CANADA

DEPARTMENT OF TRADE AND COMMERCE

DOMINION BUREAU OF STATISTICS

CENSUS OF INDUSTRY

REPORT

on the

FLOUR MILLING INDUSTRY

in

CANADA

1930

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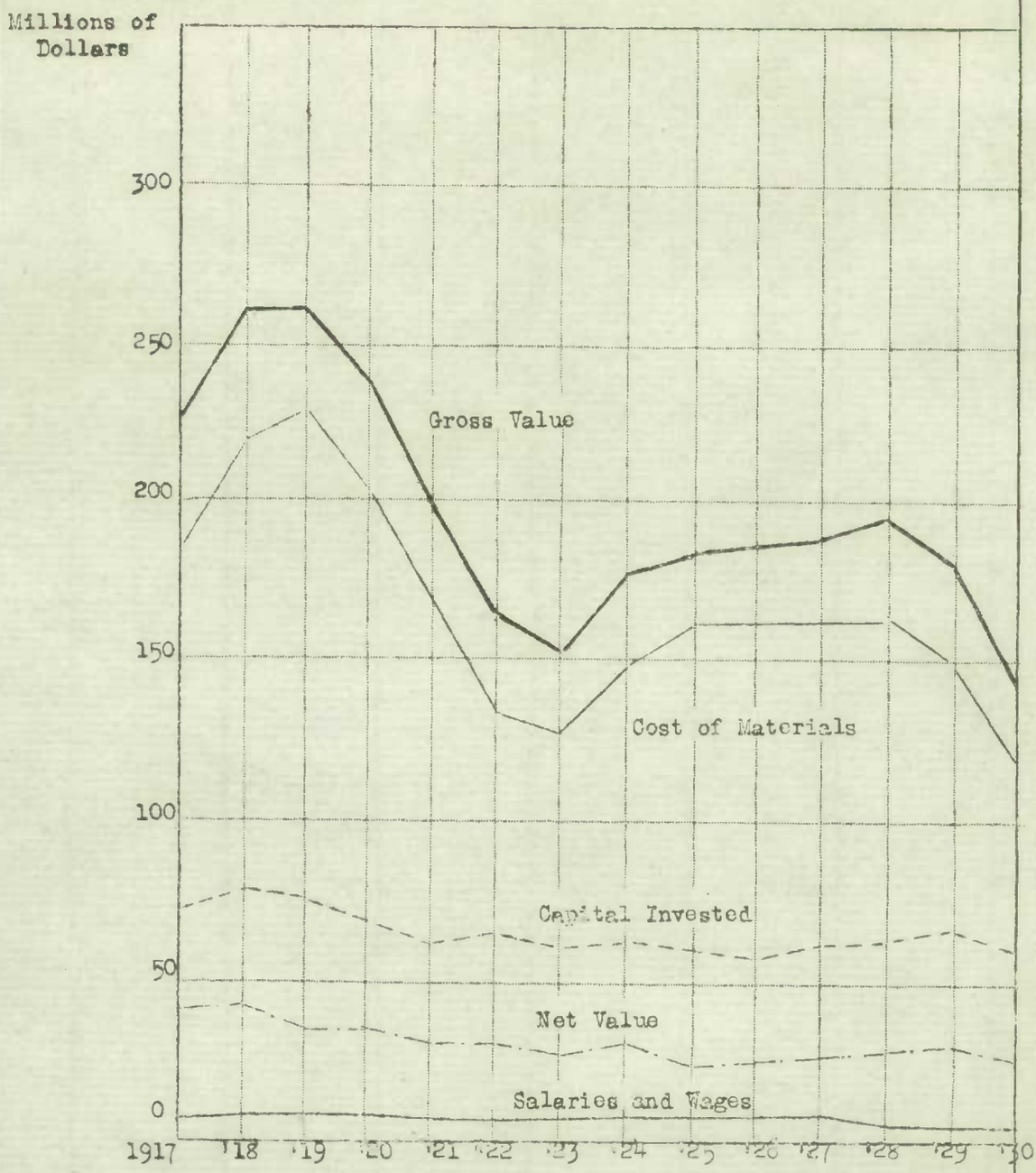
FLOUR AND GRIST MILL INDUSTRY



DEPARTMENT OF TRADE AND COMMERCE
DOMINION BUREAU OF STATISTICS

CENSUS OF INDUSTRY

OTTAWA, CANADA

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THE FLOUR MILLING INDUSTRY IN CANADA, 1930.

OTTAWA, March 1932. - The flour and grist milling industry in Canada for the calendar year 1930 shows a decrease in value of production when compared with the year immediately preceding. In 1926 the increase was largely due to an increase in production of the principal commodities whilst in 1927 and 1928 the increase was due to an increase in the production of certain of the principal commodities, such as chopped feed and bran, shorts and middlings. In 1930 there was a decrease in value of production which is accounted for by two main causes.- a decrease in the physical volume of production and also in the market prices of the principal commodities. A summary table showing the quantity of wheat milled and of flour produced from the date of the first annual census in 1917 to the latest year for which the information has been collected and also the average cost prices of wheat and of the selling value of flour for each year of the period follows:-

	Wheat Milled			Flour Produced		
	Quantity Bush.	Cost at Mill $	Avge. cost per Bush. $	Quantity Bbl.	Selling value at Mill $	Avge. cost per Bbl. $
1917	84,478,264	163,880,832	1.94	17,687,[illegible]	170,381,834	9.63
1918	78,486,826	174,947,782	2.22	17,880,912	189,096,238	10.58
1919	78,591,648	178,900,649	2.28	17,842,833	185,982,307	10.42
1920	61,116,380	151,094,018	2.47	13,127,320	153,117,662	11.66
1921	70,005,373	129,312,439	1.84	15,321,759	136,257,285	8.89
1922	81,413,649	102,[illegible]3,200	1.26	18,055,010	112,445,551	6.23
1923	85,699,645	94,140,440	1.10	19,075,814	102,571,212	5.37
1924	95,750,772	112,419,521	1.17	21,076,733	121,786,505	5.78
1925	80,901,984	125,843,917	1.56	17,769,071	131,857,785	7.42
1926	86,200,877	123,266,112	1.43	19,056,162	131,187,907	6.88
1927	86,807,691	119,441,749	1.38	18,787,312	125,110,853	6.66
1928	94,819,885	120,053,595	1.27	20,389,5[illegible]2	124,774,280	6.12
1929	90,670,311	106,541,806	1.17	19,756,422	114,552,634	5.80
1930	72,255,844	83,895,700	1.16	15,624,267	90,713,659	5.80

THE FLOUR MILLING INDUSTRY IN CANADA, 1930.

