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W. H. H. H.

CANADA
DEPARTMENT OF TRADE AND COMMERCE
DOMINION BUREAU OF STATISTICS
CENSUS OF INDUSTRY

REPORT
ON THE
FLOUR AND FEED MILLING INDUSTRIES
IN
CANADA
1933



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1935

Section 1. General Summary

" 2. Flour and grist mills

" 3. Feed and chopping mills

MILLION
DOLLARS

FLOUR AND GRIST MILL INDUSTRY

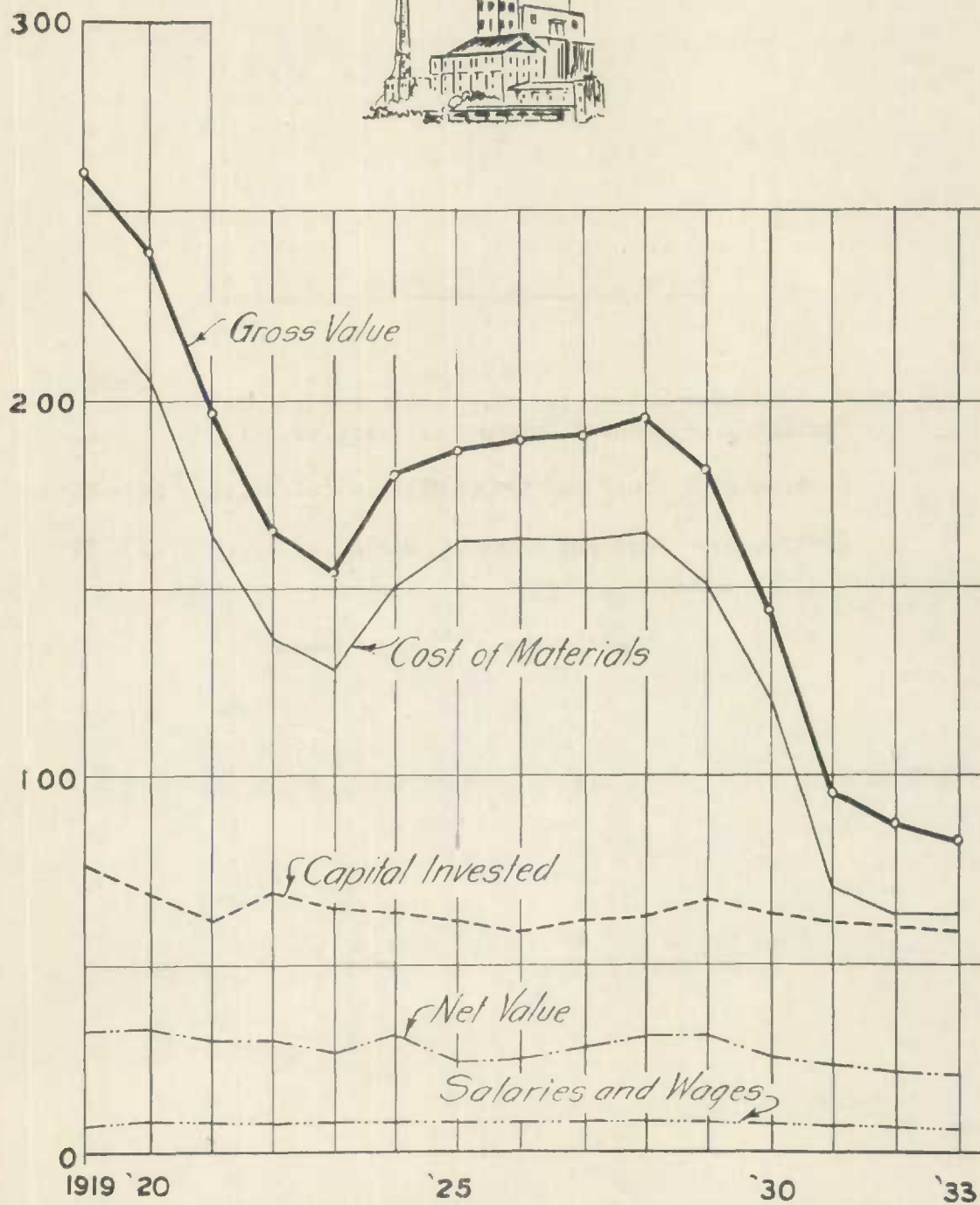


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DEPARTMENT OF TRADE AND COMMERCE
DOMINION BUREAU OF STATISTICS
GENERAL MANUFACTURES BRANCH
OTTAWA - CANADA

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THE FLOUR AND FEED MILLING INDUSTRIES IN CANADA, 1933.

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 1933 reveals the fact that notwithstanding an increase of thirty-eight in the number of mills reporting there was still a downward tendency applicable to number of employees, salaries and wages and value of products. The principal statistics are shown for the Dominion for the years 1920-1933 in table 1(a) and by provinces for the year 1933 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 413 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 5,570,424 barrels in 1933, 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 1920-1933.

Years	Estab-	Capital	Total	Total	Cost of	Gross Value
	lish-		Em-	Salaries	Materials	
	ments	Invested	ployees	and Wages	Used	
	No.	\$	No.	\$	\$	\$
1920	1,332	68,838,927	7,085	8,571,504	205,746,546	239,255,461
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	189,580,741
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	165,032,821	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

THE FLOUR AND FEED MILLING INDUSTRIES IN CANADA, 1933.

Table 1(b). - Principal Statistics, by Provinces, 1933.

