468,740 | 25,039 | 150,225 | 9,421 | 34,460 |
| Pea meal | " | 277,130 | 5,457 | - | - | 5,457 |
| Breakfast foods - | | | | | | |
| Prepared breakfast foods .. | Lb. | 251,318 | 23,340 | - | - | 23,340 |
| Oatmeal | Ton | 16,164 | 1,923,980 | 6 | 510 | 1,924,490 |
| Rolled oats | " | 79,848 | 9,245,988 | - | - | 9,245,988 |
| Rolled or flaked wheat ... | Lb. | 1,277,859 | 46,984 | - | - | 46,984 |
| Unprepared breakfast food. | " | 12,683,776 | 866,674 | 3,902 | 195 | 866,869 |
| Other products - | | | | | | |
| Barley, pot and pearl | Lb. | 7,218,084 | 313,803 | - | - | 313,803 |
| Corn, cracked | " | 60,140 | 1,664 | - | - | 1,664 |
| Peas, split | " | 6,504,050 | 515,096 | - | - | 515,096 |
| Stock and poultry foods .. | Ton | 168,055 | 9,635,231 | 2,097 | 124,718 | 9,759,949 |
| Shorts and middlings | " | 541,068 | 15,323,990 | 245 | 8,552 | 15,332,542 |
| Bran | " | 429,238 | 11,644,669 | 243 | 8,136 | 11,652,805 |
| Chopped grain feed | " | 528,954 | 25,012,167 | 659,847 | 32,878,185 | 57,890,352 |
| Alfalfa meal | " | 2,659 | 81,446 | - | - | 81,446 |
| Offal, not otherwise specified | " | 112,554 | 2,838,979 | 174 | 5,700 | 2,844,679 |
| All other products | - | - | 214,041 | - | - | 214,041 |
| TOTAL VALUE OF PRODUCTION IN ALL MILLS... | | | 291,031,089 | - | 33,121,368 | 324,152,457 |

THE FLOUR AND FEED MILLING INDUSTRIES IN CANADA, 1947

Table 4. - Materials Used in All Mills, 1946 and 1947

| | Unit of Measure | C A N A D A | |
|---|-----------------|-------------|--------------------|
| | | Quantity | Cost Value at Mill |
| \$ | | | |
| <u>1946</u> | | | |
| Wheat | Bushel | 125,412,237 | 157,236,517 |
| Oats | " | 28,312,549 | 15,419,513 |
| Barley | " | 11,841,605 | 8,522,159 |
| Rye | " | 195,635 | 290,852 |
| Corn | " | 1,055,146 | 1,475,801 |
| Buckwheat | " | 130,518 | 129,716 |
| Peas | " | 71,923 | 236,069 |
| Mixed grains for chopping | " | 32,583,137 | 22,561,062 |
| Other grains | " | 450,143 | 323,089 |
| Alfalfa | Ton | 4,768 | 113,188 |
| Cost of containers purchased | - | - | 15,183,367 |
| Cost of materials used in making containers | - | - | 2,104 |
| All other materials | - | - | 2,740,261 |
| TOTAL COST OF MATERIALS USED | - | - | 224,233,698 |
| <u>1947</u> | | | |
| Wheat | Bushel | 32,469,311 | 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 |

THE FLOUR AND FEED MILLING INDUSTRIES IN CANADA, 1947

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 | 543,581 | 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.

THE FLOUR AND FEED MILLING INDUSTRIES IN CANADA, 1947

Table 6. - Employees, Salaries and Wages in all Mills, by Provinces, 1946 and 1947

| | Employees on Salaries | | | Employees on Wages | | | Total Employees Salaries and Wages | | |
|-------------------------------|-----------------------|---------------|-------------------------|--------------------|---------------|----------------------|------------------------------------|---------------|-----------------------------|
| | Male No. | Female No. | Total Salaries \$ | Male No. | Female No. | Total Wages \$ | Male No. | Female No. | Salaries and Wages \$ |
| <u>1946</u> | | | | | | | | | |
| CANADA | 1,684 | 467 | 3,804,180 | 5,604 | 281 | 9,093,980 | 7,288 | 748 | 12,898,160 |
| Prince Edward Island | 5 | - | 2,345 | 2 | - | 1,239 | 7 | - | 3,584 |
| Nova Scotia .. | 2 | - | 630 | 5 | - | 4,400 | 7 | - | 5,030 |
| New Brunswick. | 10 | - | 3,860 | 6 | - | 4,454 | 16 | - | 8,314 |
| Quebec | 285 | 78 | 735,605 | 677 | 19 | 1,129,482 | 962 | 97 | 1,865,087 |
| Ontario | 874 | 217 | 1,790,671 | 3,132 | 118 | 4,938,597 | 4,006 | 335 | 6,729,268 |
| Manitoba | 116 | 35 | 263,765 | 560 | 74 | 957,116 | 676 | 109 | 1,220,881 |
| Saskatchewan . | 155 | 64 | 438,740 | 554 | 30 | 968,659 | 709 | 94 | 1,407,399 |
| Alberta | 233 | 70 | 566,554 | 654 | 40 | 1,085,711 | 887 | 110 | 1,652,265 |
| British Columbia | 4 | 3 | 2,010 | 14 | - | 4,322 | 18 | 3 | 6,332 |
| <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 |

THE FLOUR AND FEED MILLING INDUSTRIES IN CANADA, 1947

Table 7. - Power Equipment in all Mills, 1946 and 1947

| Classes of Power | 1946 | | 1947 | |
|--|-----------------|---|-----------------|---|
| | 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 35 | 3,686 | 27 | 3,265 |
| | Idle 5 | 435 | 7 | 497 |
| Diesel engines | In use 250 | 13,160 | 234 | 13,014 |
| | Idle 18 | 865 | 13 | 760 |
| Gasoline, gas and oil engines other than diesel . | In use 198 | 7,690 | 178 | 7,176 |
| | Idle 22 | 704 | 27 | 966 |
| Hydraulic turbines or Water wheels | In use 395 | 21,887 | 355 | 20,737 |
| | Idle 20 | 893 | 20 | 838 |
| Electric motors operated by purchased power | In use 3,700 | 73,590 | 4,339 | 81,090 |
| | Idle 213 | 6,025 | 278 | 6,476 |
| TOTAL POWER USED IN MANUFACTURING | 4,856 | 128,935 | 5,478 | 134,819 |
| Electric motors operated by power generated by the establishment | In use 53 | 983 | 53 | 983 |
| | Idle - | - | - | - |
| Boilers | In use 30 | 4,423 | 29 | 4,474 |
| | Idle 1 | 110 | 3 | 200 |
| Motor generator sets | In use 11 | 220 | 13 | 266 |
| | Idle - | - | 1 | 30 |