In the table below are given the principal items of mill production, showing quantity, selling value and average value at the mill or point of production for the years 1921 to 1930. During this period, the average price of wheatflour and oatmeal products was highest in 1921 and lowest in 1923. Bran, shorts and middlings were highest in 1928 and lowest in 1922, while chopped feed was highest in 1921 and lowest in 1930.

Quantity and Value of Principal Mill Products in Canada, 1921 to 1930.

Products	Unit	Quantity	Selling Value at Mill	Average Value
			$	$
1921				
Wheatflour, 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
1922				
Wheatflour, all grades	bbls.	18,098,212	112,749,505	6.23
Oatmeal and rolled oats	"	803,333	5,577,473	6.94
Bran, shorts and middlings	tons	652,708	14,351,839	21.99
Feed, chopped	"	703,499	26,694,424	37.92
1923				
Wheatflour, all grades	bbls.	19,075,814	102,571,212	5.37
Oatmeal and rolled oats	"	658,273	4,444,936	6.75
Bran, shorts and middlings	tons	640,317	14,775,544	23.08
Feed, chopped	"	780,664	26,602,025	34.08
1924				
Wheatflour, all grades	bbls.	21,076,733	121,786,505	5.78
Oatmeal and rolled oats	"	1,077,811	6,875,091	6.38
Bran, shorts and middlings	tons	728,841	18,060,813	24.78
Feed, chopped	"	763,910	27,552,914	36.07
1925				
Wheatflour, 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
1926				
Wheatflour, all grades	bbls.	19,056,162	131,187,907	6.89
Oatmeal and rolled oats	"	884,375	6,251,572	7.07
Bran, shorts and middlings	tons	651,428	16,930,909	25.99
Feed, chopped	"	843,148	29,027,954	34.43
1927				
Wheatflour, all grades	bbls.	18,787,312	125,110,853	6.66
Oatmeal and rolled oats	"	699,495	5,941,067	8.49
Bran, shorts and middlings	tons	681,439	19,400,565	28.47
Feed, chopped	"	924,225	33,345,468	36.08
1928				
Wheatflour, all grades	bbls.	20,389,542	124,774,280	6.12
Oatmeal and rolled oats	"	879,012	7,049,731	8.02
Bran, shorts and middlings	tons	758,986	23,420,514	30.86
Feed, chopped	"	876,128	31,592,663	36.06
1929				
Wheatflour, 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
1930				
Wheatflour, all grades	bbls.	15,624,267	90,713,659	5.80
Oatmeal and rolled oats	"	730,928	6,211,086	8.50
Bran, shorts and middlings	tons	566,149	15,017,969	26.53
Feed, chopped	"	805,727	26,057,218	32.34

THE FLOUR MILLING INDUSTRY IN CANADA, 1930.

As shown in the following table, the value of production of the milling industry in 1930 amounted to $144,855,946. The 1,277 establishments reporting to the Bureau had a capital investment of $62,617,007 in fixed and current assets. They also furnished employment to 5,923 employees who were paid $6,679,113 in salaries and wages and paid out $119,677,686 for materials. The principal items of production were 15,624,267 bbls. of wheatflour valued at $90,713,659, 805,727 tons of chopped feed valued at $26,057,218, 566,149 tons of brans, shorts and middlings valued at $15,017,969 and 730,928 tons of oatmeal and rolled oats valued at $6,211,086.

The statistics published in the present report include only the statistics of such manufacturing establishments as make flour and feed as their principal products. Statistics relating to specific products are therefore not to be regarded as comprehensive, since such products as cereal foods, etc., are also found as primary products of the "cereal foods" and "miscellaneous food" industries.

The general depression prevailing in 1930 affected this industry in common with the rest. Compared with the previous year, there was a decrease of 48 establishments with a decrease of $5,156,527 in the capital invested. The value of production also dropped $36,292,743 or 20 per cent, while the number of persons employed was only 695 or 10.5 per cent lower than the previous year.

Canada being one of the largest exporters of wheatflour in the world, the milling industry is therefore greatly affected by changes in the foreign demand for its products. Wheatflour which is the principal milled product exported dropped from 9,573,880 bbls. in 1929 to 7,514,778 bbls. in 1930. This accounts in large measure for the decrease in the value of production of this industry in 1930. The output of wheatflour was reduced 4,132,155 bbls., while the output of the other main items of production was also substantially lower.

Detailed statistics of production, capital employed, materials used, imports and exports, employment, etc., will be found in the tables following.

Principal Statistics showing the Growth of the Milling Industry in Canada during the 10 Year Period, 1921 to 1930, is given in the following Table.

Year	Establishments No.	Capital $	Total Employees No.	Total Salaries and Wages $	Cost of Materials $	Value of Products $
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	7,450,408	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

THE FLOUR MILLING INDUSTRY IN CANADA, 1930.

Plants in Operation, 1929 and 1930.

The number of operating mills in the provinces and the Dominion during the calendar years 1929 and 1930 is shown in Table 1, a distinction being made between mills producing flour and other cereals as their principal product and those engaged in the chopping of grains for feed purposes.

Table 1. - Mills in Operation by Provinces, 1929 and 1930.

Provinces	1929			1930		
	Flour and Grist Mills No.	Feed Mills No.	All Mills No.	Flour and Grist Mills No.	Feed Mills No.	All Mills No.
CANADA	409	916	1,325	383	894	1,277
Prince Edward Island	17	2	19	15	2	17
Nova Scotia	9	11	20	8	10	18
New Brunswick	12	22	34	11	22	33
Quebec	83	278	361	82	268	350
Ontario	173	544	717	149	535	684
Manitoba	28	11	39	30	8	38
Saskatchewan	48	18	66	47	30	77
Alberta	35	28	63	37	17	54
British Columbia	4	2	6	4	2	6

Equipment and Capacity of Mills, 1929 and 1930.

The equipment and capacity of flour mills for the calendar years 1929 and 1930 is presented in Table 2 for the Dominion and the provinces. The gradual elimination of the smaller class of custom mills accounts for the variation in the equipment and in the per diem capacity.

Table 2. - Equipment and Capacity of Flour Mills, 1929 and 1930.