Items	CANADA	Prince Edward Island	Nova Scotia	New Brunswick	Quebec
Establishments reporting.. No.	1,328	12	15	33	376
Capital invested \$	59,054,505	67,510	208,195	309,408	6,279,196
Salaried Employees -					
Male No.	1,698	7	9	22	466
Female No.	179	-	-	4	23
Salaries \$	2,043,470	2,346	5,940	12,936	484,774
Wage-earners -					
Male No.	3,439	7	22	39	437
Female No.	154	-	1	-	-
Wages \$	3,064,667	3,695	17,954	30,920	362,748
Cost of materials \$	63,297,848	122,256	367,310	593,368	8,659,665
Gross value of products .. \$	83,322,099	160,919	425,093	686,236	12,086,631
Value added by manufacture \$	20,024,251	38,663	57,783	92,868	3,426,966

Items	Ontario	Manitoba	Saskatchewan	Alberta	British Columbia
Establishments reporting.. No.	690	42	73	81	6
Capital invested \$	26,513,707	5,540,604	12,010,457	7,870,081	255,347
Salaried Employees -					
Male No.	687	110	192	198	7
Female No.	82	15	28	27	-
Total salaries \$	773,162	163,546	306,273	286,096	8,397
Wage-earners -					
Male No.	1,856	369	281	414	14
Female No.	118	23	9	3	-
Total wages \$	1,645,132	318,464	277,765	393,504	14,485
Cost of materials \$	35,797,961	5,052,370	6,427,873	5,960,549	316,496
Gross value of products .. \$	45,155,373	6,484,525	9,601,993	8,358,555	362,774
Value added by manufacture \$	9,357,412	1,432,155	3,174,120	2,398,006	46,278

From the foregoing tables it will be noted that the decrease in the number of employees was 116, in the salary and wage payments \$468,258 and in the value of production \$1,426,701. The increase in capitalization amounted to \$771,293 and the cost of materials accounted for an additional \$120,192.

PRODUCTION. - The total value of all products of the two industries in 1933 amounted to \$83,322,099, of which spring wheat flour was accountable for \$41,222,066. Next in order of importance was chopped grain feed with a total of \$17,008,131, followed by fall or winter wheat flour to the extent of \$7,724,706. Rolled oats take fourth place with \$4,282,902 whilst shorts and middlings and bran occupy fifth and sixth positions with a valuation of \$4,138,032 and \$2,842,051 respectively.

THE FLOUR AND FEED MILLING INDUSTRIES IN CANADA, 1933.

CAPITAL. - The capital employed in these industries represented an investment of \$59,054,505, which was divided as follows: fixed capital, consisting of present value of land, buildings, fixtures, machinery, tools, etc., \$33,273,228 and working capital which comprises inventory value of materials on hand, stocks in process \$9,304,222, inventory value of finished products on hand \$6,425,097 and cash, bills and accounts receivable \$10,051,958.

EMPLOYEES, SALARIES AND WAGES. - The administrative and clerical work in connection with the two industries required the services of 1,698 male and 179 female employees whose total salaries amounted to \$2,043,470. The number of wage-earners employed was 3,439 male and 154 female which necessitated a payroll amounting to \$3,064,667.

COST OF MATERIALS. - The total cost of all materials used in both industries including containers amounted to \$63,297,848. Wheat of all kinds was by far the largest contributor to this sum with \$40,544,679. Mixed grain for chopping takes second place with \$10,806,658. The next largest item of expense was that of containers of all kinds which accounted for \$4,941,263, whilst oats occupy fourth position with a total of \$4,210,234.

Quantity and Value of Principal Mill Products in Canada,
1920, 1921, 1925, 1929, 1931, 1932 and 1933.

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, 1933.

Quantity and Value of Principal Mill Products in Canada
1920, 1921, 1925, 1929, 1931, 1932 and 1933. - (Concl'd.)

Products	Unit of Measure	Quantity	Selling Value	Average
			at Mill	Value
			\$	\$
<u>1931</u>				
Wheat flour, all grades	Bbls.	14,887,998	56,596,846	3.80
Oatmeal and rolled oats	"	915,583	5,636,734	6.21
Bran, shorts and middlings	Tons	527,205	7,904,894	14.99
Feed, chopped	"	861,497	20,491,265	23.79
<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

Table 2(a). - Size of Establishments, 1932 and 1933.

Establishments having a Production of: -	1932			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	1,186	18,379,558	15,497	1,205	20,144,636	16,717
\$50,000 to under \$100,000	49	3,244,737	66,219	66	4,322,016	65,485
\$100,000 to under \$200,000	17	2,327,119	136,889	16	2,168,479	135,530
\$200,000 to under \$500,000	14	4,607,415	329,101	19	6,422,459	338,024
\$500,000 to under \$1,000,000	11	8,458,150	768,922	6	4,263,848	710,641
\$1,000,000 to under \$5,000,000	10	29,513,085	2,951,308	13	29,146,378	2,242,029
\$5,000,000 and over ..	3	18,218,736	6,072,912	3	16,854,283	5,618,094
TOTAL AND AVERAGE	1,290	84,748,800	65,697	1,328	83,322,099	62,743

THE FLOUR AND FEED MILLING INDUSTRIES IN CANADA, 1933.

Table 2(a). - Size of Establishments, 1932 and 1933. - (Concl'd.)

Establishments having a Capital Investment of: -	1932			1933		
	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	1,216	8,400,338	6,908	1,257	6,715,853	5,343
\$50,000 to under \$100,000	30	2,048,228	68,274	29	2,002,426	69,049
\$100,000 to under \$200,000	14	1,971,358	140,811	13	1,808,127	139,087
\$200,000 to under \$500,000	7	2,043,721	291,960	8	2,633,068	329,133
\$500,000 to under \$1,000,000	6	4,464,979	744,163	5	4,162,665	832,533
\$1,000,000 and over ...	17	39,354,588	2,314,976	16	41,732,366	2,608,272
TOTAL AND AVERAGE ...	1,290	58,283,212	45,181	1,328	59,054,505	44,469

Establishments having an Average Employment of: -	1932			1933		
	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 ...	1,258	2,366	1.8	1,295	2,332	1.8
20 to under 50 employees	11	378	34.3	13	390	30.0
50 to under 100 employees	8	521	65.1	8	508	63.5
100 to under 200 employees	9	1,170	130.0	9	1,293	143.6
200 to under 500 employees	4	1,151	287.7	3	947	315.6
TOTAL AND AVERAGE ..	1,290	5,586	4.3	1,328	5,470	4.1

THE FLOUR AND FEED MILLING INDUSTRIES IN CANADA, 1933.

Table 2(b). - Daily Capacity of Flour Mills, 1933.
(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	290	11,942	41	11.3
100 to 199 barrels	78	9,160	117	8.7
200 to 299 barrels	10	2,266	227	2.1
300 to 499 barrels	7	2,650	379	2.5
500 to 999 barrels	8	5,350	669	5.1
1,000 to 2,999 barrels	11	20,100	1,827	19.1
3,000 to 4,999 barrels	4	14,250	3,562	13.5
5,000 barrels and over	5	39,815	7,963	37.7
TOTAL AND AVERAGE	413	105,533	256	100.0

Table 3. - Production in all Mills, by Classes, 1933.

