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CANADA

DEPARTMENT OF TRADE AND COMMERCE

DOMINION BUREAU OF STATISTICS

GENERAL MANUFACTURES BRANCH

REPORT

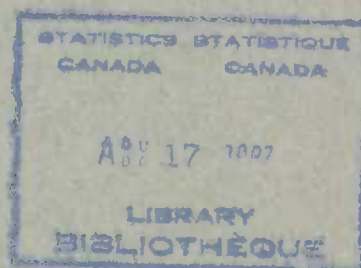
ON THE

FLOUR AND FEED MILLING INDUSTRIES

IN

CANADA

1936



OTTAWA
1938

Price 25 cents

SECTION 1. General Summary.

" 2. Flour mills.

" 3. Feed and chopping mills.

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

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THE FLOUR AND FEED MILLING INDUSTRIES IN CANADA, 1936.

To permit of 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 1936 reveals the fact that, notwithstanding a decrease of 9 in the number of mills reporting, there was a marked increase in all of the other items comprising the principal statistics. These are shown for the Dominion for the years 1923 to 1936 in table 1(a), and by provinces for the year 1936 in table 1(b).

The decrease in the number of establishments is largely due to more extensive distribution services now in force by some of the larger milling companies covering the more sparsely populated areas. This has superseded to a great extent the former system of obtaining flour and other cereal products from the local mills some of which have consequently discontinued operations.

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 and the demand it created gave a great impetus to this trade. The 363 flour mills, many of them of the most modern type and highest efficiency, have a capacity far in excess of Canada's demands. During 1928 productive capacity reached about 121,000 barrels per day. Since then the industry has 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 4,850,071 barrels in 1936, but in spite of the decrease, Canada continues to be one of the leading exporters of wheat flour.

Table 1(a). - Principal Statistics for the Years 1923 to 1936.

| Year | Estab- | Capital | Em- | Salaries | Cost of | Gross |
|------|--------|------------|-------|-----------|-------------|-------------|
| | lish- | | | | | |
| | ments | | | | Used | Production |
| | No. | \$ | No. | \$ | \$ | \$ |
| 1923 | 1,387 | 60,556,587 | 6,786 | 7,450,428 | 128,473,059 | 154,895,991 |
| 1924 | 1,309 | 64,356,541 | 6,609 | 7,808,939 | 150,056,430 | 180,807,549 |
| 1925 | 1,310 | 60,104,258 | 6,166 | 7,190,022 | 163,164,668 | 137,944,731 |
| 1926 | 1,291 | 58,335,813 | 6,348 | 7,222,464 | 163,905,450 | 189,580,741 |

THE FLOUR AND FEED MILLING INDUSTRIES IN CANADA, 1936

Table 1(a). - Principal Statistics for the Years 1923 to 1936 - (Concluded).

| Year | Estab- lish- ments | Capital Invested | Em- ployees | Salaries and Wages | Cost of Materials Used | Gross Value of Production |
|------|--------------------------|---------------------|----------------|-----------------------|------------------------------|---------------------------------|
| | No. | \$ | No. | \$ | \$ | \$ |
| 1927 | 1,315 | 62,062,013 | 6,384 | 7,372,670 | 163,712,597 | 191,741,470 |
| 1928 | 1,319 | 63,514,575 | 6,556 | 7,606,674 | 165,032,321 | 195,698,124 |
| 1929 | 1,325 | 67,773,534 | 6,618 | 7,578,276 | 150,806,665 | 181,148,689 |
| 1930 | 1,277 | 62,617,007 | 5,923 | 6,679,113 | 119,677,686 | 144,855,946 |
| 1931 | 1,265 | 61,069,192 | 5,671 | 6,032,189 | 71,771,797 | 95,728,540 |
| 1932 | 1,290 | 58,283,212 | 5,586 | 5,576,395 | 63,177,656 | 84,748,800 |
| 1933 | 1,328 | 59,054,505 | 5,470 | 5,108,137 | 63,297,848 | 83,322,099 |
| 1934 | 1,310 | 59,293,426 | 5,633 | 5,135,312 | 74,048,243 | 95,746,183 |
| 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 |

Table 1(b). - Principal Statistics, by Provinces, 1936.

| Items | CANADA | Prince Edward Island | Nova Scotia | New Brunswick | Quebec |
|------------------------------|-------------|----------------------------|----------------|------------------|---------------------|
| Establishments reporting No. | 1,118 | 12 | 11 | 27 | 233 |
| Capital invested \$ | 61,867,287 | 66,579 | 164,617 | 521,522 | 6,295,888 |
| Salaried employees - | | | | | |
| Male No. | 1,533 | 7 | 6 | 21 | 297 |
| Female No. | 184 | - | - | 8 | 19 |
| Total salaries \$ | 2,143,380 | 2,476 | 8,940 | 22,062 | 456,820 |
| Wage-earners - | | | | | |
| Male No. | 3,809 | 8 | 19 | 52 | 454 |
| Female No. | 159 | - | - | - | - |
| Total wages \$ | 3,399,565 | 3,855 | 17,259 | 45,731 | 364,318 |
| Cost of materials used \$ | 90,614,236 | 97,630 | 453,280 | 577,298 | 10,411,167 |
| Gross value of production \$ | 114,617,099 | 139,662 | 517,410 | 687,318 | 13,048,235 |
| | Ontario | Manitoba | Saskatchewan | Alberta | British Columbia |
| Establishments reporting No. | 637 | 41 | 68 | 81 | 8 |
| Capital invested \$ | 25,788,874 | 5,244,412 | 15,060,056 | 8,320,043 | 405,296 |
| Salaried employees | | | | | |
| Male No. | 656 | 104 | 205 | 223 | 14 |
| Female No. | 89 | 12 | 31 | 25 | - |
| Total salaries \$ | 786,655 | 173,305 | 339,935 | 337,491 | 15,696 |

THE FLOUR AND FEED MILLING INDUSTRIES IN CANADA, 1936.

Table 1 (b). - Principal Statistics, by Provinces, 1936 - (concluded).

| Items | Ontario | Manitoba | Saskatchewan | Alberta | British Columbia |
|------------------------------------|------------|-----------|--------------|------------|------------------|
| Wage-earners -- | | | | | |
| Male No. | 2,143 | 390 | 302 | 420 | 21 |
| Female No. | 125 | 18 | 12 | 4 | |
| Total wages \$ | 1,904,249 | 342,560 | 297,747 | 403,375 | 20,471 |
| Cost of materials used. \$ | 50,346,695 | 7,444,391 | 11,530,744 | 9,332,962 | 420,069 |
| Gross value of production \$ | 62,965,447 | 9,002,161 | 15,451,759 | 12,261,814 | 543,293 |

From the foregoing tables it will be noted that there were increases in the salary and wage payments of \$377,438. in the value of production \$17,049,231, and the cost of materials used accounted for an additional \$12,542,569. Increases amounting to \$5,391,972 in the capital investment and 231 in the total number of employees were also recorded.

Production. - The total value of all products of the two industries in 1936 amounted to \$114,617,099 of which spring wheat flour was accountable for \$61,758,452. Next in order of importance was chopped grain feed with a total of \$23,152,120, followed by shorts and middlings to the extent of \$6,052,302. Rolled oats takes fourth place with \$5,927,076 whilst bran and fall or winter wheat flour occupy fifth and sixth positions with a valuation of \$4,230,874 and \$3,789,494 respectively.

Capital. - The capital employed in these industries represented an investment of \$61,867,287 which was divided as follows: - fixed capital - consisting of present value of land, buildings, fixtures, machinery, tools, etc., - \$28,767,319 and working capital which comprises inventory value of materials on hand, stocks in process, finished products on hand, etc., \$19,083,481 and cash, bills and accounts receivable \$14,016,487.

Employees, Salaries and Wages. - The administrative and clerical work in connection with the two industries required the services of 1,533 male and 184 female employees whose total salaries amounted to \$2,143,380. The number of wage-earners employed was 3,809 male and 159 female which necessitated a payroll amounting to \$3,399,565.

Cost of Materials. - The total cost of all materials used in both industries, including containers, amounted to \$90,614,236. Wheat of all kinds was by far the largest contributor to this sum with \$60,028,383. Mixed grain for chopping takes second place with \$15,366,009. The next largest item of expense was that of oats which accounted for \$6,075,995 whilst containers and container materials occupy fourth position with a total cost of \$4,873,258.

THE FLOUR AND FEED MILLING INDUSTRIES IN CANADA, 1936.