Table 8. - Fuel and Electricity Used in all Mills, 1946 and 1947

| Kinds of Fuel | Unit of Measure | 1946 | | 1947 | |
|--|-----------------|-------------|--------------------|-------------|--------------------|
| | | Quantity | Total Cost at Mill | Quantity | Total Cost at Mill |
| Bituminous coal | Short ton | 41,960 | 312,062 | 39,584 | 320,930 |
| Anthracite coal | " " | 946 | 8,794 | 811 | 10,711 |
| Lignite coal | " " | 11,539 | 48,031 | 14,022 | 61,207 |
| Coke | " " | 78 | 1,111 | 49 | 763 |
| Gasoline | Imp. Gal. | 598,580 | 191,778 | 741,832 | 215,604 |
| Kerosene or coal oil | " " | 6,454 | 1,030 | 1,791 | 436 |
| Fuel and diesel oil. | " " | 825,017 | 108,721 | 885,241 | 150,181 |
| Wood | Cord | 5,261 | 11,105 | 1,635 | 12,208 |
| Gas, manufactured and natural | M cu. ft. | 339,716 | 34,581 | 234,352 | 34,220 |
| Other fuel | - | - | 6,839 | - | 9,904 |
| Electricity purchased | K.W.H. | 165,010,928 | 1,510,418 | 186,760,935 | 1,641,445 |
| Electricity generated for sale | - | - | - | - | - |
| TOTAL COST OF FUEL AND ELECTRICITY | - | - | 2,234,470 | - | 2,457,609 |

THE FLOUR AND FEED MILLING INDUSTRIES IN CANADA, 1947

Table 8. - Imports, Milled Products and Grains by Quantity and Value
1946 and 1947

| Articles Imported | Unit of Measure | 1946 | | 1946 | |
|--|-----------------|------------|-------------------|------------|-------------------|
| | | Quantity | Value | Quantity | Value |
| | | | \$ | | \$ |
| Milled Products - | | | | | |
| Wheat flour | Barrel | 11 | 189 | 19 | 397 |
| Buckwheat meal and flour ... | Cwt. | - | - | 115 | 884 |
| Cornmeal | Barrel | 15,618 | 161,580 | 4,893 | 57,147 |
| Malt flour | Pound | 119,500 | 8,607 | 116,000 | 9,506 |
| Rye flour | Barrel | 36 | 1,238 | 3,157 | 45,401 |
| Oatmeal and rolled oats | Pound | 608 | 77 | - | - |
| Barley, pot and pearl | " | - | - | - | - |
| Hominy, cracked, ground, etc. | Cwt. | - | 94,392 | 79,702 | 397,774 |
| Rice, bran, meal and flour . | Pound | 184,352 | 15,896 | 22,845 | 3,524 |
| Sago and tapioca flour | " | 2,391,705 | 211,282 | 753,434 | 64,947 |
| Bran and mill feed | Cwt. | 69,558 | 251,551 | 220,331 | 586,061 |
| Cereal food in packages | Pound | 524,731 | 99,486 | 1,593,187 | 323,514 |
| Cereal foods, n.o.p. | - | - | 551,487 | - | 522,441 |
| Semolina | Barrel | - | - | - | - |
| TOTAL VALUE OF IMPORTS OF MILLED PRODUCTS | - | - | 1,395,785 | - | 2,011,596 |
| Grains - | | | | | |
| Wheat | Bushel | 1,181 | 2,750 | 108,947 | 344,416 |
| Oats | " | 829 | 1,234 | 27,767 | 46,436 |
| Barley, buckwheat and rye | " | 8,591 | 14,033 | 1,433,710 | 4,342,823 |
| Corn for all purposes | " | 4,625,240 | 8,634,491 | 8,085,768 | 16,107,300 |
| Beans, soya | Pound | 68,139,291 | 3,797,359 | 87,443,636 | 5,002,654 |
| TOTAL VALUE OF GRAINS IMPORTED | - | - | 12,449,867 | - | 25,843,629 |

THE FLOUR AND FEED MILLING INDUSTRIES IN CANADA, 1947

Table 9. - Exports of Milled Products and Grains by Quantity and Value, 1946 and 1947.

| Articles Exported | Unit of Measure | 1946 | | 1947 | |
|--|-----------------|-------------|--------------------|-------------|--------------------|
| | | Quantity | Value | Quantity | Value |
| | | | \$ | | \$ |
| Milled Products - | | | | | |
| Rye flour | Barrel | 5,744 | 63,072 | 5 | 28 |
| Wheat flour..... | " | 14,984,287 | 126,733,077 | 18,081,882 | 196,578,113 |
| Oatmeal and rolled oats. | Cwt. | 1,386,010 | 6,272,558 | 1,025,276 | 5,830,668 |
| Bran, shorts and middlings | " | 581,493 | 1,376,432 | 716,638 | 1,891,790 |
| Malt | Bushel | 565,104 | 1,051,073 | 736,865 | 1,371,653 |
| Screenings | Cwt. | 4,086,937 | 6,340,089 | 3,513,272 | 3,870,912 |
| Cornmeal | Barrel | 51,282 | 396,743 | 84,447 | 682,254 |
| All other meals, n.o.p.o. | Cwt. | 94,095 | 452,223 | 57,743 | 386,782 |
| Cereal foods, prepared, all kinds | - | - | 919,267 | - | 1,056,883 |
| TOTAL VALUE OF MILLED PRODUCTS EXPORTED | - | - | 143,604,534 | - | 211,669,083 |
| Grains - | | | | | |
| Wheat | Bushel | 157,529,350 | 250,305,507 | 160,426,359 | 265,200,441 |
| Oats | " | 30,243,197 | 23,108,066 | 12,834,904 | 12,388,641 |
| Barley | " | 6,298,597 | 9,687,855 | 569,002 | 1,211,041 |
| Corn | " | 158,761 | 682,970 | 193,837 | 651,048 |
| Rye | " | 3,690,270 | 8,903,752 | 9,801,001 | 31,937,965 |
| Buckwheat | " | 1,276 | 2,090 | - | - |
| TOTAL VALUE OF GRAINS EXPORTED | - | - | 292,690,240 | - | 311,389,136 |

THE FLOUR MILLING INDUSTRY IN CANADA, 1947

SECTION 2. - THE FLOUR MILLING INDUSTRY, 1947

Table 1. - Principal Statistics of the Flour Mills in Canada for the Years 1933 to 1947.

| Year | Estab-lish-ments | Capital Invested | Em-ployees | Salaries and Wages | Cost of Materials Used | Gross Value of Production |
|-----------------------|------------------|------------------|------------|--------------------|------------------------|---------------------------|
| | No. | \$ | No. | \$ | \$ | \$ |
| 1933 | 413 | 51,989,432 | 4,153 | 4,422,639 | 51,719,587 | 68,746,624 |
| 1934 | 435 | 52,491,680 | 4,263 | 4,443,991 | 61,392,000 | 80,170,600 |
| 1935 | 384 | 50,278,121 | 4,244 | 4,479,679 | 65,378,617 | 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 |
| <u>1946</u> | | | | | | |
| CANADA | 184 | - | 6,012 | 10,884,848 | 185,219,470 | 214,828,021 |
| Quebec | 24 | - | 697 | 1,482,489 | 17,147,968 | 21,292,771 |
| Ontario | 80 | - | 2,906 | 5,342,275 | 94,421,751 | 107,255,253 |
| Manitoba | 20 | - | 696 | 1,093,441 | 20,596,682 | 24,278,323 |
| Saskatchewan | 29 | - | 785 | 1,390,392 | 26,506,105 | 29,965,752 |
| Alberta | 29 | - | 925 | 1,574,891 | 26,522,411 | 32,007,875 |
| Other provinces | 3 | - | 3 | 1,360 | 24,553 | 28,047 |
| <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 |

THE FLOUR MILLING INDUSTRY IN CANADA, 1947

Table 2. - Production in Flour Mills by Classes and the Provinces, 1947.

