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REPORT
ON THE
FLOUR AND FEED MILLING INDUSTRIES
IN
CANADA
1938



OTTAWA
1940

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DOMINION BUREAU OF STATISTICS
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THE FLOUR AND FEED MILLING INDUSTRIES IN CANADA, 1938.

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

SECTION 1. - GENERAL SUMMARY

A review of the flour and feed milling industries during the year 1938 reveals the fact that, in addition to a decrease of 6 in the number of mills reporting, there was a marked decline in all of the other items comprising the principal statistics with the exception of salaries and wages which shows an increase. These are shown for the Dominion for the years 1924 to 1936 and by provinces for the years 1937 and 1938 in table 1.

The decrease in the number of establishments during the past few years 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 This has superseded to a great extent the former system of obtaining flour and other cereal products from the local mills, some of which have consequently discontinued operations.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 328 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 3,911,886 barrels in 1938, but in spite of the decrease, Canada continues to be one of the leading exporters of wheat flour.

THE FLOUR AND FEED MILLING INDUSTRIES IN CANADA, 1938.

Table 1. - Principal Statistics for the Years 1924 to 1938.

Year	Estab-lish-ments	Capital Invested	Em-ployees	Salaries and Wages	Cost of Materials Used	Gross Value of Production
	No.	\$	No.	\$	\$	\$
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
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
<u>1937</u>						
CANADA.....	1,086	56,280,032	5,803	5,877,756	111,558,331	133,634,179
Prince Edward Island	12	67,573	15	6,816	103,210	142,690
Nova Scotia	9	166,200	24	28,544	684,290	780,033
New Brunswick ..	25	473,663	89	74,566	688,518	803,918
Quebec	229	7,497,430	768	846,135	13,752,078	16,413,027
Ontario	622	25,664,756	3,111	2,888,144	59,672,848	70,815,603
Manitoba	40	5,434,554	524	526,031	9,516,186	11,054,577
Saskatchewan ...	63	9,410,184	547	677,920	15,330,889	19,113,820
Alberta	78	7,142,187	687	786,033	11,193,083	13,684,149
British Columbia	8	423,485	38	43,567	617,229	826,362
<u>1938</u>						
CANADA.....	1,080	50,111,006	5,778	6,163,351	99,418,794	122,598,168
Prince Edward Island	12	61,073	14	4,586	52,704	63,234
Nova Scotia	9	160,609	20	18,718	619,534	697,228
New Brunswick ..	25	536,815	92	76,506	653,999	769,637
Quebec	191	5,626,017	697	832,051	12,518,866	15,673,078
Ontario	644	24,035,889	3,189	3,223,184	53,155,870	66,763,154
Manitoba	42	4,357,417	504	498,331	7,749,925	9,287,085
Saskatchewan ...	60	9,197,959	542	682,135	14,671,717	16,889,043
Alberta	90	5,814,298	685	787,416	9,698,550	12,005,097
British Columbia	7	320,929	35	40,424	297,629	450,612
<u>1938</u>						
Flour mills	328	43,395,733	4,454	5,534,366	84,067,240	103,886,310
Feed and chopp- ing mills	752	6,715,273	1,324	828,985	15,351,554	18,711,858
TOTAL	1,080	50,111,006	5,778	6,163,351	99,418,794	122,598,168

THE FLOUR AND FEED MILLING INDUSTRIES IN CANADA, 1938.

From the preceding tables it will be noted that in 1938 there were decreases of 25 in the total number of employees, \$11,036,011 in the value of production, \$12,139,537 in the cost of materials used and \$6,169,026 in capital investment, but the salary and wage payments increased to the extent of \$285,595.

Production. - The total value of all products of the two industries in 1938 amounted to \$122,598,168 of which wheat flour was accountable for \$75,419,729. Next in order of importance was chopped grain feed with a total of \$20,875,590 followed by shorts and middlings to the extent of \$6,361,225. Rolled oats takes fourth place with \$6,011,166 whilst bran occupies fifth position with a valuation of \$4,163,358.

Capital. - The capital employed in these industries represented an investment of \$50,111,006 which was divided as follows: fixed capital - consisting of present value of land, buildings, fixtures, machinery, tools, etc., - \$28,687,452 and working capital which comprises inventory value of materials on hand, stocks in process, finished products on hand, etc., \$10,283,008 and cash, bills and accounts receivable \$11,140,546.

Employees, Salaries and Wages. - The administrative and clerical work in connection with the two industries required the services of 1,671 male and 228 female employees whose total salaries amounted to \$2,464,473. The number of wage-earners employed was 3,728 male and 151 female which necessitated a payroll amounting to \$3,698,878.

Cost of Materials. - The total cost of all materials used in both industries, including containers, amounted to \$99,418,794. Wheat of all types was by far the largest contributor to this sum with \$69,507,401. Mixed grain for chopping takes second place with \$13,732,723. The next largest item of expense was that of oats which accounted for \$6,250,040 whilst containers and container materials occupy fourth position with a total cost of \$4,957,112.

THE FLOUR AND FEED MILLING INDUSTRIES IN CANADA, 1938.

Table 2. - Quantity and Value of Principal Mill Products in Canada, 1929 and 1933 to 1938.

Products	Unit of Measure	Quantity	Selling Value at Mill	Average Value
			\$	\$
<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	27.91
Feed, chopped	"	848,698	30,927,336	36.44
<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	23.74
<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	20.11
Feed, chopped	"	749,540	18,192,926	24.27
<u>1936</u>				
Wheat flour, all grades	Barrel	14,932,400	65,999,686	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
<u>1937</u>				
Wheat flour, all grades	Barrel	14,208,560	80,597,091	5.67
Oatmeal and rolled oats	"	806,007	6,294,699	7.81
Bran, shorts and middlings ...	Ton	509,872	13,330,106	26.14
Feed, chopped	"	724,624	23,700,986	32.71
<u>1938</u>				
Wheat flour, all grades	Barrel	13,353,520	75,419,729	5.65
Oatmeal and rolled oats	"	830,293	6,408,292	7.72
Bran, shorts and middlings ...	Ton	458,328	10,524,583	22.96
Feed, chopped	"	756,420	20,875,590	27.60

THE FLOUR AND FEED MILLING INDUSTRIES IN CANADA, 1938.

Table 3. - Production in All Mills, By Classes, 1938.

Products	Merchant Grinding		Custom or Exchange Grinding		Total Selling Value At Mill	
	Quantity	Value	Quantity	Value		
		\$		\$	\$	
CANADA						
Wheat flour -						
Spring No. 1 Patent	Bbl.	5,432,084	33,290,270	83,912	379,146	33,669,416
Spring No. 2 Patent	"	3,750,140	21,890,502	25,094	120,463	22,010,965
Spring Straight	"	1,780,278	9,394,909	255,906	1,535,906	10,930,815
Ontario Winter						
Straight	"	905,116	4,144,619	2,299	8,410	4,153,029
Low grade flour ...	"	403,600	1,534,173	3,594	11,106	1,545,279
Feed flour	"	205,205	779,327	715	1,696	781,023
All other	"	490,032	2,249,934	16,445	79,268	2,329,202
Flour and meal, other-						
Whole wheat and						
Graham flour	Lb.	8,874,271	244,441	104,781	2,087	246,528
Prepared or self-						
raising flour	"	1,251,936	103,226	-	-	103,226
Barley, flour & meal	"	6,602,316	105,132	21,800	419	105,551
Rye, flour & meal..	"	3,641,825	85,537	53,521	1,137	86,674
Corn flour.....	"	7,075,990	168,752	-	-	168,752
Corn meal	"	62,796,760	1,193,655	1,163,042	19,857	1,213,512
Buckwheat flour ...	"	276,039	9,135	1,197,260	37,356	46,491
Pea meal	"	12,095	1,806	-	-	1,806
Breakfast foods -						
Prepared breakfast						
foods	Lb.	7,478,092	1,153,390	-	-	1,153,390
Oatmeal	"	9,842,809	395,761	43,286	1,365	397,126
Rolled oats	"	140,373,660	6,011,166	-	-	6,011,166
Rolled or flaked wheat	"	3,827,753	105,161	6,350	189	105,350
Other cereal products	"	8,056,288	445,515	43,099	1,250	446,765
Other products -						
Barley, pot and pearl	Lb.	4,111,750	110,224	3,800	120	110,344
Corn, cracked	"	30,375,622	520,898	702,772	12,215	523,113
Peas, split	"	705,627	20,851	-	-	20,851
Stock and poultry						
foods	Tons	71,082	2,856,161	887	33,066	2,889,227
Shorts and middlings	"	256,431	6,172,257	8,027	188,968	6,361,225
Bran	"	185,379	3,986,620	8,491	176,738	4,163,358
Chopped grain feed .	"	65,756	1,825,525	690,664	19,050,065	20,875,590
Alfalfa meal	"	8,327	117,354	1,049	14,041	131,395
Offal, not otherwise						
specified	"	105,841	1,884,409	2,024	47,282	1,931,691
All other products..	-	-	74,008	-	1,300	75,308
TOTAL VALUE OF PRODUCTION IN ALL MILLS						
	-	-	100,874,718	-	21,723,450	122,598,168

THE FLOUR AND FEED MILLING INDUSTRIES IN CANADA, 1938.

Table 4. - Materials Used in All Mills, 1937 and 1938.