Products	Unit	Merchant Grinding		Custom or Exchange Grinding		Total Selling Value at Mill
		Quantity	Value	Quantity	Value	
			\$		\$	\$
<u>CANADA</u>						
Chopped grain feed ..	Ton	65,079	1,551,688	651,396	15,456,443	17,008,131
Wheat flour -						
Fall or winter ...	Bbl.	2,471,178	7,614,512	30,670	110,194	7,724,706
Spring	"	12,140,149	39,501,518	490,450	1,720,548	41,222,066
Blended	"	74,833	257,070	20,009	80,236	337,306
Low grade or feed						
flour	Ton	43,758	850,889	803	14,652	865,541
Shorts and middlings.	"	272,143	3,960,478	12,373	177,554	4,138,032
Bran	"	201,588	2,676,574	12,217	165,477	2,842,051
Oatmeal	Lb.	6,988,628	187,103	165,900	4,361	191,464
Rolled oats	"	130,824,824	4,279,627	206,000	3,275	4,282,902
Barley -						
Pot and pearl	Lb.	3,930,885	106,673	13,200	267	106,940
Flour and meal ...	"	2,631,902	30,551	23,000	287	30,838
Rye, flour and meal .	"	4,807,181	79,635	61,235	1,024	80,659
Corn -						
Flour	Lb.	3,943,154	70,768	22,600	388	71,156
Meal	"	51,818,039	677,223	34,000	485	677,708
Cracked	"	29,270,692	410,972	59,980	712	411,684
Buckwheat flour	"	384,696	9,181	2,467,010	56,049	65,230
Offal, not otherwise specified	Ton	71,965	694,831	1,685	34,479	729,310

THE FLOUR AND FEED MILLING INDUSTRIES IN CANADA, 1933.

Table 3. - Production in all Mills, by Classes, 1933. - (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)	-	-	-	-	-	1,130,420
All other products (Value only)	-	-	-	-	-	1,405,955
TOTAL	-	-	-	-	-	83,322,099

Table 4. - Materials Used in all Mills, 1933.

Materials	Unit of Measure	C A N A D A	
		Quantity	Value
			\$
Wheat	Bushels	69,129,984	40,544,679
Oats	"	13,869,487	4,210,234
Barley	"	1,674,736	671,430
Rye	"	181,204	90,455
Corn	"	2,180,041	1,364,296
Buckwheat	"	466,832	238,337
Peas	"	49,555	49,532
Mixed grains for chopping	"	27,773,416	10,806,658
Other grains	"	290,567	72,535
Cost of containers purchased	-	-	4,941,265
Cost of materials used in making containers	-	-	14,721
All other materials	-	-	293,710
TOTAL COST OF MATERIALS USED	-	-	63,297,848

THE FLOUR AND FEED MILLING INDUSTRIES IN CANADA, 1933.

Table 5. - Capital Invested in all Mills, 1933.

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	33,273,228	9,304,222	6,425,097	10,051,958	59,054,505
Prince Edward Island	57,800	3,620	1,110	5,480	67,510
Nova Scotia	119,887	20,247	6,724	61,337	208,195
New Brunswick	206,286	35,786	18,205	49,131	309,408
Quebec	3,390,752	92,577	1,077,071	1,718,796	6,279,196
Ontario	18,922,667	4,141,721	1,519,972	1,929,347	26,513,707
Manitoba	2,734,427	1,537,544	1,020,261	248,372	5,540,604
Saskatchewan	3,990,136	2,412,853	1,406,821	4,200,647	12,010,457
Alberta	3,709,108	1,029,724	1,352,230	1,779,019	7,870,081
British Columbia ...	142,665	30,150	22,703	59,829	255,347

Table 6. - Employees, Salaries and Wages, all Mills, 1933.

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.			\$
CANADA	1,698	179	2,043,470	3,439	154	3,064,667	5,137	333	5,108,137
Prince Edward Island	7	-	2,346	7	-	3,695	14	-	6,041
Nova Scotia	9	-	5,940	22	1	17,954	31	1	23,894
New Brunswick	22	4	12,936	39	-	30,920	61	4	43,856
Quebec	466	23	484,774	437	-	362,748	903	23	847,522
Ontario	687	82	773,162	1,856	118	1,645,132	2,543	200	2,418,294
Manitoba	110	15	163,546	369	23	318,464	479	38	482,010
Saskatchewan	192	28	306,273	281	9	277,765	473	37	584,038
Alberta	198	27	286,096	414	3	393,504	612	30	679,600
British Columbia ...	7	-	8,397	14	-	14,485	21	-	22,882

THE FLOUR AND FEED MILLING INDUSTRIES IN CANADA, 1933.

Table 7. - Power Equipment in all Mills, 1933.

Classes of Power	Number of Units	Horse-power according to manufacturers' rating
Steam engines	146	14,047
Diesel engines	165	6,767
Gasoline, gas and oil engines other than diesel	273	9,625
Hydraulic turbines or water wheels	791	34,066
Electric motors operated by purchased power	1,825	58,890
TOTAL POWER USED IN MANUFACTURING	3,200	123,395
Electric motors operated by power generated by the establishment	84	2,911
Boilers	201	17,167

Table 8. - Fuel and Electricity Used in all Mills, 1933.

Classes of Fuel	Unit of Measure	Quantity	Total Cost at Mill
			\$
Bituminous coal	Short Ton	31,499	163,829
Anthracite coal	" "	799	4,022
Lignite coal	" "	14,068	52,977
Coke	" "	56	644
Gasoline	Imp. Gal.	69,136	15,771
Kerosene or coal oil	" "	23,633	4,081
Fuel and diesel oil	" "	470,939	53,844
Wood	Cord	19,343	46,775
Gas, manufactured and natural	M cu. ft.	426,688	31,605
Other fuel	-	-	23,056
Electricity purchased	-	-	883,855
TOTAL COST OF FUEL AND ELECTRICITY	-	-	1,280,459

THE FLOUR AND FEED MILLING INDUSTRIES IN CANADA, 1933.

Table 9. - Imports of Milled Products and Grains by Quantity and Value, 1932 and 1933.