Provinces	1929				1930			
	Mills No.	Rolls No.	Stones No.	Capacity per 24 hours Bbls.	Mills No.	Rolls No.	Stones No.	Capacity per 24 hours Bbls.
CANADA	409	5,375	250	122,727	383	5,119	248	117,407
Prince Edward Island	17	72	20	553	15	69	19	545
Nova Scotia	9	48	7	648	8	47	5	618
New Brunswick	12	81	2	701	11	73	2	661
Quebec	83	758	157	18,600	82	761	159	18,980
Ontario	173	2,587	47	61,857	149	2,352	43	57,470
Manitoba	28	552	3	11,845	30	563	5	12,087
Saskatchewan	48	584	13	14,208	47	552	14	12,907
Alberta	35	627	-	13,335	37	636	-	13,014
British Columbia	4	66	1	980	4	66	1	1,125

THE FLOUR MILLING INDUSTRY IN CANADA, 1930.

Size of Establishments

The tendency towards concentration in industrial enterprises is presented in a series of tables showing in a threefold way the size of establishments in the flour milling industry measured by (a) capital investment, (b) gross value of production or output and (c) the number of persons employed, all within certain specified groups or limitations for the calendar years 1929 and 1930. The tables also indicate the movement of capital, production and employment within the industry.

In 1930, the number of establishments reporting was 1,277 with a total capital investment of $62,617,007, a total gross value of production of $144,855,946 and a total employment of 5,923. Of the total number of establishments 21 had a combined capital of $43,134,332, or 68.9 per cent of the total investment and an average investment of $2,054,015 per establishment. In gross value of production 27 establishments had a combined output of $98,622,836, or 68.1 per cent of the total output and an average output per establishment of $3,652,698. In employment 14 establishments had a combined payroll of 2,655 persons or 44.8 per cent of the total number employed with an average employment of 189.6 per establishment.

Table 3.- Size of establishments compared by groups of values of capital investment, gross value of production and employment, 1929 and 1930.

(a) Capital Invested Groups of Values	1929			1930		
	Establishments	Total Capital	Average Capital per establishment	Establishments	Total Capital	Average Capital per establishment
	No.	$	$	No.	$	$
Under $50,000	1,231	10,460,406	8,497	1,191	10,034,900	8,425
$50,000 to under $100,000	33	2,247,292	68,100	31	1,983,240	63,652
$100,000 to under $200,000	21	2,882,037	137,240	19	2,571,212	135,326
$200,000 to under $500,000	16	5,005,226	312,827	15	4,893,323	326,221
$500,000 to under $1,000,000	4	2,476,192	619,048	)		
$1,000,000 and over	20	44,702,381	2,235,119	21	43,134,332	2,054,015
Total	1,325	67,773,534	51,150	1,277	62,617,007	49,034

(b) Gross Value of Production	Establishments	Total Gross Value of production	Average gross value per establishment	Establishments	Total gross value of production	Average gross value per establishment
	No.	$	$	No.	$	$
Under $50,000	1,034	17,669,549	17,088	1,064	22,775,068	21,405
$50,000 to under $100,000	178	12,293,022	69,062	130	8,706,863	66,975
$100,000 to under $200,000	47	6,377,643	135,695	30	3,963,544	132,118
$200,000 to under $500,000	22	6,965,759	316,625	20	6,739,305	336,965
$500,000 to under $1,000,000	13	8,924,014	686,463	6	4,048,330	674,721
$1,000,000 to under $5,000,000	23	59,161,578	2,572,243	20	43,257,960	2,162,898
$5,000,000 and over	8	69,757,124	8,719,640	7	55,364,876	7,909,268
Total	1,325	181,148,689	136,716	1,277	144,855,946	113,434

(c) Employees Groups of Employees	Establishments	Total Employees	Average employees per establishment	Establishments	Total Employees	Average employees per establishment
	No.	No.	No.	No.	No.	No.
Under 20	1,283	2,385	1.8	1,242	2,270	1.8
20 but under 50	17	489	28.7	12	389	32.4
50 but under 100	9	649	72.1	9	609	67.6
100 but under 200	10	1,359	135.9	9	1,247	138.5
200 but under 500	6	1,736	289.3	5	1,408	281.6
Total	1,325	6,618	4.9	1,277	5,923	4.6

THE FLOUR MILLING INDUSTRY IN CANADA, 1930.

Production

The quantity and selling value of the products of the industry is given by classes of mills, by provinces in Tables 4 and 5 compared for the years 1929 and 1930. The total production in all mills fell from $181,148,689 in 1929 to $144,855,946 in 1930, a decrease of $36,292,743. The value of production in flour mills in 1929 was $157,274,329, whilst the amount reported for 1930 was $124,504,524, a decrease of $32,769,805. In chopping and feed mills the value of products also declined from $23,874,360 in 1929 to $20,351,422 in 1930, a decrease of $3,522,938.

Table 4. - Production in Flour and Grist Mills by Classes, Canada and the Provinces, 1929.