Materials	Unit of Measure	C A N A D A	
		Quantity	Cost Value at Mill
\$			
<u>1 9 3 7</u>			
Wheat	Bushel	64,416,615	77,797,365
Oats	"	13,978,450	6,962,191
Barley	"	2,060,105	1,339,095
Rye	"	170,823	160,069
Corn	"	3,248,451	2,783,314
Buckwheat	"	319,281	223,364
Peas	"	57,061	82,820
Mixed grains for chopping	"	28,682,728	15,880,941
Other grains	"	312,908	148,045
Cost of containers purchased.....	-	-	5,258,143
Cost of materials used in making containers	-	-	4,652
All other materials	-	-	918,332
TOTAL COST OF MATERIALS USED	-	-	111,558,331
<u>1 9 3 8</u>			
Wheat	Bushel	60,268,931	69,507,401
Oats	"	14,213,351	6,250,040
Barley	"	2,161,564	1,149,524
Rye	"	175,250	126,112
Corn	"	3,069,389	2,416,513
Buckwheat	"	291,463	185,896
Peas	"	41,336	53,743
Mixed grains for chopping	"	30,458,967	13,732,723
Other grains	"	412,153	190,846
Cost of containers purchased	-	-	4,941,380
Cost of materials used in making containers	-	-	15,732
All other materials	-	-	848,884
TOTAL COST OF MATERIALS USED	-	-	99,418,794

THE FLOUR AND FEED MILLING INDUSTRIES IN CANADA, 1938.

Table 5. - Capital Invested in All Mills, 1923-36, and by Provinces, 1937 and 1938.

Year	Fixed Capital	Working Capital		Total Capital
	Present value of land, buildings, fixtures, machinery, tools, etc.	Inventory value of materials on hand, Stocks in process, finished products, Fuel and Miscellaneous supplies, etc.	Cash, trading and operating accounts etc.	
	\$	\$	\$	\$
1923	38,304,249	11,460,543	10,791,795	60,556,587
1924	37,991,708	17,151,817	9,213,016	64,356,541
1925	35,767,591	14,379,267	9,957,400	60,104,258
1926	36,158,799	12,942,566	9,234,448	58,335,813
1927	37,740,387	14,391,882	9,929,744	62,062,013
1928	36,857,519	16,859,539	9,797,517	63,514,575
1929	37,777,963	19,440,788	10,554,783	67,773,534
1930	36,776,071	14,812,792	11,028,144	62,617,007
1931	37,425,362	11,088,544	12,555,286	61,069,192
1932	36,002,825	11,152,044	11,128,343	58,283,212
1933	33,273,228	15,729,319	10,051,958	59,054,505
1934	30,725,664	18,394,309	10,173,453	59,293,426
1935	29,997,190	16,361,405	10,116,720	56,475,315
1936	28,767,319	19,083,481	14,016,487	61,867,287
<u>1937</u>				
CANADA	28,532,888	19,019,991	8,727,153	56,280,032
Prince Edward Island	64,294	2,055	1,224	67,573
Nova Scotia	61,817	25,634	78,749	166,200
New Brunswick	196,450	179,587	97,626	473,663
Quebec	2,730,451	2,025,933	2,741,046	7,497,430
Ontario	15,959,088	7,463,427	2,242,241	25,664,756
Manitoba	2,598,527	2,198,596	637,431	5,434,554
Saskatchewan	3,402,625	4,135,834	1,871,725	9,410,184
Alberta	3,335,621	2,820,150	986,416	7,142,187
British Columbia	184,015	168,775	70,695	423,485
<u>1938</u>				
CANADA	28,687,452	10,283,008	11,140,546	50,111,006
Prince Edward Island	58,196	1,252	1,625	61,073
Nova Scotia	77,167	17,306	66,136	160,609
New Brunswick	204,785	245,778	86,252	536,815
Quebec	2,491,897	928,634	2,205,486	5,626,017
Ontario	16,529,083	4,569,656	2,937,150	24,035,889
Manitoba	2,601,637	796,007	959,773	4,357,417
Saskatchewan	3,257,406	2,179,928	3,760,625	9,197,959
Alberta	3,309,851	1,465,243	1,039,204	5,814,298
British Columbia	157,430	79,204	84,295	320,929

THE FLOUR AND FEED MILLING INDUSTRIES IN CANADA, 1938.

Table 6. - Employees, Salaries and Wages in All Mills, by Provinces, 1937 and 1938.

Provinces	Employees on Salaries			Employees on Wages			Total Employees, Salaries and Wages		
	Male	Female	Total Salaries	Male	Female	Total Wages	Male	Female	Salaries and Wages
	No.	No.	\$	No.	No.	\$	No.	No.	\$
<u>1937</u>									
CANADA	1,632	201	2,295,245	3,817	153	3,582,511	5,449	354	5,877,756
Prince Edward Island	9	-	3,546	6	-	3,270	15	-	6,816
Nova Scotia..	5	1	8,778	18	-	19,766	23	1	28,544
New Brunswick	20	8	23,737	61	-	50,829	81	8	74,566
Quebec	327	20	485,752	420	1	360,383	747	21	846,135
Ontario	696	99	835,442	2,199	117	2,052,702	2,895	216	2,888,144
Manitoba	112	11	185,280	381	20	340,751	493	31	526,031
Saskatchewan.	212	31	346,735	293	11	331,185	505	42	677,920
Alberta	240	31	390,155	412	4	395,878	652	35	786,033
British Columbia ...	11	-	15,820	27	-	27,747	38	-	43,567
<u>1938</u>									
CANADA.....	1,671	228	2,464,473	3,728	151	3,698,878	5,399	379	6,163,351
Prince Edward Island	9	-	2,066	5	-	2,520	14	-	4,586
Nova Scotia..	3	-	1,035	17	-	17,683	20	-	18,718
New Brunswick	25	8	22,603	58	1	53,903	83	9	76,506
Quebec	280	19	469,969	396	2	362,082	676	21	832,051
Ontario	766	123	1,013,605	2,191	109	2,209,579	2,957	232	3,223,184
Manitoba	116	13	186,138	355	20	312,193	471	33	498,331
Saskatchewan.	210	34	351,158	284	14	330,977	494	48	682,135
Alberta	248	31	400,612	401	5	386,804	649	36	787,416
British Columbia ...	14	-	17,287	21	-	23,137	35	-	40,424

THE FLOUR AND FEED MILLING INDUSTRIES IN CANADA, 1938.

Table 7. - Power Equipment in All Mills, 1937 and 1938.

Classes of Power	1937		1938	
	Number of Units	Manufacturers' Rating of Horse-power Capacity	Number of Units	Manufacturers' Rating of Horse-power Capacity
Steam engines (In use)	87	10,179	87	10,000
..... (Idle)	12	802	10	707
Diesel engines (In use)	186	8,287	199	9,080
..... (Idle)	6	272	7	252
Gasoline, gas and oil engines other than diesel (In use)	234	6,903	235	6,984
..... (Idle)	30	729	35	998
Hydraulic turbines or water wheels (In use)	557	26,740	512	25,450
..... (Idle)	17	635	18	1,122
Electric motors operated by purchased power.... (In use)	1,910	57,799	2,013	57,677
..... (Idle)	92	5,136	102	6,078
TOTAL POWER USED IN MANUFACTURING	2,974	109,908	3,218	118,348
Electric motors operated by power generated by the establishment (In use)	94	3,712	92	3,126
..... (Idle)	-	-	3	255
Boilers (In use)	125	13,978	124	12,568
..... (Idle)	5	405	4	450

Table 8. - Fuel and Electricity Used in All Mills, 1937 and 1938.

Kinds of Fuel	Unit of Measure	1937		1938	
		Quantity	Total Cost at Mill	Quantity	Total Cost at Mill
Bituminous coal	Short ton	30,127	\$ 168,770	24,218	\$ 128,614
Anthracite coal	" "	654	6,582	570	6,063
Lignite coal	" "	15,542	47,040	14,590	42,940
Coke	" "	28	293	148	771
Gasoline	Imp. Gal.	164,362	34,919	166,232	35,451
Kerosene or coal oil	" "	7,776	1,565	5,470	1,110
Fuel and diesel oil	" "	492,590	55,474	579,582	64,335
Wood	Cord	14,825	43,632	13,954	37,340
Gas, manufactured and natural	M cu. ft.	472,835	33,934	417,999	33,903
Other fuel	-	-	9,624	-	18,775
Electricity purchased.....	K.W.H.	102,130,269	819,659	99,022,025	820,974
Electricity generated - for sale	"	5,816	238	5,718	237
TOTAL COST OF FUEL AND ELECTRICITY	-	-	1,221,730	-	1,190,513

THE FLOUR AND FEED MILLING INDUSTRIES IN CANADA, 1938.

Table 9. - Imports of Milled Products and Grains by Quantity and Value
1937 and 1938.