Articles Imported	Unit of Measure	1 9 3 2		1 9 3 3	
		Quantity	Value \$	Quantity	Value \$
Milled Products -					
Wheat flour	Bbl.	16,498	57,011	44,685	175,525
Buckwheat meal and flour	Cwt.	252	1,073	274	1,057
Cornmeal	Bbl.	27,656	71,919	24,296	68,935
Malt flour	Lb.	77,166	6,514	62,842	2,963
Rye flour	Bbl.	1,157	3,098	916	2,794
Oatmeal and rolled oats	Lb.	226,519	13,748	287,782	16,122
Barley, pot and pearl .	"	63,600	13,516	139,231	11,934
Peas, split	"	821,837	27,244	527,138	18,337
Hominy, cracked, ground, etc.	-	-	145,456	-	119,559
Rice and cassava flour, etc.	Lb.	82,220	6,385	129,015	6,986
Sago and tapioca flour	"	1,469,850	28,456	2,262,171	40,416
Bran and mill feed	Cwt.	23,049	22,519	19,608	20,818
Cereal food in packages	Lb.	740,070	95,999	559,053	70,345
Cereal foods, n.o.p. ..	-	-	47,931	-	34,168
Semolina	Bbl.	40	656	1,578	9,472
TOTAL MILLED PRODUCTS	-	-	541,525	-	599,431
Grains -					
Wheat	Bush.	90,994	59,106	16,359	12,180
Oats	"	1,754,447	375,848	604,169	122,861
Barley	"	2,233	3,021	696	959
Corn for all purposes .	"	7,214,446	2,823,860	5,508,298	2,582,404
Buckwheat	"	142	328	28	50
Peas, n.o.p.	Lb.	1,391,631	66,267	2,096,422	137,481
Rye	Bush.	-	-	20	31
Beans	Lb.	1,821,982	87,169	1,875,155	84,484
TOTAL GRAINS	-	-	3,415,599	-	2,940,450

THE FLOUR AND FEED MILLING INDUSTRIES IN CANADA, 1933.

Table 10. - Exports of Milled Products and Grains by Quantity and Value, 1932 and 1933.

Articles Exported	Unit of Measure	1932		1933	
		Quantity	Value	Quantity	Value
			\$		\$
Milled Products -					
Wheat flour	Bbl.	5,131,781	17,182,775	5,570,424	19,016,758
Oatmeal and rolled oats ...	Cwt.	606,105	2,066,940	489,890	1,716,897
Bran, shorts and middlings	"	1,891,819	1,417,182	2,897,514	2,166,586
Malt	Bush.	1,743,019	1,357,702	2,937,829	2,365,858
Peas, split ...	"	3,785	5,833	5,000	8,848
Screenings	Cwt.	406,759	73,548	831,601	141,667
Cornmeal	Bbl.	27,908	70,405	39,302	109,198
Rice, meal and flour	Lb.	4,616	676	231,070	1,583
All other meals.	Bbl.	3,549	10,371	384	1,190
Cereal foods, prepared, all kinds	-	-	2,253,442	-	2,853,801
TOTAL MILLED PRODUCTS		-	24,438,874	-	28,382,386
Grains -					
Wheat	Bush.	228,219,755	128,385,733	192,274,861	122,687,686
Oats	"	15,437,074	4,979,433	6,018,389	1,696,699
Barley	"	9,992,745	4,451,278	2,011,278	761,735
Corn	"	49,121	29,690	3,732	2,764
Rye	"	8,900,434	4,410,441	2,864,681	1,543,969
Buckwheat	"	674,575	266,163	770,723	355,105
Peas, whole	"	60,659	119,482	59,899	116,837
Beans	"	57,407	46,714	19,274	21,712
TOTAL GRAINS.		-	142,688,934	-	127,186,507

THE FLOUR AND FEED MILLING INDUSTRIES IN CANADA, 1933.

SECTION 2. - FLOUR AND GRIST MILLS, 1933.

Principal Statistics of the Flour and Grist Mills for the Years
1925, 1929, 1930, 1931 and 1932.

	1925	1929	1930	1931	1932
Establishments ... No.	455	409	383	372	394
Capital invested . \$	55,011,056	61,215,205	56,264,148	55,050,361	52,417,339
Total employees .. No.	5,119	5,308	4,673	4,410	4,325
Total salaries and wages	\$ 6,504,691	6,714,960	5,885,224	5,276,688	4,912,371
Cost of materials. \$	147,069,973	130,437,426	102,823,717	59,085,624	52,414,311
Gross value of products	\$ 168,037,899	157,274,329	124,504,524	79,591,603	71,035,283

Principal Statistics of the Flour and Grist Mills, by Provinces, 1933.

Provinces	Estab-lish-ments	Capital Invested	Total Em- ployees	Total Salaries and Wages	Cost of Materials Used	Gross Value of Products
	No.	\$	No.	\$	\$	\$
CANADA ...	413	51,989,432	4,153	4,422,689	51,719,587	68,746,624
Prince Edward Island	10	64,010	12	5,681	113,974	150,979
Nova Scotia .	3	17,300	3	950	11,835	17,740
New Brunswick	10	70,235	16	7,989	102,566	128,528
Quebec	107	4,959,333	617	745,188	7,215,314	10,175,275
Ontario	139	21,482,361	1,887	1,921,278	26,896,022	33,984,476
Manitoba	32	5,446,825	503	476,511	4,953,661	6,357,472
Saskatchewan.	57	11,985,311	493	580,467	6,381,495	9,539,294
Alberta	49	7,708,710	601	661,743	5,728,224	8,030,086
British Columbia (x) .	6	255,347	21	22,882	316,496	362,774

(x) Includes 2 feed and chopping mills.

THE FLOUR AND FEED MILLING INDUSTRIES IN CANADA, 1933.

Table 1. - Production in Flour and Grist Mills by Classes and the Provinces, 1933.