	Unit	Merchant Grinding		Custom or Exchange Grinding		Total Selling Value at Mill
		Quantity	Value	Quantity	Value	
			$		$	$
CANADA						
Chopped grain feed	ton	83,290	2,556,301	189,148	7,021,586	9,577,887
Wheat flour -						
Fall or winter	bbl.	982,225	5,862,767	19,674	120,100	5,982,867
Spring	"	18,031,517	104,096,368	263,018	1,729,655	105,826,023
Blended	"	456,409	2,718,764	3,579	24,980	2,743,744
Low grade or feed	ton	33,325	1,392,137	505	17,496	1,409,633
Shorts and middlings	"	432,915	12,416,581	6,217	180,310	12,596,891
Bran	"	268,630	7,158,964	5,982	162,813	7,321,777
Oatmeal	lb.	6,305,632	201,323	9,500	475	201,798
Rolled oats	"	134,339,528	6,361,304	-	-	6,361,304
Barley -						
Pot and pearl	lb.	2,551,318	93,382	-	-	93,382
Flour and meal	"	440,800	9,049	-	-	9,049
Rye, flour & meal	"	1,317,227	40,324	9,600	315	40,639
Corn -						
Flour	lb.	547,918	18,446	-	-	18,446
Meal	"	33,668,859	803,144	60,000	1,500	804,644
Cracked	"	10,166,404	245,075	140,000	3,500	248,575
Buckwheat flour	"	480,867	17,116	1,732,874	74,676	91,792
Peas -						
Meal	lb.	58,000	1,390	-	-	1,390
Split	"	-	-	-	-	-
Offal, not otherwise specified	ton	81,217	1,678,732	915	22,273	1,701,005
All other cereal products (value only)		-	-	-	-	1,586,216
All other products (value only)	-	-	-	-	-	657,267
Total	-	-	145,671,167	-	9,359,679	157,274,329
Prince Edward Island						
Chopped grain feed	ton	8	300	1,755	63,107	63,407
Wheat flour -						
Fall or winter	bbl.	-	-	-	-	-
Spring	"	482	3,346	14,879	105,031	108,377
Blended	"	-	-	-	-	-
Low grade or feed	ton	7	330	72	3,400	3,730
Shorts & middlings	"	6	266	266	9,515	9,781
Bran	"	9	320	313	10,663	10,983
Oatmeal	lb.	850	42	3,500	175	217
Rolled oats	"	-	-	-	-	-
Barley -						
Pot and pearl	lb.	-	-	-	-	-
Flour and meal	"	-	-	-	-	-
Rye, flour & meal	"	-	-	-	-	-
Corn -						
Flour	"	-	-	-	-	-
Meal	"	-	-	-	-	-
Cracked	"	-	-	-	-	-
Buckwheat flour	"	-	-	3,620	181	181
Peas -						
Meal	lb.	-	-	-	-	-
Split	"	-	-	-	-	-
Offal, not otherwise specified	ton	-	-	2	30	30
Total	-	-	4,604	-	192,102	196,706

THE FLOUR MILLING INDUSTRY IN CANADA, 1930.

Table 4. - Production in flour and grist mills by classes, Canada and the provinces, 1929 - Cont'd.

Products	Unit	Merchant Grinding		Custom or Exchange Grinding		Total Selling Value at Mill
		Quantity	Value	Quantity	Value	
			$		$	$
Nova Scotia						
Chopped grain feed	ton	-	-	1,992	71,840	71,840
Wheat flour -						
Fall or winter	bbl.	-	-	-	-	-
Spring	"	1,600	11,760	2,303	17,009	28,769
Blended	"	-	-	-	-	-
Low grade or feed	ton	-	-	-	-	-
Shorts and middlings	"	50	900	43	1,644	2,544
Bran	"	30	840	40	1,330	2,170
Oatmeal	lb.	-	-	6,000	300	300
Rolled oats	"	-	-	-	-	-
Barley -						
Pot and pearl	lb.	-	-	-	-	-
Flour and meal	"	-	-	-	-	-
Rye, flour and meal	"	-	-	-	-	-
Corn -						
Flour	lb.	-		-	-	-
Meal	"	12,148,000	237,960	-	-	237,960
Cracked	"	-	-	-	-	-
Buckwheat flour	"	-	-	168,310	8,055	8,055
Peas -						
Meal	lb.	-	-	-	-	-
Split	"	-	-	-	-	-
Offal not otherwise specified	ton	1,200	18,000	39	785	18,785
All other cereal products (value only)	-	-	-	-	-	-
All other products (value only)	-	-	-	-	-	400
Total	-	-	269,460	-	100,363	370,823
New Brunswick						
Chopped grain feed	ton	[illegible]	1,470	563	23,160	24,630
Wheat flour -						
Fall or winter	bbl.	-	-	-	-	-
Spring	"	820	5,720	5,994	43,793	49,513
Blended	"	-	-	850	6,800	-
Low grade or feed	ton	-	-	-	-	-
Shorts and middlings	"	20	636	130	4,273	4,909
Bran	"	15	430	145	4,486	4,916
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	3,000	1,505,764	64,443	67,443
Peas -						
Meal	lb.	-	-	-	-	-
Split	"	-	-	-	-	-
Offal, not otherwise specified	ton	60	1,200	756	18,495	19,695
All other cereal products (value only)	-	-	-	-	-	200
All other products (value only)	-	-	-	-	-	-
Total	-	-	12,456	-	165,450	178,106

THE FLOUR MILLING INDUSTRY IN CANADA, 1930.

Table 4. - Production in Flour and Grist Mills by classes, Canada and the Provinces, 1929 - Cont'd.

Products	Unit	Merchant Grinding		Custom or Exchange Grinding		Total Selling Value at Mill
		Quantity	Value	Quantity	Value	
			$		$	
Quebec						
Chopped grain feed	ton	7,045	282,074	18,838	711,140	993,214
Wheat flour -						
Fall or winter	bbl.	24	180	1,134	9,085	9,265
Spring	"	2,942,697	17,686,446	23,860	165,778	17,852,224
Blended	"	7,535	58,529	2,501	16,584	75,113
Low grade or feed	ton	10,261	501,831	-	-	501,831
Shorts and middlings	"	64,898	2,082,841	548	18,233	2,101,074
Bran	"	41,245	1,205,712	594	18,723	1,224,435
Oatmeal	lb.	-	-	-	-	-
Rolled oats	"	-	-	-	-	-
Barley -						
Pot and pearl	"	254,996	9,357	-	-	9,357
Flour and meal	"	440,800	9,049	-	-	9,049
Rye, flour and meal	"	-	-	-	-	-
Corn -						
Flour	"	547,918	18,446	-	-	18,446
Meal	"	3,051,526	67,800	-	-	67,800
Cracked	"	1,602,142	36,621	-	-	36,621
Buckwheat flour	"	133,700	4,545	44,900	1,650	6,195
Peas -						
Meal	"	-	-	-	-	-
Split	"	-	-	-	-	-
Offal, not otherwise specified	ton	644	17,077	43	1,075	18,152
All other cereal products (value only)	-	-	-	-	-	-
All other products (value only)	-	-	-	-	-	-
Total	-	-	21,980,508	-	942,268	22,922,776
Ontario						
Chopped grain feed	ton	62,720	1,748,582	148,733	5,550,092	7,298,674
Wheat flour -						
Fall or winter	bbl.	968,788	5,780,753	4,710	33,235	5,813,988
Spring	"	8,148,144	45,278,259	20,209	119,459	45,397,718
Blended	"	71,480	453,337	228	1,596	454,983
Low grade or feed	ton	19,467	756,604	13	523	757,127
Shorts and middlings	"	198,188	5,930,963	533	19,449	5,950,412
Bran	"	122,872	3,472,100	417	13,616	3,485,716
Oatmeal	lb.	-	-	-	-	-
Rolled oats	"	57,472,110	3,539,100	-	-	3,539,100
Barley -						
Pot and pearl	"	1,104,988	38,295	-	-	38,295
Flour and meal	"	-	-	-	-	-
Rye, flour and meal	"	1,290,327	39,615	-	-	39,615
Corn -						
Flour	"	-	-	-	-	-
Meal	"	11,277,333	328,102	60,000	1,500	329,602
Cracked	"	4,197,582	97,808	140,000	3,500	101,308
Buckwheat flour	"	247,167	9,571	10,280	347	9,918
Peas -						
Meal	"	58,000	1,390	-	-	1,390
Split	"	-	-	-	-	-
Offal, not otherwise specified	ton	33,290	803,513	5	75	803,588
All other cereal products (value only)	-	-	-	-	-	1,390,050
All other products (value only)	-	-	-	-	-	651,409
Total	-	-	68,278,042	-	5,743,392	76,062,893