Articles Imported	Unit of Measure	1937		1938	
		Quantity	Value \$	Quantity	Value \$
Milled Products					
Wheat flour	Barrel	62,561	313,901	88,752	339,959
Buckwheat meal and flour	Cwt.	858	3,226	808	2,924
Cornmeal	Barrel	5,986	29,820	23,993	76,709
Malt flour	Pound	66,534	3,950	38,162	2,412
Rye flour	Barrel	2,426	10,175	2,820	8,770
Oatmeal and rolled oats.	Pound	195,712	11,409	208,261	11,429
Barley, pot and pearl ..	"	54,222	11,379	38,623	8,482
Peas, split	"	1,498,523	41,682	1,572,173	41,117
Hominy, cracked, ground, etc.	-	-	219,292	-	116,014
Rice, bran, meal and flour	Pound	93,175	6,113	62,719	3,911
Sago and tapioca flour..	"	3,397,310	82,660	2,837,922	49,058
Bran and mill feed	Cwt.	24,247	32,572	113,888	124,145
Cereal food in packages.	Pound	514,909	65,684	534,111	65,462
Cereal foods, n.o.p. ...	-	-	138,637	-	26,076
Semolina	Barrel	1,575	12,067	893	6,235
TOTAL VALUE OF IMPORTS OF MILLED PRODUCTS	-	-	880,567	-	882,703
Grains					
Wheat	Bushel	1,077,118	1,292,754	5,637,652	5,565,243
Oats	"	5,461,072	1,896,246	8,651,144	2,915,483
Barley	"	408	432	2,164	2,633
Corn for all purposes...	"	16,544,025	10,874,256	9,349,924	5,474,758
Buckwheat	"	802	1,082	99	139
Peas, n.o.p.	Pound	11,796,834	417,662	8,916,774	316,955
Rye	Bushel	47,731	46,649	20,056	19,016
Beans, n.o.p.	Pound	2,927,319	126,749	1,748,110	79,750
Beans, soya	"	889,181	17,068	3,640,710	64,046
Rice, uncleaned	Cwt.	645,563	1,166,494	455,870	867,766
Rice, cleaned	"	120,812	354,403	137,116	382,011
TOTAL VALUE OF GRAINS IMPORTED	-	-	16,193,795	-	15,687,800

THE FLOUR AND FEED MILLING INDUSTRIES IN CANADA, 1938.

Table 10. - Exports of Milled Products and Grains by Quantity and Value, 1937 and 1938.

Articles Exported	Unit of Measure	1937		1938	
		Quantity	Value	Quantity	Value
			\$		\$
Milled Products -					
Rye flour	Barrel	402	2,444	53	228
Wheat flour	"	4,087,011	23,872,495	3,911,886	17,637,743
Oatmeal and rolled oats.	Cwt.	578,591	2,924,908	712,093	3,385,164
Bran, shorts and middlings	"	2,139,772	3,052,110	1,558,274	1,649,847
Malt	Bushel	2,012,226	2,943,866	1,578,388	1,697,203
Peas, split	"	1,047	2,414	192	465
Screenings	Cwt.	905,676	583,024	1,217,518	224,067
Cornmeal	Barrel	41,170	145,241	122,232	377,010
Rice, meal and flour ...	Pound	330,820	8,495	287,643	7,210
All other meals, n.o.p. .	Cwt.	659	2,019	534	1,629
Cereal foods, prepared, all kinds	-	-	4,269,526	-	3,887,416
TOTAL VALUE OF MILLED PRODUCTS EXPORTED		-	37,806,542	-	28,867,982
Grains -					
Wheat	Bushel	96,008,341	124,439,579	114,178,301	89,393,814
Oats	"	4,495,293	2,435,582	6,886,473	2,698,250
Barley	"	10,880,530	7,916,779	17,445,767	8,734,577
Corn	"	354,798	348,979	4,642	4,867
Rye	"	1,848,228	2,053,480	1,108,913	542,629
Buckwheat	"	248,790	188,398	296,387	189,933
Peas, whole	"	5,327	14,472	3,912	10,876
Beans	"	57,968	88,872	552,422	708,578
TOTAL VALUE OF GRAINS EXPORTED		-	137,486,141	-	102,283,524

THE FLOUR MILLING INDUSTRY IN CANADA, 1938.

SECTION 2. - THE FLOUR MILLING INDUSTRY, 1938.

Table 1. - Principal Statistics of the Flour Mills in Canada for the Years, 1923-38.

Year	Estab-	Capital Invested	Em- ployees	Salaries and Wages	Cost of Materials Used	Gross Value of Production
	lish- ments					
	No.	\$	No.	\$	\$	\$
1923	560	56,426,207	5,876	6,910,386	115,978,278	138,043,802
1924	457	59,509,871	5,585	7,160,527	135,096,994	161,624,551
1925	455	55,011,056	5,119	6,504,691	147,069,973	168,037,899
1926	442	53,181,355	5,188	6,486,285	145,989,909	168,534,279
1927	431	56,366,699	5,148	6,558,309	143,255,728	167,597,325
1928	423	57,567,079	5,285	6,745,415	144,868,517	172,071,795
1929	409	61,215,205	5,308	6,714,960	130,437,426	157,274,329
1930	382	56,264,148	4,673	5,885,224	102,823,717	124,504,524
1931	372	55,050,361	4,410	5,276,688	59,085,624	79,591,603
1932	394	52,417,339	4,325	4,912,371	52,414,311	71,035,283
1933	413	51,989,432	4,153	4,422,689	51,719,587	68,746,324
1934	435	52,491,680	4,263	4,443,991	61,392,000	80,170,600
1935	384	50,278,121	4,244	4,479,679	65,378,617	81,955,937
1936	363	55,275,090	4,416	4,785,910	73,972,242	94,320,594
<u>1937</u>						
CANADA	335	49,617,744	4,469	5,069,315	94,016,740	112,744,579
Prince Edward Island	11	64,773	14	6,696	97,710	136,090
Nova Scotia and New Brunswick	8	64,825	13	6,012	78,485	100,879
Quebec	81	6,669,682	584	763,833	12,229,469	14,536,917
Ontario	114	20,761,245	2,161	2,311,863	45,949,116	54,542,458
Manitoba	32	5,382,636	510	511,696	9,371,615	10,872,913
Saskatchewan	42	9,340,903	521	699,550	15,181,503	18,922,062
Alberta	44	7,037,128	639	765,398	10,535,999	12,864,204
British Columbia ...	3	296,552	27	34,267	572,843	769,056
<u>1938</u>						
CANADA	328	43,395,733	4,454	5,334,366	84,067,240	103,886,310
Prince Edward Island	8	50,523	10	3,970	41,557	49,734
Nova Scotia and New Brunswick	8	58,200	12	5,195	49,669	66,786
Quebec	69	4,924,045	531	769,503	11,495,902	14,364,770
Ontario	116	19,012,607	2,212	2,594,476	40,917,064	51,854,090
Manitoba	34	4,278,969	488	484,852	7,653,759	9,152,837
Saskatchewan	44	9,153,108	525	677,434	14,582,166	16,779,442
Alberta	46	5,673,472	630	764,832	9,061,279	11,207,660
British Columbia ...	3	244,809	26	34,104	265,844	410,991

THE FLOUR MILLING INDUSTRY IN CANADA, 1938.

Table 2. - Production in Flour Mills by Classes and the Provinces, 1938.

Products	Unit of Measure	Merchant Grinding		Custom or Exchange Grinding		Total Selling Value at Mill
		Quantity	Value	Quantity	Value	
			\$		\$	\$
<u>CANADA</u>						
Wheat flour --						
Spring No. 1 Patent.....	Barrel	5,432,084	33,290,270	83,012	379,146	33,669,416
Spring No. 2 Patent.....	"	3,750,140	21,890,502	25,094	120,463	22,010,965
Spring Straight.....	"	1,780,278	9,394,909	255,906	1,535,906	10,930,815
Ontario Winter Straight..	"	905,116	4,144,619	2,299	8,410	4,153,029
Low grade flour.....	"	403,600	1,534,173	3,594	11,106	1,545,279
Feed flour.....	"	205,205	779,327	715	1,696	781,023
All other.....	"	490,032	2,249,934	16,445	79,268	2,329,202
Flour and meal, other --						
Whole wheat and graham flour.....	Lb.	8,000,497	222,580	9,696	190	222,770
Prepared or self-raising flour.....	"	1,251,936	103,226	-	-	103,226
Barley, flour and meal..	"	6,325,816	101,631	21,000	395	102,026
Rye, flour and meal....	"	3,517,551	83,397	53,521	1,137	84,534
Corn flour.....	"	5,559,888	134,954	-	-	134,954
Corn meal.....	"	20,779,360	433,361	1,000	20	433,381
Buckwheat flour.....	"	66,039	1,587	297,720	9,411	10,998
Breakfast foods --						
Prepared breakfast foods	Lb.	7,418,092	1,147,990	-	-	1,147,990
Oatmeal.....	"	9,057,524	381,583	43,286	1,365	382,948
Rolled oats.....	"	132,009,780	5,785,038	-	-	5,785,038
Rolled or flaked wheat..	"	2,142,438	61,687	6,350	189	61,876
Other cereal products...	"	7,201,282	420,459	43,099	1,250	421,709
Other products --						
Barley, pot and pearl...	Lb.	2,996,906	78,775	3,800	120	78,895
Corn, cracked.....	"	3,619,228	64,479	100,800	2,016	66,495
Stock and Poultry foods.	Ton	60,646	2,444,304	-	-	2,444,304
Shorts and middlings....	"	256,098	6,159,395	8,027	188,968	6,348,363
Bran.....	"	185,379	3,986,620	8,491	176,738	4,163,358
Chopped grain feed.....	"	27,055	755,849	137,881	3,796,037	4,551,886
Alfalfa meal.....	"	1,355	22,900	277	4,435	27,335
Offal, not otherwise specified.....	"	98,110	1,806,680	1,199	24,882	1,831,562
All other products.....	-	-	61,898	-	1,035	62,933
TOTAL.....	-	-	97,542,127	-	6,344,183	103,886,310

THE FLOUR MILLING INDUSTRY IN CANADA, 1938.

Table 2. - Production in Flour Mills by Classes and the Provinces, 1938 - (Continued).