| Products | 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. | 5,985,671 | 43,750,115 | 7,793 | 53,049 | 43,803,164 |
| Spring No. 2 Patent | " | 5,462,154 | 34,500,901 | 1,992 | 17,485 | 34,518,386 |
| Spring No. 3 Patent (Strong Bakers or Export Patent) | " | 14,451,357 | 117,458,907 | 1,690 | 12,489 | 117,471,396 |
| Ontario Winter wheat flour | " | 756,955 | 4,794,912 | 413 | 2,747 | 4,797,659 |
| Durum Semolina and flour .. | " | 182,809 | 731,688 | - | - | 731,688 |
| Lower grades of flour | " | 856,689 | 4,054,425 | 9 | 28 | 4,054,453 |
| All other | " | 645,688 | 4,252,867 | 8 | 28 | 4,252,895 |
| Flour and meal, other - | | | | | | |
| Whole wheat and Graham flour | Lb. | 263,707 | 1,515,084 | - | - | 1,515,084 |
| Prepared or self raising flour | " | 2,190,976 | 217,784 | - | - | 217,784 |
| Barley meal | " | 742,000 | 16,398 | - | - | 16,398 |
| Rye flour | " | 3,679,596 | 198,590 | - | - | 198,590 |
| Rye meal | " | 1,426,058 | 56,899 | - | - | 56,899 |
| Corn flour | " | 2,728,376 | 124,040 | - | - | 124,040 |
| Corn meal | " | 10,633,808 | 470,391 | - | - | 470,391 |
| Buckwheat flour | " | 384,740 | 21,739 | - | - | 21,739 |
| Breakfast foods - | | | | | | |
| Prepared breakfast foods | Lb. | 240,392 | 22,160 | - | - | 22,160 |
| Oatmeal | Ton | 15,420 | 1,884,682 | - | - | 1,884,682 |
| Rolled oats | " | 76,580 | 8,913,478 | - | - | 8,913,478 |
| Rolled or flaked wheat ... | Lb. | 767,093 | 27,905 | - | - | 27,905 |
| Unprepared breakfast foods | " | 11,397,584 | 769,230 | 3,402 | 170 | 769,400 |
| Other products - | | | | | | |
| Barley, pot and pearl | Lb. | 5,127,030 | 223,182 | - | - | 223,182 |
| Corn, cracked | " | - | - | - | - | - |
| Stock and poultry feeds .. | Ton | 44,386 | 2,420,027 | 220 | 15,400 | 2,435,427 |
| Shorts and middlings | " | 541,068 | 15,323,990 | 244 | 8,517 | 15,332,507 |
| Bran | " | 429,238 | 11,644,669 | 243 | 8,136 | 11,652,805 |
| Chopped grain feed | " | 153,935 | 6,679,948 | 70,540 | 3,393,835 | 10,073,783 |
| Alfalfa meal | " | 2,394 | 73,987 | - | - | 73,987 |
| Offal, not otherwise specified | " | 108,382 | 2,697,186 | - | - | 2,697,186 |
| All other products | - | - | 146,143 | - | - | 146,143 |
| TOTAL | - | - | 262,991,327 | - | 3,511,884 | 266,503,211 |

THE FLOUR MILLING INDUSTRY IN CANADA, 1947

Table 2. - Production in Flour Mills by Classes and the Provinces, 1947 - 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. | 1,170,630 | 7,997,964 | 4,772 | 30,822 | 8,028,786 |
| Spring No.2 Patent | " | 490,258 | 2,249,049 | - | - | 2,249,049 |
| Spring No.3 Patent (Strong Bakers or Export Patent) | " | 833,577 | 7,799,970 | - | - | 7,799,970 |
| Ontario Winter wheat flour | " | 342 | 1,983 | - | - | 1,983 |
| Lower grades of flour | " | 155,103 | 719,122 | - | - | 719,122 |
| All other | " | 29,645 | 176,091 | - | - | 176,091 |
| Flour and meal, other - | | | | | | |
| Whole wheat and graham flour | Lb. | 55,664 | 1,192 | - | - | 1,192 |
| Buckwheat flour | " | - | - | - | - | - |
| Corn, meal | " | - | - | - | - | - |
| Other products - | | | | | | |
| Stock and poultry feeds .. | Ton | 87 | 5,220 | - | - | 5,220 |
| Shorts and middlings | " | 43,977 | 1,272,369 | 81 | 2,781 | 1,275,150 |
| Bran | " | 41,794 | 1,154,856 | 78 | 2,455 | 1,157,311 |
| Chopped grain feed | " | 7,548 | 367,590 | 4,171 | 195,310 | 562,900 |
| Alfalfa meal | " | 15 | 450 | - | - | 450 |
| Offal, not otherwise specified | " | 3,376 | 85,772 | - | - | 85,772 |
| TOTAL | - | - | 21,831,628 | - | 231,368 | 22,062,996 |
| <u>ONTARIO</u> | | | | | | |
| Wheat flour - | | | | | | |
| Spring No.1 or Top Patent including Semolina | Bbl. | 2,016,684 | 15,805,788 | - | - | 15,805,788 |
| Spring No.2 Patent | " | 2,648,105 | 18,674,940 | - | - | 18,674,940 |
| Spring No.3 Patent (Strong Bakers or Export Patent) | " | 7,814,922 | 60,756,493 | - | - | 60,756,493 |
| Ontario Winter Wheat flour | " | 756,613 | 4,792,929 | 413 | 2,747 | 4,795,676 |
| Durum Semolina and flour .. | " | 181,318 | 726,488 | - | - | 726,488 |
| Lower grades of flour | " | 412,720 | 1,913,496 | - | - | 1,913,496 |
| All other | " | 176,550 | 1,238,636 | - | - | 1,238,636 |
| Flour and meal, other - | | | | | | |
| Whole wheat and graham flour | Lb. | 167,723 | 984,113 | - | - | 984,113 |
| Prepared or self-raising flour | " | 2,187,900 | 217,526 | - | - | 217,526 |
| Barley meal | " | 742,000 | 16,398 | - | - | 16,398 |
| Rye flour | " | 3,460,712 | 191,140 | - | - | 191,140 |
| Rye meal | " | 1,078,980 | 47,824 | - | - | 47,824 |

THE FLOUR MILLING INDUSTRY IN CANADA, 1947

Table 2. - Production in Flour Mills by Classes and the Provinces, 1947, Cont'd.