THE FLOUR MILLING INDUSTRY IN CANADA, 1930.

Table 4. - Production in Flour and Grist Mills by Classes, Canada and the Provinces, 1929 - Cont'd.

Products	Unit	Merchant Grinding		Custom or Exchange Grinding		Total Selling Value at Mill
		Quantity	Value	Quantity	Value	
			$		$	
Manitoba						
Chopped grain feed	ton	3,923	137,890	6,495	226,855	364,745
Wheat flour -						
Fall or winter	bbl.	800	4,800	5,895	30,795	35,595
Spring	"	2,132,655	13,146,587	36,477	242,628	13,389,215
Blended	"	-	-	-	-	-
Low grade or feed	ton	34	1,268	53	1,578	2,844
Shorts and middlings	"	38,781	1,136,965	1,021	29,921	1,166,886
Bran	"	27,811	738,987	975	24,638	763,625
Oatmeal	lb.	3,613,888	109,887	-	-	109,887
Rolled oats	"	29,986,746	923,247	-	-	923,247
Barley -						
Pot and pearl	"	281,119	9,204	-	-	9,204
Flour and meal	"	-	-	-	-	-
Rye, flour and meal	"	25,900	677	-	-	677
Corn -						
Flour	"	-	-	-	-	-
Meal	"	-	-	-	-	-
Cracked	"	246,680	4,845	-	-	4,845
Buckwheat flour	"	-	-	-	-	-
Peas -						
Meal	"	-	-	-	-	-
Split	"	-	-	-	-	-
Offal, not otherwise specified	ton	9,378	134,175	4	67	134,242
All other cereal products (value only)	-	-	-	-	-	140
All other products (value only)	-	-	-	-	-	158
Total	-	-	16,348,532	-	556,480	16,905,310
Saskatchewan						
Chopped grain feed	ton	1,237	41,039	4,462	154,558	195,597
Wheat flour -						
Fall or winter	bbl.	11,905	71,430	3,407	19,755	91,185
Spring	"	2,332,648	13,[illegible],746	73,454	490,175	13,621,921
Blended	"	1,933	[illegible],531	-	-	13,531
Low grade or feed	ton	1,368	46,381	43	1,707	48,088
Shorts and middlings	"	62,733	1,572,255	1,691	46,732	1,618,987
Bran	"	37,329	824,673	1,710	45,263	869,936
Oatmeal	lb.	2,690,894	91,394	-	-	91,394
Rolled oats	"	40,262,183	1,647,140	-	-	1,647,140
Barley -						
Pot and pearl	"	838,488	33,703	-	-	33,703
Flour and meal	"	-	-	-	-	-
Rye, flour and meal	"	1,000	32	9,600	315	347
Corn -						
Flour	"	-	-	-	-	-
Meal	"	-	-	-	-	-
Cracked	"	-	-	-	-	-
Buckwheat flour	"	-	-	-	-	-
Peas -						
Meal	"	-	-	-	-	-
Split	"	-	-	-	-	-
Offal, not otherwise specified	ton	31,389	629,144	1	20	629,164
All other cereal products (value only)	-	-	-	-	-	54,593
All other products (value only)	-	-	-	-	-	3,476
Total	-	-	18,102,468	-	758,525	18,919,062

THE FLOUR MILLING INDUSTRY IN CANADA, 1930.

Table 4. - Production in Flour and Grist Mills by Classes, Canada and the Provinces, 1929 - Cont'd.

Products	Unit	Merchant Grinding		Custom or Exchange Grinding		Total Selling Value at Mill
		Quantity	Value	Quantity	Value	
			$		$	
Alberta						
Chopped grain feed	ton	5,624	215,097	6,140	213,987	429,084
Wheat flour -						
Fall or winter	bbl.	65	460	4,528	27,230	27,690
Spring	"	2,278,948	13,583,495	85,546	543,214	14,126,709
Blended	"	375,461	2,193,317	-	-	2,193,317
Low grade or feed	ton	1,596	61,007	324	10,290	71,297
Shorts and middlings	"	62,416	1,530,777	1,897	50,263	1,581,040
Bran	"	37,494	855,676	1,783	43,888	899,564
Oatmeal	lb.	-	-	-	-	-
Rolled oats	"	6,618,489	251,817	-	-	251,817
Barley -						
Pot and pearl	"	71,727	2,823	-	-	2,823
Flour and meal	"	-	-	-	-	-
Rye, flour and meal	"	-	-	-	-	-
Corn -						
Flour	"	-	-	-	-	-
Meal	"	-	-	-	-	-
Cracked	"	-	-	-	-	-
Buckwheat flour	"	-	-	-	-	-
Peas -						
Meal	"	-	-	-	-	-
Split	"	-	-	-	-	-
Offal, not otherwise specified	ton	4,817	70,273	65	1,726	71,999
All other cereal products (value only)	-	-	-	-	-	139,297
All other products (value only)	-	-	-	-	-	1,824
Total	-	-	18,764,742	-	890,598	19,796,461
British Columbia						
Chopped grain feed	ton	2,684	129,849	170	6,847	136,696
All other cereal products (value only)	-	-	-	-	-	-
All other products (value only)	-	-	1,780,506	-	4,990	1,785,496
Total	-	-	1,910,355	-	11,837	1,922,192

THE FLOUR MILLING INDUSTRY IN CANADA, 1930.

Table 5. - Production in Flour and Grist Mills by Classes, Canada and the Provinces, 1930.

