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CANADA
DEPARTMENT OF TRADE AND COMMERCE
DOMINION BUREAU OF STATISTICS
CENSUS OF INDUSTRY
GENERAL MANUFACTURES BRANCH

REPORT

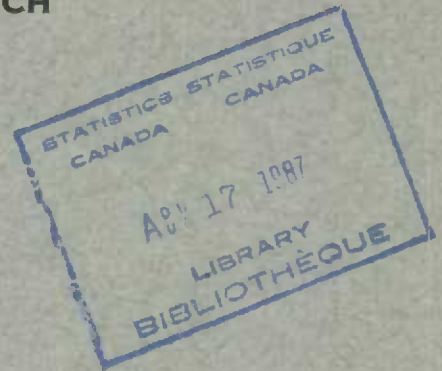
ON THE

FLOUR AND FEED MILLING INDUSTRIES

IN

CANADA

1934



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Section 1. General Summary

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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, 1934

To permit of a closer analysis of the flour and feed milling industries this report has been 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 1934 reveals the fact that notwithstanding a decrease of eighteen in the number of mills reporting there was a marked increase in all items comprising the provincial statistics. These are shown for the Dominion for the years 1921-1934 in table 1(a) and by provinces for the year 1934 in table 1(b).

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 435 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 5,053,732 barrels in 1934, 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 1921-1934

Years	Estab-	Capital	Total	Total	Cost of	Gross Value
	lish-		Em-	Salaries	Materials		of Products
	ments	Invested	ployees	and Wages	Used	
	No.	\$	No.	\$	\$	\$
1921	1,257	61,827,312	7,004	8,311,184	164,582,636	194,772,849
1922	1,364	68,453,886	6,757	7,490,369	136,687,078	166,881,455
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	187,944,731
1926	1,291	58,335,813	6,348	7,222,464	163,905,450	189,580,700
1927	1,315	62,062,013	6,384	7,372,670	163,712,597	191,741,450
1928	1,319	63,514,575	6,556	7,606,674	165,032,821	195,698,124
1929	1,325	67,773,534	6,618	7,578,276	150,806,665	181,148,688
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

THE FLOUR AND FEED MILLING INDUSTRIES IN CANADA, 1934

Table 1(b). - Principal Statistics, by Provinces, 1934.

Items		CANADA	Prince Edward Island	Nova Scotia	New Brunswick	Quebec
Establishments reporting .. No.		1,310	13	12	29	366
Capital invested \$		59,293,426	66,654	179,352	370,115	5,882,376
Salaried Employees -						
Male	No.	1,693	6	6	22	439
Female	No.	175	-	-	7	21
Salaries	\$	2,044,581	2,816	4,021	5,536	477,215
Wage-earners -						
Male	No.	3,608	9	22	46	464
Female	No.	157	-	1	-	1
Wages	\$	3,090,731	4,341	19,431	37,666	385,902
Cost of materials	\$	74,048,243	136,310	435,188	697,655	9,960,272
Gross value of products ...	\$	95,746,183	189,433	506,520	792,496	13,469,339
Value added by manufacture	\$	21,697,940	53,123	71,332	94,841	3,509,067

Items		Ontario	Manitoba	Saskatchewan	Alberta	British Columbia
Establishments reporting	No.	669	42	84	89	6
Capital invested	\$	24,707,339	7,026,199	13,008,182	7,807,585	245,624
Salaried Employees -						
Male	No.	637	105	238	232	8
Female	No.	79	14	31	23	-
Total salaries	\$	714,219	153,275	340,605	327,732	9,162
Wage-earners -						
Male	No.	1,931	383	313	422	18
Female	No.	117	24	9	5	-
Total wages	\$	1,630,964	326,483	277,133	393,956	14,855
Cost of materials	\$	40,716,443	5,878,547	8,168,204	7,745,027	310,597
Gross value of products ..	\$	50,659,130	7,426,855	11,794,973	10,531,197	376,240
Value added by manufacture	\$	9,942,687	1,548,308	3,626,769	2,786,170	65,643

From the foregoing tables it will be noted that the increase in the number of employees was 163, in the salary and wage payments \$27,175 and in the value of production \$12,424,084. The increase in capitalization amounted to \$238,921 and the cost of materials accounted for an additional \$10,750,395.

PRODUCTION. - The total value of all products of the two industries in 1934 amounted to \$95,746,183, of which spring wheat flour was accountable for \$53,601,595. Next in order of importance was chopped grain feed with a total of \$17,987,718, followed by shorts and middlings to the extent of \$5,073,745. Rolled oats take fourth place with \$4,993,788 whilst bran and fall or winter wheat flour occupy fifth and sixth positions with a valuation of \$3,882,617 and \$3,168,231 respectively.

THE FLOUR AND FEED MILLING INDUSTRIES IN CANADA, 1934.

CAPITAL. - The capital employed in these industries represented an investment of \$59,293,426, which was divided as follows: fixed capital, consisting of present value of land, buildings, fixtures, machinery, tools, etc., \$30,725,664 and working capital which comprises inventory value of materials on hand, stocks in process \$9,340,021 inventory value of finished products on hand \$9,054,288 and cash, bills and accounts receivable \$10,173,453.

EMPLOYEES, SALARIES AND WAGES. - The administrative and clerical work in connection with the two industries required the services of 1,693 male and 175 female employees whose total salaries amounted to \$2,044,581. The number of wage-earners employed was 3,608 male and 157 female which necessitated a payroll amounting to \$3,090,731.

COST OF MATERIALS. - The total cost of all materials used in both industries including containers amounted to \$74,048,243. Wheat of all kinds was by far the largest contributor to this sum with \$48,586,969. Mixed grain for chopping takes second place with \$11,286,125. The next largest item of expense was that of oats which accounted for \$5,303,661 whilst containers and container materials occupy fourth position with a total of \$4,903,758.

Quantity and Value of Principal Mill Products in Canada,
1920, 1921, 1925, 1929, 1932, 1933 and 1934.