| Products | Unit of Measure | Merchant Grinding | | Custom or Exchange Grinding | | Total Selling Value at Mill |
|---|-----------------|-------------------|--------------------|-----------------------------|------------------|-----------------------------|
| | | Quantity | Value | Quantity | Value | |
| ONTARIO - Conc. | | | | | | |
| Flour and meal, other -(Conc.) | | | \$ | | \$ | \$ |
| Corn flour | Lb. | 2,728,376 | 124,040 | - | - | 124,040 |
| Corn meal | " | 10,633,808 | 470,391 | - | - | 470,391 |
| Buckwheat flour | " | 384,740 | 21,739 | - | - | 21,739 |
| Breakfast foods - | | | | | | |
| Oatmeal | Ton | 6,107 | 838,974 | - | - | 838,974 |
| Rolled oats | " | 17,247 | 2,607,513 | - | - | 2,607,513 |
| Rolled or flaked wheat .. | Lb. | 381,766 | 14,563 | - | - | 14,563 |
| Unprepared breakfast foods | " | 5,096,155 | 322,995 | - | - | 322,995 |
| Other products - | | | | | | |
| Barley, pot and pearl ... | Lb. | 1,196,972 | 77,041 | - | - | 77,041 |
| Corn, cracked | " | - | - | - | - | - |
| Stock and poultry feeds .. | Ton | 31,352 | 1,786,733 | 220 | 15,400 | 1,802,133 |
| Shorts and middlings | " | 266,754 | 8,310,964 | 9 | 400 | 8,311,364 |
| Bran | " | 202,759 | 5,834,353 | 10 | 400 | 5,834,753 |
| Chopped grain feed | " | 56,356 | 2,659,902 | 52,747 | 2,633,007 | 5,292,909 |
| Alfalfa meal | " | 2,379 | 73,537 | - | - | 73,537 |
| Offal, not otherwise specified | " | 21,448 | 682,425 | - | - | 682,425 |
| All other products | - | - | 35,095 | - | - | 35,095 |
| TOTAL | - | - | 129,226,036 | - | 2,651,954 | 131,877,990 |
| MANITOBA | | | | | | |
| Wheat flour - | | | | | | |
| Spring No.1 or Patent including Semolina | Bbl. | 595,859 | 3,734,057 | 1,073 | 8,375 | 3,742,432 |
| Spring No.2 Patent | " | 1,028,099 | 5,338,191 | 25 | 115 | 5,338,306 |
| Spring No.3 Patent (Strong Bakers or Export Patent) | " | 1,271,936 | 11,807,082 | 1,000 | 6,300 | 11,813,382 |
| Durum Semolina and flour. | " | 1,491 | 5,200 | - | - | 5,200 |
| Lower Grades of flour ... | " | 83,840 | 311,709 | 9 | 28 | 311,737 |
| All other | " | 17,245 | 94,638 | - | - | 94,638 |
| Flour and meal, other - | | | | | | |
| Whole wheat and Graham flour | Lb. | 25,163 | 98,755 | - | - | 98,755 |
| Rye flour | " | 173,244 | 6,231 | - | - | 6,231 |
| Rye meal | " | 347,078 | 9,075 | - | - | 9,075 |
| Breakfast foods - | | | | | | |
| Oatmeal | Ton | 981 | 80,726 | - | - | 80,726 |
| Rolled oats | " | 18,975 | 1,560,018 | - | - | 1,560,018 |
| Rolled or flaked wheat .. | Lb. | 193,800 | 5,233 | - | - | 5,233 |
| Unprepared breakfast foods | " | 2,119,862 | 160,037 | 3,402 | 170 | 160,207 |

THE FLOUR MILLING INDUSTRY IN CANADA, 1947

Table 2. - Production in Flour Mills by Classes and the Provinces, 1947 - Cont'd.

| Products | Unit of Measure | Merchant Grinding | | Custom or Exchange Grinding | | Total Selling Value at Mill |
|--------------------------------------|-----------------|-------------------|------------|-----------------------------|--------|-----------------------------|
| | | Quantity | Value | Quantity | Value | |
| | | | \$ | | \$ | \$ |
| <u>MANITOBA - Conc.</u> | | | | | | |
| Other products - | | | | | | |
| Barley, pot and pearl ... | Lb. | 2,127,972 | 83,639 | - | - | 83,639 |
| Stock and poultry feeds . | Ton | 2,853 | 126,562 | - | - | 126,562 |
| Shorts and middlings | " | 60,796 | 1,568,701 | 58 | 2,218 | 1,570,919 |
| Bran | " | 44,483 | 1,116,573 | 54 | 1,981 | 1,118,554 |
| Chopped grain feed | " | 40,229 | 1,585,306 | 1,328 | 49,696 | 1,635,002 |
| Offal, not otherwise specified | " | 16,489 | 346,104 | - | - | 346,104 |
| All other products | - | - | - | - | - | - |
| TOTAL | - | - | 28,037,837 | - | 68,883 | 28,106,720 |

SASKATCHEWAN

| | | | | | | |
|---|------|-----------|------------|-------|--------|------------|
| Wheat flour - | | | | | | |
| Spring No.1 or Top Patent including Semolina | Bbl. | 1,317,220 | 9,713,623 | 1,868 | 13,264 | 9,726,887 |
| Spring No.2 Patent | " | 129,256 | 1,190,688 | - | - | 1,190,688 |
| Spring No.3 Patent (Strong Bakers or Export Patent) | " | 2,232,005 | 16,317,488 | 408 | 3,651 | 16,321,139 |
| Lower grades of flour ... | " | 17,599 | 69,678 | - | - | 69,678 |
| All other | " | 249,866 | 1,629,978 | - | - | 1,629,978 |
| Flour and meal, other - | | | | | | |
| Whole wheat and Graham flour | Lb. | 34,420 | 220,622 | - | - | 220,622 |
| Prepared or self-raising flour | " | 2,456 | 196 | - | - | 196 |
| Rye flour | " | - | - | - | - | - |
| Breakfast foods - | | | | | | |
| Prepared breakfast foods. | Lb. | 240,392 | 22,160 | - | - | 22,160 |
| Oatmeal | Ton | 7,553 | 902,147 | - | - | 902,147 |
| Rolled oats | " | 33,524 | 4,190,043 | - | - | 4,190,043 |
| Rolled or flaked wheat .. | Lb. | 191,527 | 8,109 | - | - | 8,109 |
| Unprepared breakfast foods | " | 65,827 | 1,807 | - | - | 1,807 |
| Other products - | | | | | | |
| Barley, pot and pearl ... | Lb. | 1,658,552 | 55,647 | - | - | 55,647 |
| Stock and poultry feeds . | Ton | 956 | 57,852 | - | - | 57,852 |
| Shorts and middlings | " | 81,429 | 2,026,223 | 54 | 1,890 | 2,028,113 |
| Bran | " | 60,124 | 1,418,971 | 70 | 2,409 | 1,421,380 |

THE FLOUR MILLING INDUSTRY IN CANADA, 1947

Table 2. - Production in Flour Mills by Classes and the Provinces, 1947 - Conc.

| Products | Unit of Measure | Merchant Grinding | | Custom or Exchange Grinding | | Total Selling Value at Mill |
|---|-----------------|-------------------|-------------------|-----------------------------|----------------|-----------------------------|
| | | Quantity | Value | Quantity | Value | |
| <u>SASKATCHEWAN - Conc.</u> | | | | | | |
| Other products - conc. | | | \$ | | \$ | \$ |
| Chopped grain feed | Ton | 19,214 | 791,590 | 2,107 | 84,984 | 876,574 |
| Offal, not otherwise specified | " | 57,685 | 1,427,018 | - | - | 1,427,018 |
| All other products | - | - | 22,422 | - | - | 22,422 |
| TOTAL | - | - | 40,066,262 | - | 106,198 | 40,172,460 |
| <u>ALBERTA</u> | | | | | | |
| Wheat flour - | | | | | | |
| Spring No.1 or Top Patent including semolina | Bbl. | 885,278 | 6,498,683 | 80 | 588 | 6,499,271 |
| Spring No.2 Patent | " | 1,166,436 | 7,048,033 | 1,967 | 17,370 | 7,065,403 |
| Spring No.3 Patent (Strong Bakers or Export Patent) | " | 2,298,917 | 20,777,874 | 282 | 2,538 | 20,780,412 |
| Lower grades of flour ... | " | 187,427 | 1,040,420 | - | - | 1,040,420 |
| All other | " | 172,382 | 1,113,524 | 8 | 28 | 1,113,552 |
| Flour and meal, other - | | | | | | |
| Whole wheat and Graham flour | Lb. | 36,117 | 210,402 | - | - | 210,402 |
| Prepared or self-raising flour | " | 620 | 62 | - | - | 62 |
| Rye flour | " | 45,640 | 1,219 | - | - | 1,219 |
| Breakfast foods - | | | | | | |
| Oatmeal | Ton | 779 | 62,835 | - | - | 62,835 |
| Rolled oats | " | 6,834 | 555,904 | - | - | 555,904 |
| Unprepared breakfast foods | Lb. | 4,115,740 | 284,391 | - | - | 284,391 |
| Other products - | | | | | | |
| Barley, pot and pearl ... | Lb. | 143,534 | 6,855 | - | - | 6,855 |
| Stock and poultry feeds ... | Ton | 9,138 | 443,660 | - | - | 443,660 |
| Shorts and middlings | " | 88,112 | 2,145,733 | 42 | 1,228 | 2,146,961 |
| Bran | " | 80,078 | 2,119,916 | 31 | 891 | 2,120,807 |
| Chopped grain feed | " | 30,588 | 1,275,560 | 10,187 | 430,838 | 1,706,398 |
| Offal, not otherwise specified | " | 9,384 | 155,867 | - | - | 155,867 |
| All other products | - | - | 88,626 | - | - | 88,626 |
| TOTAL | - | - | 43,829,564 | - | 453,481 | 44,283,045 |