Quantity and Value of Principal Mill Products in Canada,
1925, 1929, 1932, 1933, 1934, 1935 and 1936.

| Products | Unit of Measure | Quantity | Selling Value at Mill | Average Value |
|------------------------------|-----------------|------------|-----------------------|---------------|
| | | | \$ | \$ |
| <u>1925</u> | | | | |
| Wheat flour, all grades ... | Barrel | 17,769,071 | 131,857,785 | 7.42 |
| Oatmeal and rolled oats | " | 734,266 | 5,574,200 | 7.59 |
| Bran, shorts and middlings . | Ton | 626,289 | 16,518,717 | 26.22 |
| Feed, chopped | " | 792,512 | 27,854,365 | 35.15 |
| <u>1929</u> | | | | |
| Wheat flour, all grades | Barrel | 19,756,422 | 114,552,634 | 5.80 |
| Oatmeal and rolled oats | " | 830,099 | 6,902,869 | 8.32 |
| Bran, shorts and middlings . | Ton | 713,744 | 19,918,668 | 27.90 |
| Feed, chopped | " | 848,698 | 30,927,336 | 36.44 |
| <u>1932</u> | | | | |
| Wheat flour, all grades ... | Barrel | 14,866,307 | 49,373,367 | 3.32 |
| Oatmeal and rolled oats | " | 824,439 | 5,188,645 | 6.29 |
| Bran, shorts and middlings . | Ton | 522,991 | 7,866,569 | 15.04 |
| Feed, chopped | " | 764,806 | 16,430,645 | 21.48 |
| <u>1933</u> | | | | |
| Wheat flour, all grades | Barrel | 15,227,289 | 49,284,078 | 3.24 |
| Oatmeal and rolled oats | " | 764,451 | 4,474,366 | 5.85 |
| Bran, shorts and middlings . | Ton | 498,321 | 6,980,083 | 14.01 |
| Feed, chopped | " | 716,475 | 17,008,131 | 23.73 |
| <u>1934</u> | | | | |
| Wheat flour, all grades | Barrel | 14,807,515 | 57,120,238 | 3.86 |
| Oatmeal and rolled oats | " | 801,896 | 5,198,730 | 6.48 |
| Bran, shorts and middlings . | Ton | 517,498 | 8,956,362 | 17.31 |
| Feed, chopped | " | 701,288 | 17,987,718 | 25.65 |
| <u>1935</u> | | | | |
| Wheat flour, all grades | Barrel | 14,137,510 | 57,168,713 | 4.04 |
| Oatmeal and rolled oats | " | 768,852 | 5,501,358 | 7.16 |
| Bran, shorts and middlings . | Ton | 495,767 | 9,968,356 | 20.10 |
| Feed, chopped | " | 749,540 | 18,192,926 | 24.27 |
| <u>1936</u> | | | | |
| Wheat flour, all grades | Barrel | 14,932,400 | 65,939,686 | 4.42 |
| Oatmeal and rolled oats | " | 886,109 | 6,516,633 | 7.35 |
| Bran, shorts and middlings . | Ton | 556,168 | 10,283,176 | 18.49 |
| Feed, chopped | " | 813,562 | 23,152,120 | 28.46 |

THE FLOUR AND FEED MILLING INDUSTRY IN CANADA, 1936.

Table 2(a). - Size of Establishments, 1935 and 1936.

| Establishments having a Production of: | 1935 | | | 1936 | | |
|---|------------------|------------------|---------------------------------------|------------------|------------------|---------------------------------------|
| | Estab-lish-ments | Total Production | Average Production per Estab-lishment | Estab-lish-ments | Total Production | Average Production per Estab-lishment |
| | No. | \$ | \$ | No. | \$ | \$ |
| Under \$50,000 | 997 | 18,497,347 | 18,553 | 923 | 17,228,733 | 18,666 |
| \$50,000 to \$100,000 . | 75 | 5,167,913 | 68,906 | 119 | 7,952,103 | 66,824 |
| \$100,000 to \$200,000. | 14 | 2,014,182 | 143,870 | 32 | 4,177,825 | 130,554 |
| \$200,000 to \$500,000. | 15 | 4,598,845 | 306,590 | 14 | 4,203,491 | 300,249 |
| \$500,000 to \$1,000,000 | 7 | 4,600,497 | 657,214 | 10 | 7,452,719 | 745,271 |
| \$1,000,000 to \$5,000,000 | 14 | 31,675,172 | 2,262,512 | 15 | 37,301,004 | 2,486,734 |
| \$5,000,000 and over . | 5 | 31,013,912 | 6,202,782 | 5 | 36,301,224 | 7,260,245 |
| TOTAL AND AVERAGE . | 1,127 | 97,567,868 | 86,573 | 1,118 | 114,617,099 | 102,520 |
| Establishments having a Capital Investment of: | Estab-lish-ments | Total Capital | Average Capital per Estab-lishment | Estab-lish-ments | Total Capital | Average Capital per Estab-lishment |
| | No. | \$ | \$ | No. | \$ | \$ |
| Under \$50,000 | 1,059 | 7,856,077 | 7,418 | 1,051 | 8,903,053 | 8,471 |
| \$50,000 to \$100,000 . | 29 | 2,079,214 | 71,697 | 26 | 1,905,485 | 73,288 |
| \$100,000 to \$200,000. | 11 | 1,519,945 | 138,177 | 11 | 1,425,982 | 129,635 |
| \$200,000 to \$500,000. | 7 | 2,324,504 | 332,072 | 9 | 2,524,747 | 280,527 |
| \$500,000 to \$1,000,000 | 7 | 5,747,017 | 821,002 | 5 | 3,953,391 | 790,678 |
| \$1,000,000 and over . | 14 | 36,948,558 | 2,639,183 | 16 | 4,315,629 | 2,697,164 |
| TOTAL AND AVERAGE . | 1,127 | 56,475,315 | 50,111 | 1,118 | 61,867,287 | 55,337 |
| Establishments having an Average Employment of: | Estab-lish-ments | Total Employees | Average Employees per Estab-lishment | Estab-lish-ments | Total Employees | Average Employees per Estab-lishment |
| | No. | No. | No. | No. | No. | No. |
| Under 20 employees . | 1,095 | 2,194 | 2.0 | 1,084 | 2,135 | 2.0 |
| 20 to 50 employees . | 13 | 417 | 32.0 | 13 | 388 | 29.8 |
| 50 to 100 employees . | 7 | 478 | 68.2 | 9 | 596 | 66.2 |
| 100 to 200 employees. | 8 | 1,115 | 139.3 | 8 | 1,183 | 147.9 |
| 200 to 500 employees. | 4 | 1,250 | 312.5 | 4 | 1,383 | 345.8 |
| TOTAL AND AVERAGE . | 1,127 | 5,454 | 4.8 | 1,118 | 5,685 | 5.1 |

THE FLOUR AND FEED MILLING INDUSTRIES IN CANADA, 1936.

Table 2(b). - Daily Capacity of Flour Mills, 1936.
(24 hours per day)

| Capacity of Mills per Day of 24 Hours | Number of Mills | Total Capacity of the Mills in each Group | Average per Establishment | Per cent of Total |
|---------------------------------------|-----------------|---|---------------------------|-------------------|
| | | Barrels | Barrels | |
| Under 100 Barrels | 244 | 10,147 | 42 | 10.0 |
| 100 to 199 barrels | 75 | 8,803 | 117 | 9.0 |
| 200 to 299 barrels | 13 | 2,865 | 220 | 2.8 |
| 300 to 499 barrels | 4 | 1,475 | 368 | 1.4 |
| 500 to 999 barrels | 7 | 4,800 | 685 | 4.7 |
| 1,000 to 2,999 barrels . | 11 | 19,887 | 1,808 | 19.4 |
| 3,000 to 4,999 barrels . | 4 | 14,250 | 3,562 | 14.0 |
| 5,000 barrels and over . | 5 | 39,815 | 7,963 | 39.0 |
| TOTAL AND AVERAGE ... | 363 | 102,042 | 281 | 100.0 |

Table 3. - Production in All Mills, by Classes, 1936.

| Products | Merchant Grinding | | Custom or Exchange Grinding | | Total Selling Value At Mill |
|-------------------------------|-------------------|------------|-----------------------------|------------|-----------------------------|
| | Quantity | Value | Quantity | Value | |
| CANADA | | | | | |
| Chopped grain feed Ton | 68,163 | 1,860,720 | 745,399 | 21,291,400 | 23,152,120 |
| Wheat flour - | | | | | |
| Fall or winter .. Bbl. | 879,910 | 3,749,729 | 6,616 | 39,765 | 3,789,494 |
| Spring | 13,729,966 | 60,683,344 | 210,440 | 1,075,108 | 61,758,452 |
| Blended | 103,022 | 439,350 | 2,446 | 12,390 | 451,740 |
| Low grade or feed flour | Ton 27,828 | 694,266 | 215 | 7,437 | 701,703 |
| Shorts and middlings | " 306,365 | 5,940,562 | 5,256 | 111,740 | 6,052,302 |
| Bran | " 239,322 | 4,126,210 | 5,225 | 104,664 | 4,230,874 |
| Oatmeal | Lb. 14,804,487 | 586,613 | 91,250 | 2,944 | 589,557 |
| Rolled oats | " 145,744,952 | 5,925,564 | 74,800 | 1,512 | 5,927,076 |
| Barley - | | | | | |
| Pot and pearl .. | " 4,213,490 | 117,265 | - | - | 117,265 |
| Flour and meal .. | " 8,639,903 | 104,966 | 72,720 | 822 | 105,788 |
| Rye, flour and meal | " 6,469,606 | 209,634 | 89,760 | 1,624 | 211,258 |
| Corn - | | | | | |
| Flour | " 7,440,192 | 217,532 | - | - | 217,532 |
| Meal | " 61,664,821 | 1,033,549 | 906,038 | 12,791 | 1,046,340 |
| Cracked | " 25,606,582 | 383,051 | 622,728 | 8,789 | 391,840 |

THE FLOUR AND FEED MILLING INDUSTRIES IN CANADA, 1936.