Products	Unit of Measure	Merchant Grinding		Custom or Exchange Grinding		Total Selling Value at Mill
		Quantity	Value	Quantity	Value	
<u>PRINCE EDWARD ISLAND</u>						
Wheat flour -			\$		\$	\$
Spring No. 1 Patent.....	Barrel	-	-	1,195	5,274	5,274
Spring Straight	"	556	2,544	2,693	12,027	14,571
Low grade	"	35	151	162	699	850
All other	"	-	-	271	1,100	1,100
Flour and meal, other -						
Whole wheat and graham flour	Lb.	120,000	2,700	-	-	2,700
Breakfast foods -						
Oatmeal	Lb.	18,000	513	13,286	465	978
Other products -						
Shorts and middlings ...	Ton	9	270	66	1,971	2,241
Bran	"	13	356	164	4,976	5,332
Chopped grain feed	"	9	207	569	16,126	16,333
Offal, not otherwise specified	"	2	40	12	240	280
All other products	-	-	75	-	-	75
T O T A L	-	-	6,856	-	42,878	49,734
<u>NOVA SCOTIA AND NEW BRUNSWICK</u>						
Wheat flour -						
Spring No. 1 Patent	Barrel	100	600	785	4,714	5,314
" " 2 "	"	-	-	490	2,600	2,600
" Straight	"	-	-	500	3,000	3,000
Low grade flour	"	-	-	399	1,516	1,516
All other	"	-	-	201	1,005	1,005
Flour and meal, other -						
Buckwheat flour	Lb.	29,264	910	268,840	8,830	9,740
Breakfast foods -						
Oatmeal	Lb.	-	-	30,000	900	900
Other products -						
Shorts and middlings	Ton	2	60	62	1,879	1,939
Bran	"	3	90	80	2,288	2,378
Chopped grain feed	"	179	5,370	897	27,610	32,980
Offal, not otherwise specified	"	20	440	195	4,602	5,042
All other products	-	-	-	-	372	372
T O T A L	-	-	7,470	-	59,316	66,786

THE FLOUR MILLING INDUSTRY IN CANADA, 1938.

Table 2. - Production in Flour Mills by Classes and Provinces, 1938 - (Continued)

Products	Unit of Measure	Merchant Grinding		Custom or Exchange Grinding		Total Selling Value at Mill
		Quantity	Value	Quantity	Value	
QUEBEC						
Wheat flour -			\$		\$	\$
Spring No. 1 Patent	Barrel	1,073,602	6,693,048	13,049	69,361	6,762,409
Spring No. 2 Patent	"	473,276	2,788,598	1,958	11,264	2,799,862
Spring Straight	"	205,472	1,087,435	390	2,080	1,089,515
Ontario Winter Straight ..	"	3,300	16,489	-	-	16,489
Low grade	"	101,417	460,016	-	-	460,016
Feed flour	"	89,765	403,691	-	-	403,691
All other	"	429	2,402	427	2,658	5,060
Flour and meal, other -						
Barley, flour and meal ...	Lb.	4,432,458	64,182	21,000	395	64,577
Corn flour	"	1,919,428	40,384	-	-	40,384
Corn meal	"	437,700	8,878	-	-	8,878
Buckwheat flour	"	75	3	21,780	460	463
Breakfast foods -						
Other cereal products	Lb.	37,780	1,889	-	-	1,889
Other products -						
Barley, pot and pearl	Lb.	487,256	12,637	-	-	12,637
Corn cracked	"	787,002	12,947	100,800	2,016	14,963
Stock and Poultry foods ..	Ton	1,174	40,078	-	-	40,078
Shorts and middlings	"	37,815	1,118,296	288	8,428	1,126,724
Bran	"	27,363	698,644	273	7,323	705,967
Chopped grain feed	"	556	17,136	21,773	709,778	726,914
Alfalfa meal	"	-	-	227	3,535	3,535
Offal, not otherwise specified	"	3,094	79,874	28	845	80,719
T O T A L	-	-	13,546,627	-	818,143	14,364,770
ONTARIO						
Wheat flour -						
Spring No. 1 Patent	Barrel	1,204,561	6,959,595	54	243	6,959,838
Spring No. 2 Patent	"	2,400,951	13,985,226	1,015	5,582	13,990,808
Spring Straight	"	1,049,611	5,386,181	206,343	1,299,761	6,685,942
Ontario Winter Straight...	"	901,816	4,128,130	2,299	8,410	4,136,540
Low grade flour	"	174,230	651,331	-	-	651,331
Feed flour	"	72,617	248,094	15	37	248,131
All other	"	306,412	1,297,462	816	4,000	1,301,462
Flour and meal, other -						
Wholewheat and Graham flour	Lb.	3,652,149	96,595	-	-	96,595
Prepared or self-raising flour	"	1,063,896	97,839	-	-	97,839
Barley, flour and meal ...	"	1,893,358	37,449	-	-	37,449
Rye, flour and meal	"	3,466,376	82,531	200	5	82,536
Corn flour	"	3,640,460	94,570	-	-	94,570
Corn meal	"	20,341,660	424,483	1,000	20	424,503
Buckwheat flour	"	36,700	674	7,100	121	795

THE FLOUR MILLING INDUSTRY IN CANADA, 1938.

Table 2. - Production in Flour Mills by Classes and Provinces, 1938 - (Continued).

Products	Unit of Measure	Merchant Grinding		Custom or Exchange Grinding		Total Selling Value at Mill
		Quantity	Value	Quantity	Value	
<u>ONTARIO - Con.</u>						
Breakfast foods -						
Prepared breakfast foods.	Lb.	7,084,392	1,118,933	-	-	1,118,933
Oatmeal	"	6,064,136	269,690	-	-	269,690
Rolled Oats	"	71,931,580	3,447,662	-	-	3,447,662
Rolled or flaked wheat ..	"	2,113,900	61,039	-	-	61,039
Other cereal products ...	"	2,658,146	222,140	-	-	222,140
Other products -						
Barley, pot and pearl ...	Lb.	1,238,916	29,173	-	-	29,173
Corn, cracked	"	2,832,226	51,532	-	-	51,532
Stock and Poultry foods..	Ton	53,233	2,212,783	-	-	2,212,783
Shorts and middlings	"	124,400	3,053,074	4,029	116,423	3,169,497
Bran	"	87,905	1,980,930	4,090	102,022	2,082,952
Chopped grain feed	"	19,863	552,698	99,587	2,684,899	3,237,597
Alfalfa meal	"	1,235	20,500	-	-	20,500
Offal, not otherwise specified	"	56,693	1,047,978	925	18,484	1,066,462
All other products	-	-	55,773	-	18	55,791
T O T A L	-	-	47,614,065	-	4,240,025	51,854,090
<u>MANITOBA</u>						
Wheat flour -						
Spring No. 1 Patent	Barrel	354,506	2,169,621	31,568	126,059	2,295,680
Spring No. 2 Patent	"	323,763	2,000,672	3,850	16,913	2,017,585
Spring Straight	"	378,953	2,249,215	7,870	37,438	2,286,653
Low grade	"	53,728	224,458	126	308	224,766
Feed flour	"	33,288	99,712	226	456	100,168
All other	"	55,373	277,058	2,636	10,800	287,858
Flour and meal, other -						
Wholewheat and Graham flour	Lb.	1,792,607	52,426	-	-	52,426
Rye flour	"	10,500	180	18,705	354	534
Breakfast foods -						
Oatmeal	Lb.	1,309,120	46,530	-	-	46,530
Rolled oats	"	16,301,700	515,034	-	-	515,034
Rolled or flaked wheat ..	"	1,000	20	-	-	20
Other cereal products ...	"	1,657,888	59,067	4,811	158	59,225

THE FLOUR MILLING INDUSTRY IN CANADA, 1938.

Table 2. - Production in Flour Mills by Classes and Provinces, 1938 - (Continued.)

Products	Unit of Measure	Merchant Grinding		Custom or Exchange Grinding		Total Selling Value at Mill
		Quantity	Value	Quantity	Value	
			\$		\$	\$
<u>MANITOBA - Con.</u>						
Other products -						
Barley, pot and pearl ...	Lb.	756,168	20,291	3,800	120	20,411
Stock and Poultry foods..	Ton	4,913	154,262	-	-	154,262
Shorts and middlings	"	21,446	490,320	1,037	16,991	507,311
Bran	"	16,303	324,299	1,335	19,992	344,291
Chopped grain feed	"	2,512	66,250	3,726	85,907	152,157
Offal, not otherwise specified	"	6,257	87,355	26	491	87,846
All other products	-	-	80	-	-	80
T O T A L	-	-	8,836,850	-	315,987	9,152,837
<u>SASKATCHEWAN</u>						
Wheat flour -						
Spring No. 1 Patent	Barrel	1,893,928	11,796,341	14,692	67,949	11,864,290
Spring No. 2 Patent	"	145,737	736,753	13,528	61,065	797,818
Spring Straight	"	21,541	98,956	13,130	72,172	171,128
Low grade	"	15,747	54,942	1,814	5,031	59,973
Feed flour	"	1,727	3,750	314	1,043	4,793
All other	"	18,550	125,184	661	2,880	128,064
Flour and meal, other -						
Wholewheat and Graham flour	Lb.	350,702	4,566	196	3	4,569
Prepared or self-raising flour	"	3,840	240	-	-	240
Rye flour	"	36,587	601	14,616	378	979
Breakfast foods -						
Prepared breakfast foods.	Lb.	262,800	19,989	-	-	19,989
Oatmeal	"	842,736	36,796	-	-	36,796
Rolled oats	"	34,075,017	1,488,807	-	-	1,488,807
Rolled or flaked wheat ..	"	19,913	406	186	4	410
Other cereal	"	119,802	3,792	15,412	406	4,198
Other products -						
Barley, pot and pearl ...	Lb.	414,540	13,689	-	-	13,689
Stock and Poultry foods ..	Ton	402	10,496	-	-	10,496
Shorts and middlings	"	47,755	994,746	1,190	20,864	1,015,610
Bran	"	29,258	516,556	916	15,410	531,966
Chopped grain feed	"	1,202	36,765	3,864	94,865	131,630
Offal, not otherwise specified	"	26,070	493,712	9	140	493,852
All other products	-	-	-	-	145	145
T O T A L	-	-	16,437,087	-	342,355	16,779,442

THE FLOUR MILLING INDUSTRY IN CANADA, 1938.