Products	Unit of Measure	Quantity	Selling Value at Mill \$	Average Value \$
<u>1920</u>				
Wheat flour, all grades	Bbls.	13,658,714	157,806,849	11.55
Oatmeal and rolled oats	"	682,457	7,754,869	11.36
Bran, shorts and middlings ...	Tons	480,141	23,135,973	48.19
Feed, chopped	"	661,310	39,381,047	59.53
<u>1921</u>				
Wheat flour, all grades	Bbls.	15,321,759	136,257,285	8.89
Oatmeal and rolled oats	"	815,740	6,327,214	7.75
Bran, shorts and middlings ...	Tons	617,097	16,897,957	27.39
Feed, chopped	"	706,309	28,079,796	39.77
<u>1925</u>				
Wheat flour, all grades	Bbls.	17,769,071	131,857,785	7.42
Oatmeal and rolled oats	"	734,266	5,574,200	7.59
Bran, shorts and middlings ...	Tons	626,289	16,518,717	26.22
Feed, chopped	"	792,512	27,854,365	35.15
<u>1929</u>				
Wheat flour, all grades	Bbls.	19,756,422	114,552,634	5.80
Oatmeal and rolled oats	"	830,099	6,902,869	8.32
Bran, shorts and middlings ...	Tons	713,744	19,918,668	27.90
Feed, chopped	"	848,698	30,927,336	36.44

THE FLOUR AND FEED MILLING INDUSTRIES IN CANADA, 1934.

Quantity and Value of Principal Mill Products in Canada
1920, 1921, 1925, 1929, 1932, 1933 and 1934. - (Concl'd.)

Products	Unit of Measure	Quantity	Selling Value at Mill	Average Value
			\$	\$
<u>1932</u>				
Wheat flour, all grades	Bbls.	14,866,307	49,373,367	3.32
Oatmeal and rolled oats	"	824,439	5,188,645	6.29
Bran, shorts and middlings	Tons	522,991	7,866,569	15.04
Feed, chopped	"	764,806	16,430,645	21.48
<u>1933</u>				
Wheat flour, all grades	Bbls.	15,227,289	49,284,078	3.24
Oatmeal and rolled oats	"	764,451	4,474,366	5.85
Bran, shorts and middlings	Tons	498,321	6,980,083	14.01
Feed, chopped	"	716,475	17,008,131	23.73
<u>1934</u>				
Wheat flour, all grades	Bbls.	14,807,515	57,120,238	3.86
Oatmeal and rolled oats	"	801,896	5,198,730	6.48
Bran, shorts and middlings	Tons	517,498	8,956,362	17.31
Feed, chopped	"	701,288	17,987,718	25.65

Table 2(a). -- Size of Establishments, 1933 and 1934.

Establishments having a Production of:-	1934			1933		
	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	1,176	17,714,891	15,063	1,205	20,144,636	16,717
\$50,000 to under \$100,000	77	5,339,030	69,336	66	4,322,016	65,485
\$100,000 to under \$200,000	16	2,292,139	143,259	16	2,168,479	135,530
\$200,000 to under \$500,000	15	5,075,287	338,352	19	6,422,459	338,024
\$500,000 to under \$1,000,000	7	4,950,302	707,186	6	4,263,848	710,641
\$1,000,000 to under \$5,000,000	15	37,216,294	2,481,086	13	29,146,378	2,242,029
\$5,000,000 and over	4	23,158,240	5,789,560	3	16,854,283	5,618,094
TOTAL AND AVERAGE	1,310	95,746,183	73,089	1,328	83,322,099	62,743

THE FLOUR AND FEED MILLING INDUSTRIES IN CANADA, 1934.

Table 2(a). - Size of Establishments, 1933 and 1934. - (Concl'd.)

Establishments having a Capital Investment of:	1 9 3 4			1 9 3 3		
	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	1,243	10,018,314	8,059	1,257	6,715,853	5,343
\$50,000 to under \$100,000	27	1,909,229	70,712	29	2,002,426	69,049
\$100,000 to under \$200,000	14	1,930,926	137,923	13	1,808,127	139,087
\$200,000 to under \$500,000	7	2,431,552	347,364	8	2,633,068	329,133
\$500,000 to under \$1,000,000	2)			5	4,162,665	832,533
\$1,000,000 and over	17)	43,003,405	2,263,337	16	41,732,366	2,608,272
TOTAL AND AVERAGE	1,310	59,293,426	45,262	1,328	59,054,505	44,469

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 ..	1,277	2,411	1.8	1,295	2,332	1.8
20 to under 50 employees	13	409	31.5	13	290	30.0
50 to under 100 employees	8	522	65.2	8	508	63.5
100 to under 200 employees	8	1,141	142.6	9	1,293	143.6
200 to under 500 employees	4	1,150	287.5	3	947	315.6
TOTAL AND AVERAGE..	1,310	5,633	4.3	1,328	5,470	4.1

THE FLOUR AND FEED MILLING INDUSTRIES IN CANADA, 1934.

Table 2(b). Daily Capacity of Flour Mills, 1934.
(24 hours per day)

Capacity of mills per day of 24 hours	Number of Mills	Total capacity of the mills in each group		Per cent of total
		Barrels	Average per establishment	
Under 100 barrels	305	11,788	38	11.1
100 to 199 barrels	83	9,685	116	9.1
200 to 299 barrels	13	2,956	227	2.8
300 to 499 barrels	7	2,635	376	2.5
500 to 999 barrels	7	4,850	693	4.6
1,000 to 2,999 barrels	11	20,200	1,836	19.0
3,000 to 4,999 barrels	4	14,250	3,562	13.4
5,000 barrels and over	5	39,815	7,963	37.5
TOTAL AND AVERAGE	435	106,179	244	100.0

Table 3. Production in all Mills, by Classes, 1934.

Products	Unit	Merchant Grinding		Custom or Exchange Grinding		Total Selling Value at Mill
		Quantity	Value	Quantity	Value	
<u>CANADA</u>						
Chopped grain feed ..	Ton	73,075	1,964,008	628,213	16,023,710	17,987,718
Wheat flour -						
Fall or winter	Bbl.	752,004	3,071,887	22,646	96,344	3,168,231
Spring	"	13,478,175	51,736,018	466,349	1,865,577	53,601,595
Blended	"	82,141	323,517	6,200	26,895	350,412
Low grade or feed flour	Ton	21,847	478,457	451	11,182	489,639
Shorts and middlings	"	268,033	4,864,316	11,988	209,429	5,073,745
Bran	"	225,425	3,684,506	12,052	198,111	3,882,617
Oatmeal	Lb.	7,354,147	202,813	46,350	2,129	204,942
Rolled oats	"	136,950,920	4,993,638	10,190	150	4,993,788
Barley -						
Pot and pearl	Lb.	4,399,592	115,582	7,000	210	115,792
Flour and meal	"	3,103,743	36,245	19,900	430	36,675
Rye, flour and meal ..	"	5,829,229	90,389	51,728	1,136	91,525
Corn -						
Flour	Lb.	5,037,224	99,518	5,000	150	99,668
Meal	"	43,167,293	743,466	36,800	556	744,022
Cracked	"	27,490,571	471,985	97,750	2,751	474,736
Buckwheat flour	"	438,554	9,016	2,262,758	47,924	56,940
Offal, not otherwise specified	Ton	77,621	1,081,389	1,283	30,794	1,112,183

THE FLOUR AND FEED MILLING INDUSTRIES IN CANADA, 1934.