Table 3. - Production in All Mills, by Classes, 1936 - (Concluded)

| Products | Merchant Grinding | | Custom or Exchange Grinding | | Total Selling Value at Mill |
|---|-------------------|-------------------|-----------------------------|-------------------|-----------------------------|
| | Quantity | Value | Quantity | Value | |
| | | \$ | | \$ | \$ |
| CANADA - (Concluded) | | | | | |
| Buckwheat flourLb. | 339,175 | 8,040 | 1,104,792 | 29,966 | 38,006 |
| Offal, not otherwise specifiedTon | 109,092 | 1,497,415 | 995 | 27,841 | 1,525,256 |
| All other cereal products | - | 1,683,884 | - | 13,497 | 1,697,381 |
| All other products | - | 2,552,219 | - | 60,896 | 2,613,115 |
| TOTAL VALUE OF PRODUCTION IN ALL MILLS | - | 91,813,913 | - | 22,803,186 | 114,617,099 |

Table 4. - Materials Used in All Mills, 1936.

| Materials | Unit of Measure | C A N A D A | |
|---|-----------------|-------------|--------------------|
| | | Quantity | Cost Value at Mill |
| | | | \$ |
| Wheat | Bushel | 69,878,888 | 60,028,383 |
| Oats | " | 15,787,203 | 6,075,995 |
| Barley | " | 2,140,604 | 1,112,846 |
| Rye | " | 227,999 | 124,192 |
| Corn | " | 2,650,322 | 1,895,224 |
| Buckwheat | " | 341,552 | 213,149 |
| Peas | " | 50,072 | 63,048 |
| Mixed grains for chopping | " | 32,605,722 | 15,366,009 |
| Other grains | " | 355,153 | 99,232 |
| Cost of containers purchased | - | - | 4,867,562 |
| Cost of materials used in making containers | - | - | 5,696 |
| All other materials | - | - | 762,900 |
| TOTAL COST OF MATERIALS USED | - | - | 90,614,236 |

THE FLOUR AND FEED MILLING INDUSTRIES IN CANADA, 1936.

Table 5. - Capital Invested in All Mills, 1936.

| Provinces | 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. | |
| | \$ | \$ | \$ | \$ |
| CANADA | 28,767,319 | 19,083,481 | 14,016,487 | 61,867,287 |
| Prince Edward Island .. | 62,194 | 1,634 | 2,751 | 66,579 |
| Nova Scotia | 85,787 | 13,008 | 65,822 | 164,617 |
| New Brunswick | 215,293 | 237,212 | 69,017 | 521,522 |
| Quebec | 2,817,996 | 1,408,053 | 2,069,839 | 6,295,888 |
| Ontario | 16,066,734 | 7,823,291 | 1,898,849 | 25,788,874 |
| Manitoba | 2,492,982 | 1,966,535 | 784,895 | 5,244,412 |
| Saskatchewan | 3,494,932 | 4,367,217 | 7,197,907 | 15,060,056 |
| Alberta | 3,363,752 | 3,144,598 | 1,811,692 | 8,320,043 |
| British Columbia | 167,648 | 121,933 | 115,715 | 405,296 |

Table 6. - Employees, Salaries and Wages in All Mills, 1936.

| 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. | \$ |
| CANADA ... | 1,533 | 184 | 2,143,380 | 3,809 | 159 | 3,399,565 | 5,342 | 343 | 5,542,945 |
| Prince Edward Island | 7 | - | 2,476 | 8 | - | 3,855 | 15 | - | 6,331 |
| Nova Scotia . | 6 | - | 8,940 | 19 | - | 17,259 | 25 | - | 26,199 |
| New Brunswick. | 21 | 8 | 22,062 | 52 | - | 45,731 | 73 | 8 | 67,793 |
| Quebec | 297 | 19 | 456,820 | 454 | - | 364,318 | 751 | 19 | 821,138 |
| Ontario | 656 | 89 | 786,655 | 2,143 | 125 | 1,904,249 | 2,799 | 214 | 2,690,904 |
| Manitoba | 104 | 12 | 173,305 | 390 | 18 | 342,560 | 494 | 30 | 515,865 |
| Saskatchewan . | 205 | 31 | 339,935 | 302 | 12 | 297,747 | 507 | 43 | 637,682 |
| Alberta | 223 | 25 | 337,491 | 420 | 4 | 403,375 | 643 | 29 | 740,866 |
| British Columbia ... | 14 | - | 15,696 | 21 | - | 20,471 | 35 | - | 36,167 |

THE FLOUR AND FEED MILLING INDUSTRIES IN CANADA, 1936.

Table 7, - Power Equipment in All Mills, 1936.

| Classes of Power | Number of Units | Manufacturers' Rating of Horse-power Capacity |
|--|----------------------------|---|
| Steam engines | (In use 88 (Idle 11) | 10,162 1,639 |
| Diesel engines | (In use 161 (Idle 3) | 7,136 172 |
| Gasoline, gas and oil engines other than diesel | (In use 231 (Idle 27) | 10,059 665 |
| Hydraulic turbines or water wheels .. | (In use 583 (Idle 26) | 27,887 1,142 |
| Electric motors operated by purchased power | (In use 1,829 (Idle 96) | 55,469 4,223 |
| TOTAL POWER USED IN MANUFACTURING | | 3,105 118,554 |
| Electric motors operated by power generated by the establishment | 68 | 1,961 |
| Boilers | (In use 128 (Idle 5) | 12,721 310 |

Table 8. - Fuel and Electricity Used in All Mills, 1936.

| Kinds of Fuel | Unit of Measure | Quantity | Total Cost at Mill |
|--|-----------------|-------------|--------------------|
| | | | \$ |
| Bituminous coal | Short Ton | 30,153 | 158,800 |
| Anthracite coal | " " | 657 | 6,433 |
| Lignite coal | " " | 19,803 | 68,952 |
| Coke | " " | 26 | 277 |
| Gasoline | Imp. Gal. | 134,464 | 28,626 |
| Kerosene or coal oil | " " | 7,233 | 1,327 |
| Fuel and diesel oil | " " | 521,018 | 58,125 |
| Wood | Cord | 14,050 | 34,519 |
| Gas, manufactured and natural ... | M cu. ft. | 462,369 | 37,083 |
| Other fuel | - | - | 27,265 |
| Electricity purchased | K.W.H. | 108,719,181 | 900,786 |
| TOTAL COST OF FUEL AND ELECTRICITY | | - | 1,322,193 |

THE FLOUR AND FEED MILLING INDUSTRIES IN CANADA, 1936.

Table 9. - Imports of Milled Products and Grains by Quantity and Value
1935 and 1936

| Articles Imported | Unit of Measure | 1935 | | 1936 | |
|--|-----------------|-----------|-------------|------------|-------------|
| | | Quantity | Value \$ | Quantity | Value \$ |
| Milled Products - | | | | | |
| Wheat flour | Barrel | 114,077 | 392,412 | 63,388 | 279,175 |
| Buckwheat meal and flour .. | Cwt. | 281 | 1,070 | 782 | 2,629 |
| Cornmeal | Barrel | 8,583 | 42,641 | 3,446 | 17,877 |
| Malt flour | Pound | 34,400 | 2,221 | 2,060,684 | 73,467 |
| Rye flour | Barrel | 882 | 2,751 | 1,148 | 3,833 |
| Oatmeal and rolled oats .. | Pound | 255,403 | 15,697 | 200,586 | 16,392 |
| Barley, pot and pearl | " | 62,442 | 12,905 | 64,413 | 9,807 |
| Peas, split | " | 347,836 | 13,813 | 920,284 | 26,968 |
| Hominy, cracked,ground,etc. | " | - | 185,910 | - | 163,898 |
| Rice and cassava flour,etc. | Pound | 79,187 | 5,597 | 86,979 | 5,308 |
| Sago and tapioca flour ... | " | 2,916,901 | 57,985 | 3,379,607 | 76,563 |
| Bran and mill feed | Cwt. | 6,194 | 10,639 | 12,920 | 18,307 |
| Cereal food in packages .. | Pound | 414,821 | 52,135 | 458,094 | 54,956 |
| Cereal foods, n.o.p. | " | - | 89,150 | - | 120,930 |
| Semolina | Barrel | 409 | 3,386 | 390 | 2,995 |
| TOTAL VALUE OF IMPORTS OF MILLED PRODUCTS | | - | 888,312 | - | 873,105 |
| Grains - | | | | | |
| Wheat | Bushel | 7,819 | 13,695 | 98,053 | 93,548 |
| Oats | " | 751 | 522 | 340,445 | 96,983 |
| Barley | " | 144 | 162 | 214 | 159 |
| Corn for all purposes | " | 8,525,847 | 5,240,786 | 17,269,398 | 9,773,584 |
| Buckwheat | " | 1,340 | 1,038 | 150 | 280 |
| Peas, n.o.p. | Pound | 2,266,041 | 146,774 | 6,176,513 | 230,280 |
| Rye | Bushel | 3,345 | 3,144 | 1,534 | 1,648 |
| Beans, n.o.p. | Pound | 1,725,919 | 84,128 | 3,310,865 | 142,287 |
| Beans, soya | " | 861,318 | 17,003 | 1,733,805 | 30,563 |
| Rice uncleaned | Cwt. | 567,497 | 1,117,380 | 651,014 | 1,073,728 |
| Rice cleaned | Cwt. | 76,287 | 222,279 | 108,821 | 299,506 |
| TOTAL VALUE OF GRAINS IMPORTED | | - | 6,846,911 | - | 11,742,566 |

THE FLOUR AND FEED MILLING INDUSTRIES IN CANADA, 1936.