THE FLOUR MILLING INDUSTRY IN CANADA, 1947

Table 3. - Materials Used in Flour Mills, by Provinces, 1947.

| Materials | Unit of Measure | CANADA | |
|---|-----------------|-------------|--------------------|
| | | Quantity | Value |
| | | | \$ |
| Wheat | Bushel | 129,360,002 | 192,659,451 |
| Oats | " | 15,708,007 | 11,072,193 |
| Barley | " | 3,546,487 | 3,082,270 |
| Rye | " | 133,349 | 284,642 |
| Corn | " | 746,736 | 1,092,372 |
| Buckwheat | " | 21,246 | 28,710 |
| Peas | " | 5,884 | 17,306 |
| Mixed grain for chopping .. | " | 3,361,119 | 2,994,878 |
| Other grains | " | 44,701 | 39,183 |
| Alfalfa | Ton | 2,446 | 70,125 |
| All other materials | - | - | 1,188,706 |
| Cost of containers purchased | - | - | 17,937,510 |
| Cost of materials used in making containers | - | - | 400 |
| TOTAL | - | - | 230,467,746 |

| Materials | Unit of Measure | QUEBEC | | ONTARIO | |
|---|-----------------|------------|-------------------|------------|--------------------|
| | | Quantity | Value | Quantity | Value |
| | | | \$ | | \$ |
| Wheat | Bushel | 11,806,180 | 17,317,587 | 63,628,280 | 97,910,146 |
| Oats | " | 378,550 | 238,750 | 4,539,541 | 3,945,334 |
| Barley | " | 328,524 | 299,555 | 1,085,908 | 1,073,608 |
| Rye | " | 25 | 32 | 119,099 | 245,055 |
| Corn | " | 817 | 825 | 741,013 | 1,084,422 |
| Buckwheat | " | 3,160 | 3,624 | 18,086 | 25,086 |
| Peas | " | - | - | 5,767 | 17,301 |
| Mixed grain for chopping .. | " | 47,320 | 42,240 | 2,522,143 | 2,301,773 |
| Other grains | " | - | - | 11,920 | 9,606 |
| Alfalfa | Ton | 15 | 375 | 2,381 | 67,250 |
| All other materials | - | - | 53,861 | - | 812,261 |
| Cost of containers purchased | - | - | 1,524,254 | - | 8,278,193 |
| Cost of materials used in making containers | - | - | - | - | - |
| TOTAL | - | - | 19,481,103 | - | 115,770,035 |

THE FLOUR MILLING INDUSTRY IN CANADA, 1947

Table 3. - Materials Used in Flour Mills, by Provinces, 1947 - Concluded

| | Unit of Measure | Manitoba | | Saskatchewan | |
|--|-----------------|------------|------------|--------------|------------|
| | | Quantity | Value | Quantity | Value |
| | | | \$ | | \$ |
| Wheat | Bushel | 13,713,024 | 19,554,645 | 18,837,828 | 25,756,068 |
| Oats | " | 2,923,495 | 1,755,559 | 6,181,487 | 4,188,845 |
| Barley | " | 1,125,063 | 946,556 | 479,445 | 362,555 |
| Rye | " | 9,547 | 25,021 | - | - |
| Corn | " | 3,461 | 4,669 | - | - |
| Buckwheat | " | - | - | - | - |
| Peas | " | - | - | - | - |
| Mixed grains for chopping . | " | 74,623 | 101,747 | 94,803 | 66,624 |
| Other grains | " | 31,078 | 26,619 | 932 | 460 |
| Alfalfa | Ton | - | - | 50 | 2,500 |
| All other materials | - | - | 40,784 | - | 36,617 |
| Cost of containers purchased | - | - | 1,786,846 | - | 3,560,884 |
| Cost of materials used in making containers | - | - | - | - | - |
| TOTAL | - | - | 24,242,446 | - | 33,974,553 |

| | Unit of Measure | Alberta | |
|--|-----------------|------------|------------|
| | | Quantity | Value |
| | | | \$ |
| Wheat | Bushel | 21,374,690 | 32,121,005 |
| Oats | " | 1,684,934 | 943,705 |
| Barley | " | 527,547 | 399,996 |
| Rye | " | 4,678 | 14,534 |
| Corn | " | 1,445 | 2,456 |
| Buckwheat | " | - | - |
| Peas | " | 117 | 5 |
| Mixed grain for chopping . | " | 622,230 | 482,494 |
| Other grains | " | 771 | 2,498 |
| Alfalfa | Ton | - | - |
| All other materials | - | - | 245,183 |
| Cost of containers purchased | - | - | 2,787,333 |
| Cost of materials used in making containers | - | - | 400 |
| TOTALS | - | - | 36,999,609 |

THE FLOUR MILLING INDUSTRY IN CANADA, 1947

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.

THE FLOUR MILLING INDUSTRY IN CANADA, 1947

Table 5. - Size of Establishments, 1946 and 1947

| Establishments having a production of - | Estab-lish-ments | Capital Invested | Em-ployees | Salaries and Wages | Cost of Materials Used | Total Production |
|---|------------------|------------------|------------|--------------------|------------------------|------------------|
| | No. | \$ | No. | \$ | \$ | \$ |
| <u>1946</u> | | | | | | |
| Under \$50,000 | 44 | - | 159 | 247,864 | 827,575 | 974,950 |
| \$ 50,000 to \$ 99,999 | 19 | - | 77 | 98,191 | 1,151,150 | 1,433,821 |
| \$ 100,000 to \$ 199,999 | 37 | - | 223 | 303,971 | 4,377,498 | 5,394,036 |
| \$ 200,000 to \$ 499,999 | 32 | - | 350 | 578,491 | 8,820,443 | 10,334,320 |
| \$ 500,000 to \$ 999,999 | 18 | - | 411 | 675,022 | 10,748,940 | 12,888,202 |
| \$1,000,000 to \$4,999,999 | 20 | - | 1,306 | 2,332,575 | 34,725,224 | 41,175,590 |
| \$5,000,000 and over | 14 | - | 3,486 | 6,648,734 | 124,568,640 | 142,627,102 |
| TOTAL | 184 | - | 6,012 | 10,884,848 | 185,219,470 | 214,828,021 |
| <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 |