Products	Unit	Merchant Grinding		Custom or Exchange Grinding		Total Selling Value at Mill
		Quantity	Value	Quantity	Value	
CANADA			$		$	
Chopped grain feed	ton	81,317	2,686,011	160,285	5,097,119	7,783,130
Wheat flour -						
Fall or winter	bbl.	897,160	4,743,566	10,023	42,644	4,786,210
Spring	"	13,951,733	82,033,502	433,766	2,037,513	84,071,015
Blended	"	327,808	1,831,417	3,777	25,017	1,856,434
Low grade or feed	ton	21,628	797,130	927	28,051	825,181
Shorts and middlings	"	315,601	8,730,492	9,592	189,230	8,919,722
Bran	"	231,369	5,926,708	9,587	171,539	6,098,247
Oatmeal	lb.	6,353,799	239,001	23,240	1,162	240,163
Rolled oats	"	118,118,279	5,704,338	-	-	5,704,338
Barley -						
Pot and pearl	lb.	2,844,757	84,840	-	-	84,840
Flour and meal	"	898,500	14,987	-	-	14,987
Rye, flour and meal	"	949,253	20,005	190,370	5,233	25,238
Corn -						
Flour	lb.	524,398	16,730	-	-	16,730
Meal	"	24,668,918	547,356	74,660	1,678	549,034
Cracked	"	5,617,615	111,944	149,330	3,360	115,304
Buckwheat flour	"	419,475	10,858	1,946,608	62,095	72,953
Offal, not otherwise specified	ton	77,217	1,287,611	1,183	26,886	1,314,497
All other cereal products (value only)	-	-	-	-	-	2,020,438
All other products (value only)	-	-	-	-	-	6,063
Total	-	-	114,786,496	-	7,691,527	124,504,524
Prince Edward Island						
Chopped grain feed	ton	18	558	1,666	54,025	54,583
Wheat flour -						
Fall or winter	bbl.	-	-	-	-	-
Spring	"	1,076	6,439	15,621	96,565	103,004
Blended	"	-	-	1,870	13,090	13,090
Low grade or feed	ton	20	850	87	3,905	4,755
Shorts and middlings	"	20	652	350	11,911	12,563
Bran	"	9	257	423	12,052	12,309
Oatmeal	lb.	52,400	1,870	10,240	512	2,382
Rolled oats	"	-	-	-	-	-
Barley -						
Pot and pearl	lb.	-	-	-	-	-
Flour and meal	"	-	-	-	-	-
Rye, flour and meal	"	-	-	-	-	-
Corn -						
Flour	"	-	-	-	-	-
Meal	"	-	-	-	-	-
Cracked	"	-	-	-	-	-
Buckwheat flour	"	4,000	150	2,960	138	288
Offal, not otherwise specified	ton	2	42	1	20	62
All other cereal products (value only)	-	-	-	-	-	-
All other products (value only)	-	-	-	-	-	-
Total	-	-	10,818	-	192,218	203,036

THE FLOUR MILLING INDUSTRY IN CANADA, 1930.

Table 5. - Production in Flour and Grist Mills by Classes, Canada and the Provinces, 1930 - Cont'd.

Products	Unit	Merchant Grinding		Custom or Exchange Grinding		Total Selling Value at Mill
		Quantity	Value	Quantity	Value	
			$		$	$
Nova Scotia						
Chopped grain feed	ton	-	-	2,129	62,780	62,780
Wheat flour -						
Fall or winter	bbl.	-	-	-	-	-
Spring	"	1,800	9,900	2,750	14,117	24,017
Blended	"	-	-	-	-	-
Low grade or feed	ton	-	-	-	-	-
Shorts and Middlings	"	40	1,200	54	1,704	2,904
Bran	"	23	644	52	1,581	2,225
Oatmeal	lb.	-	-	13,000	650	650
Rolled oats	"	-	-	-	-	-
Barley -						
Pot and pearl	lb.	-	-	-	-	-
Flour and meal	"	-	-	-	-	-
Rye, flour & meal	"	-	-	-	-	-
Corn -						
Flour	lb.	-	-	-	-	-
Meal	"	11,986,800	200,780	-	-	200,780
Cracked	"	-	-	-	-	-
Buckwheat flour	"	-	-	169,340	5,928	5,928
Offal, not otherwise specified	ton	1,135	12,450	96	1,916	14,366
All other cereal products (value only)		-	-	-	-	-
All other products (value only)	-	-	-	-	-	-
Total	-	-	224,974	-	88,676	313,650
New Brunswick						
Chopped grain feed	ton	56	1,605	878	27,731	29,336
Wheat flour -						
Fall or winter	bbl.	91	546	-	-	546
Spring	"	380	2,280	8,240	46,530	48,810
Blended	"	-	-	795	4,770	4,770
Low grade or feed	ton	-	-	-	-	-
Shorts & middlings	"	16	526	209	6,328	6,854
Bran	"	12	399	188	5,552	5,951
Oatmeal	lb.	-	-	-	-	-
Rolled oats	"	-	-	-	-	-
Barley -						
Pot and pearl	lb.	-	-	-	-	-
Flour and meal	"	-	-	-	-	-
Rye, flour and meal	"	-	-	-	-	-
Corn -						
Flour	lb.	-	-	-	-	-
Meal	"	-	-	-	-	-
Cracked	"	-	-	-	-	-
Buckwheat flour	"	112,600	2,315	1,701,596	52,679	54,994
Offal, not otherwise specified	ton	77	1,885	855	20,871	22,756
All other cereal products (value only)		-	-	-	-	150
All other products (value only)	-	-	-	-	-	-
Total	-	-	9,556	-	164,461	174,167

THE FLOUR MILLING INDUSTRY IN CANADA, 1930.

Table 5. - Production in Flour and Grist Mills by classes, Canada and the Provinces, 1930 - Cont'd.