Table 10. - Exports of Milled Products and Grains by Quantity and Value, 1935 and 1936.

| Articles Exported | Unit of Measure | 1935 | | 1936 | |
|--|-----------------|-------------|--------------------|-------------|--------------------|
| | | Quantity | Value | Quantity | Value |
| Milled Products - | | | \$ | | \$ |
| Rye flour | Barrel | 469 | 1,436 | 337 | 1,479 |
| Wheat flour | " | 4,881,057 | 19,001,050 | 4,850,071 | 20,638,718 |
| Oatmeal and rolled oats | Cwt. | 530,243 | 2,449,044 | 629,249 | 3,101,614 |
| Bran, shorts and middlings | " | 3,553,342 | 3,600,399 | 4,137,225 | 4,378,811 |
| Malt | Bushel | 2,531,272 | 2,968,547 | 2,029,268 | 2,024,634 |
| Peas, split | " | 7,607 | 12,828 | 16,336 | 25,150 |
| Screenings | Cwt. | 1,249,698 | 391,253 | 1,564,258 | 981,024 |
| Cornmeal | Barrel | 38,681 | 120,677 | 38,756 | 119,396 |
| Rice, meal and flour . | Pound | 3,778 | 509 | 158,819 | 5,217 |
| All other meals, n.o.p | Cwt. | 544 | 1,064 | 1,532 | 3,868 |
| Cereal foods, prepared, all kinds | - | - | 3,427,530 | - | 4,204,738 |
| TOTAL VALUE OF MILLED PRODUCTS EXPORTED | - | - | 31,974,337 | - | 35,484,649 |
| Grains - | | | | | |
| Wheat | Bushel | 165,672,671 | 137,152,807 | 243,041,530 | 226,913,763 |
| Oats | " | 14,371,708 | 5,276,905 | 8,488,040 | 3,136,891 |
| Barley | " | 7,921,359 | 4,155,529 | 18,935,682 | 14,927,954 |
| Corn | " | 7,724 | 8,775 | 144,077 | 119,956 |
| Rye | " | 682,807 | 302,686 | 4,437,046 | 2,612,247 |
| Buckwheat | " | 533,265 | 275,793 | 277,519 | 169,799 |
| Peas, whole | " | 16,102 | 49,744 | 8,699 | 20,470 |
| Beans | " | 1,817 | 5,345 | 187,269 | 198,496 |
| TOTAL VALUE OF GRAINS EXPORTED | - | - | 147,227,584 | - | 248,099,576 |

THE FLOUR AND FEED MILLING INDUSTRIES IN CANADA, 1936.

SECTION 2. - THE FLOUR MILLING INDUSTRY, 1936.

Principal Statistics of the Flour Mills in Canada for the Years
1931, 1932, 1933, 1934 and 1935.

| Items | 1931 | 1932 | 1933 | 1934 | 1935 |
|--------------------------------------|------------|------------|------------|------------|------------|
| Establishments .. No. | 372 | 394 | 413 | 435 | 384 |
| Capital invested . \$ | 55,050,361 | 52,417,339 | 51,989,432 | 52,491,680 | 50,278,121 |
| Total employees . No. | 4,410 | 4,325 | 4,153 | 4,263 | 4,244 |
| Total salaries and wages \$ | 5,276,688 | 4,912,371 | 4,422,689 | 4,443,991 | 4,479,679 |
| Cost of materials. \$ | 59,085,624 | 52,414,311 | 51,719,587 | 61,392,000 | 65,378,617 |
| Gross value of production \$ | 79,591,603 | 71,035,283 | 68,746,624 | 80,170,600 | 81,955,937 |

Principal Statistics of the Flour Mills in Canada, by Provinces, 1936.

| Provinces | Estab- lish- ments | Capital Invested | Em- ployees | Salaries and Wages | Cost of Materials Used | Gross Value of Production |
|--------------------------------------|--------------------------|---------------------|----------------|-----------------------|------------------------------|---------------------------------|
| | No. | \$ | No. | \$ | \$ | \$ |
| CANADA | 363 | 55,275,090 | 4,416 | 4,785,910 | 73,972,242 | 94,320,594 |
| Prince Edward Island | 11 | 64,779 | 14 | 5,971 | 90,530 | 130,962 |
| Nova Scotia and New Brunswick ... | 9 | 69,552 | 14 | 7,460 | 81,976 | 106,842 |
| Quebec | 85 | 5,453,577 | 588 | 746,939 | 9,275,264 | 11,522,494 |
| Ontario | 124 | 20,989,677 | 2,108 | 2,144,644 | 36,731,001 | 46,469,991 |
| Manitoba | 34 | 5,193,393 | 507 | 499,970 | 7,306,857 | 8,833,784 |
| Saskatchewan | 49 | 15,009,534 | 526 | 629,652 | 11,397,400 | 15,280,239 |
| Alberta | 48 | 8,200,438 | 634 | 723,477 | 8,720,779 | 11,501,426 |
| British Columbia .. | 3 | 294,140 | 25 | 27,797 | 368,435 | 474,856 |

THE FLOUR MILLING INDUSTRY IN CANADA, 1936.

Table 1. - Production in Flour Mills by Classes and the Provinces, 1936.

| Products | Unit of Measure | Merchant Grinding | | Custom or Exchange Grinding | | Total Selling Value at Mill |
|--------------------------------------|-----------------|-------------------|------------|-----------------------------|-----------|-----------------------------|
| | | Quantity | Value | Quantity | Value | |
| | | | \$ | | \$ | \$ |
| CANADA | | | | | | |
| Chopped grain feed | Ton | 32,855 | 889,191 | 156,605 | 4,248,369 | 5,137,560 |
| Wheat flour - | | | | | | |
| Fall or winter | Barrel | 879,910 | 3,749,729 | 6,616 | 39,765 | 3,789,494 |
| Spring | " | 13,729,966 | 60,683,344 | 210,440 | 1,075,108 | 61,758,452 |
| Blended | " | 103,022 | 439,350 | 2,446 | 12,390 | 451,740 |
| Low grade or feed | Ton | 27,828 | 694,266 | 215 | 7,437 | 701,703 |
| Shorts and middlings | " | 305,896 | 5,925,602 | 5,256 | 111,740 | 6,037,342 |
| Bran | " | 239,322 | 4,126,210 | 5,225 | 104,664 | 4,230,874 |
| Oatmeal | Pound | 13,227,096 | 547,282 | 91,250 | 2,944 | 550,226 |
| Rolled oats | " | 135,978,222 | 5,675,889 | 74,800 | 1,512 | 5,677,401 |
| Barley - | | | | | | |
| Pot and pearl | " | 2,619,652 | 71,909 | - | - | 71,909 |
| Flour and meal | " | 7,481,861 | 87,276 | - | - | 87,276 |
| Rye, flour and meal | " | 6,141,406 | 199,631 | 89,760 | 1,624 | 201,255 |
| Corn - | | | | | | |
| Flour | " | 5,906,884 | 181,556 | - | - | 181,556 |
| Meal | " | 25,879,210 | 463,184 | - | - | 463,184 |
| Cracked | " | 4,583,718 | 65,430 | 400 | 10 | 65,440 |
| Buckwheat flour | " | 299,175 | 6,915 | 410,960 | 9,765 | 16,680 |
| Offal, not otherwise specified | Ton | 97,236 | 1,369,393 | 377 | 9,767 | 1,379,160 |
| All other cereal products | - | - | 1,628,503 | - | 9,847 | 1,638,350 |
| All other products | - | - | 1,868,381 | - | 12,611 | 1,880,992 |
| TOTAL | - | - | 88,673,041 | - | 5,647,553 | 94,320,594 |
| PRINCE EDWARD ISLAND | | | | | | |
| Chopped grain feed | Ton | 17 | 475 | 770 | 20,786 | 21,261 |
| Wheat flour - | | | | | | |
| Fall or winter | Barrel | - | - | - | - | - |
| Spring | " | 1,239 | 6,876 | 13,306 | 68,285 | 75,161 |
| Blended | " | - | - | - | - | - |
| Low grade or feed | Ton | 7 | 360 | 35 | 1,760 | 2,120 |
| Shorts and middlings | " | 28 | 798 | 335 | 10,741 | 11,539 |
| Bran | " | 38 | 1,014 | 385 | 11,086 | 12,100 |
| Oatmeal | Pound | 27,000 | 837 | 46,250 | 1,584 | 2,421 |
| Rolled oats | - | - | - | - | - | - |
| Barley - | | | | | | |
| Pot and pearl | - | - | - | - | - | - |
| Flour and meal | - | - | - | - | - | - |
| Rye, flour and meal | - | - | - | - | - | - |
| Offal, not otherwise specified | Ton | 5 | 100 | 27 | 560 | 660 |
| All other products | - | - | 5,700 | - | - | 5,700 |
| TOTAL | - | - | 16,160 | - | 114,802 | 130,962 |

THE FLOUR MILLING INDUSTRY IN CANADA, 1936.