Table 3. - Production in all Mills, by Classes, 1934. - (Concl'd.)

Products	Unit	Merchant Grinding		Custom or Exchange Grinding		Total Selling Value at Mill
		Quantity	Value	Quantity	Value	
						\$
All other cereal products (Value only) -	-	-	-	-	-	1,581,522
All other products (Value only)	-	-	-	-	-	1,680,433
TOTAL	-	-	-	-	-	95,746,183

Table 4. - Materials Used in all Mills, 1934.

Materials	Unit of Measure	CANADA	
		Quantity	Value
			\$
Wheat	Bushels	67,882,882	48,586,969
Oats	"	14,203,078	5,303,661
Barley	"	2,002,666	972,379
Rye	"	225,689	121,255
Corn	"	2,173,736	1,724,682
Buckwheat	"	494,535	267,179
Peas	"	58,181	54,645
Mixed grains for chopping	"	26,323,263	11,286,125
Other grains	"	409,953	100,888
Cost of containers purchased	-	-	4,870,990
Cost of materials used in making containers	-	-	32,768
All other materials	-	-	726,702
TOTAL COST OF MATERIALS USED	-	-	74,048,243

THE FLOUR AND FEED MILLING INDUSTRIES IN CANADA, 1934

Table 5. - Capital Invested in all Mills, 1934.

Provinces	Fixed Capital	Working Capital				Total Capital
	Land, buildings, fixtures, machinery, tools, etc.	Materials on hand, Stocks in process, Fuel and Miscellaneous supplies, etc.	Inventory value of finished products on hand	Cash, bills and accounts receivable, Prepaid expenses, etc.		
	\$	\$	\$	\$	\$	
CANADA	30,725,664	9,340,021	9,054,288	10,173,453	59,293,426	
Prince Edward Island	62,094	2,654	142	1,764	66,654	
Nova Scotia	91,867	14,416	5,723	67,346	179,352	
New Brunswick	184,556	107,214	35,242	43,103	370,115	
Quebec	3,296,302	107,298	728,665	1,750,111	5,882,376	
Ontario	16,795,533	4,572,942	1,328,065	2,010,799	24,707,339	
Manitoba	2,592,149	427,091	3,808,370	198,589	7,026,199	
Saskatchewan	3,890,753	2,494,771	1,468,006	5,154,652	13,008,182	
Alberta	3,669,635	1,582,992	1,647,751	907,207	7,807,585	
British Columbia ...	142,775	30,643	32,324	39,882	245,624	

Table 6. - Employees, Salaries and Wages, all Mills, 1934.

Provinces	Employees on Salaries			Employees on Wages			Total Employees, Salaries and Wages		
	Male	Female	Total Salaries	Male	Female	Total Wages	Male	Female	Salaries & Wages
	No.	No.	\$	No.	No.	\$	No.	No.	\$
CANADA	1,693	175	2,044,581	3,608	157	3,090,731	5,301	332	5,135,312
Prince Edward Id	6	-	2,816	9	-	4,341	15	-	7,157
Nova Scotia	6	-	4,021	22	1	19,431	28	1	23,452
New Brunswick ...	22	7	15,536	46	-	37,666	68	7	53,202
Quebec	439	21	477,215	464	1	385,902	903	22	863,117
Ontario	637	79	714,219	1,931	117	1,630,964	2,568	196	2,345,183
Manitoba	105	14	153,275	383	24	326,483	488	38	479,758
Saskatchewan	238	31	340,605	313	9	277,133	551	40	617,738
Alberta	232	23	327,732	422	5	23,956	654	28	721,688
British Columbia	8	-	9,162	18	-	14,855	26	-	24,017

THE FLOUR AND FEED MILLING INDUSTRIES IN CANADA, 1934.

Table 7. - Power Equipment in all Mills, 1934.

Classes of Power	Number of Units	Horse power according to manufacturers' rating
Steam engines	136	13,468
Diesel engines	177	7,425
Gasoline, gas and oil engines other than diesel	297	10,054
Hydraulic turbines or water wheels	774	34,108
Electric motors operated by purchased power	1,856	58,387
TOTAL POWER USED IN MANUFACTURING...	3,240	123,442
Electric motors operated by power generated by the establishment	85	2,904
Boilers	176	15,493

Table 8. - Fuel and Electricity Used in all Mills, 1934.

Classes of Fuel	Unit of Measure	Quantity	Total Cost at Mill
			\$
Bituminous coal	Short Ton	36,271	181,105
Anthracite coal	" "	481	5,202
Lignite coal	" "	15,173	55,172
Coke	" "	206	1,232
Gasoline	Imp. Gal.	85,102	19,549
Kerosene or coal oil	" "	18,311	4,197
Fuel and diesel oil	" "	515,668	59,381
Wood	Cord	20,494	50,422
Gas, manufactured and natural	M cu. ft.	394,768	30,153
Other fuel	"	"	20,930
Electricity purchased	"	"	881,643
TOTAL COST OF FUEL AND ELECTRICITY			1,308,986

THE FLOUR AND FEED MILLING INDUSTRIES IN CANADA, 1934.

Table 9. -- Imports of Milled Products and Grains by Quantity and Value, 1933 and 1934.