THE FLOUR MILLING INDUSTRY IN CANADA, 1947

Table 6a - Daily Capacity of Flour Mills, 1946 and 1947

| 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>1946/1</u> | | | | | | | |
| Under 100 barrels | 67 | 3,168 | 47 | 3.1 | 280,672 | 4,189 | 1.0 |
| 100 to 199 barrels ... | 55 | 6,643 | 121 | 6.4 | 1,168,623 | 21,248 | 4.3 |
| 200 to 299 barrels ... | 18 | 4,095 | 228 | 4.0 | 989,528 | 54,974 | 3.6 |
| 300 to 499 barrels ... | 14 | 5,105 | 365 | 4.9 | 1,321,415 | 94,386 | 4.9 |
| 500 to 999 barrels ... | 6 | 3,800 | 633 | 3.7 | 1,092,822 | 182,137 | 4.0 |
| 1,000 to 2,999 barrels .. | 14 | 23,603 | 1,686 | 22.8 | 7,141,649 | 510,118 | 26.3 |
| 3,000 to 4,999 barrels .. | 5 | 16,550 | 3,310 | 16.0 | 4,689,302 | 937,860 | 17.3 |
| 5,000 barrels and over .. | 5 | 40,500 | 8,100 | 39.1 | 10,467,921 | 2,093,584 | 38.6 |
| TOTAL AND AVERAGE | 184 | 103,464 | 562 | 100.0 | 27,151,932 | 147,565 | 100.0 |
| <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 |

/1 Includes Whole wheat and Graham flour.

THE FLOUR MILLING INDUSTRY IN CANADA, 1947.

Table 6b. - Equipment and Capacity of Flour Mills, 1947

| Province | Estab- lish- ments | Pairs of Rolls | Pairs of Stones | Estimated Maximum Capacity per day |
|--------------------|--------------------------|----------------------|-----------------------|---|
| | No. | No. | No. | Bbl. |
| Quebec | 19 | 334 | 20 | 10,570 |
| Ontario | 76 | 1,583 | 26 | 56,061 |
| Manitoba | 21 | 459 | 8 | 11,125 |
| Saskatchewan | 28 | 508 | 2 | 13,615 |
| Alberta | 30 | 625 | - | 15,450 |
| CANADA | 174 | 3,509 | 56 | 106,821 |

THE FLOUR MILLING INDUSTRY IN CANADA, 1947

Table 7. - Employees, Salaries and Wages in Flour Mills, 1946 and 1947.

| Year and 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>1946</u> | | | | | | | | | |
| CANADA | 928 | 390 | 3,010,516 | 4,438 | 261 | 7,874,332 | 5,361 | 651 | 10,884,848 |
| Quebec | 146 | 63 | 588,603 | 477 | 11 | 893,886 | 623 | 74 | 1,482,489 |
| Ontario | 344 | 162 | 1,229,317 | 2,294 | 106 | 4,112,958 | 2,638 | 268 | 5,342,275 |
| Manitoba | 94 | 33 | 229,910 | 495 | 74 | 863,531 | 589 | 107 | 1,093,441 |
| Saskatchewan ... | 148 | 64 | 433,436 | 543 | 30 | 956,956 | 691 | 94 | 1,390,392 |
| Alberta | 194 | 68 | 528,350 | 623 | 40 | 1,046,541 | 817 | 108 | 1,574,891 |
| <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 |

THE FLOUR MILLING INDUSTRY IN CANADA, 1947

Table 8. - Monthly Employment of Wage-Earners, 1946 and 1947

| Months | In Flour Mills | | | |
|--------------------------------|----------------|---------------|-------------|---------------|
| | 1946 | | 1947 | |
| | Male No. | Female No. | Male No. | Female No. |
| January | 4,076 | 259 | 4,634 | 251 |
| February | 4,152 | 259 | 4,649 | 251 |
| March | 4,294 | 243 | 4,663 | 207 |
| April | 4,290 | 230 | 4,722 | 196 |
| May | 4,382 | 223 | 4,745 | 176 |
| June | 4,413 | 214 | 4,769 | 171 |
| July | 4,496 | 239 | 4,797 | 199 |
| August | 4,517 | 262 | 4,830 | 234 |
| September | 4,565 | 288 | 4,810 | 268 |
| October | 4,593 | 322 | 4,843 | 299 |
| November | 4,680 | 307 | 4,668 | 293 |
| December | 4,637 | 289 | 4,434 | 226 |
| Average monthly employment ... | 4,433 | 261 | 4,715 | 232 |

Table 9. - Number of Wage-earners in Month of Highest Employment with their Regular Hours of Work and Average Weekly earnings, 1944 and 1945

| Number of Hours Worked per Week /1 | Number of Employees | | | | Number of Hours Worked per week | Number of Employees | | | |
|--|---------------------|--------|-------|--------|------------------------------------|---------------------|---------|---------|---------|
| | 1944 | | 1945 | | | 1944 | | 1945 | |
| | Male | Female | Male | Female | | Male | Female | Male | Female |
| 30 hours or less | 210 | 28 | 223 | 27 | 51-54 hours ... | 504 | 13 | 483 | 10 |
| 31-43 hours .. | 251 | 121 | 193 | 110 | 55 hours | 64 | 10 | 117 | 6 |
| 44 hours | 172 | 44 | 56 | 21 | 56-64 hours ... | 807 | 12 | 636 | 17 |
| 45-47 hours .. | 112 | 15 | 122 | 27 | 65 hours and over | 391 | - | 332 | 1 |
| 48 hours | 1,415 | 154 | 2,060 | 131 | Average hours per week | 51.1 | 43.4 | 50.4 | 43.5 |
| 49-50 hours .. | 232 | 13 | 166 | 11 | Average weekly earnings | \$30.77 | \$15.07 | \$30.39 | \$15.18 |

The above table does not include overtime.

/1 Not collected in 1946 and 1947.

THE FLOUR MILLING INDUSTRY IN CANADA, 1947

Table 10. - Power Equipment in Flour Mills, 1946 and 1947

| Classes of Power | 1946 | | 1947 | |
|--|--------------------------|---|-----------------|---|
| | 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 23 Idle 3 | 3,167 285 | 19 4 | 2,920 367 |
| Diesel engines | In use 32 Idle 5 | 2,088 319 | 30 6 | 1,974 465 |
| Gasoline, gas and oil engines, other than diesel | In use 21 Idle 4 | 654 110 | 16 6 | 624 212 |
| Hydraulic turbines or Water wheels | In use 94 Idle 7 | 9,983 233 | 83 5 | 9,754 175 |
| Electric motors operated by purchased power | In use 2,698 Idle 175 | 58,224 5,386 | 3,091 229 | 62,550 5,597 |
| TOTAL POWER USED IN MANUFACTURING | 3,062 | 80,449 | 3,489 | 84,648 |
| Electric motors operated by power generated by the establishment | In use 47 Idle - | 960 - | 47 - | 960 - |
| Boilers | In use 23 Idle 1 | 4,123 110 | 23 2 | 4,112 150 |
| Motor generator sets ... | In use 6 Idle - | 207 - | 8 - | 213 - |