Table 1. - Production in Flour Mills by Classes and Provinces, 1936 (Continued)

| Products | Unit of Measure | Merchant Grinding | | Custom or Exchange Grinding | | Total Selling Value at Mill |
|--------------------------------------|-----------------|-------------------|-------------------|-----------------------------|----------------|-----------------------------|
| | | Quantity | Value | Quantity | Value | |
| | | | \$ | | \$ | \$ |
| NOVA SCOTIA AND NEW BRUNSWICK | | | | | | |
| Chopped grain feed | Ton | 159 | 5,088 | 864 | 26,193 | 31,281 |
| Wheat flour - | | | | | | |
| Fall or winter | Barrel | 94 | 660 | 2,025 | 12,925 | 13,585 |
| Spring | " | - | - | 3,437 | 19,883 | 19,883 |
| Blended | " | - | - | 1,651 | 8,255 | 8,255 |
| Low grade or feed | Ton | - | - | 15 | 425 | 425 |
| Shorts and middlings | " | - | - | 220 | 6,875 | 6,875 |
| Bran | " | 5 | 125 | 247 | 7,331 | 7,456 |
| Oatmeal | Pound | - | - | 45,000 | 1,360 | 1,360 |
| Rolled oats | - | - | - | - | - | - |
| Buckwheat flour | Pound | 18,220 | 455 | 398,260 | 9,447 | 9,902 |
| Offal, not otherwise specified | Ton | 12 | 300 | 242 | 7,045 | 7,345 |
| All other products | - | - | - | - | 475 | 475 |
| TOTAL | - | - | 6,628 | - | 100,214 | 106,842 |
| QUEBEC | | | | | | |
| Chopped grain feed | Ton | 4,259 | 124,900 | 21,413 | 642,493 | 767,393 |
| Wheat flour - | | | | | | |
| Fall or winter | Barrel | 605 | 3,000 | 371 | 2,226 | 5,226 |
| Spring | " | 1,982,185 | 8,664,584 | 18,952 | 103,691 | 8,768,275 |
| Blended | " | - | - | 765 | 4,045 | 4,045 |
| Low grade or feed | Ton | 6,247 | 204,351 | - | - | 204,351 |
| Shorts and middlings | " | 40,157 | 885,082 | 366 | 7,803 | 892,885 |
| Bran | " | 32,912 | 676,313 | 319 | 6,707 | 683,020 |
| Oatmeal | - | - | - | - | - | - |
| Rolled oats | Pound | - | - | 74,000 | 1,480 | 1,480 |
| Barley - | | | | | | |
| Pot and pearl | " | 253,624 | 6,391 | - | - | 6,391 |
| Flour and meal | " | 5,812,500 | 64,700 | - | - | 64,700 |
| Eye, flour and meal | - | - | - | - | - | - |
| Corn - | | | | | | |
| Flour | Pound | 1,615,824 | 34,440 | - | - | 34,440 |
| Meal | " | 1,683,640 | 26,419 | - | - | 26,419 |
| Cracked | " | 1,324,464 | 17,322 | - | - | 17,322 |
| Buckwheat flour | " | 39,900 | 718 | 7,700 | 188 | 906 |
| Offal, not otherwise specified | Ton | 1,915 | 28,725 | 24 | 490 | 29,215 |
| All other cereal products | - | - | 1,621 | - | - | 1,621 |
| All other products | - | - | 13,815 | - | 990 | 14,805 |
| TOTAL | - | - | 10,752,381 | - | 770,113 | 11,522,494 |

THE FLOUR MILLING INDUSTRY IN CANADA, 1936.

Table 1. - Production in Flour Mills by Classes and Provinces, 1936 (Continued)

| Products | Unit of Measure | Merchant Grinding | | Custom or Exchange Grinding | | Total Selling Value at Mill |
|--------------------------------------|-----------------|-------------------|-------------------|-----------------------------|------------------|-----------------------------|
| | | Quantity | Value | Quantity | Value | |
| ONTARIO | | | | | | |
| Chopped grain feed | Ton | 18,903 | 536,430 | 113,240 | 3,075,938 | 3,612,368 |
| Wheat flour - | | | | | | |
| Fall or winter | Barrel | 853,373 | 3,606,659 | 2,078 | 8,939 | 3,615,598 |
| Spring | " | 5,806,980 | 25,056,639 | 7,224 | 33,022 | 25,089,661 |
| Blended | " | 47,128 | 188,755 | 30 | 90 | 188,845 |
| Low grade or feed | Ton | 11,476 | 257,414 | 10 | 259 | 257,673 |
| Shorts and middlings | " | 139,863 | 3,056,044 | 202 | 6,034 | 3,062,078 |
| Bran | " | 107,993 | 2,088,861 | 159 | 4,267 | 2,093,128 |
| Oatmeal | Pound | 4,670,484 | 280,200 | - | - | 280,200 |
| Rolled oats | " | 69,657,840 | 3,403,578 | - | - | 3,403,578 |
| Barley - | | | | | | |
| Pot and pearl | " | 1,069,572 | 27,979 | - | - | 27,979 |
| Flour and meal | " | 1,669,361 | 22,576 | - | - | 22,576 |
| Rye, flour and meal | " | 6,092,510 | 198,508 | 24,000 | 480 | 198,988 |
| Corn - | | | | | | |
| Flour | " | 4,291,060 | 147,116 | - | - | 147,116 |
| Meal | " | 24,195,570 | 436,765 | - | - | 436,765 |
| Cracked | " | 3,259,254 | 48,108 | 400 | 10 | 48,118 |
| Buckwheat flour | " | 239,055 | 5,634 | 5,000 | 130 | 5,764 |
| Offal, not otherwise specified | Ton | 50,967 | 954,137 | 7 | 148 | 954,285 |
| All other cereal products .. | - | - | 1,378,113 | - | 165 | 1,378,278 |
| All other products | - | - | 1,646,888 | - | 105 | 1,646,993 |
| TOTAL | - | - | 43,340,404 | - | 3,129,587 | 46,469,991 |
| MANITOBA | | | | | | |
| Chopped grain feed | Ton | 4,228 | 123,777 | 3,246 | 94,267 | 218,044 |
| Wheat flour - | | | | | | |
| Fall or winter | Barrel | 4,160 | 20,800 | 740 | 3,700 | 24,500 |
| Spring | " | 1,543,073 | 6,665,271 | 57,813 | 289,836 | 6,955,107 |
| Blended | - | - | - | - | - | - |
| Low grade or feed | Ton | 39 | 1,269 | 24 | 850 | 2,119 |
| Shorts and middlings | " | 28,818 | 478,468 | 1,388 | 27,476 | 505,944 |
| Bran | " | 23,001 | 331,841 | 1,444 | 27,280 | 359,121 |
| Oatmeal | Pound | 1,395,520 | 33,767 | - | - | 33,767 |
| Rolled oats | " | 18,686,700 | 492,353 | - | - | 492,353 |
| Barley - | | | | | | |
| Pot and pearl | " | 696,212 | 17,393 | - | - | 17,393 |
| Flour and meal | - | - | - | - | - | - |
| Rye, flour and meal | Pound | 10,000 | 275 | 56,060 | 975 | 1,250 |
| Offal, not otherwise specified | Ton | 7,848 | 62,709 | 2 | 24 | 62,733 |
| All other cereal products .. | - | - | 76,706 | - | 124 | 76,830 |
| All other products | - | - | 84,563 | - | 60 | 84,623 |
| TOTAL | - | - | 8,389,192 | - | 444,592 | 8,833,784 |

THE FLOUR MILLING INDUSTRY IN CANADA, 1936.

Table 1. - Production in Flour Mills by Classes and Provinces, 1936 (Continued)

| Products | Unit of Measure | Merchant Grinding | | Custom or Exchange Grinding | | Total Selling Value at Mill |
|--------------------------------------|-----------------|-------------------|------------|-----------------------------|---------|-----------------------------|
| | | Quantity | Value | Quantity | Value | |
| | | | \$ | | \$ | \$ |
| SASKATCHEWAN | | | | | | |
| Chopped grain feed | Ton | 1,506 | 31,064 | 5,449 | 127,152 | 158,217 |
| Wheat flour - | | | | | | |
| Fall or winter | Barrel | 4,097 | 24,929 | 1,167 | 10,609 | 35,538 |
| Spring | " | 2,360,541 | 11,066,176 | 52,334 | 277,851 | 11,344,027 |
| Blended | " | 21,550 | 101,543 | - | - | 101,543 |
| Low grade or feed | Ton | 685 | 16,374 | 65 | 1,858 | 18,232 |
| Shorts and middlings | " | 65,948 | 997,679 | 1,307 | 24,789 | 1,022,468 |
| Bran | " | 44,009 | 587,629 | 1,310 | 23,237 | 610,866 |
| Oatmeal | Pound | 6,210,883 | 204,782 | - | - | 204,782 |
| Rolled oats | " | 37,333,495 | 1,479,610 | 800 | 32 | 1,479,642 |
| Barley - | | | | | | |
| Pot and pearl | " | 506,228 | 17,576 | - | - | 17,576 |
| Flour and meal | - | - | - | - | - | - |
| Rye, flour and meal | Pound | 33,946 | 748 | 5,800 | 93 | 841 |
| Offal, not otherwise specified | Ton | 29,178 | 252,198 | - | - | 252,198 |
| All other cereal products .. | - | - | 23,382 | - | 626 | 24,008 |
| All other products | - | - | 10,000 | - | 301 | 10,301 |
| TOTAL | - | - | 14,813,690 | - | 466,549 | 15,280,239 |
| ALBERTA | | | | | | |
| Chopped grain feed | Ton | 3,429 | 57,389 | 11,179 | 248,223 | 305,612 |
| Wheat flour - | | | | | | |
| Fall or winter | Barrel | 17,416 | 92,196 | 184 | 903 | 93,099 |
| Spring | " | 1,985,114 | 8,860,076 | 56,928 | 280,373 | 9,140,449 |
| Blended | " | 34,344 | 149,052 | - | - | 149,052 |
| Low grade or feed | Ton | 9,271 | 214,408 | 66 | 2,285 | 216,693 |
| Shorts and middlings | " | 30,130 | 475,710 | 1,427 | 27,702 | 503,412 |
| Bran | " | 30,344 | 410,128 | 1,348 | 24,378 | 434,506 |
| Oatmeal | Pound | 923,209 | 27,696 | - | - | 27,696 |
| Rolled oats | " | 10,300,187 | 300,348 | - | - | 300,348 |
| Barley - | | | | | | |
| Pot and pearl | " | 94,016 | 2,570 | - | - | 2,570 |
| Flour and meal | - | - | - | - | - | - |
| Rye, flour and meal | Pound | 4,950 | 100 | 3,900 | 76 | 176 |
| Offal, not otherwise specified | Ton | 7,301 | 70,974 | 75 | 1,500 | 72,474 |
| All other cereal products .. | - | - | 144,699 | - | 8,932 | 153,631 |
| All other products | - | - | 91,718 | - | 9,990 | 101,708 |
| TOTAL | - | - | 10,897,064 | - | 604,362 | 11,501,426 |

THE FLOUR MILLING INDUSTRY IN CANADA, 1936.