Articles Imported	Unit of Measure	1 9 3 4		1 9 3 3	
		Quantity	Value	Quantity	Value
			\$		\$
Milled Products --					
Wheat flour	Bbl.	178,175	596,511	44,685	175,525
Buckwheat meal and flour	Cwt.	440	1,434	274	1,057
Cornmeal	Bbl.	19,439	74,922	24,296	68,935
Malt flour	Lb.	35,811	2,313	62,842	2,963
Rye flour	Bbl.	994	3,519	916	2,794
Oatmeal and rolled oats	Lb.	294,984	15,810	287,782	16,122
Barley, pot and pearl	"	131,966	9,713	139,231	11,934
Peas, split	"	339,926	13,705	527,138	18,337
Hominy, cracked, ground, etc.	-	--	152,396	-	119,559
Rice and cassava flour, etc.	Lb.	93,219	6,197	129,015	6,986
Sago and tapioca flour	"	2,262,926	44,806	2,262,171	40,416
Bran and mill feed ...	Cwt.	28,754	35,069	19,608	20,818
Cereal food in packages	Lb.	534,166	67,594	559,053	70,345
Cereal foods, n.o.p.	-	-	54,543	-	34,168
Semolina	Bbl.	663	4,528	1,578	9,472
TOTAL MILLED PRODUCTS -	-	-	1,083,060	-	599,431
Grains --					
Wheat	Bush.	4,663	3,836	16,359	12,180
Oats	"	3,746	2,503	604,169	122,861
Barley	"	1,691	1,079	696	959
Corn for all purposes	"	8,327,121	4,864,812	5,508,298	2,582,404
Buckwheat	"	64	139	28	50
Peas, n.o.p.	Lb.	2,814,558	184,851	2,096,422	137,481
Rye	Bush.	17,724	16,317	20	31
Beans	Lb.	1,679,006	79,183	1,875,155	84,484
TOTAL GRAINS	-	-	5,152,720	-	2,940,450

THE FLOUR AND FEED MILLING INDUSTRIES IN CANADA, 1934.

Table 10. - Exports of Milled Products and Grains by Quantity and Value
1933 and 1934.

Articles Exported	Unit of Measure	1934		1933	
		Quantity	Value \$	Quantity	Value \$
Milled Products -					
Wheat flour	Bbl.	5,053,732	18,377,483	5,570,424	19,016,758
Oatmeal and rolled oats	Cwt.	553,719	2,220,341	489,890	1,716,897
Bran, shorts and middlings	"	2,322,988	2,318,281	2,879,514	2,166,586
Malt	Bush.	3,316,244	3,241,433	2,937,829	2,365,858
Peas, split	"	8,399	15,653	5,000	8,848
Screenings	Cwt.	1,242,053	672,068	831,601	141,667
Cornmeal	Bbl.	42,948	132,300	39,302	109,198
Rice, meal and flour	Lb.	3,457	461	231,070	1,583
All other meals ..	Bbl.	115	428	384	1,190
Cereal foods, prepared, all kinds	--	-	3,226,576	-	2,853,801
TOTAL MILLED PRODUCTS		-	30,205,024	-	28,382,386
Grains -					
Wheat	Bush.	167,913,055	131,157,717	192,274,861	122,687,686
Oats	"	11,426,443	4,240,097	6,018,389	1,696,699
Barley	"	11,406,837	7,718,157	2,011,278	761,735
Corn	"	3,559	2,565	3,732	2,764
Rye	"	719,878	453,020	2,864,681	1,543,969
Buckwheat	"	278,507	157,887	770,723	355,105
Peas, whole	"	31,664	87,605	59,899	116,837
Beans	"	61,211	74,804	19,274	21,712
TOTAL GRAINS		-	143,891,852	-	127,186,507

THE FLOUR MILLING INDUSTRY IN CANADA, 1934.

SECTION 2. - FLOUR MILLS, 1934.

Principal Statistics of the Flour Mills for the Years
1925, 1930, 1931, 1932 and 1933.

	1925	1930	1931	1932	1933
Establishments ... No.	445	383	372	394	413
Capital invested \$	55,011,056	56,264,148	55,050,361	52,417,339	51,989,432
Total employees .. No.	5,119	4,673	4,410	4,325	4,153
Total salaries and wages	\$ 6,504,691	5,885,224	5,276,688	4,912,371	4,422,689
Cost of materials \$	147,069,973	102,823,717	59,085,624	52,414,311	51,719,587
Gross value of products	\$ 168,037,899	124,504,524	79,591,603	71,035,283	68,746,624

Principal Statistics of the Flour Mills, by Provinces, 1934.

Provinces	Estab-lish-ments No.	Capital Invested \$	Total Em-ployees No.	Total Salaries and Wages \$	Cost of Materials Used \$	Gross Value of Products \$
CANADA	435	52,491,680	4,263	4,443,991	61,392,000	80,170,600
Prince Edward Island	11	62,872	13	6,681	125,960	176,663
Nova Scotia and New Brunswick)	11	97,995	17	9,743	118,710	152,244
Quebec	119	4,660,897	620	754,296	8,513,244	11,414,765
Ontario	136	19,884,250	1,879	1,865,671	31,139,052	39,116,195
Manitoba	32	6,934,029	509	471,653	5,736,617	7,228,947
Saskatchewan .	65	12,979,976	561	610,235	8,082,690	11,687,485
Alberta	55	7,626,037	638	701,695	7,365,130	10,018,061
British Columbia (x)	6	245,624	26	24,017	310,597	376,240

(x) Includes 2 feed and chopping mills.

THE FLOUR MILLING INDUSTRY IN CANADA, 1934.

Table 1. - Production in Flour Mills by Classes and the Provinces, 1934.

Products	Unit	Merchant Grinding		Custom or Exchange Grinding		Total Selling Value at Mill
		Quantity	Value	Quantity	Value	
			\$		\$	\$
<u>CANADA</u>						
Chopped grain feed	Ton	36,140	921,649	141,551	3,500,046	4,421,695
Wheat flour -						
Fall or winter	Bbl.	752,004	3,071,887	22,646	96,344	3,168,231
Spring	"	13,478,175	51,736,018	466,349	1,865,577	53,601,595
Blended	"	82,141	323,517	6,200	26,895	350,412
Low grade or feed	Ton	21,847	478,457	451	11,182	489,639
Shorts and middlings	"	267,433	4,848,240	11,988	209,429	5,057,669
Bran	"	225,425	3,684,506	12,052	198,111	3,882,617
Oatmeal	Lb.	6,281,851	178,115	46,350	2,129	180,244
Rolled oats	"	127,725,920	4,754,052	-	-	4,754,052
Barley -						
Pot and pearl ...	Lb.	3,008,254	81,418	7,000	210	81,628
Flour and meal ..	"	2,306,817	28,077	18,300	382	28,459
Rye, flour and meal	"	5,810,229	90,010	49,328	1,091	91,101
Corn -						
Flour	Lb.	4,021,552	75,681	5,000	150	75,831
Meal	"	13,232,040	214,752	800	16	214,768
Cracked	"	7,750,903	149,671	-	-	149,671
Buckwheat flour ...	"	384,806	8,313	1,354,500	27,104	35,417
Offal, not other -						
wise specified ...	Ton	67,094	979,331	626	13,484	992,815
All other cereal products (value only)		-	-	-	-	1,517,641
All other products (value only)		-	-	-	-	1,077,115
TOTAL						80,170,600

Prince Edward Island

Chopped grain feed	Ton	21	575	1,424	31,595	32,170
Wheat flour -						
Fall or winter ...	Bbl.	-	-	-	-	-
Spring	"	1,020	4,587	22,179	104,152	108,739
Blended	"	-	-	-	-	-
Low grade or feed	Ton	2	60	70	2,065	2,125
Shorts and middlings	"	25	747	512	14,650	15,397
Bran	"	27	687	655	17,075	17,762
Oatmeal	Lb.	3,000	105	9,500	325	430
Rolled oats	"	-	-	-	-	-
Barley -						
Pot and pearl	Lb.	-	-	-	-	-
Flour and meal ..	"	-	-	-	-	-
Rye, flour and meal	"	-	-	-	-	-

THE FLOUR MILLING INDUSTRY IN CANADA, 1934.