Table 2. - Production of Flour Mills by Classes and the Provinces, 1938 --(Continued.)

Products	Unit of Measure	Custom or Exchange Grinding				Total Selling Value at Mill
		Merchant Grinding		Grinding		
		Quantity	Value	Quantity	Value	
					\$	\$
ALBERTA						
Wheat flour -						
Spring No. 1 Patent	Barrel	905,387	5,671,065	21,669	105,546	5,776,611
Spring No. 2 Patent	"	404,877	2,369,577	3,912	20,891	2,390,468
Spring Straight	"	123,003	565,179	24,810	108,791	673,970
Low grade	"	58,403	143,115	1,093	3,552	146,667
Feed flour	"	7,808	24,080	160	160	24,240
All other	"	42,657	258,070	11,433	56,825	314,895
Flour and meal, other -						
Wholewheat and Graham						
flour	Lb.	1,978,934	62,571	9,500	187	62,758
Prepared or self-raising						
flour	"	184,200	5,147	-	-	5,147
Rye flour	"	4,088	85	20,000	400	485
Breakfast foods -						
Prepared breakfast foods..	Lb.	63,900	7,668	-	-	7,668
Oatmeal	"	823,532	28,054	-	-	28,054
Rolled oats	"	9,701,503	333,535	-	-	333,535
Rolled or flaked wheat ...	"	6,625	185	6,164	185	370
Other cereal products	"	2,619,633	130,413	22,876	686	131,099
Other products -						
Barley, pot and pearl	Lb.	100,026	2,985	-	-	2,985
Stock and Poultry foods ..	Ton	723	18,297	-	-	18,297
Shorts and middlings	"	23,358	470,966	1,339	22,092	493,058
Bran	"	23,358	437,481	1,619	24,461	461,942
Chopped grain feed	"	2,522	71,063	6,954	161,390	232,453
Offal, not otherwise						
specified	"	5,974	97,281	4	80	97,361
All other products	-	-	5,097	-	500	5,597
TOTAL	-	-	10,701,914	-	505,746	11,207,660
BRITISH COLUMBIA						
Wheat flour -						
Spring No. 2 Patent	Barrel	1,536	9,676	341	2,148	11,824
Spring Straight	"	1,142	5,399	170	637	6,036
Low grade	"	40	160	-	-	160
All other	"	66,611	289,758	-	-	289,758
Flour and meal, other -						
Wholewheat and Graham						
flour	Lb.	106,105	3,722	-	-	3,722
Breakfast foods -						
Prepared breakfast foods..	Lb.	7,000	1,400	-	-	1,400
Rolled or flaked wheat....	"	1,000	37	-	-	37
Other cereal products	"	108,033	3,158	-	-	3,158

THE FLOUR MILLING INDUSTRY IN CANADA, 1938.

Table 2. - Production in Flour Mills by Classes and the Provinces, 1938. - (Concluded)

Products	Unit of Measure	Merchant Grinding		Custom or Exchange Grinding		Total Selling Value at Mill
		Quantity	Value	Quantity	Value	
<u>BRITISH COLUMBIA-Con.</u>						
Other products --			\$		\$	\$
Stock and Poultry foods.	Ton	202	8,388	-	-	8,388
Shorts and middlings ...	"	1,313	31,663	16	320	31,983
Bran	"	1,176	28,264	14	266	28,530
Chopped grain feed	"	212	6,360	511	15,462	21,822
Alfalfa meal	"	120	2,400	50	900	3,300
All other products	-	-	873	-	-	873
T O T A L	-	-	391,258	-	19,733	410,991

Table 3. - Materials Used in Flour Mills, by Provinces, 1938.

Materials	Unit of Measure	C A N A D A		Prince Edward Island		
		Quantity	Value	Quantity	Value	
			\$		\$	
Wheat	Bushel	59,903,612	69,246,444	27,795	26,166	
Oats	"	10,780,148	4,832,772	19,713	7,958	
Barley	"	936,720	526,547	50	20	
Rye	"	125,555	92,769	-	-	
Corn	"	1,445,645	1,091,675	-	-	
Buckwheat	"	118,497	79,699	-	-	
Peas	"	19,837	23,213	-	-	
Mixed grain for chopping ...	"	5,873,225	2,641,401	15,586	7,323	
Other grains	"	126,862	65,861	-	-	
All other materials	-	-	615,453	-	-	
Cost of containers purchased	-	-	4,836,228	-	90	
Cost of materials used in making containers	-	-	15,178	-	-	
T O T A L	-	-	84,067,240	-	41,557	
			Nova Scotia and New Brunswick		Quebec	
			Quantity	Value	Quantity	Value
				\$		\$
Wheat	Bushel	13,942	13,462	7,984,341	10,226,599	
Oats	"	21,739	9,484	380,421	188,520	
Barley	"	2,815	1,407	315,707	196,913	
Rye	"	-	-	300	260	
Corn	"	-	-	186,607	153,576	
Buckwheat	"	14,905	9,275	75,717	52,765	
Peas	"	-	-	13,490	13,490	
Mixed grain for chopping ...	"	31,250	15,625	354,987	185,143	
Other grains	"	770	415	8,934	7,610	
All other materials	-	-	-	-	2,520	
Cost of containers purchased	-	-	-	-	465,039	
Cost of materials used in making containers	-	-	-	-	3,467	
T O T A L	-	-	49,669	-	11,495,902	

THE FLOUR MILLING INDUSTRY IN CANADA, 1938.

Table 3. - Materials Used in Flour Mills, by Provinces, 1938. - (Concluded).

	Unit of Measure	Ontario		Manitoba		Saskatchewan	
		Quantity	Value	Quantity	Value	Quantity	Value
			\$		\$		\$
Wheat	Bushel	28,784,649	31,952,940	5,545,531	6,500,162	10,099,625	12,372,866
Oats	"	6,103,471	2,491,062	1,025,193	539,237	2,373,527	1,201,704
Barley	"	346,798	198,727	141,133	65,494	51,854	27,341
Rye	"	115,490	87,545	2,078	617	1,489	690
Corn	"	1,238,412	917,334	17,484	17,325	440	380
Buckwheat	"	27,103	17,098	772	561	-	-
Peas	"	5,751	9,399	-	-	-	-
Mixed grain for chopping	"	4,977,192	2,226,067	82,101	40,339	150,615	56,331
Other grains	"	82,643	48,046	30,684	5,620	960	950
All other materials ...	-	-	537,326	-	36,766	-	3,672
Cost of containers purchased	-	-	2,425,413	-	446,619	-	914,868
Cost of materials used in making containers.	-	-	6,107	-	1,019	-	3,364
T O T A L	-	-	40,917,064	-	7,653,759	-	14,582,166
		ALBERTA		BRITISH COLUMBIA			
		Quantity	Value	Quantity	Value		
			\$		\$		
Wheat	Bushel	7,121,665	7,926,497	326,064	227,751		
Oats	"	830,701	384,251	25,383	10,556		
Barley	"	69,037	31,761	9,326	4,884		
Rye	"	6,198	3,657	-	-		
Corn	"	2,702	3,060	-	-		
Buckwheat	"	-	-	-	-		
Peas	"	-	-	596	324		
Mixed grain for chopping	"	261,494	110,573	-	-		
Other grains	"	2,871	3,220	-	-		
All other materials ...	-	-	31,309	-	3,860		
Cost of containers purchased	-	-	565,730	-	18,469		
Cost of materials used in making containers.	-	-	1,221	-	-		
T O T A L	-	-	9,061,279	-	265,844		

THE FLOUR MILLING INDUSTRY IN CANADA, 1938.

Table 4. - Capital Invested in Flour Mills, for the Years, 1929 - 38.

Year	Fixed Capital	Working Capital		Total Capital
	Present value of land, buildings, fixtures machinery, tools, etc.	Inventory value of materials on hand, Stocks in process, finished products, Fuel and Miscellaneous supplies, etc.	Cash trading, and operating accounts, etc.	
	\$	\$	\$	\$
1929	32,642,100	18,667,581	9,905,524	61,215,205
1930	31,585,282	14,214,592	10,464,274	56,264,148
1931	32,655,385	10,488,360	11,906,616	55,050,361
1932	31,359,420	10,638,336	10,419,583	52,417,339
1933	27,636,312	15,048,400	9,304,720	51,989,432
1934	25,548,362	17,643,149	9,300,169	52,491,680
1935	25,228,104	15,702,433	9,347,584	50,278,121
1936	23,909,429	18,189,697	13,175,964	55,275,090
<u>1 9 3 7</u>				
CANADA	23,667,541	18,111,125	7,839,078	49,617,744
Prince Edward Island. Nova Scotia and New Brunswick	61,494 64,100	2,055 725	1,224 -	64,773 64,825
Quebec	2,028,111	1,954,262	2,687,309	6,669,682
Ontario	12,235,167	6,866,567	1,659,511	20,761,245
Manitoba	2,558,217	2,195,801	628,618	5,382,636
Saskatchewan	3,341,343	4,131,271	1,868,289	9,340,903
Alberta	3,250,285	2,812,035	974,808	7,037,128
British Columbia	128,824	148,409	19,319	296,552
<u>1 9 3 8</u>				
CANADA	23,804,230	9,361,972	10,229,531	43,395,733
Prince Edward Island. Nova Scotia and New Brunswick	48,196 57,600	1,052 600	1,275 -	50,523 58,200
Quebec	1,907,341	857,892	2,158,812	4,924,045
Ontario	12,685,280	4,023,176	2,304,151	19,012,607
Manitoba	2,563,507	776,114	939,348	4,278,969
Saskatchewan	3,223,715	2,174,471	3,754,922	9,153,108
Alberta	3,190,182	1,458,979	1,024,311	5,673,472
British Columbia	128,409	69,688	46,712	244,809

THE FLOUR MILLING INDUSTRY IN CANADA, 1938.