Table 1. - Production in Flour Mills by Classes and Provinces, 1936 (Concluded)

| Products | Unit of Measure | Merchant Grinding | | Custom or Exchange Grinding | | Total Selling Value at Mill |
|--------------------------------------|-----------------|-------------------|---------|-----------------------------|--------|-----------------------------|
| | | Quantity | Value | Quantity | Value | |
| <u>BRITISH COLUMBIA</u> | | | | | | |
| Chopped grain feed | Ton | 354 | 10,068 | 441 | 13,316 | 23,384 |
| Wheat flour - | | | | | | |
| Fall or winter | Barrel | 165 | 1,485 | 51 | 463 | 1,948 |
| Spring | " | 50,834 | 363,722 | 446 | 2,167 | 365,889 |
| Low grade or feed | Ton | 3 | 90 | - | - | 90 |
| Shorts and middlings | " | 952 | 31,821 | 11 | 320 | 32,141 |
| Bran | " | 1,020 | 30,299 | 13 | 378 | 30,677 |
| Rye, flour and meal | - | - | - | - | - | - |
| Buckwheat flour | Pound | 2,000 | 108 | - | - | 108 |
| Offal, not otherwise specified | Ton | 10 | 250 | - | - | 250 |
| All other cereal products .. | - | - | 3,982 | - | - | 3,982 |
| All other products | - | - | 15,697 | - | 690 | 16,387 |
| TOTAL | - | - | 45,752 | - | 17,334 | 474,856 |

Table 2. - Materials Used in Flour Mills, by Provinces, 1936.

| Materials | Unit of Measure | C A N A D A | | Prince Edward Island | |
|---|-----------------|-------------|------------|----------------------|--------|
| | | Quantity | Value | Quantity | Value |
| \$ | | | | | |
| Wheat | Bushel | 69,557,391 | 59,756,205 | 81,968 | 70,172 |
| Oats | " | 11,185,693 | 4,355,982 | 35,367 | 14,125 |
| Barley | " | 982,701 | 492,744 | 75 | 37 |
| Rye | " | 190,937 | 98,039 | - | - |
| Corn | " | 1,295,491 | 909,329 | - | - |
| Buckwheat | " | 138,893 | 838,876 | 22 | 11 |
| Peas | " | 20,045 | 20,185 | - | - |
| Mixed grain for chopping . | " | 6,532,175 | 2,942,211 | 12,450 | 5,485 |
| Other grains | " | 53,487 | 19,816 | - | - |
| All other materials | - | - | 565,515 | - | - |
| Cost of containers purchased | - | - | 4,723,394 | - | 700 |
| Cost of materials used in making containers | - | - | 4,946 | - | - |
| TOTAL | - | - | 73,972,242 | - | 90,530 |

THE FLOUR MILLING INDUSTRY IN CANADA, 1936.

Table 2. - Materials Used in Flour Mills, by Provinces, 1936 (Continued)

| Materials | Unit of Measure | Nova Scotia and New Brunswick | |
|---|-----------------|-------------------------------|--------|
| | | Quantity | Value |
| | | | \$ |
| Wheat | Bushel | 40,839 | 40,669 |
| Oats | " | 41,307 | 20,646 |
| Barley | " | 8,027 | 4,015 |
| Rye | " | - | - |
| Corn | " | - | - |
| Buckwheat | " | 21,090 | 12,410 |
| Peas | " | - | - |
| Mixed grain for chopping | " | 7,673 | 3,836 |
| Other grains | " | 500 | 400 |
| All other materials | - | - | - |
| Cost of containers purchased | - | - | - |
| Cost of materials used in making containers | - | - | - |
| TOTAL | - | - | 81,976 |

| Materials | Unit of Measure | Quebec | | Ontario | |
|---|-----------------|-----------|-----------|------------|------------|
| | | Quantity | Value | Quantity | Value |
| | | | \$ | | \$ |
| Wheat | Bushel | 9,330,731 | 8,525,330 | 31,190,327 | 28,108,618 |
| Oats | " | 563,822 | 233,555 | 5,358,534 | 2,228,419 |
| Barley | " | 299,447 | 149,634 | 311,809 | 181,779 |
| Rye | " | 760 | 582 | 184,565 | 94,449 |
| Corn | " | 155,459 | 107,175 | 11,120,397 | 782,843 |
| Buckwheat | " | 92,783 | 56,281 | 24,172 | 14,239 |
| Peas | " | 12,905 | 12,965 | 7,140 | 7,220 |
| Mixed grain for chopping | " | 332,915 | 162,715 | 5,596,337 | 2,528,028 |
| Other grains | " | 6,386 | 4,849 | 14,828 | 8,560 |
| All other materials | - | - | 797 | - | 519,686 |
| Cost of containers purchased | - | - | 21,381 | - | 2,256,435 |
| Cost of materials used in making containers | - | - | - | - | 725 |
| TOTAL | - | - | 9,275,264 | - | 36,731,001 |

THE FLOUR MILLING INDUSTRY IN CANADA, 1936.

Table 2. - Materials Used in Flour Mills, by Provinces, 1936. (Concluded).

| Materials | Unit of Measure | Manitoba | | Saskatchewan | |
|---|-----------------|-----------|------------------|--------------|-------------------|
| | | Quantity | Value | Quantity | Value |
| | | | \$ | | \$ |
| Wheat | Bushel | 7,189,270 | 6,153,355 | 11,976,495 | 9,147,749 |
| Oats | " | 1,149,724 | 443,037 | 2,966,896 | 1,073,087 |
| Barley | " | 132,497 | 67,349 | 67,773 | 29,859 |
| Rye | " | 2,149 | 1,503 | 1,103 | 491 |
| Corn | " | 14,782 | 13,929 | 1,429 | 1,429 |
| Buckwheat | " | 766 | 835 | - | - |
| Peas | - | - | - | - | - |
| Mixed grain for chopping .. | Bushel | 101,829 | 45,651 | 189,626 | 73,935 |
| Other grains | " | 26,122 | 3,938 | 1,202 | 533 |
| All other materials | - | - | 1,325 | - | 4,646 |
| Cost of containers purchased | - | - | 575,920 | - | 1,061,465 |
| Cost of materials used in making containers | - | - | 15 | - | 4,206 |
| TOTAL | - | - | 7,306,857 | - | 11,397,400 |

| Materials | Unit of Measure | Alberta | | British Columbia | |
|---|-----------------|-----------|------------------|------------------|----------------|
| | | Quantity | Value | Quantity | Value |
| | | | \$ | | \$ |
| Wheat | Bushel | 9,501,336 | 7,389,836 | 246,425 | 320,476 |
| Oats | " | 1,044,502 | 333,127 | 25,541 | 9,986 |
| Barley | " | 132,553 | 54,264 | 10,520 | 5,807 |
| Rye | " | 2,157 | 844 | 203 | 170 |
| Corn | " | 3,424 | 3,953 | - | - |
| Buckwheat | " | - | - | 60 | 100 |
| Peas | - | - | - | - | - |
| Mixed grain for chopping .. | Bushel | 291,345 | 122,561 | - | - |
| Other grains | " | 4,449 | 1,536 | - | - |
| All other materials | - | - | 35,031 | - | 4,030 |
| Cost of containers purchased | - | - | 779,627 | - | 27,866 |
| Cost of materials used in making containers | - | - | - | - | - |
| TOTAL | - | - | 8,720,779 | - | 368,435 |

THE FLOUR MILLING INDUSTRY IN CANADA, 1938.

Table 3. - Capital Invested in Flour Mills, 1936.

| Provinces | 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. | |
| | \$ | \$ | \$ | \$ |
| CANADA | 23,909,429 | 18,189,697 | 13,175,964 | 55,275,090 |
| Prince Edward Island . | 60,394 | 1,634 | 2,751 | 64,779 |
| Nova Scotia and New Brunswick | 66,600 | 2,952 | - | 69,552 |
| Quebec | 2,097,063 | 1,353,562 | 2,002,952 | 5,453,577 |
| Ontario | 12,390,955 | 7,263,549 | 1,335,173 | 20,989,677 |
| Manitoba | 2,453,116 | 1,964,103 | 776,174 | 5,193,393 |
| Saskatchewan | 3,451,185 | 4,362,005 | 7,196,344 | 15,009,534 |
| Alberta | 3,271,240 | 3,136,387 | 1,792,811 | 8,200,438 |
| British Columbia | 118,876 | 105,505 | 69,759 | 294,140 |

Table 4. - Employees, Salaries and Wages in Flour Mills, 1936.

| 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. | \$ |
| CANADA ... | 961 | 171 | 1,781,674 | 3,133 | 151 | 3,004,236 | 4,094 | 322 | 4,785,910 |
| Prince Edward Island | 6 | - | 2,116 | 8 | - | 3,855 | 14 | - | 5,971 |
| Nova Scotia and New Brunswick. | 3 | - | 1,800 | 11 | - | 5,660 | 14 | - | 7,460 |
| Quebec | 186 | 19 | 407,274 | 383 | - | 339,665 | 569 | 19 | 746,939 |
| Ontario | 279 | 84 | 538,392 | 1,628 | 117 | 1,606,252 | 1,907 | 201 | 2,144,644 |
| Manitoba | 96 | 12 | 163,621 | 381 | 18 | 336,349 | 477 | 30 | 499,970 |
| Saskatchewan . | 190 | 31 | 335,640 | 293 | 12 | 294,012 | 483 | 43 | 629,652 |
| Alberta | 195 | 25 | 324,075 | 410 | 4 | 399,402 | 605 | 29 | 723,477 |
| British Columbia | 6 | - | 8,756 | 19 | - | 19,041 | 25 | - | 27,797 |

THE FLOUR MILLING INDUSTRY IN CANADA, 1936.