Table 1. - Production in Flour Mills by Classes, Canada and the Provinces, 1934 - (Cont'd.)

Products	Unit	Merchant Grinding		Custom or Exchange Grinding		Total Selling Value at Mill
		Quantity	Value	Quantity	Value	
			\$		\$	\$
<u>Quebec</u>						
Chopped grain feed	Ton	5,066	139,661	28,005	742,528	882,189
Wheat flour -						
Fall or winter ...	Bbl.	50	225	1,798	8,428	8,653
Spring	"	2,105,851	8,478,415	24,709	102,931	8,581,346
Blended	"	-	-	1,480	5,725	5,725
Low grade or feed ..	Ton	9,008	247,594	-	-	247,594
Shorts and middlings	"	40,686	888,374	557	9,128	897,502
Bran	"	32,924	643,050	532	8,733	651,783
Oatmeal	Lb.	-	-	-	-	-
Rolled oats	"	-	-	-	-	-
Barley -						
Pot and pearl	Lb.	153,076	4,299	7,000	210	4,509
Flour and meal ...	"	1,256,800	15,278	18,300	382	15,660
Rye, flour and meal	"	-	-	10,000	200	200
Corn -						
Flour	"	977,060	21,315	5,000	150	21,465
Meal	"	1,202,950	22,497	-	-	22,497
Cracked	"	1,390,326	24,860	-	-	24,860
Buckwheat flour ...	"	16,300	326	549,420	10,074	10,400
Offal, not otherwise specified	Ton	815	16,285	269	4,820	21,105
All other cereal products (value only)-		-	-	-	-	-
All other products (value only)		-	-	-	-	19,277
TOTAL						11,414,765
<u>Ontario</u>						
Chopped grain feed	Ton	22,049	570,805	91,583	2,287,571	2,858,376
Wheat flour -						
Fall or winter ..	Bbl.	708,197	2,890,955	2,471	10,413	2,901,368
Spring	"	6,062,081	22,516,721	8,434	37,789	22,554,510
Blended	"	48,076	202,322	640	2,600	204,922
Low grade or feed ..	Ton	6,444	109,285	12	385	109,670
Shorts and middlings	"	131,542	2,596,239	298	7,556	2,603,795
Bran	"	101,919	1,889,338	232	5,333	1,894,671
Oatmeal	Lb.	-	-	-	-	-
Rolled oats	"	58,987,502	2,671,282	-	-	2,671,282
Barley -						
Pot and pearl ...	Lb.	1,797,986	43,294	-	-	43,294
Flour and meal ...	"	1,050,017	12,799	-	-	12,799
Rye, flour and meal	"	5,608,751	84,337	7,998	190	84,527
Corn -						
Flour	"	3,044,492	54,366	-	-	54,366

THE FLOUR MILLING INDUSTRY IN CANADA, 1934.

Table 1. - Production in Flour Mills by Classes, Canada and the Provinces, 1934. - (Cont'd.)

Products	Unit	Merchant Grinding		Custom or Exchange Grinding		Total Selling Value at Mill
		Quantity	Value	Quantity	Value	
<u>Saskatchewan</u>						
Chopped grain feed	. Ton	886	16,849	5,332	124,742	141,591
Wheat flour -						
Fall or winter	... Bbl.	31,835	128,416	11,650	46,801	175,217
Spring	... "	1,904,990	7,902,858	141,949	567,981	8,470,839
Blended	... "	19,471	75,470	-	-	75,470
Low grade or feed	.. Ton	765	14,208	137	3,395	17,603
Shorts and middlings	"	36,937	484,449	3,908	63,188	547,637
Bran	... "	37,504	433,406	3,489	54,198	487,604
Oatmeal	... Lb.	888,310	27,156	-	-	27,156
Rolled oats	... "	41,868,714	1,424,394	-	-	1,424,394
Barley -						
Pot and pearl	.... Lb.	488,100	17,404	-	-	17,404
Flour and meal	... "	-	-	-	-	-
Rye, flour and meal	"	18,498	351	330	7	358
Corn -						
Flour	... Lb.	-	-	-	-	-
Meal	... "	-	-	-	-	-
Cracked	... "	-	-	-	-	-
Buckwheat flour	... "	-	-	-	-	-
Offal, not otherwise specified	... Ton	21,365	248,689	-	-	248,689
All other cereal products (value only)	... "	-	-	-	-	35,831
All other products (value only)	... "	-	-	-	-	17,692
TOTAL	... "	-	-	-	-	11,687,485
<u>Alberta</u>						
Chopped grain feed	. Ton	3,154	68,929	11,922	233,515	302,444
Wheat flour -						
Fall or winter	... Bbl.	11,922	52,291	4,837	21,252	73,543
Spring	... "	1,890,297	7,311,723	156,171	617,626	7,929,349
Blended	... "	14,594	45,725	650	2,610	48,335
Low grade or feed	... Ton	5,498	104,405	153	3,328	107,733
Shorts and middlings	"	31,632	440,318	3,828	58,870	499,138
Bran	... "	32,316	414,010	4,137	57,630	471,640
Oatmeal	... Lb.	4,151,667	124,550	-	-	124,550
Rolled oats	... "	9,572,604	259,082	-	-	259,082
Barley -						
Pot and pearl	.... "	96,928	3,668	-	-	3,668
Flour and meal	... "	-	-	-	-	-
Rye, flour and meal	"	14,980	282	15,600	314	596

THE FLOUR MILLING INDUSTRY IN CANADA, 1934.

Table 1. - Production in Flour Mills by Classes, Canada and the Provinces, 1934. - (Cont'd.)