Table 5. - Size of Establishments, 1937 and 1938.

Establishments having a production of -	Estab- lish- ments	Capital Invested	Em- ployees	Salaries and Wages	Cost of Materials Used	Total Production
	No.	\$	No.	\$	\$	\$
<u>1937</u>						
Under \$50,000	226	2,629,079	394	240,463	3,165,998	3,925,229
\$50,000 to \$100,000	44	1,418,775	210	195,382	2,677,542	3,225,341
\$100,000 to \$200,000	23	1,269,154	193	181,836	2,715,170	3,251,726
\$200,000 to \$500,000	10	1,218,463	144	164,998	2,396,637	2,843,770
\$500,000 to \$1,000,000	8	1,520,344	212	253,162	4,941,592	5,723,676
\$1,000,000 to \$5,000,000	17	18,607,045	1,573	1,878,171	32,757,893	38,208,035
\$5,000,000 and over	7	22,954,884	1,743	2,155,303	45,361,908	55,566,802
TOTAL	335	49,617,744	4,469	5,069,315	94,016,740	112,744,579
<u>1938</u>						
Under \$50,000	241	3,404,035	543	425,396	43,318,634	4,066,290
\$50,000 to \$100,000	31	989,797	178	163,602	1,716,311	2,140,788
\$100,000 to \$200,000	18	1,216,408	182	196,418	2,004,545	2,491,878
\$200,000 to \$500,000	10	1,528,971	200	239,547	2,717,999	3,303,607
\$500,000 to \$1,000,000	7	1,403,797	206	248,842	4,275,988	5,100,506
\$1,000,000 to \$5,000,000	14	14,005,213	1,426	1,743,916	25,581,480	31,122,802
\$5,000,000 and over	7	20,847,512	1,719	2,316,645	4,452,283	55,660,441
TOTAL	328	43,395,733	4,454	5,334,366	84,067,240	103,886,310

THE FLOUR MILLING INDUSTRY IN CANADA, 1938.

Table 6. - Daily Capacity of Flour Mills, 1937 and 1938.

Capacity of Mills per day of 24 hours -	Number of Mills	Total Capacity of the Mills in each group	Average per estab- lishment	Per cent of Total	Number of barrels produced during the year	Average per estab- lishment	Per cent of Total
<u>1937</u>							
Under 100 Barrels	218	9,067	42	8.9	293,113	1,345	2.1
100 to 199 Barrels	72	8,550	119	8.4	575,405	7,992	4.1
200 to 299 Barrels	12	2,615	218	2.6	253,672	21,139	1.8
300 to 499 Barrels	5	1,775	355	1.7	445,203	89,040	3.1
500 to 999 Barrels	8	5,325	666	5.2	1,052,322	131,540	7.4
1,000 to 2,999 Barrels	11	20,660	1,878	20.2	4,054,451	368,586	28.5
3,000 to 4,999 Barrels	4	14,250	3,562	14.0	2,580,482	645,120	18.2
5,000 Barrels and over	5	39,815	7,963	39.0	4,953,912	990,782	34.8
TOTAL AND AVERAGE	335	102,057	305	100.0	14,208,560	42,414	100.0
<u>1938</u>							
Under 100 Barrels	215	8,961	42	8.7	296,965	1,381	2.2
100 to 199 Barrels	70	8,350	119	8.2	558,669	7,981	4.2
200 to 299 Barrels	10	2,225	223	2.2	225,191	22,519	1.7
300 to 499 Barrels	5	1,950	390	1.9	452,456	90,491	3.4
500 to 999 Barrels	8	5,595	699	5.5	989,855	123,732	7.4
1,000 to 2,999 Barrels	11	21,010	1,910	20.5	3,693,994	335,817	27.6
3,000 to 4,999 Barrels	4	14,250	3,563	14.0	2,346,242	586,560	17.6
5,000 Barrels and over	5	39,815	7,963	39.0	4,790,148	958,029	35.9
TOTAL AND AVERAGE	328	102,156	312	100.0	13,353,520	40,712	100.0

THE FLOUR MILLING INDUSTRY IN CANADA, 1938.

Table 7. - Employees, Salaries and Wages in Flour Mills, 1937 and 1938.

	Employees on Salaries			Employees on Wages			Total Employees Salaries and Wages		
	Male	Female	Total Salaries	Male	Female	Total Wages	Male	Female	Salaries and Wages
	No.	No.	\$	No.	No.	\$	No.	No.	\$
<u>1937</u>									
CANADA	1,030	182	1,921,502	3,111	146	3,147,813	4,141	328	5,069,315
Prince Edward Island	8	-	3,426	6	-	3,270	14	-	6,696
Nova Scotia and New Brunswick.	3	-	1,060	10	-	4,952	13	-	6,012
Quebec	196	20	425,918	367	1	337,915	563	21	763,853
Ontario	310	90	585,116	1,650	111	1,726,747	1,960	201	2,311,863
Manitoba	104	11	175,130	375	20	336,566	479	31	511,696
Saskatchewan ..	193	31	342,395	286	11	327,155	479	42	669,550
Alberta	209	30	375,557	397	3	389,841	606	33	765,398
British Columbia	7	-	12,900	20	-	21,367	27	-	34,267
<u>1938</u>									
CANADA	1,083	209	2,098,192	3,018	144	3,236,174	4,101	353	5,334,366
Prince Edward Island	5	-	1,450	5	-	2,520	10	-	3,970
Nova Scotia and New Brunswick.	5	-	1,445	6	1	3,750	11	1	5,195
Quebec	183	19	430,517	347	2	338,986	530	21	769,503
Ontario	364	113	739,668	1,633	102	1,854,808	1,997	215	2,594,476
Manitoba	108	13	176,858	347	20	307,994	455	33	484,852
Saskatchewan ..	198	34	348,948	279	14	328,486	477	48	677,434
Alberta	211	30	384,619	384	5	380,213	595	35	764,832
British Columbia	9	-	14,687	17	-	19,417	26	-	34,104

THE FLOUR MILLING INDUSTRY IN CANADA, 1938.

Table 8. - Monthly Employment of Wage-earners, 1937 and 1938.

Months	In Flour Mills			
	1937		1938	
	Male	Female	Male	Female
	No.	No.	No.	No.
January	3,097	157	2,829	129
February	3,027	140	2,856	131
March	2,983	123	2,876	128
April	2,994	129	2,908	132
May	3,059	136	2,912	122
June	3,028	137	2,924	121
July	3,051	139	2,904	132
August	3,128	147	2,981	150
September	3,243	156	3,275	163
October	3,259	149	3,355	187
November	3,199	159	3,227	164
December	3,125	158	3,025	130
TOTAL	37,193	1,730	36,072	1,689
Average monthly employment..	3,111	146	3,018	144

Table 9. - Number of Wage-earners in Month of Highest Employment with their Regular Hours of Work and Average Weekly Earnings, 1938.

Number of Hours Worked per week	Number of Employees		Number of Hours Worked per week	Number of Employees	
	Male	Female		Male	Female
30 hours or less.	56	3	51 - 54 hours	220	2
31 - 43 hours ...	38	7	55 hours	292	1
44 hours	29	27	56 - 64 hours	610	1
45 - 47 hours ...	34	1	65 hours and over	91	-
48 hours	1,803	114	Average hours per week.	51.4	46.5
49 - 50 hours ...	45	1	Average weekly earnings	\$20.51	\$13.26

The above table does not include overtime.

THE FLOUR MILLING INDUSTRY IN CANADA, 1938.

Table 10. - Power Equipment in Flour Mills, 1937 and 1938.

Classes of Power	1937		1938	
	Number of Units	Manufacturers' Rating of Horse-power Capacity	Number of Units	Manufacturers' Rating of Horse-power Capacity
Steam engines and steam turbines	(In use) 61	8,999	60	8,804
	(Idle) 9	567	9	607
Diesel engines	(In use) 39	1,976	45	2,212
	(Idle) 1	9	5	107
Gasoline, gas and oil engines other than diesel	(In use) 38	881	48	1,075
	(Idle) 11	279	10	321
Hydraulic turbines or water wheels	(In use) 240	15,462	213	14,867
	(Idle) 4	150	4	115
Electric motors operated by purchased power ..	(In use) 1,463	48,563	1,551	48,316
	(Idle) 78	3,850	84	4,709
TOTAL POWER USED IN MANUFACTURING	1,944	80,736	2,029	81,133
Electric motors operated by power generated by the establishment	(In use) 91	3,673	85	2,975
	(Idle) -	-	3	255
Boilers	(In use) 100	12,502	99	11,308
	(Idle) 3	155	2	200

Table 11. - Consumption of Fuel and Electricity, 1937 and 1938.