Table 5. - Monthly Employment of Wage-earners, 1935 and 1936.

| Months | In Flour Mills | | | |
|---------------------------------|----------------|--------|---------|--------|
| | 1 9 3 5 | | 1 9 3 6 | |
| | Male | Female | Male | Female |
| | No. | No. | No. | No. |
| January | 2,872 | 125 | 3,006 | 154 |
| February | 2,881 | 134 | 2,977 | 146 |
| March | 2,866 | 115 | 3,051 | 150 |
| April | 2,811 | 119 | 3,063 | 151 |
| May | 2,821 | 135 | 3,043 | 137 |
| June | 2,868 | 130 | 3,059 | 139 |
| July | 2,858 | 131 | 3,164 | 143 |
| August | 2,712 | 129 | 3,129 | 154 |
| September | 3,158 | 156 | 3,243 | 160 |
| October | 3,233 | 173 | 3,257 | 171 |
| November | 3,218 | 175 | 3,234 | 172 |
| December | 3,088 | 147 | 3,119 | 154 |
| TOTAL | 35,386 | 1,669 | 37,345 | 1,811 |
| Average monthly employment | 2,962 | 138 | 3,133 | 151 |

Table 6. - Number of Wage-earners in Months of Highest Employment and Their Regular Hours of Work in 1936.

| Number of Hours Worked per Week | Number of Employees | Number of Hours Worked per Week | Number of Employees |
|---------------------------------|---------------------|---------------------------------|---------------------|
| 40 hours or less | 88 | 51 - 53 hours | 17 |
| 41 - 43 hours | 2 | 54 hours | 243 |
| 44 hours | 544 | 55 hours | 329 |
| 45 - 47 hours | 12 | 56 - 59 hours | 95 |
| 48 hours | 1,482 | 60 hours and over | 803 |
| 49 - 50 hours | 27 | | |

The above table does not include overtime.

THE FLOUR MILLING INDUSTRY IN CANADA, 1936.

Table 7. - Power Equipment, 1936.

| Classes of Power | In Flour Mills | |
|--|-----------------|---|
| | Number of Units | Manufacturers' Rating of Horse-power Capacity |
| Steam engines and steam turbines ... (In use | 62 | 9,062 |
| (Idle | 7 | 1,390 |
| Diesel engines (In use | 37 | 1,773 |
| (Idle | - | - |
| Gasoline, gas and oil engines, other (In use | 72 | 4,051 |
| than diesel (Idle | 7 | 130 |
| Hydraulic turbines or water wheels . (In use | 268 | 16,802 |
| (Idle | 11 | 465 |
| Electric motors operated by (In use | 1,388 | 45,446 |
| purchased power (Idle | 87 | 4,007 |
| TOTAL POWER USED IN MANUFACTURING | 1,939 | 83,126 |
| Electric motors operated by power generated by the establishment | 66 | 1,926 |
| Total Electric Motors | 1,541 | 51,379 |
| TOTAL POWER INSTALLATION | 2,005 | 85,052 |
| Boilers installed (In use | 104 | 11,370 |
| (Idle | 3 | 145 |

Table 8. - Consumption of Fuel and Electricity, 1936.

| Kinds of Fuel | Unit of Measure | In Flour Mills | |
|---|-----------------|----------------|------------------|
| | | Quantity | Cost Value |
| Coal - | Ton | | \$ |
| Bituminous | (2000 Lb.) | 27,977 | 145,362 |
| Anthracite | " | 195 | 1,542 |
| Lignite | " | 19,754 | 68,733 |
| Coke | " | 16 | 154 |
| Gasoline | Imp. Gal. | 12,937 | 2,844 |
| Fuel oil | " " | 142,193 | 16,550 |
| Wood | Cord | 12,459 | 29,846 |
| Gas, manufactured and natural | M cu. ft. | 449,592 | 29,839 |
| All other fuel | - | - | 20,509 |
| TOTAL COST OF FUEL | - | - | 315,379 |
| Cost of electricity purchased | K.W.H. | 101,485,347 | 746,125 |
| TOTAL COST OF FUEL AND ELECTRICITY | - | - | 1,061,504 |

THE FLOUR AND FEED MILLING INDUSTRIES IN CANADA, 1936.

SECTION 3. - FEED AND CHOPPING MILLS IN CANADA, 1936.

Principal Statistics of the Feed and Chopping Mill Industries in Canada for the Years 1931, 1932, 1933, 1934 and 1935.

| Items | 1931 | 1932 | 1933 | 1934 | 1935 |
|---------------------------------|---------------|------------|------------|------------|------------|
| Establishments .. No. | 893 | 896 | 915 | 875 | 743 |
| Capital invested . \$ | 6,108,831 | 5,865,873 | 7,065,073 | 6,801,746 | 6,197,194 |
| Total employees . No. | 1,261 | 1,261 | 1,317 | 1,370 | 1,210 |
| Total salaries and wages | \$ 755,501 | 664,024 | 685,448 | 691,321 | 685,828 |
| Cost of materials used | \$ 12,686,173 | 10,763,345 | 11,578,261 | 12,656,243 | 12,693,050 |
| Gross value of production | \$ 16,136,937 | 13,713,517 | 14,575,475 | 15,575,583 | 15,611,931 |

Principal Statistics of the Feed and Chopping Mills, by Provinces, 1936.

| Provinces | Estab-lish-ments | Capital Invested | Em- ployees | Salaries and Wages | Cost of Materials Used | Gross Value of Production |
|--|------------------|------------------|-------------|--------------------|------------------------|---------------------------|
| | No. | \$ | No. | \$ | \$ | \$ |
| CANADA | 755 | 6,592,197 | 1,269 | 757,035 | 16,641,994 | 20,296,505 |
| Prince Edward Island and Nova Scotia | 9 | 159,117 | 23 | 25,336 | 449,777 | 511,185 |
| New Brunswick .. | 21 | 459,270 | 70 | 61,556 | 505,925 | 595,401 |
| Quebec | 148 | 842,311 | 182 | 74,199 | 1,135,903 | 1,525,741 |
| Ontario | 513 | 4,799,197 | 905 | 546,260 | 13,615,694 | 16,495,456 |
| Manitoba | 7 | 51,019 | 17 | 15,895 | 137,534 | 168,377 |
| Saskatchewan .. | 19 | 50,522 | 24 | 8,030 | 133,344 | 171,520 |
| Alberta | 33 | 119,605 | 38 | 17,389 | 612,183 | 760,388 |
| British Columbia. | 5 | 111,156 | 10 | 8,370 | 51,634 | 68,437 |

FEED AND CHOPPING MILLS IN CANADA, 1936

Table 1. - Production in Feed and Chopping Mills by Classes, Quantity and Value for Canada and the Provinces, 1936.

| Provinces | Chopped Grain Feed | | Other Products | Total |
|---|--------------------|------------|----------------|------------|
| | Quantity | Value | Value | Value |
| | Ton | \$ | \$ | \$ |
| CANADA | 624,102 | 18,014,560 | 2,281,945 | 20,296,505 |
| Prince Edward Island and Nova Scotia | 942 | 30,968 | 480,217 | 511,185 |
| New Brunswick | 4,786 | 167,470 | 427,931 | 595,401 |
| Quebec | 55,359 | 1,510,276 | 15,465 | 1,525,741 |
| Ontario | 521,349 | 15,255,413 | 1,240,043 | 16,495,456 |
| Manitoba | 4,710 | 129,080 | 39,297 | 168,377 |
| Saskatchewan | 5,311 | 149,266 | 22,254 | 171,520 |
| Alberta | 30,572 | 734,675 | 25,713 | 760,388 |
| British Columbia | 1,073 | 37,412 | 31,025 | 68,437 |

Table 2. - Materials Used in Feed and Chopping Mills, 1936.

| Materials | Unit of Measure | C A N A D A | |
|---------------------------|-----------------|-------------|------------|
| | | Quantity | Value |
| | | | \$ |
| Wheat | Bushel | 321,497 | 272,178 |
| Oats | " | 4,601,510 | 1,720,013 |
| Barley | " | 1,157,903 | 620,102 |
| Rye | " | 37,062 | 26,153 |
| Corn | " | 1,354,831 | 985,895 |
| Buckwheat | " | 202,659 | 129,273 |
| Peas | " | 30,027 | 42,863 |
| Mixed grain | " | 26,073,547 | 12,423,798 |
| Other grains | " | 301,666 | 79,416 |
| Cost of containers | - | - | 144,168 |
| All other materials | - | - | 198,135 |
| TOTAL | - | - | 16,641,994 |

FEED AND CHOPPING MILLS IN CANADA, 1936.