Products	Unit	Merchant Grinding		Custom or Exchange Grinding		Total Selling Value at Mill
		Quantity	Value	Quantity	Value	
<u>CANADA</u>						
Chopped grain feed	Ton	32,391	758,389	142,895	3,288,629	4,047,018
Wheat flour -						
Fall or winter	Bbl.	2,471,178	7,614,512	30,670	110,194	7,724,706
Spring	"	12,140,149	39,501,518	490,450	1,720,548	41,222,066
Blended	"	74,833	257,070	20,009	80,236	337,306
Low grade or feed	Ton	43,758	850,889	803	14,652	865,541
Shorts and middlings	"	271,801	3,952,585	12,373	177,554	4,130,139
Bran	"	201,588	2,676,574	12,217	165,477	2,842,051
Oatmeal	Lb.	6,702,042	181,258	165,900	4,361	185,619
Rolled oats	"	124,166,114	4,128,679	-	-	4,128,679
Barley -						
Pot and pearl	Lb.	2,941,556	80,906	-	-	80,906
Flour and meal	"	2,364,802	26,091	23,000	287	26,378
Rye, flour and meal	"	4,696,381	78,268	61,235	1,024	79,292
Corn -						
Flour	Lb.	3,168,846	57,428	11,600	168	57,596
Meal	"	17,387,037	234,574	-	-	234,574
Cracked	"	6,416,544	102,875	-	-	102,875
Buckwheat flour	"	268,760	5,765	972,030	21,431	27,196
Offal, not other-						
wise specified	Ton	67,653	654,431	662	13,559	667,990
All other cereal products (value only)		-	-	-	-	1,083,970
All other products (value only)		-	-	-	-	902,722
TOTAL						68,746,624

Prince Edward Island

Chopped grain feed	Ton	23	501	1,362	32,490	32,991
Wheat flour -						
Fall or winter	Bbl.	-	-	-	-	-
Spring	"	320	1,600	19,080	86,999	88,599
Blended	"	-	-	-	-	-
Low grade or feed	Ton	2	60	46	1,370	1,430
Shorts and middlings	"	6	150	421	11,194	11,344
Bran	"	20	600	479	11,843	12,443
Oatmeal	Lb.	28,000	790	43,000	1,315	2,105
Rolled oats	"	-	-	-	-	-
Barley -						
Pot and pearl	Lb.	-	-	-	-	-
Flour and meal	"	-	-	-	-	-
Rye, flour and meal	"	-	-	-	-	-

THE FLOUR AND FEED MILLING INDUSTRIES IN CANADA, 1933.

Table 1. - Production in Flour and Grist Mills by Classes, Canada and the Provinces, 1933. - (Cont'd.)

Products	Unit	Merchant Grinding		Custom or Exchange Grinding		Total Selling Value at Mill
		Quantity	Value	Quantity	Value	
			\$		\$	\$
<u>New Brunswick</u>						
Chopped grain feed	Ton	400	8,800	686	15,859	24,659
Wheat flour -						
Fall or winter	Bbl.	-	-	1,000	4,000	4,000
Spring	"	1,260	5,040	10,829	41,844	46,884
Blended	"	-	-	2,460	9,840	9,840
Low grade or feed	Ton	-	-	-	-	-
Shorts and middlings ...	"	32	768	316	7,338	8,106
Bran	"	31	744	329	7,431	8,175
Oatmeal	Lb.	-	-	-	-	-
Rolled oats	"	-	-	-	-	-
Barley -						
Pot and pearl	Lb.	-	-	-	-	-
Flour and meal	"	-	-	-	-	-
Rye, flour and meal	"	-	-	-	-	-
Corn -						
Flour	Lb.	-	-	-	-	-
Meal	"	-	-	-	-	-
Cracked	"	-	-	-	-	-
Buckwheat flour	"	100,000	2,000	634,112	13,740	15,740
Offal, not otherwise specified	Ton	65	1,495	404	9,629	11,124
All other cereal products (value only) .	-	-	-	-	-	-
All other products (value only)	-	-	-	-	-	-
TOTAL	-	-	-	-	-	128,528
<u>Quebec</u>						
Chopped grain feed	Ton	5,637	143,296	23,601	605,147	748,443
Wheat flour -						
Fall or winter	Bbl.	-	-	1,497	6,142	6,142
Spring	"	2,194,330	7,544,832	18,439	75,957	7,620,789
Blended	"	1,850	7,400	16,555	66,600	74,000
Low grade or feed	Ton	7,914	203,523	-	-	203,523
Shorts and middlings ...	"	42,887	796,287	951	16,859	813,146
Bran	"	33,753	609,603	883	15,644	625,247
Oatmeal	Lb.	-	-	68,000	850	850
Rolled oats	"	-	-	-	-	-
Barley -						
Pot and pearl	Lb.	237,650	5,573	-	-	5,573
Flour and meal	"	534,452	7,167	23,000	287	7,454
Rye, flour and meal	"	-	-	3,000	120	120

THE FLOUR AND FEED MILLING INDUSTRIES IN CANADA, 1933.

Table 1. - Production in Flour and Grist Mills by Classes, Canada and the Provinces, 1933. - (Cont'd.)

Products	Unit	Merchant Grinding		Custom or Exchange Grinding		Total Selling Value at Mill
		Quantity	Value	Quantity	Value	
			\$		\$	\$
<u>Manitoba</u>						
Chopped grain feed ...	Ton	3,721	79,403	2,348	46,395	125,798
Wheat flour -						
Fall or winter	Bbl.	-	-	4,560	18,240	18,240
Spring	"	1,515,432	4,601,384	111,765	392,910	4,994,294
Blended	"	-	-	-	-	-
Low grade or feed	Ton	89	1,535	168	2,873	4,408
Shorts and middlings .	"	25,645	339,162	2,559	34,822	373,984
Bran	"	21,062	232,531	2,443	31,439	263,970
Oatmeal	Lb.	1,117,400	20,316	-	-	20,316
Rolled oats	"	19,997,876	371,436	-	-	371,436
Barley -						
Pot and pearl	Lb.	370,050	9,320	-	-	9,320
Flour and meal	"	-	-	-	-	-
Rye, flour and meal ..	"	-	-	45,115	743	743
Corn -						
Flour	Lb.	-	-	10,500	146	146
Meal	"	-	-	-	-	-
Cracked	"	-	-	-	-	-
Buckwheat flour	"	-	-	-	-	-
Offal, not otherwise specified	Ton	7,119	46,570	23	249	46,819
All other cereal products (value only)	-	-	-	-	-	89,357
All other products (value only)	-	-	-	-	-	38,641
TOTAL	-	-	-	-	-	6,357,472
<u>Saskatchewan</u>						
Chopped grain feed ...	Ton	444	7,716	3,338	56,865	64,581
Wheat flour -						
Fall or winter	Bbl.	3,613	10,984	7,048	21,986	32,970
Spring	"	1,935,190	6,600,847	170,206	579,795	7,180,642
Blended	"	18,522	57,665	-	-	57,665
Low grade or feed	Ton	432	6,475	153	2,687	9,162
Shorts and middlings .	"	39,102	406,663	4,357	55,937	462,600
Bran	"	31,975	229,271	3,910	47,829	277,100
Oatmeal	Lb.	1,488,651	38,112	-	-	38,112
Rolled oats	"	39,203,094	1,187,223	-	-	1,187,223
Barley -						
Pot and pearl	Lb.	669,800	23,779	-	-	23,779
Flour and meal	"	-	-	-	-	-
Rye, flour and meal ..	"	22,100	332	1,650	23	355