Products	Unit	Merchant Grinding		Custom or Exchange Grinding		Total Selling Value at Mill
		Quantity	Value	Quantity	Value	
			$		$	$
Quebec						
Chopped grain feed	ton	8,097	294,398	17,772	605,794	900,192
Wheat flour -						
Fall or winter	bbl.	1,868	8,608	676	3,456	12,064
Spring	"	2,758,079	16,094,204	20,339	105,272	16,199,476
Blended	"	3,743	19,650	839	5,790	25,440
Low grade or feed	ton	7,416	296,521	-	-	296,521
Shorts and middlings	"	54,872	1,525,011	509	13,015	1,538,026
Bran	"	44,455	1,266,135	460	11,550	1,277,685
Oatmeal	lb.	-	-	-	-	-
Rolled oats	"	-	-	-	-	-
Barley -						
Pot and pearl	"	202,076	6,899	-	-	6,899
Flour and meal	"	862,100	14,411	-	-	14,411
Rye, flour and meal	"	-	-	-	-	-
Corn -						
Flour	"	524,398	16,730	-	-	16,730
Meal	"	2,083,874	49,392	-	-	49,392
Cracked	"	1,127,342	24,760	-	-	24,760
Buckwheat flour	"	181,900	4,597	65,600	1,760	6,357
Offal, not otherwise specified	ton	715	22,980	116	2,875	25,855
All other cereal products (value only)	-	-	-	-	-	-
All other products (value only)	-	-	-	-	-	-
Total	-	-	19,644,296	-	749,512	20,393,808
Ontario						
Chopped grain feed	ton	55,399	1,753,264	123,823	4,016,473	5,769,737
Wheat flour -						
Fall or winter	bbl.	825,002	4,417,795	573	3,393	4,421,188
Spring	"	6,384,509	35,728,424	12,753	67,645	35,796,069
Blended	"	79,055	396,597	272	1,360	397,957
Low grade or feed	ton	10,569	366,183	5	192	366,375
Shorts and middlings	"	160,564	4,599,563	337	9,993	4,609,556
Bran	"	101,634	2,653,190	290	8,004	2,661,194
Oatmeal	lb.	161,640	2,020	-	-	2,020
Rolled oats	"	56,584,690	3,179,843	-	-	3,179,843
Barley -						
Pot and pearl	"	1,552,056	40,926	-	-	40,926
Flour and meal	"	36,400	576	-	-	576
Rye, flour and meal	"	946,213	19,928	550	1,650	21,578
Corn -						
Flour	"	-	-	-	-	-
Meal	"	10,598,244	297,184	74,660	1,678	298,862
Cracked	"	4,102,417	79,472	149,330	3,360	82,832
Buckwheat flour	"	120,975	3,796	7,112	1,590	5,386
Offal, not otherwise specified	ton	40,510	695,443	62	750	696,193
All other cereal products (value only)	-	-	-	-	-	1,851,430
All other products (value only)	-	-	-	-	-	4,213
Total	-	-	54,234,204	-	4,116,088	60,205,935

THE FLOUR MILLING INDUSTRY IN CANADA, 1930.

Table 5. - Production in Flour and Grist Mills by Classes, Canada and the Provinces, 1930 - Cont'd.

Products	Unit	Merchant Grinding		Custom or Exchange Grinding		Total Selling Value at Mill
		Quantity	Value	Quantity	Value	
			$		$	$
Manitoba						
Chopped grain feed	ton	4,327	153,242	5,304	135,228	288,470
Wheat flour -						
Fall or winter	bbl.	2,110	8,440	8,400	34,000	42,440
Spring	"	1,641,176	10,335,194	69,199	304,973	10,640,167
Blended	"	59	352	1	7	359
Low grade or feed	ton	30	671	153	6,439	7,110
Shorts and middlings	"	29,765	913,709	1,782	39,869	953,578
Bran	"	23,854	653,725	1,577	31,572	685,297
Oatmeal	lb.	1,735,280	54,820	-	-	54,820
Rolled oats	"	19,807,140	687,777	-	-	687,777
Barley -						
Pot and pearl	"	280,672	8,970	-	-	8,970
Flour and meal	"	-	-	-	-	-
Rye, flour and meal	"	-	-	181,500	3,455	3,455
Corn -						
Flour	"	-	-	-	-	-
Meal	"	-	-	-	-	-
Cracked	"	387,856	7,712	-	-	7,712
Buckwheat flour	"	-	-	-	-	-
Offal, not otherwise specified	ton	6,061	86,655	46	384	87,039
All other cereal products (value only)	-	-	-	-	-	-
All other products (value only)	-	-	-	-	-	-
Total	-	-	12,911,267	-	555,927	13,467,194
Saskatchewan						
Chopped grain feed	ton	1,042	25,502	4,173	102,391	127,893
Wheat flour -						
Fall or winter	bbl.	500	2,750	374	1,795	4,545
Spring	"	1,691,782	9,959,431	185,969	881,882	10,841,313
Blended	"	1,233	8,632	-	-	8,632
Low grade or feed	ton	852	29,113	422	10,000	39,113
Shorts and middlings	"	37,293	821,100	3,925	60,194	881,294
Bran	"	29,879	579,854	3,956	53,744	633,598
Oatmeal	lb.	1,921,226	80,961	-	-	80,961
Rolled oats	"	36,759,942	1,654,773	-	-	1,654,773
Barley -						
Pot and pearl	"	718,340	24,661	-	-	24,661
Flour and meal	"	-	-	-	-	-
Rye, flour and meal	"	3,040	77	8,320	128	205
Corn -						
Flour	"	-	-	-	-	-
Meal	"	-	-	-	-	-
Cracked	"	-	-	-	-	-
Buckwheat flour	"	-	-	-	-	-
Offal, not otherwise specified	ton	23,780	395,590	7	70	395,660
All other cereal products (value only)	-	-	-	-	-	59,478
All other products (value only)	-	-	-	-	-	342
Total	-	-	13,582,444	-	1,110,204	14,752,468

THE FLOUR MILLING INDUSTRY IN CANADA, 1930.

Table 5. - Production in Flour and Grist Mills by Classes, Canada and the Provinces, 1930 - Cont'd.