Table 3. - Capital Invested in Feed and Chopping Mills in Canada, 1936.

| Provinces | 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. | |
| | ₹ | ₹ | ₹ | ₹ |
| CANADA | 4,857,890 | 893,784 | 840,523 | 6,592,197 |
| Prince Edward Island and Nova Scotia ... | 80,287 | 13,008 | 65,822 | 159,117 |
| New Brunswick | 155,993 | 234,260 | 69,017 | 459,270 |
| Quebec | 720,933 | 54,491 | 66,887 | 842,311 |
| Ontario | 3,675,779 | 559,742 | 563,676 | 4,799,197 |
| Manitoba | 39,866 | 2,432 | 8,721 | 51,019 |
| Saskatchewan | 43,747 | 5,212 | 1,563 | 50,522 |
| Alberta | 92,513 | 8,211 | 18,881 | 119,605 |
| British Columbia ... | 48,772 | 16,428 | 45,956 | 111,156 |

Table 4. - Employees, Salaries and Wages in Feed and Chopping Mills, 1936.

| 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. | ₹ |
| CANADA ... | 572 | 13 | 361,706 | 676 | 8 | 395,329 | 1,248 | 21 | 757,035 |
| Prince Edward Island and Nova Scotia ... | 5 | - | 8,500 | 18 | - | 16,836 | 23 | - | 25,336 |
| New Brunswick .. | 20 | 8 | 21,062 | 42 | - | 40,494 | 62 | 8 | 61,556 |
| Quebec | 111 | - | 49,546 | 71 | - | 24,653 | 182 | - | 74,199 |
| Ontario | 377 | 5 | 248,263 | 515 | 8 | 297,997 | 892 | 13 | 546,260 |
| Manitoba | 8 | - | 9,684 | 9 | - | 6,211 | 17 | - | 15,895 |
| Saskatchewan ... | 15 | - | 4,295 | 9 | - | 3,735 | 24 | - | 8,030 |
| Alberta | 28 | - | 13,416 | 10 | - | 3,973 | 38 | - | 17,389 |
| British Columbia. | 8 | - | 6,940 | 2 | - | 1,430 | 10 | - | 8,370 |

FEED AND CHOPPING MILLS IN CANADA, 1936.

Table 5. - Monthly Employment of Wage-earners, 1935 and 1936.

| Months | In Feed and Chopping Mills | | | |
|-------------------------------|----------------------------|--------|-------|--------|
| | 1935 | | 1936 | |
| | Male | Female | Male | Female |
| | No. | No. | No. | No. |
| January | 578 | 5 | 647 | 7 |
| February | 590 | 5 | 643 | 6 |
| March | 585 | 5 | 652 | 6 |
| April | 548 | 4 | 629 | 7 |
| May | 516 | 4 | 590 | 7 |
| June | 498 | 4 | 576 | 7 |
| July | 504 | 4 | 593 | 7 |
| August | 509 | 4 | 611 | 7 |
| September | 554 | 4 | 657 | 8 |
| October | 595 | 4 | 684 | 8 |
| November | 616 | 4 | 710 | 9 |
| December | 621 | 4 | 723 | 8 |
| TOTAL | 6,714 | 51 | 7,715 | 87 |
| Average monthly employment .. | 599 | 5 | 676 | 8 |

Table 6. - Number of Wage-earners in Months of Highest Employment and Their Regular Hours of Work in 1936.

| Number of Hours Worked per Week | Number of Employees | Number of Hours Worked per Week | Number of Employees |
|---------------------------------|---------------------|---------------------------------|---------------------|
| 40 hours or less ... | 151 | 51 - 53 hours | 13 |
| 41 - 43 hours | 11 | 54 hours | 90 |
| 44 hours | 29 | 55 hours | 20 |
| 45 - 47 hours | 5 | 56 - 59 hours | 48 |
| 48 hours | 115 | 60 hours and over .. | 291 |
| 49 - 50 hours | 12 | | |

The above table does not include overtime.

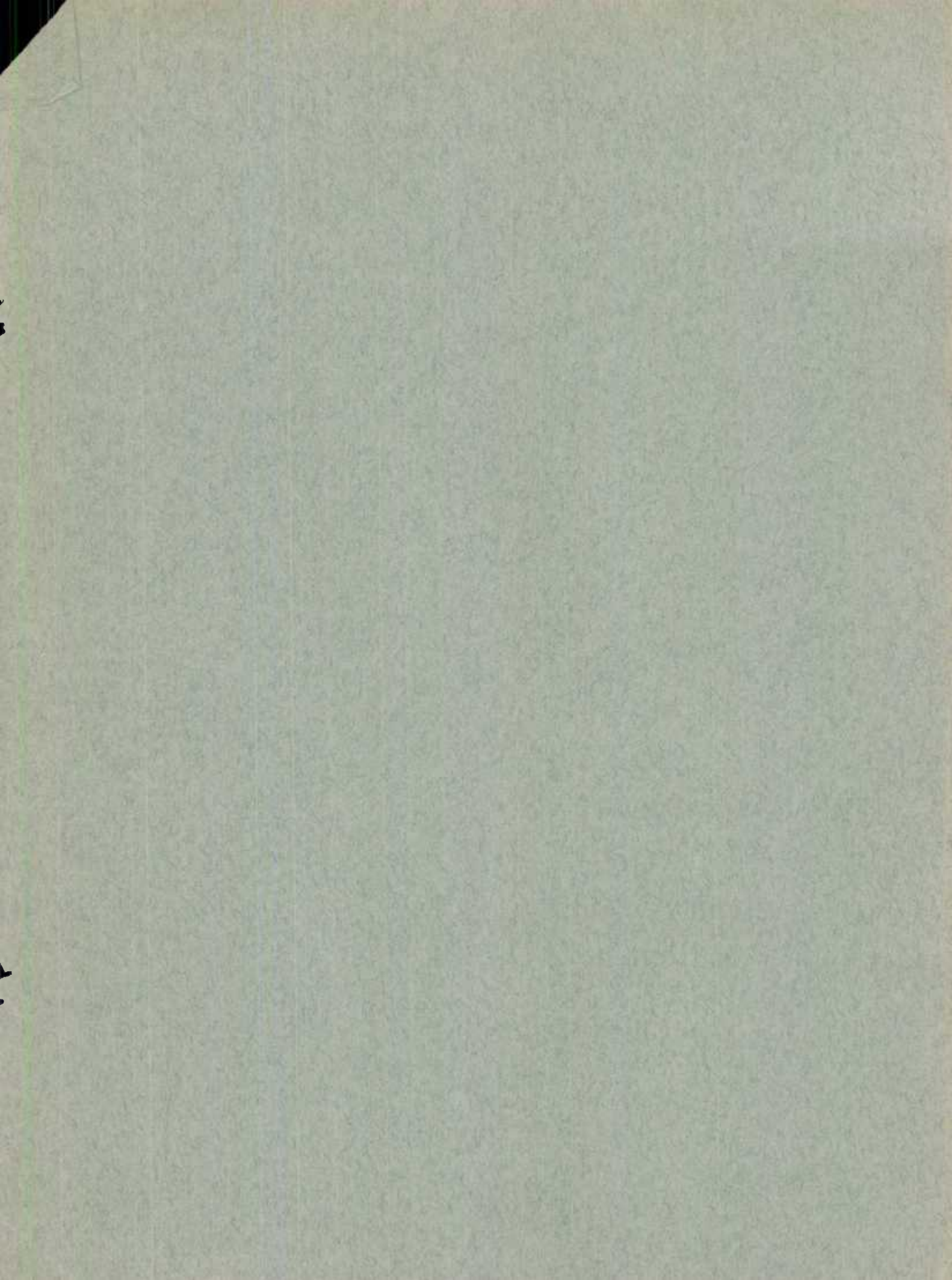
FEED AND CHOPPING MILLS IN CANADA, 1936.

Table 7. - Power Equipment in Feed and Chopping Mills, 1936.

| Classes of Power | | Number of Units | Manufacturers' Rating of Horse-power Capacity |
|--|---------|-----------------|---|
| Steam engines and steam turbines | (In use | 26 | 1,100 |
| | (Idle | 4 | 249 |
| Diesel engines | (In use | 124 | 5,363 |
| | (Idle | 3 | 172 |
| Gasoline, gas and oil engines, other than diesel | (In use | 209 | 6,008 |
| | (Idle | 20 | 535 |
| Hydraulic turbines or water wheels | (In use | 315 | 11,085 |
| | (Idle | 15 | 677 |
| Electric motors operated by purchased power | (In use | 441 | 10,023 |
| | (Idle | 9 | 216 |
| TOTAL POWER USED IN MANUFACTURING | | 1,166 | 35,428 |
| Electric motors operated by power generated by the establishment | | 2 | 35 |
| Total Electric Motors | | 452 | 10,274 |
| TOTAL POWER INSTALLATION | | 1,168 | 35,462 |
| Boilers installed | (In use | 24 | 1,351 |
| | (Idle | 2 | 165 |

Table 8. - Consumption of Fuel and Electricity in Feed and Chopping Mills, 1936.

| Kinds of Fuel | Unit of Measure | Quantity | Total Cost at Mill |
|-------------------------------------|-----------------|-----------|--------------------|
| Coal - | Ton | | \$ |
| Bituminous | (2000 Lb.) | 2,176 | 13,438 |
| Anthracite | " | 462 | 4,891 |
| Lignite | " | 49 | 219 |
| Coke | " | 10 | 123 |
| Gasoline | Imp. Gal. | 121,527 | 25,782 |
| Kerosene or coal oil | " " | 5,952 | 997 |
| Fuel and diesel oil | " " | 378,825 | 41,575 |
| Wood | Cord | 1,591 | 4,673 |
| Gas, manufactured and natural | M cu.ft. | 12,777 | 7,244 |
| Other fuel | - | - | 7,086 |
| TOTAL COST OF FUEL | | - | 106,028 |
| Electricity purchased | K. W. H. | 7,233,834 | 154,661 |
| TOTAL COST OF FUEL AND ELECTRICITY. | | - | 260,689 |



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