Kinds of Fuel	Unit of Measure	1937		1938	
		Quantity	Cost Value	Quantity	Cost Value
Coal -	Ton		\$		\$
Bituminous	(2000 Lb.)	27,200	149,632	21,104	109,124
Anthracite	"	208	1,862	136	1,509
Lignite	"	15,316	46,209	14,482	42,424
Coke	"	15	122	142	696
Gasoline	Imp. Gal.	33,478	6,428	32,997	7,124
Fuel oil	" "	142,913	17,348	168,576	21,034
Wood	Cord	12,810	36,205	12,573	33,243
Gas, manufactured and natural	M cu. ft.	461,120	27,198	404,352	26,526
All other fuel	-	-	6,633	-	14,578
TOTAL COST OF FUEL ...	-	-	291,637	-	256,258
Electricity purchased.	K. W. H.	94,985,283	674,456	92,412,242	682,360
TOTAL COST OF FUEL AND ELECTRICITY	-	-	966,093	-	938,618

THE FEED AND CHOPPING MILL INDUSTRY IN CANADA, 1938.

SECTION 3. - FEED AND CHOPPING MILLS IN CANADA, 1938.

Table 1. - Principal Statistics of the Feed and Chopping Mill Industries in Canada for the Years 1924 - 1938.

Year	Estab-lish-ments	Capital Invested	Em-ployees	Salaries and Wages	Cost of Materials Used	Gross Value of Production
	No.	\$	No.	\$	\$	\$
1923	827	4,130,380	910	540,042	12,494,781	16,852,189
1924	852	4,846,670	1,024	648,412	14,959,436	19,182,998
1925	855	5,093,202	1,047	685,331	16,094,695	19,906,832
1926	849	5,154,458	1,160	736,179	17,915,541	21,046,462
1927	884	5,695,314	1,236	814,361	20,456,869	24,144,145
1928	894	5,947,496	1,271	861,259	20,164,304	23,626,329
1929	916	6,558,329	1,310	863,316	20,369,239	23,874,360
1930	894	6,352,859	1,250	793,889	16,853,969	20,351,422
1931	893	6,018,831	1,261	755,501	12,688,173	16,136,937
1932	896	5,865,873	1,261	664,024	10,763,345	13,713,517
1933	915	7,065,073	1,317	685,448	11,578,261	14,575,475
1934	875	6,801,746	1,370	691,321	12,656,243	15,575,583
1935	743	6,197,194	1,210	685,828	12,693,050	15,611,931
1936	755	6,592,197	1,269	757,035	16,641,994	20,296,505
<u>1937</u>						
CANADA	751	6,662,288	1,334	808,441	17,541,591	20,889,600
Prince Edward Island and Nova Scotia	8	165,700	23	28,104	684,182	779,350
New Brunswick	19	412,138	78	69,114	615,641	710,322
Quebec	148	827,748	184	82,302	1,522,609	1,876,110
Ontario	508	4,903,511	950	576,281	13,723,732	16,273,145
Manitoba	8	51,918	14	14,335	144,571	181,664
Saskatchewan	21	69,281	26	8,370	149,386	191,758
Alberta	34	105,059	48	20,635	657,084	819,945
British Columbia ...	5	126,933	11	9,300	44,386	57,306
<u>1938</u>						
CANADA	752	6,715,273	1,324	828,985	15,351,554	18,711,858
Prince Edward Island	4	10,550	4	616	11,147	13,500
Nova Scotia	7	157,309	18	18,083	613,524	689,911
New Brunswick	19	481,915	82	71,946	610,340	710,168
Quebec	122	701,972	146	62,548	1,022,964	1,308,308
Ontario	528	5,023,282	977	628,708	12,238,806	14,909,064
Manitoba	8	78,448	16	13,479	96,166	134,248
Saskatchewan	16	44,851	17	4,701	89,551	109,601
Alberta	44	140,826	55	22,584	637,271	797,437
British Columbia ...	4	76,120	9	6,320	31,785	39,621

THE FEED AND CHOPPING MILL INDUSTRY IN CANADA, 1938.

Table 2. - Production in Feed and Chopping Mills by Classes, Quantity and Value for Canada and the Provinces, 1937 and 1938.

Provinces	Chopped Grain Feed		Other Products	Total
	Quantity	Value	Value	Value
		\$	\$	\$
<u>1937</u>				
CANADA	556,907	18,129,031	2,760,569	20,889,600
Prince Edward Island and Nova Scotia	644	22,526	756,824	779,350
New Brunswick	3,636	128,478	581,847	710,322
Quebec	55,988	1,866,622	9,488	1,876,110
Ontario	457,616	14,980,810	1,292,335	16,273,145
Manitoba	4,219	127,880	53,784	181,664
Saskatchewan	5,634	174,639	17,119	191,758
Alberta	28,517	804,015	15,930	819,945
British Columbia	653	24,064	33,242	57,300
<u>1938</u>				
CANADA	591,484	16,323,704	2,388,154	18,711,858
Prince Edward Island ..	458	13,500	-	13,500
Nova Scotia	370	13,477	676,434	689,911
New Brunswick	3,411	115,695	594,473	710,168
Quebec	40,824	1,305,617	2,691	1,308,308
Ontario	506,136	13,872,124	1,036,940	14,909,064
Manitoba	3,607	86,665	47,583	134,248
Saskatchewan	3,985	106,668	2,933	109,601
Alberta	31,969	791,557	5,880	797,437
British Columbia	724	18,401	21,220	39,621

Table 3. - Materials Used in Feed and Chopping Mills, 1937 and 1938.

Materials	Unit of Measure	C A N A D A			
		1937		1938	
		Quantity	Value	Quantity	Value
		\$		\$	
Wheat	Bushel	207,337	219,027	365,319	260,957
Oats	"	3,708,096	1,718,444	3,433,203	1,417,268
Barley	"	1,418,562	706,593	1,224,844	622,977
Rye	"	49,187	37,889	49,695	33,343
Corn	"	1,848,456	1,505,255	1,623,744	1,324,838
Buckwheat	"	202,441	139,930	172,966	106,197
Peas	"	33,441	48,208	21,499	30,530
Mixed grain	"	22,921,357	12,621,125	24,585,742	11,091,322
Other grains	"	240,858	122,341	285,291	124,985
Cost of containers	-	-	143,428	-	105,152
All other materials	-	-	279,351	-	554
					233,431
TOTAL	-	-	17,541,591	-	15,351,554

THE FEED AND CHOPPING MILL INDUSTRY IN CANADA, 1938.

Table 4. - Capital Invested in Feed and Chopping Mills in Canada, for the Years 1924 - 1938.

Year	Fixed Capital	Working 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.	Total Capital
	\$	\$	\$	\$
1923	3,545,866	221,881	362,633	4,130,380
1924	3,991,916	433,654	421,100	4,846,670
1925	4,182,898	455,277	455,027	5,093,202
1926	4,146,477	470,925	537,056	5,154,458
1927	4,439,973	604,963	650,378	5,695,314
1928	4,606,578	694,514	646,404	5,947,496
1929	5,135,863	773,207	649,259	6,558,329
1930	5,190,789	598,200	563,870	6,352,859
1931	4,769,977	600,184	648,670	6,018,831
1932	4,643,405	513,708	708,760	5,865,873
1933	5,636,916	680,919	747,238	7,065,073
1934	5,177,302	751,160	873,284	6,801,746
1935	4,769,086	658,972	769,136	6,197,194
1936	4,857,890	893,784	840,523	6,592,197
<u>1937</u>				
CANADA	4,865,347	908,866	888,075	6,662,288
Prince Edward Island and Nova Scotia ..	61,317	25,634	78,749	165,700
New Brunswick	135,650	178,862	97,626	412,138
Quebec	702,340	71,671	53,737	827,748
Ontario	3,723,921	596,860	582,730	4,903,511
Manitoba	40,310	2,795	8,813	51,918
Saskatchewan	61,282	4,563	3,436	69,281
Alberta	85,336	8,115	11,608	105,059
British Columbia ..	55,191	20,366	51,376	126,933
<u>1938</u>				
CANADA	4,883,222	921,036	911,015	6,715,273
Prince Edward Island	10,000	200	350	10,550
Nova Scotia	73,867	17,306	66,136	157,309
New Brunswick	150,485	245,178	86,252	481,915
Quebec	584,556	70,742	46,674	701,972
Ontario	3,843,803	546,480	632,999	5,023,282
Manitoba	38,130	19,893	20,425	78,448
Saskatchewan	33,691	5,457	5,703	44,851
Alberta	119,669	6,264	14,893	140,826
British Columbia ..	29,021	9,516	37,583	76,120

THE FEED AND CHOPPING MILL INDUSTRY IN CANADA, 1938.

Table 5. - Size of Establishments, 1937 and 1938.

Establishments having a production of -	Estab- lish- ments	Capital Invested	Em- ployees	Salaries and Wages	Cost of Materials Used	Total Production
	No.	\$	No.	\$	\$	\$
<u>1937</u>						
Under \$50,000	657	3,953,244	930	457,060	10,804,585	12,939,963
\$50,000 to \$100,000	79	968,462	200	143,213	4,162,381	4,953,544
\$100,000 to \$200,000	11	308,800	69	56,463	1,273,039	1,484,901
\$200,000 to \$500,000	4	1,431,782	135	151,705	1,301,586	1,511,192
T O T A L	751	6,662,288	1,334	808,441	17,541,591	20,889,600
<u>1938</u>						
Under \$50,000	689	4,180,560	987	512,775	10,603,224	13,044,560
\$50,000 to \$100,000	51	809,751	150	126,894	2,768,939	3,389,391
\$100,000 to \$200,000	8	259,235	54	48,108	889,047	1,035,776
\$200,000 to \$500,000	4	1,465,727	133	141,208	1,090,344	1,242,131
T O T A L	752	6,715,273	1,324	828,985	15,351,554	18,711,858

THE FEED AND CHOPPING MILL INDUSTRY IN CANADA, 1938.