THE FLOUR AND FEED MILLING INDUSTRIES IN CANADA, 1933.

Table 1. - Production in Flour and Grist Mills by Classes, Canada and the Provinces, 1933. - (Concl'd.)

Products	Unit	Merchant Grinding		Custom or Exchange Grinding		Total Selling Value at Mill
		Quantity	Value	Quantity	Value	
			\$		\$	\$
<u>British Columbia^x</u>						
Chopped grain feed	Ton	270	5,672	406	8,989	14,661
Wheat flour -						
Fall or winter	Bbl.	-	-	-	-	-
Spring	"	88,179	263,126	1,069	4,460	267,586
Low grade or feed	Ton	1	25	-	-	25
Shorts and middlings	"	1,577	21,515	30	602	22,117
Bran	"	1,621	31,233	24	463	31,696
Oatmeal	Lb.	-	-	-	-	-
Rolled oats	"	-	-	-	-	-
Offal, not otherwise specified	Ton	30	610	23	464	1,074
All other cereal products (value only) ..	-	-	-	-	-	3,817
All other products (value only)	-	-	-	-	-	21,798
TOTAL	-	-	-	-	-	362,774

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

Table 2. - Materials Used in Flour Mills, by Provinces, 1933.

Materials	Unit	CANADA		Prince Edward Island	
		Quantity	Value	Quantity	Value
			\$		\$
Wheat	Bush.	68,895,871	40,406,460	99,000	85,695
Oats	"	9,258,727	2,762,688	41,564	16,250
Barley	"	778,381	309,953	50	20
Rye	"	147,233	73,219	-	-
Corn	"	983,517	595,630	-	-
Buckwheat	"	173,816	88,713	168	84
Peas	"	5,832	5,322	-	-
Mixed grain for chopping	"	5,930,992	2,372,554	34,900	11,210
Other grains	"	115,135	33,536	-	-
All other materials (value only)	-	-	210,623	-	-
Cost of containers purchased.	-	-	4,848,479	-	715
Cost of materials used in making containers	-	-	12,410	-	-
TOTAL	-	-	51,719,587	-	113,974

THE FLOUR AND FEED MILLING INDUSTRIES IN CANADA, 1933.

Table 2. - Materials Used in Flour Mills, by Provinces, 1933. - (Cont'd.)

Materials	Unit	Nova Scotia		New Brunswick	
		Quantity	Value \$	Quantity	Value \$
Wheat	Bush.	9,858	8,966	75,791	62,317
Oats	"	3,054	1,600	9,844	3,940
Barley	"	-	-	7,129	2,734
Rye	"	-	-	-	-
Corn	"	-	-	-	-
Buckwheat	"	336	269	40,635	21,218
Peas	"	-	-	-	-
Mixed grain for chopping .	"	1,668	1,000	32,926	11,907
Other grains	"	-	-	-	-
All other materials (value only)	-	-	-	-	400
Cost of containers purchased	-	-	-	-	50
Cost of materials used in making containers	-	-	-	-	-
TOTAL	-	-	11,835	-	102,566

Materials	Unit	Quebec		Ontario	
		Quantity	Value \$	Quantity	Value \$
Wheat	Bush.	10,140,108	6,216,855	31,489,040	20,238,816
Oats	"	714,209	245,608	4,042,355	1,307,279
Barley	"	151,738	72,321	344,219	154,331
Rye	"	2,753	1,926	134,821	66,311
Corn	"	165,797	100,639	795,554	478,166
Buckwheat	"	91,373	49,526	40,625	17,228
Peas	"	1,879	1,619	3,911	3,665
Mixed grain for chopping .	"	425,725	168,850	5,040,644	2,070,452
Other grains	"	-	-	69,737	28,389
All other materials (value only)	-	-	1,146	-	197,410
Cost of containers purchased	-	-	356,814	-	2,332,465
Cost of materials used in making containers	-	-	10	-	1,510
TOTAL	-	-	7,215,314	-	26,896,022

THE FLOUR AND FEED MILLING INDUSTRIES IN CANADA, 1933.

Table 2. - Materials Used in Flour Mills, by Provinces, 1933. - (Concl'd.)

Materials	Unit	Manitoba		Saskatchewan	
		Quantity	Value	Quantity	Value
			\$		\$
Wheat	Bush.	7,166,635	4,003,035	9,905,421	4,803,587
Oats	"	1,053,920	314,573	2,369,107	650,994
Barley	"	82,667	29,587	75,173	23,155
Rye	"	2,689	1,010	740	241
Corn	"	18,244	13,592	-	-
Buckwheat	"	679	388	-	-
Peas	"	-	-	-	-
Mixed grain for chopping ..	"	144,436	42,874	102,306	30,697
Other grains	"	44,871	4,487	100	32
All other materials (value only)	-	-	62	-	3,789
Cost of containers purchased	-	-	544,031	-	858,378
Cost of materials used in making containers	-	-	22	-	10,622
TOTAL	-	-	4,953,661	-	6,381,495

Materials	Unit	Alberta		British Columbia ^x	
		Quantity	Value	Quantity	Value
			\$		\$
Wheat	Bush.	9,581,048	4,721,055	428,970	266,134
Oats	"	1,006,433	217,403	18,241	5,041
Barley	"	110,550	25,008	6,855	2,797
Rye	"	3,425	1,708	2,805	2,023
Corn	"	3,886	3,188	36	45
Buckwheat	"	-	-	-	-
Peas	"	-	-	42	38
Mixed grain for chopping ..	"	148,351	35,464	36	100
Other grains	"	427	628	-	-
All other materials (value only)	-	-	6,366	-	1,450
Cost of containers purchased	-	-	717,182	-	38,844
Cost of materials used in making containers	-	-	222	-	24
TOTAL	-	-	5,728,224	-	316,496

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

THE FLOUR AND FEED MILLING INDUSTRIES IN CANADA, 1933.