Products	Unit	Merchant Grinding		Custom or Exchange Grinding		Total Selling Value at Mill
		Quantity	Value	Quantity	Value	
			\$		\$	\$
<u>Alberta - (Concl'd.)</u>						
Corn -						
Flour	Lb.	..	..	..	..	..
Meal .....	"	..	..	..	..	..
Cracked .....	"	..	..	..	..	..
Buckwheat flour .....	"	..	..	..	..	..
Offal, not otherwise specified	Ton	7,186	59,249	2	38	59,287
All other cereal products (value only) ..	..	..	..	..	..	126,998
All other products (value only) .....	..	..	..	..	..	11,648
TOTAL .....	..	..	..	..	..	10,018,061
<u>British Columbia ^x</u>						
Chopped grain feed	Ton	367	8,810	447	11,191	20,001
Wheat flour -						
Fall or winter	Bbl.	..	..	..	..	..
Spring	"	56,428	270,063	991	4,876	274,939
Low grade or feed	Ton	1	37	..	..	37
Shorts and middlings ...	"	857	17,801	27	647	18,448
Bran	"	1,295	25,925	23	545	26,470
Oatmeal	Lb.	..	..	..	..	..
Rye flour and meal	"	168,000	5,040	..	..	5,040
Offal, not otherwise specified	Ton	34	900	..	..	900
All other cereal products (value only) ..	..	..	..	..	..	20,458
All other products (value only) .....	..	..	..	..	..	9,947
TOTAL .....	..	..	..	..	..	376,240

^x To prevent disclosure of the operations of individual establishments, the statistics relating to 2 feed and chopping mills are included in this table.

THE FLOUR MILLING INDUSTRY IN CANADA, 1934.

Table 2. - Materials Used in Flour Mills, by Provinces, 1934.

Materials	Unit	CANADA		Prince Edward Island	
		Quantity	Value	Quantity	Value
			\$		\$
Wheat	Bush.	67,705,309	48,454,462	120,868	100,683
Oats	"	9,785,082	3,658,615	38,332	11,582
Barley	"	907,993	442,454	75	30
Rye	"	182,778	99,706	"	"
Corn	"	1,039,477	793,161	"	"
Buckwheat	"	206,846	114,912	20	8
Peas	"	11,727	13,637	"	"
Mixed grain for chopping	"	5,657,305	2,383,181	41,600	13,357
Other grains	"	100,313	16,456	"	"
All other materials (value only) ..	"	"	613,697	"	"
Cost of containers purchased	"	"	4,769,051	"	300
Cost of materials used in making containers	"	"	32,668	"	"
TOTAL			61,392,000		125,960

Materials	Unit	Nova Scotia and New Brunswick	
		Quantity	Value
			\$
Wheat	Bush.	80,536	71,288
Oats	"	14,290	6,280
Barley	"	6,416	3,245
Rye	"	300	275
Corn	"	100	90
Buckwheat	"	46,695	25,381
Peas	"	100	100
Mixed grain for chopping ..	"	27,833	11,656
Other grains	"	"	"
All other materials (value only)	"	"	350
Cost of containers purchased ..	"	"	45
Cost of materials used in making containers	"	"	"
TOTAL			118,710

THE FLOUR MILLING INDUSTRY IN CANADA, 1934.

Table 2. - Materials Used in Flour Mills, by Provinces, 1934.-(Cont'd.)

Materials	Unit	Quebec		Ontario	
		Quantity	Value	Quantity	Value
			\$		\$
Wheat	Bush.	9,706,206	7,372,010	30,823,605	23,672,321
Oats	"	784,146	279,937	4,336,249	1,828,644
Barley	"	174,379	94,004	440,767	231,711
Rye	"	2,945	2,409	169,640	84,827
Corn	"	190,920	137,353	825,320	634,293
Buckwheat	"	132,059	75,107	27,381	14,073
Peas	"	4,820	5,695	6,807	7,842
Mixed grain for chopping ..	"	454,163	187,142	4,538,062	1,948,406
Other grains	"	809	242	39,454	9,522
All other materials (value only)	--	--	669	--	596,166
Cost of containers purchased -	--	--	358,676	--	2,110,079
Cost of materials used in making containers	--	--	--	--	1,168
TOTAL	--	--	8,513,244	--	31,139,052

Materials	Unit	Manitoba		Saskatchewan	
		Quantity	Value	Quantity	Value
			\$		\$
Wheat	Bush.	6,918,996	4,719,097	10,005,124	6,172,069
Oats	"	1,015,866	358,929	2,517,090	840,910
Barley	"	87,270	39,387	59,729	27,421
Rye	"	2,344	1,020	620	4,758
Corn	"	19,383	17,838	--	--
Buckwheat	"	691	343	--	--
Peas	"	--	--	--	--
Mixed grain for chopping ..	"	96,774	35,470	173,015	64,817
Other grains	"	53,182	5,318	2,291	311
All other materials (value only)	--	--	178	--	6,804
Cost of containers purchased -	--	--	559,008	--	955,971
Cost of materials used in making containers	--	--	29	--	9,629
TOTAL	--	--	5,736,617	--	8,082,690

THE FLOUR MILLING INDUSTRY IN CANADA, 1934.

Table 2. - Materials Used in Flour Mills, by Provinces, 1934. (concl'd.)

Materials	Unit	Alberta		British Columbia ^x	
		Quantity	Value	Quantity	Value
			\$		\$
Wheat	Bush.	9,768,245	6,084,127	281,729	262,867
Oats	"	1,050,605	323,622	28,504	8,711
Barley	"	130,518	42,843	8,839	3,813
Rye	"	2,176	907	4,753	5,510
Corn	"	3,754	3,587	-	-
Buckwheat	"	-	-	-	-
Peas	"	-	-	-	-
Mixed grain for chopping	"	325,853	122,333	-	-
Other grains	"	4,577	1,063	-	-
All other materials (value only)			6,910	-	2,620
Cost of containers purchased			757,896	-	27,076
Cost of materials used in making containers ..			21,842	-	-
TOTAL			7,365,130		310,597

x To prevent disclosure of the operations of individual establishments the statistics relating to 2 feed and chopping mills are included in this table.

Table 3. - Capital Invested in Flour Mills, 1934.