Table 11. - Consumption of Fuel and Electricity, 1946 and 1947

| Kinds of Fuel | Unit of Measure | 1946 | | 1947 | |
|--|-----------------|-------------|------------|-------------|------------|
| | | Quantity | Cost Value | Quantity | Cost Value |
| Bituminous coal | Short ton | 39,867 | \$ 293,038 | 37,246 | \$ 295,265 |
| Anthracite coal | " " | 677 | 5,419 | 509 | 5,711 |
| Lignite coal | " " | 11,444 | 47,331 | 13,845 | 60,249 |
| Coke | " " | 40 | 538 | 6 | 100 |
| Gasoline | Imp. Gal. | 236,699 | 78,721 | 259,916 | 89,863 |
| Kerosene or coal oil ... | " " | 1,560 | 255 | 620 | 177 |
| Fuel and diesel oil | " " | 213,979 | 34,433 | 291,921 | 57,852 |
| Wood | Cord | 874 | 5,993 | 997 | 7,936 |
| Gas, manufactured and natural | M cu.ft. | 219,271 | 23,306 | 219,159 | 25,680 |
| Other fuel | - | - | 6,690 | - | 9,829 |
| Electricity purchased | K.W.H. | 153,158,991 | 1,244,546 | 173,243,521 | 1,337,354 |
| Electricity generated for sale | - | - | - | - | 9,544 |
| TOTAL COST OF FUEL AND ELECTRICITY | - | - | 1,740,270 | - | 1,899,560 |

THE FEED AND CHOPPING MILL INDUSTRY IN CANADA, 1947

SECTION 3. - FEED AND CHOPPING MILLS IN CANADA, 1947

Table 1. - Principal Statistics of the Feed and Chopping Mill Industries in Canada, for the Years, 1934-1947

| Year | Estab- | Capital | Em- | Salaries | Cost of | Gross |
|----------------------|------------|-----------|-------|-----------|------------|------------|
| | lish-ments | | | | | |
| | No. | \$ | No. | \$ | \$ | \$ |
| 1934 | 875 | 6,801,746 | 1,370 | 691,321 | 12,656,243 | 15,575,583 |
| 1935 | 743 | 6,197,194 | 1,210 | 685,828 | 12,693,050 | 15,611,931 |
| 1936 | 755 | 6,592,197 | 1,269 | 757,035 | 16,641,994 | 20,296,505 |
| 1937 | 751 | 6,662,288 | 1,334 | 808,441 | 17,541,591 | 20,889,600 |
| 1938 | 752 | 6,715,273 | 1,324 | 828,985 | 15,351,554 | 18,711,858 |
| 1939 | 747 | 6,758,343 | 1,358 | 894,126 | 16,270,466 | 20,031,379 |
| 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 |
| <u>1946</u> | | | | | | |
| CANADA | 790 | - | 2,024 | 2,013,312 | 39,014,228 | 45,831,430 |
| Prince Edward Island | 5 | - | 6 | 3,184 | 63,761 | 83,443 |
| Nova Scotia | 5 | - | 7 | 5,030 | 75,925 | 90,107 |
| New Brunswick | 10 | - | 14 | 7,354 | 87,603 | 102,257 |
| Quebec | 140 | - | 362 | 382,598 | 5,042,699 | 6,057,973 |
| Ontario | 559 | - | 1,435 | 1,386,993 | 29,403,821 | 34,523,691 |
| Manitoba | 17 | - | 89 | 127,440 | 2,515,238 | 2,794,789 |
| Saskatchewan | 8 | - | 18 | 17,007 | 270,134 | 316,882 |
| Alberta | 42 | - | 72 | 77,374 | 1,507,034 | 1,804,413 |
| British Columbia . | 4 | - | 21 | 6,332 | 48,013 | 57,875 |
| <u>1947</u> | | | | | | |
| 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 |

THE FEED AND CHOPPING MILL INDUSTRY IN CANADA, 1947

Table 2. - Production in Feed and Chopping Mills by Classes, Quantity and Value for Canada and the Provinces, 1946 and 1947

| Provinces | Chopped Grain Feed | | Other Products | Total |
|----------------------------|--------------------|------------|----------------|------------|
| | Quantity | Value | Value | Value |
| <u>1946</u> | Ton | \$ | \$ | \$ |
| CANADA | 1,000,192 | 38,792,538 | 7,038,892 | 45,831,430 |
| Prince Edward Island | 1,972 | 71,275 | 12,168 | 83,443 |
| Nova Scotia | 2,136 | 84,994 | 5,113 | 90,107 |
| New Brunswick | 1,601 | 67,625 | 34,632 | 102,257 |
| Quebec | 110,357 | 4,684,639 | 1,373,334 | 6,057,973 |
| Ontario | 759,746 | 29,613,194 | 4,910,497 | 34,523,691 |
| Manitoba | 66,589 | 2,287,592 | 507,196 | 2,794,789 |
| Saskatchewan | 7,008 | 234,552 | 82,330 | 316,882 |
| Alberta | 49,467 | 1,698,687 | 105,726 | 1,804,413 |
| British Columbia | 1,316 | 49,979 | 7,896 | 57,875 |
| <u>1947</u> | | | | |
| 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 |

Table 3. - Materials Used in Feed and Chopping Mills, 1946 and 1947

| Materials | Unit of Measure | 1946 | | 1947 | |
|--|-----------------|------------|------------|------------|------------|
| | | Quantity | Value | Quantity | Value |
| | | | \$ | | \$ |
| Wheat | Bushel | 3,109,184 | 3,245,369 | 3,109,309 | 4,073,991 |
| Oats | " | 11,432,858 | 6,479,388 | 12,302,530 | 9,159,760 |
| Barley | " | 8,572,908 | 6,241,260 | 9,179,706 | 8,641,605 |
| Rye | " | 14,333 | 12,034 | 9,967 | 31,099 |
| Corn | " | 385,024 | 459,101 | 326,463 | 560,875 |
| Buckwheat | " | 112,390 | 114,107 | 127,580 | 156,650 |
| Peas | " | 71,170 | 223,967 | 131,812 | 422,651 |
| Mixed grain | " | 28,377,067 | 19,733,311 | 26,354,246 | 23,999,261 |
| Other grains | " | 289,620 | 212,123 | 149,518 | 133,479 |
| Cost of containers | - | - | 647,278 | - | 728,602 |
| Materials used for making containers | - | - | 2,094 | - | 375 |
| All other materials | - | - | 1,644,196 | - | 2,298,382 |
| TOTAL | - | - | 39,014,228 | - | 50,206,730 |

THE FEED AND CHOPPING MILL INDUSTRY IN CANADA, 1947

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>1942</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>1943</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.