Table 3. - Capital Invested in Flour Mills, 1933.

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	27,636,312	8,873,944	6,174,456	9,304,720	51,989,432
Prince Edward Island.	53,800	3,620	1,110	5,480	64,010
Nova Scotia	17,300	-	-	-	17,300
New Brunswick	66,510	3,725	-	-	70,235
Quebec	2,235,458	24,897	1,062,983	1,635,995	4,959,333
Ontario	14,904,024	3,851,771	1,318,554	1,408,012	21,482,361
Manitoba	2,670,212	1,528,709	1,012,277	235,627	5,446,825
Saskatchewan	3,966,586	2,412,703	1,406,736	4,199,286	11,985,311
Alberta	3,579,757	1,018,369	1,350,093	1,760,491	7,708,710
British Columbia ^x ...	142,665	30,150	22,703	59,829	255,347

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

THE FLOUR AND FEED MILLING INDUSTRIES IN CANADA, 1933.

Table 4. - Employees, Salaries and Wages in Flour Mills, 1933.

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	947	166	1,661,144	2,893	147	2,761,545	3,840	313	4,422,689
Prince Edward Island	5	-	1,986	7	-	3,695	12	-	5,681
Nova Scotia	2	-	550	1	-	400	3	-	950
New Brunswick	3	-	1,090	13	-	6,899	16	-	7,989 ²²
Quebec	223	22	404,278	372	-	340,910	595	22	745,188
Ontario	256	74	505,590	1,445	112	1,415,688	1,701	186	1,921,278
Manitoba	104	15	162,097	361	23	314,414	465	38	476,511
Saskatchewan	178	28	303,742	278	9	276,725	456	37	580,467
Alberta	169	27	273,414	402	3	388,329	571	30	661,743
British Columbia ^x	7	-	8,397	14	-	14,485	21	-	22,882

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

THE FLOUR AND FEED MILLING INDUSTRIES IN CANADA, 1933.

Table 5. - Monthly Employment of Wage-earners, 1932 and 1933.

Months	In Flour Mills			
	1932		1933	
	Males No.	Females No.	Males No.	Females No.
January	3,062	116	2,729	134
February	3,029	140	2,658	141
March	2,901	137	2,813	137
April	2,999	128	2,740	139
May	2,933	123	2,852	128
June	2,985	122	2,860	132
July	2,994	140	2,892	133
August	3,017	126	2,819	154
September	3,167	127	3,005	157
October	3,313	137	3,166	162
November	3,403	149	3,182	173
December	3,160	116	2,958	145
TOTAL	36,963	1,561	34,674	1,735
Average monthly employment	3,095	130	2,893	147

Table 6. - Number of Wage-earners in Month of Highest Employment and Their Regular Hours of Work in 1933.

Number of Hours Worked per Week	Number of Employees	Number of Hours Worked per Week	Number of Employees
40 hours or less	128	51-53 hours	27
41-43 hours	15	54 hours	310
44 hours	190	55 hours	73
45-47 hours	137	56-59 hours	109
48 hours	745	60 hours	1,337
49-50 hours	212	Over 60 hours	212

The above table does not include overtime.

THE FLOUR AND FEED MILLING INDUSTRIES IN CANADA, 1933.

Table 7. - Power Equipment, 1933.

Classes of Power	In Flour Mills, 1933	
	Number of Units	Horse-power according to manufacturers' rating
Steam engines and steam turbines	79	11,099
Diesel engines	33	1,369
Gasoline, gas and oil engines other than diesel	73	4,097
Hydraulic turbines or water wheels	333	18,878
Electric motors operated by purchased power	1,374	48,146
TOTAL POWER USED IN MANUFACTURING ..	1,892	83,589
Electric motors operated by power generated in the establishment	82	2,876
Total Electric Motors	1,456	51,022
TOTAL POWER INSTALLATION	1,974	86,465
Boilers installed	134	13,746

Table 8. - Fuel Consumption, 1933.

Classes of Fuel	Unit of Measure	In Flour Mills, 1933	
		Quantity	Value
			\$
Coal -	Ton		
Bituminous	(2000 Lbs.)	30,000	153,608
Anthracite	"	761	3,508
Lignite	"	13,993	52,681
Coke	"	39	444
Gasoline	Gallon	11,959	3,069
Fuel oil	"	187,137	24,694
Wood	Cord	16,848	39,814
Gas, manufactured and natural	M cu. ft.	415,989	25,391
All other fuel	-	-	17,113
TOTAL COST OF FUEL	-	-	320,322

THE FLOUR AND FEED MILLING INDUSTRIES IN CANADA, 1933.

SECTION 3. - FEED AND CHOPPING MILLS, 1933.

Principal Statistics of the Feed and Chopping Mill Industries in Canada for the Years 1925, 1929, 1930, 1931 and 1932.

Items	1925	1929	1930	1931	1932
Establishments No.	855	916	894	893	896
Capital invested \$	5,093,202	6,558,329	6,352,859	6,018,831	5,865,873
Total employees No.	1,047	1,310	1,250	1,261	1,261
Total salaries and wages \$	685,331	863,316	793,889	755,501	664,024
Cost of materials used. \$	16,094,695	20,369,239	16,853,969	12,686,173	10,763,345
Gross value of products \$	19,906,832	23,874,360	20,351,422	16,136,937	13,713,517

Principal Statistics of the Feed and Chopping Mills, by Provinces, 1933.