Table 6. - Employees, Salaries and Wages in Feed and Chopping Mills, 1937 and 1938.

	Employees on Salaries			Employees on Wages			Total Employees, Salaries and Wages		
	Male	Female	Total Salaries	Male	Female	Total Wages	Male	Female	Salaries and Wages
	No.	No.	\$	No.	No.	\$	No.	No.	\$
<u>1937</u>									
CANADA	602	19	373,743	706	7	434,698	1,308	26	808,441
Prince Edward Island and Nova Scotia.....	4	1	8,338	18	-	19,766	22	1	28,104
New Brunswick.....	19	8	23,237	51	-	45,877	70	8	69,114
Quebec	131	-	59,834	53	-	22,468	184	-	82,302
Ontario	386	9	250,326	549	6	325,955	935	15	576,281
Manitoba	8	-	10,150	6	-	4,185	14	-	14,335
Saskatchewan	19	-	4,340	7	-	4,030	26	-	8,370
Alberta	31	1	14,598	15	1	6,037	46	2	20,635
British Columbia .	4	-	2,920	7	-	6,380	11	-	9,300
<u>1938</u>									
CANADA	588	19	366,281	710	7	462,704	1,298	26	828,985
Prince Edward Island	4	-	616	-	-	-	4	-	616
Nova Scotia	1	-	400	17	-	17,683	18	-	18,083
New Brunswick	22	8	21,793	52	-	50,153	74	8	71,946
Quebec	97	-	39,452	49	-	23,096	146	-	62,548
Ontario	402	10	273,937	558	7	354,771	960	17	628,708
Manitoba	8	-	9,280	8	-	4,199	16	-	13,479
Saskatchewan	12	-	2,210	5	-	2,491	17	-	4,701
Alberta	37	1	15,993	17	-	6,591	54	1	22,584
British Columbia..	5	-	2,600	4	-	3,720	9	-	6,320

THE FEED AND CHOPPING MILL INDUSTRY IN CANADA, 1938.

Table 7. - Monthly Employment of Wage-earners, 1937 and 1938.

Months	In Feed and Chopping Mills			
	1937		1938	
	Male	Female	Male	Female
	No.	No.	No.	No.
January	963	6	695	7
February	685	6	693	7
March	682	6	687	8
April	647	6	663	8
May	605	7	628	8
June	595	7	606	8
July	600	7	607	5
August	621	7	611	5
September	641	6	696	6
October	707	6	706	6
November	726	5	730	6
December	713	6	710	6
TOTAL	7,915	75	8,032	80
Average monthly employment	706	7	710	7

Table 8. - Number of Wage-earners in Month of Highest Employment with their Regular Hours of Work and Average Weekly Earnings, 1938.

Number of Hours Worked per Week	Number of Employees		Number of Hours Worked per week	Number of Employees	
	Male	Female		Male	Female
30 hours or less ..	51	1	51 - 54 hours	136	2
31 - 43 hours	74	1	55 hours	40	-
44 hours	29	-	56 - 64 hours	269	1
45 - 47 hours	5	-	65 hours and over..	8	-
48 hours	103	1	Average hours per week	51.0	46.3
49 - 50 hours	15	1	Average weekly earnings	\$12.77	\$ 9.57

The above table does not include overtime.

THE FEED AND CHOPPING MILL INDUSTRY IN CANADA, 1938.

Table 9. Power Equipment in Feed and Chopping Mills, 1937 and 1938.

Classes of Power	1937		1938	
	Number of Units	Manufacturers' Rating of Horse-power Capacity	Number of Units	Manufacturers' Rating of Horse-power Capacity
Steam engines and steam turbines	(In use) 26 (Idle) 3	1,180 235	27 1	1,196 100
Diesel engines	(In use) 147 (Idle) 5	6,311 263	154 2	6,868 145
Gasoline, gas and oil engines, other than diesel	(In use) 196 (Idle) 19	6,022 450	187 25	5,909 677
Hydraulic turbines or water wheels	(In use) 317 (Idle) 13	11,278 485	299 14	10,583 1,007
Electric motors operated by purchased power	(In use) 447 (Idle) 14	9,236 1,286	462 18	9,361 1,369
TOTAL POWER USED IN MANUFACTURING	1,187	36,746	1,189	37,215
Electric motors operated by power generated by the establishment	3	39	7	151
Total Electric Motors	464	10,561	487	10,881
TOTAL POWER INSTALLATION	1,190	36,785	1,196	37,366
Boilers	(In use) 25 (Idle) 2	1,476 250	25 2	1,260 250

Table 10. - Consumption of Fuel and Electricity in Feed and Chopping Mills, 1937 and 1938.

Kinds of Fuel	Unit of Measure	1937		1938	
		Quantity	Total Cost at Mill	Quantity	Total Cost at Mill
Coal --	Ton		\$		\$
Bituminous	(2000 lb.)	2,927	19,138	3,114	19,490
Anthracite	"	446	4,720	434	4,554
Lignite	"	226	831	108	516
Coke	"	13	171	6	75
Gasoline	Imp. Gal.	130,884	28,491	133,235	28,327
Kerosene or coal oil	" "	4,162	798	3,052	606
Fuel or diesel oil	" "	349,677	38,126	413,424	43,805
Wood	Cord	2,015	7,427	1,381	4,097
Gas, manufactured and natural	M cu.ft.	11,715	6,736	13,647	7,377
Other fuel	-	-	3,758	-	4,197
TOTAL COST OF FUEL	-	-	110,196	-	113,044
Electricity purchased	K. W. H.	7,144,986	145,203	6,609,783	138,614
Electricity generated for sale	"	5,816	238	5,718	237
TOTAL COST OF FUEL AND ELECTRICITY	-	-	255,637	-	251,895

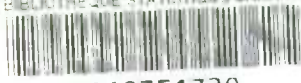
THE FINE AND CHEMICAL WIRE INDUSTRY IN DENMARK, 1928.

Table 1. - Production of wire in the fine and chemical wire industry, 1928.

Year	Production of wire in the fine and chemical wire industry, 1928	Production of wire in the fine and chemical wire industry, 1928	Production of wire in the fine and chemical wire industry, 1928	Production of wire in the fine and chemical wire industry, 1928	1928	
					Production of wire in the fine and chemical wire industry, 1928	Production of wire in the fine and chemical wire industry, 1928
1928	1,200	1,200	1,200	1,200	1,200	1,200
1927	1,100	1,100	1,100	1,100	1,100	1,100
1926	1,000	1,000	1,000	1,000	1,000	1,000
1925	900	900	900	900	900	900
1924	800	800	800	800	800	800
1923	700	700	700	700	700	700
1922	600	600	600	600	600	600
1921	500	500	500	500	500	500
1920	400	400	400	400	400	400
1919	300	300	300	300	300	300
1918	200	200	200	200	200	200
1917	100	100	100	100	100	100
1916	50	50	50	50	50	50
1915	25	25	25	25	25	25
1914	10	10	10	10	10	10
1913	5	5	5	5	5	5
1912	2	2	2	2	2	2
1911	1	1	1	1	1	1
1910	0	0	0	0	0	0
1909	0	0	0	0	0	0
1908	0	0	0	0	0	0
1907	0	0	0	0	0	0
1906	0	0	0	0	0	0
1905	0	0	0	0	0	0
1904	0	0	0	0	0	0
1903	0	0	0	0	0	0
1902	0	0	0	0	0	0
1901	0	0	0	0	0	0
1900	0	0	0	0	0	0

Year	Production of wire in the fine and chemical wire industry, 1928	Production of wire in the fine and chemical wire industry, 1928	Production of wire in the fine and chemical wire industry, 1928	Production of wire in the fine and chemical wire industry, 1928	1928	
					Production of wire in the fine and chemical wire industry, 1928	Production of wire in the fine and chemical wire industry, 1928
1928	1,200	1,200	1,200	1,200	1,200	1,200
1927	1,100	1,100	1,100	1,100	1,100	1,100
1926	1,000	1,000	1,000	1,000	1,000	1,000
1925	900	900	900	900	900	900
1924	800	800	800	800	800	800
1923	700	700	700	700	700	700
1922	600	600	600	600	600	600
1921	500	500	500	500	500	500
1920	400	400	400	400	400	400
1919	300	300	300	300	300	300
1918	200	200	200	200	200	200
1917	100	100	100	100	100	100
1916	50	50	50	50	50	50
1915	25	25	25	25	25	25
1914	10	10	10	10	10	10
1913	5	5	5	5	5	5
1912	2	2	2	2	2	2
1911	1	1	1	1	1	1
1910	0	0	0	0	0	0
1909	0	0	0	0	0	0
1908	0	0	0	0	0	0
1907	0	0	0	0	0	0
1906	0	0	0	0	0	0
1905	0	0	0	0	0	0
1904	0	0	0	0	0	0
1903	0	0	0	0	0	0
1902	0	0	0	0	0	0
1901	0	0	0	0	0	0
1900	0	0	0	0	0	0

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