Provinces	Fixed Capital	Working Capital			Total Capital
	Land, buildings, machinery, and tools, etc.	Materials on hand, Stocks in process, Fuel and Miscellaneous supplies, etc.	Inventory value of finished products on hand	Cash, bills and accounts receivable, Prepaid expenses, etc.	
	\$	\$	\$	\$	\$
CANADA	25,548,362	8,820,659	8,822,490	9,300,169	52,491,680
Prince E.I.	58,494	2,534	80	1,764	62,872
Nova Scotia) New Brunswick)	90,900	5,995	500	600	97,995
Quebec	2,246,473	38,757	700,361	1,675,306	4,660,897
Ontario	13,055,950	4,257,197	1,180,700	1,390,403	19,884,250
Manitoba	2,538,749	419,271	3,795,566	180,443	6,934,029
Saskatchewan	3,865,117	2,494,226	1,467,746	5,152,887	12,979,976
Alberta	3,549,904	1,572,038	1,645,213	858,884	7,626,037
* British Columbia	142,775	30,643	32,324	39,882	245,624

x Includes statistics of 2 feed mills to prevent disclosure of information concerning individual establishments.

THE FLOUR MILLING INDUSTRY IN CANADA, 1934.

Table 4. - Employees, Salaries and Wages in Flour Mills, 1934.

Provinces	Employees on Salaries			Employees on Wages			Total Employees, Salaries and Wages		
	Male	Female	Total	Male	Female	Total	Male	Female	Salaries
			Salaries			Wages			and Wages
No.	No.	\$	No.	No.	\$	No.	No.	\$	
CANADA	990	161	1,688,070	2,963	149	2,755,921	3,953	310	4,443,991
Prince Edward Island	4	-	2,340	9	-	4,341	13	-	6,681
Nova Scotia) New Brunswick)	3	-	1,700	14	-	8,043	17	-	9,743
Quebec	226	20	399,090	373	1	355,206	599	21	754,296
Ontario	1,367	73	475,771	1,463	110	1,389,900	1,696	183	1,865,671
Manitoba	97	14	150,965	374	24	320,688	471	38	471,653
Saskatchewan	220	31	336,655	301	9	273,580	521	40	610,235
Alberta	199	23	312,387	411	5	389,308	610	28	701,695
British Columbia ^x	8	-	9,162	18	-	14,855	26	-	24,017

^x Includes statistics of 2 feed mills to prevent disclosure of information concerning individual establishments.

THE FLOUR MILLING INDUSTRY IN CANADA, 1934.

Table 5. - Monthly Employment of Wage-earners, 1933 and 1934.

Months	In Flour Mills			
	1933		1934	
	Males	Females	Males	Females
	No.	No.	No.	No.
January	2,729	134	2,802	149
February	2,658	141	2,873	146
March	2,813	137	2,882	146
April	2,740	139	2,887	133
May	2,852	128	2,913	145
June	2,860	132	2,911	142
July	2,892	133	2,905	135
August	2,319	154	2,921	136
September	3,005	157	3,022	157
October	3,166	162	3,140	162
November	3,182	173	3,173	161
December	2,958	145	2,959	146
TOTAL ††.....	34,674	1,735	35,388	1,758
Average monthly employment	2,893	147	2,963	149

Table 6. - Number of Wage-earners in Month of Highest Employment and Their Regular Hours of Work in 1934.

Number of Hours Worked per Week	Number of Employees	Number of Hours Worked per Week	Number of Employees
40 hours or less	114	51-53 hours	21
41-43 hours	7	54 hours	453
44 hours	158	55 hours	294
45-47 hours	31	56-59 hours	197
48 hours	821	60 hours	1,087
49-50 hours	62	Over 60 hours	261

The above table does not include overtime.

THE FLOUR MILLING INDUSTRY IN CANADA, 1934.

Table 7. - Power Equipment, 1934.

Classes of Power	In Flour Mills, 1934	
	Number of Units	Horse-power according to manufacturing
Steam engines and steam turbines	88	11,283
Diesel engines	39	1,685
Gasoline, gas and oil engines other than diesel	79	4,238
Hydraulic turbines or water wheels	320	18,597
Electric motors operated by purchased power	1,413	48,056
TOTAL POWER USED IN MANUFACTURING	1,939	83,859
Electric motors operated by power generated in the establishment	82	2,866
Total Electric Motors	1,495	50,922
TOTAL POWER INSTALLATION	2,021	86,725
Boilers installed	126	12,791

Table 8 . Fuel Consumption, 1934

Classes of Fuel	Unit of Measure	In Flour Mills,	
		Quantity	Value
			\$
Coal ..	Ton		
Bituminous	(2000 Lbs.)	33,593	163,354
Anthracite	"	81	1,175
Lignite	"	15,120	54,962
Coke	"	190	1,020
Gasoline	Gallon	13,965	3,512
Fuel oil	"	195,384	26,268
Wood	Cord	18,135	43,930
Gas, manufactured and natural	M cu. ft.	385,588	25,086
All other fuel	"		15,603
TOTAL COST OF FUEL			334,910
Cost of Electricity Purchased	Kw. H.	90,601,279	725,267

FEED AND CHOPPING MILLS IN CANADA, 1934.

SECTION 3. FEED AND CHOPPING MILLS, 1934.

Principal Statistics of the Feed and Chopping Mill Industries in Canada for the Years 1925, 1930, 1931, 1932 and 1933.

Items	1925	1930	1931	1932	1933
Establishments No.	855	894	893	896	915
Capital invested \$	5,093,202	6,352,859	6,018,831	5,865,873	7,065,073
Total employees No.	1,047	1,250	1,261	1,261	1,317
Total salaries and wages \$	685,331	793,889	755,501	664,024	685,448
Cost of materials used \$	16,094,695	16,853,969	12,686,173	10,763,345	11,578,261
Gross value of products \$	19,906,832	20,351,422	16,136,937	13,713,517	14,575,475

Principal Statistics of the Feed and Chopping Mills, by Provinces, 1934.

Provinces	Estab-lish-ments No.	Capital Invested \$	Total Em-ployees No.	Total Salaries and Wages \$	Cost of Materials Used \$	Gross Value of Products \$
CANADA	875	6,801,746	1,370	691,321	12,656,243	15,575,583
Prince Edward Island) and Nova Scotia)	12	166,834	29	22,688	438,463	507,867
New Brunswick	20	288,420	60	44,699	586,020	651,675
Quebec	247	1,221,479	305	108,821	1,447,028	2,054,574
Ontario	533	4,823,089	885	479,512	9,577,391	11,542,935
Manitoba	10	92,170	17	8,105	141,930	197,908
Saskatchewan	19	28,206	30	7,503	85,514	107,488
Alberta	34	181,548	44	19,993	379,897	513,136
British Columbia	(x)	(x)	(x)	(x)	(x)	(x)

(x) Less than three establishments. Included with "flour and grist mills".