THE FEED AND CHOPPING INDUSTRY IN CANADA, 1947

Table 5. - Size of Establishments, 1946 and 1947

| Establishments having a production of - | Estab- lish- ments | Capital Invested | Em- ployees | Salaries and Wages | Cost of Materials Used | Total Production |
|--|--------------------------|---------------------|----------------|-----------------------|------------------------------|---------------------|
| | No. | \$ | No. | \$ | \$ | \$ |
| <u>1946</u> | | | | | | |
| Under \$50,000 | 467 | - | 730 | 458,094 | 8,725,036 | 10,234,523 |
| \$ 50,000 to \$ 99,999 | 203 | - | 536 | 528,417 | 11,946,280 | 13,943,631 |
| \$100,000 to \$199,999 | 96 | - | 501 | 640,031 | 10,695,172 | 12,669,411 |
| \$200,000 to over \$500,000 ... | 24 | - | 257 | 386,770 | 7,647,740 | 8,983,865 |
| TOTAL | 790 | - | 2,024 | 2,013,312 | 39,014,228 | 45,831,430 |
| <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 | - | 351 | 707,531 | 15,629,475 | 17,876,882 |
| \$200,000 to over \$1,000,000 | 43 | - | 369 | 551,935 | 13,317,060 | 15,485,313 |
| TOTAL | 787 | - | 2,065 | 2,228,098 | 50,206,730 | 57,649,246 |

THE FEED AND CHOPPING MILL INDUSTRY IN CANADA, 1947

Table 6. - Employees, Salaries and Wages in Feed and Chopping Mills, 1946 and 1947

| 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>1946</u> | | | | | | | | | |
| CANADA | 756 | 77 | 793,664 | 1,171 | 20 | 1,219,648 | 1,927 | 97 | 2,013,312 |
| Prince Edward Island | 4 | - | 1,945 | 2 | - | 1,239 | 6 | - | 3,184 |
| Nova Scotia | 2 | - | 630 | 5 | - | 4,400 | 7 | - | 5,030 |
| New Brunswick ... | 9 | - | 3,360 | 5 | - | 3,994 | 14 | - | 7,354 |
| Quebec | 139 | 15 | 147,002 | 200 | 8 | 235,596 | 339 | 23 | 382,598 |
| Ontario | 530 | 55 | 561,354 | 838 | 12 | 825,639 | 1,368 | 67 | 1,386,993 |
| Manitoba | 22 | 2 | 33,855 | 65 | - | 93,585 | 87 | 2 | 127,440 |
| Saskatchewan | 7 | - | 5,304 | 11 | - | 11,703 | 18 | - | 17,007 |
| Alberta | 39 | 2 | 38,204 | 31 | - | 39,170 | 70 | 2 | 77,374 |
| British Columbia. | 4 | 3 | 2,010 | 14 | - | 4,322 | 18 | 3 | 6,332 |
| <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 |

THE FEED AND CHOPPING MILL INDUSTRY IN CANADA, 1947

Table 7. - Monthly Employment of Wage-earners, 1946 and 1947

| | In Feed and Chopping Mills | | | |
|----------------------------|----------------------------|--------|-------|--------|
| | 1946 | | 1947 | |
| | Male | Female | Male | Female |
| | No. | No. | No. | No. |
| January | 1,094 | 18 | 1,175 | 20 |
| February | 1,112 | 17 | 1,170 | 18 |
| March | 1,124 | 16 | 1,196 | 17 |
| April | 1,080 | 18 | 1,211 | 17 |
| May | 1,106 | 18 | 1,225 | 15 |
| June | 1,084 | 19 | 1,200 | 14 |
| July | 1,100 | 21 | 1,181 | 13 |
| August | 1,108 | 18 | 1,181 | 13 |
| September | 1,173 | 20 | 1,177 | 11 |
| October | 1,194 | 23 | 1,218 | 12 |
| November | 1,223 | 22 | 1,220 | 12 |
| December | 1,199 | 21 | 1,152 | 12 |
| Average monthly employment | 1,171 | 20 | 1,230 | 16 |

Table 8. - Number of Wage-earners in Month of Highest Employment with their Regular Hours of Work and Average Weekly Earnings, 1944 and 1945

| Number of Hours Worked per Week /1 | Number of Employees | | | | Number of Hours Worked per Week | Number of Employees | | | |
|------------------------------------|---------------------|--------|------|--------|---------------------------------|---------------------|---------|---------|---------|
| | 1944 | | 1945 | | | 1944 | | 1945 | |
| | Male | Female | Male | Female | | Male | Female | Male | Female |
| 30 hours or less | 86 | 1 | 71 | - | 51-54 hours | 275 | - | 211 | - |
| 31-43 hours | 21 | 4 | 27 | 3 | 55 hours | 54 | 1 | 53 | - |
| 44 hours | 29 | - | 37 | - | 56-64 hours | 319 | 1 | 212 | - |
| 45-47 hours | 27 | - | 27 | 1 | 65 hours and over | 41 | - | 45 | - |
| 48 hours | 186 | 4 | 382 | 7 | Average hours per week ... | 51.6 | 44.2 | 50.4 | 46.1 |
| 49-50 hours | 111 | 1 | 135 | 4 | Average weekly earnings | \$20.11 | \$13.25 | \$21.41 | \$14.40 |

/1 Not collected in 1946-1947.

THE FEED AND CHOPPING MILL INDUSTRY IN CANADA, 1947

Table 9. - Power Equipment in Feed and Chopping Mills, 1946 and 1947

| | 1946 | | 1947 | |
|---|-----------------|---|-----------------|---|
| | 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 12 | 519 | 8 | 345 |
| | Idle 2 | 150 | 3 | 130 |
| Diesel engines | In use 218 | 11,072 | 204 | 11,040 |
| | Idle 13 | 546 | 7 | 295 |
| Gasoline, gas and oil engines, other than diesel | In use 177 | 7,036 | 162 | 6,552 |
| | Idle 18 | 594 | 25 | 847 |
| Hydraulic turbines or water wheels | In use 301 | 11,904 | 272 | 10,983 |
| | Idle 13 | 660 | 11 | 570 |
| Electric motors operated by purchased power ... | In use 1,002 | 15,366 | 1,248 | 18,530 |
| | Idle 38 | 639 | 49 | 879 |
| TOTAL POWER USED IN MANUFACTURING | 1,794 | 48,486 | 1,989 | 50,171 |
| Electric motors operated by power generated by the establishment | 6 | 23 | 6 | 23 |
| Total Electric Motors . | 1,046 | 16,028 | 1,303 | 19,432 |
| TOTAL POWER INSTALLATION | 1,800 | 48,509 | 1,995 | 50,194 |
| Boilers | In use 7 | 300 | 6 | 362 |
| | Idle - | - | 1 | 50 |
| Motor generator sets .. | In use 5 | 13 | 5 | 53 |
| | Idle - | - | 1 | 30 |

Table 10. - Consumption of Fuel and Electricity in Feed and Chopping Mills, 1946 and 1947

| Kinds of Fuel | Unit of Measure | 1946 | | 1947 | |
|--|-----------------|------------|--------------------|------------|--------------------|
| | | Quantity | Total Cost at Mill | Quantity | Total Cost at Mill |
| | | | \$ | | \$ |
| Coal - | Ton | | | | |
| Bituminous | (2000 lb.) | 2,093 | 19,024 | 2,338 | 25,665 |
| Anthracite | " | 269 | 3,375 | 302 | 5,000 |
| Lignite | " | 95 | 700 | 177 | 958 |
| Coke | " | 38 | 573 | 43 | 663 |
| Gasoline | Imp. Gal. | 361,881 | 113,057 | 381,916 | 125,741 |
| Kerosene or coal oil | " " | 4,894 | 775 | 1,171 | 259 |
| Fuel or diesel oil | " " | 611,038 | 74,288 | 593,320 | 92,329 |
| Wood | Cord | 4,387 | 5,112 | 638 | 4,272 |
| Gas, manufactured and natural | M cu. ft. | 120,445 | 11,275 | 15,193 | 8,540 |
| Other fuel | - | - | 149 | - | 75 |
| Electricity purchased | K.W.H. | 11,851,937 | 265,872 | 13,517,411 | 304,091 |
| TOTAL COST OF FUEL AND ELECTRICITY | | - | 494,200 | - | 567,593 |

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