Provinces	Estab-lish-ments No.	Capital Invested \$	Total Em-ployees No.	Total Salaries and Wages \$	Cost of Materials Used \$	Gross Value of Products \$
CANADA	915	7,065,073	1,317	685,448	11,578,261	14,575,475
Prince Edward Island) and) Nova Scotia)	14	194,395	31	23,304	363,757	417,293
New Brunswick	23	239,173	49	35,867	490,802	557,708
Quebec	269	1,319,863	309	102,334	1,444,351	1,911,356
Ontario	551	5,031,346	856	497,016	8,901,939	11,170,897
Manitoba	10	93,779	14	5,499	98,709	127,053
Saskatchewan	16	25,146	17	3,571	46,378	62,699
Alberta	32	161,371	41	17,857	232,325	328,469
British Columbia				(x)		

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

THE FLOUR AND FEED MILLING INDUSTRIES IN CANADA, 1933.

Table 1. - Production in Feed and Chopping Mills by Classes, Quantity and Value for Canada and the Provinces, 1933.

Provinces	Chopped Grain Feed		Other Products	TOTAL
	Quantity	Value	Value	Value
	Ton	\$	\$	\$
<u>1 9 3 3</u>				
CANADA	541,189	12,961,113	1,614,362	14,575,475
Prince Edward Island and Nova Scotia	2,102	61,275	356,018	417,293
New Brunswick	4,858	149,425	408,283	557,708
Quebec	76,479	1,879,236	32,120	1,911,356
Ontario	428,895	10,411,124	759,773	11,170,897
Manitoba	4,894	93,133	33,920	127,053
Saskatchewan	3,017	61,035	1,664	62,699
Alberta	20,944	305,885	22,584	328,469
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, 1933.

Materials	Unit of Measure	C A N A D A	
		Quantity	Value
			\$
Wheat	Bushels	234,113	138,219
Oats	"	4,610,760	1,447,546
Barley	"	896,355	361,477
Rye	"	33,971	17,236
Corn	"	1,196,524	768,666
Buckwheat	"	293,016	149,624
Peas	"	43,723	44,210
Mixed grain	"	21,842,424	8,434,104
Other grains	"	175,432	38,997
Cost of containers	(value only)	-	95,095
All other materials	" "	-	83,087
TOTAL	-	-	11,578,261

THE FLOUR AND FEED MILLING INDUSTRIES IN CANADA, 1933.

Table 3. - Capital Invested in Feed and Chopping Mills, 1933.

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	5,636,916	430,278	250,641	747,238	7,065,073
Prince Edward Island and Nova Scotia	106,087	20,247	6,724	61,337	194,395
New Brunswick	139,776	32,061	18,205	49,131	239,173
Quebec	1,155,294	67,680	14,088	82,801	1,319,863
Ontario	4,018,643	289,950	201,418	521,335	5,031,346
Manitoba	64,215	8,835	7,984	12,745	93,779
Saskatchewan	23,550	150	85	1,361	25,146
Alberta	129,351	11,355	2,137	18,528	161,371
British Columbia	(x)	(x)	(x)	(x)	(x)

(x) Two establishments only. Included in table 3 of the Flour milling industry.

THE FLOUR AND FEED MILLING INDUSTRIES IN CANADA, 1933.

Table 4. - Employees, Salaries and Wages in Feed and Chopping Mills, 1933.

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	751	13	382,326	546	7	303,122	1,297	20	685,448
Prince Edward Island and Nova Scotia	9	-	5,750	21	1	17,554	30	1	23,304
New Brunswick	19	4	11,846	26	-	24,021	45	4	35,867
Quebec	243	1	80,496	65	-	21,838	308	1	102,334
Ontario	431	8	267,572	411	6	229,444	842	14	497,016
Manitoba	6	-	1,449	8	-	4,050	14	-	5,499
Saskatchewan	14	-	2,531	3	-	1,040	17	-	3,571
Alberta	29	-	12,682	12	-	5,175	41	-	17,857
British Columbia	(x)	(x)	(x)	(x)	(x)	(x)	(x)	(x)	(x)

(x) Two establishments only. Included in table 4 of the Flour milling industry.

THE FLOUR AND FEED MILLING INDUSTRIES IN CANADA, 1933.

Table 5. - Monthly Employment of Wage-earners, 1932 and 1933.

Months	In Feed and Chopping Mills, 1932 and 1933			
	1932		1933	
	Males	Females	Males	Females
	No.	No.	No.	No.
January	484	4	503	7
February	481	4	500	7
March	497	4	508	6
April	484	4	503	7
May	440	4	475	7
June	423	4	452	6
July	411	4	468	6
August	418	4	469	6
September	471	4	531	7
October	494	4	555	6
November	512	4	571	6
December	498	4	573	6
TOTAL	5,613	48	6,103	77
Average monthly employment	507	4	546	7

Table 6. - Number of Wage-earners in Month of Highest Employment and Their Regular Hours of Work in 1933.

Number of Hours Worked per Week	Number of Employees	Number of Hours Worked per Week	Number of Employees
40 hours or less	111	51-53 hours	8
41-43 hours	3	54 hours	74
44 hours	6	55 hours	2
45-47 hours	7	56-59 hours	19
48 hours	67	60 hours	295
49-50 hours	14	Over 60 hours	18

The above table does not include overtime.

THE FLOUR AND FEED MILLING INDUSTRIES IN CANADA, 1933.

Table 7. - Power Equipment in Feed and Chopping Mills, 1933.

Classes of Power	Number of Units	Horse-power according to Manufacturers' Rating
Steam engines and steam turbines	67	2,948
Diesel engines	132	5,398
Gasoline, gas and oil engines other than diesel	200	5,528
Hydraulic turbines or water wheels	458	15,188
Electric motors operated by purchased power	451	10,744
TOTAL POWER USED IN MANUFACTURING ...	1,308	39,806
Electric motors operated by power generated at the mill	2	35
Total Electric Motors	453	10,779
Boiler installation	67	3,421

Table 8. - Fuel Consumption in Feed and Chopping Mills, 1933.

Classes of Fuel	Unit of Measure	Quantity	Total Cost at Mill
			\$
Coal -	Ton		
Bituminous	(2000 Lbs.)	1,499	10,221
Anthracite	"	38	514
Lignite	"	77	296
Coke	"	17	200
Gasoline	Imp. Gal.	57,177	12,702
Kerosene or coal oil	" "	10,568	1,429
Fuel and diesel oil	" "	296,867	31,802
Wood	Cord	2,495	6,961
Gas, manufactured and natural	M cu. ft.	10,699	6,214
Other fuel	-	-	5,943
TOTAL COST OF FUEL	-	-	76,282

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