FEED AND CHOPPING MILLS IN CANADA, 1934.

Table 1. - Production in Feed and Chopping Mills by Classes, Quantity and Value for Canada and the Provinces, 1934.

Provinces	Chopped Grain Feed		Other Products	TOTAL
	Quantity	Value	Value	Value
	Ton	\$	\$	\$
<u>1 9 3 4</u>				
CANADA	523,597	13,566,023	2,009,560	15,575,583
Prince Edward Island and				
Nova Scotia	3,532	115,619	392,248	507,867
New Brunswick	4,958	192,903	458,772	651,675
Quebec	72,330	1,867,895	186,679	2,054,574
Ontario	405,434	10,639,549	903,386	11,542,935
Manitoba	6,708	164,120	33,788	197,908
Saskatchewan	4,421	100,120	7,368	107,488
Alberta	26,214	485,817	27,319	513,136
British Columbia	(x)	(x)	(x)	(x)

(x) 2 establishments only. Included in table 1 of the Flour Milling Industry.

Table 2. - Materials Used in Feed and Chopping Mills, 1934.

Materials	Unit of Measure	C A N A D A	
		Quantity	Value
			\$
Wheat	Bushels	177,573	132,507
Oats	"	4,417,996	1,645,046
Barley	"	1,094,673	529,925
Rye	"	42,911	21,549
Corn	"	1,134,259	931,521
Buckwheat	"	287,689	152,267
Peas	"	46,454	41,008
Mixed grain	"	20,685,958	8,902,944
Other grains	"	309,640	84,432
Cost of containers	(value only)	-	101,939
All other materials	" "	-	113,105
TOTAL	-	-	12,656,243

FEED AND CHOPPING MILLS IN CANADA, 1934.

Table 3. - Capital Invested in Feed and Chopping Mills, 1934.

Provinces	Fixed Capital	Working Capital			Total
	Land, buildings, fixtures, machinery, tools, etc.	Materials on hand, Stocks in process, Fuel and Miscellaneous supplies, etc.	Inventory value of finished products on hand	Cash, bills and accounts receivable, Prepaid expenses, etc.	
	\$	\$	\$	\$	\$
CANADA	5,177,302	519,362	231,798	873,284	6,801,746
Prince Edward Island and Nova Scotia	79,167	14,536	5,785	67,346	166,834
New Brunswick	109,956	101,219	34,742	42,503	288,420
Quebec	1,049,829	68,541	28,304	74,805	1,221,479
Ontario	3,739,583	315,745	147,365	620,396	4,823,089
Manitoba	53,400	7,820	12,804	18,146	92,170
Saskatchewan	25,636	545	260	1,765	28,206
Alberta	119,731	10,956	2,538	48,323	181,548
British Columbia	(x)	(x)	(x)	(x)	(x)

(x) Two establishments only. Included in table 3 of the Flour Milling Industry.

FEED AND CHOPPING MILLS IN CANADA, 1934.

Table 4. -- Employees, Salaries and Wages in Feed and Chopping Mills, 1934.

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	703	14	356,511	645	8	334,810	1,348	22	691,321
Prince Edward Island and Nova Scotia	7	-	4,097	21	1	18,591	28	1	22,688
New Brunswick	20	7	14,236	33	-	30,463	53	7	44,699
Quebec	213	1	78,125	91	-	30,696	304	1	108,821
Ontario	404	6	238,448	468	7	241,064	872	13	479,512
Manitoba	8	-	2,310	9	-	5,795	17	-	8,105
Saskatchewan	18	-	3,950	12	-	3,553	30	-	7,503
Alberta	33	-	15,345	11	-	4,648	44	-	19,993
British Columbia	(x)	(x)	(x)	(x)	(x)	(x)	(x)	(x)	(x)

(x) Two establishments only. Included in table 4 of the Flour Milling Industry.

FEED AND CHOPPING MILLS IN CANADA, 1934.

Table 5. - Monthly Employment of Wage-earners, 1933 and 1934.

Months	In Feed and Chopping Mills, 1933 and 1934			
	1934		1933	
	Males No.	Females No.	Males No.	Females No.
January	604	7	505	7
February	625	7	500	7
March	636	7	508	6
April	599	7	503	7
May	553	7	475	7
June	527	7	452	6
July	542	8	463	6
August	549	8	469	6
September	597	8	531	7
October	625	8	555	6
November	638	8	571	6
December	639	8	573	6
TOTAL	7,134	90	6,103	77
Average monthly employment ...	645	8	546	7

Table 6. - Number of Wage-earners in Month of Highest Employment and Their Regular Hours of Work in 1934.

Number of Hours Worked per Week	Number of Employees	Number of Hours Worked per Week	Number of Employees
40 hours or less	158	51-53 hours	10
41-43 hours	13	54 hours	79
44 hours	2	55 hours	35
45-47 hours	6	56-59 hours	18
48 hours	84	60 hours	314
49-50 hours	16	Over 60 hours	9

The above table does not include overtime.

FEED AND CHOPPING MILLS IN CANADA, 1934.

Table 7. - Power Equipment in Feed and Chopping Mills, 1934

Classes of Power	Number of Units	Horse-power according to Manufacturers' Rating
Steam engines and steam turbines	48	2,185
Diesel engines	138	5,740
Gasoline, gas and oil engines other than diesel	218	5,816
Hydraulic turbines or water wheels	454	15,511
Electric motors operated by purchased power	443	10,331
TOTAL POWER USED IN MANUFACTURING ...	1,301	39,583
Electric motors operated by power generated at the mill	3	38
Total Electric Motors	446	10,369
Boiler installation	50	2,702

Table 8. - Fuel Consumption in Feed and Chopping Mills, 1934.

Classes of Fuel	Unit of Measure	Quantity	Total Cost at Mill
			\$
Coal -	Ton		
Bituminous	(2000 Lbs.)	2,678	17,751
Anthracite	"	400	4,027
Lignite	"	53	210
Coke	"	10	212
Gasoline	Imp. Gal.	72,137	16,037
Kerosene or coal oil	" "	5,377	962
Fuel and diesel oil	" "	333,218	36,348
Wood	Cord	2,359	6,492
Gas, manufactured and natural	M cu. ft.	9,180	5,067
Other fuel			5,327
TOTAL COST OF FUEL			92,433
Cost of Electricity Purchased	Kw. H.	6,167,234	156,376

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