Products	Unit	Merchant Grinding		Custom or Exchange Grinding		Total Selling Value at Mill
		Quantity	Value	Quantity	Value	
			$		$	$
Alberta						
Chopped grain feed	ton	4,714	163,665	4,293	84,192	247,857
Wheat flour -						
Fall or winter	bbl.	67,245	303,074	-	-	303,074
Spring	"	1,439,412	9,037,753	118,480	517,380	9,555,133
Blended	"	243,718	1,406,186	-	-	1,406,186
Low grade or feed	ton	2,303	87,477	260	7,515	94,992
Shorts and middlings	"	30,933	806,120	2,416	45,898	852,018
Bran	"	28,894	700,249	2,633	47,235	747,484
Oatmeal	lb.	2,483,253	99,330	-	-	99,330
Rolled oats	"	4,966,507	181,945	-	-	181,945
Barley -						
Pot and pearl	"	91,613	3,384	-	-	3,384
Flour and meal	"	-	-	-	-	-
Rye, flour and meal	"	-	-	-	-	-
Corn -						
Flour	-	-	-	-	-	-
Meal	"	-	-	-	-	-
Cracked	"	-	-	-	-	-
Buckwheat flour	"	-	-	-	-	-
Offal, not otherwise specified	ton	4,859	71,718	-	-	71,718
All other cereal products (value only)	-	-	-	-	-	107,871
All other products (value only)	-	-	-	-	-	1,508
Total	-	-	12,860,901	-	702,220	13,672,500
British Columbia						
Chopped grain feed	ton	7,664	293,777	247	8,505	302,282
All other cereal products (value only)	-	-	-	-	-	1,019,484
All other products (value only)	-	-	-	-	-	-
Total	-	-	293,777	-	8,505	1,321,766

THE FLOUR MILLING INDUSTRY IN CANADA, 1930.

Table 5. - Production in Feed Mills by Classes, Quantity and Value, for Canada and the Provinces, 1929 and 1930.

	Chopped grain feed		Other Products	Total
	Quantity	Value	Value	Value
	Ton	$	$	$
1929				
Canada	576,260	21,349,449	2,524,911	23,874,360
Prince Edward Island	552	19,320	-	19,320
Nova Scotia	696	31,713	232,913	264,626
New Brunswick	6,507	300,923	1,236,649	1,537,572
Quebec	63,168	2,450,757	181,444	2,632,201
Ontario	474,160	17,535,676	634,701	18,170,377
Manitoba	5,207	183,706	37,450	221,156
Saskatchewan	6,467	219,043	13,791	232,834
Alberta	19,503	603,311	5,790	614,101
British Columbia	-	-	182,173	182,173
1930				
Canada	564,125	18,274,088	2,077,334	20,351,422
Prince Edward Island and Nova Scotia	1,870	68,960	282,748	351,708
New Brunswick	7,695	266,751	1,050,582	1,317,333
Quebec	64,319	2,204,021	29,035	2,233,056
Ontario	462,777	14,970,850	523,420	15,494,270
Manitoba	3,279	77,375	44,198	121,573
Saskatchewan	5,707	180,750	5,890	186,640
Alberta and British Columbia	18,478	505,381	141,461	646,842

Materials Used

The quantity and cost value of the grains milled during 1929 and 1930 is shown by provinces in Tables 6 and 7 for flour and grist mills and in Table 8 for feed and chopping mills.

The total cost of grains used in the flour and grist mills of the Dominion in 1929 was $120,893,883 and of containers $9,543,543. In 1930 the cost of grains was $96,646,269 and of containers $6,177,448. The total cost of all materials including containers amounted to $130,437,426 in 1929 and to $102,823,717 in 1930, a decrease of $27,613,709.

THE FLOUR MILLING INDUSTRY IN CANADA, 1930

Table 6. - Materials Used in Flour Mills, by Provinces, 1929.

Materials		CANADA		Pr. E. Island		Nova Scotia		New Brunswick		Quebec	
		Quantity	Value	Quantity	Value	Quantity	Value	Quantity	Value	Quantity	Value
			$		$		$		$		$
Wheat	Bush.	90,670,311	106,541,806	73,775	101,327	18,527	26,166	35,660	55,757	13,633,895	17,315,352
Oats	"	12,039,947	6,614,259	42,402	23,835	10,447	7,487	22,795	14,011	563,388	315,202
Barley	"	775,100	541,151	1,000	700	3,000	2,400	4,103	3,044	201,485	167,448
Rye	"	67,280	68,743	-	-	-	-	-	-	2,393	2,718
Corn	"	1,428,199	1,469,486	-	-	260,000	221,000	-	-	243,326	249,379
Buckwheat	"	140,743	122,468	-	-	5,377	4,935	68,930	58,200	33,118	30,282
Peas	"	2,340	2,870	400	390	-	-	-	-	670	1,000
Mixed grain for chopping	"	8,763,749	5,424,437	51,131	30,768	87,000	54,390	6,466	4,800	288,747	205,644
Other grains	"	187,198	62,841	-	-	-	-	-	-	43,240	33,400
All other materials (value only)		-	45,822	-	-	-	-	-	-	-	-
Cost of containers purchased	-	-	9,441,423	-	-	-	9,360	-	-	-	956,962
Cost of materials used in making containers	-	-	102,120	-	-	-	-	-	-	-	21,843
TOTAL	-	-	130,437,426	-	157,020	-	325,738	-	135,812	-	19,299,230

Materials		Ontario		Manitoba		Saskatchewan		Alberta		British Columbia	
		Quantity	Value	Quantity	Value	Quantity	Value	Quantity	Value	Quantity	Value
			$		$		$		$		$
Wheat	Bush.	41,945,153	51,478,280	9,541,540	10,866,101	11,818,465	11,972,255	12,668,571	13,597,954	934,725	1,128,614
Oats	"	6,140,457	3,326,436	1,629,054	925,508	2,680,161	1,485,682	813,341	421,972	137,902	94,126
Barley	"	283,289	193,475	95,138	57,635	93,070	59,201	74,979	40,418	19,036	16,830
Rye	"	56,784	59,162	5,507	4,551	810	591	1,786	1,721	-	-
Corn	"	682,563	715,808	24,492	24,880	-	-	15,961	18,210	201,857	240,209
Buckwheat	"	31,720	27,007	1,198	1,654	-	-	-	-	-	-
Peas	"	1,670	1,870	-	-	-	-	-	-	-	-
Mixed grains for chopping	"	7,762,690	4,800,683	217,487	124,599	143,361	83,255	206,867	120,298	-	-
Other grains	"	129,415	23,907	13,000	3,250	-	-	852	1,911	691	373
All other materials (value only)		-	45,822	-	-	-	-	-	-	-	-
Cost of containers purchased	-	-	4,363,343	-	1,071,387	-	1,484,914	-	1,470,480	-	84,977
Cost of materials used in making containers	-	-	7,384	-	506	-	20,881	-	51,506	-	-
TOTAL	-	-	65,043,177	-	13,080,071	-	15,106,779	-	15,724,470	-	1,565,129

THE FLOUR MILLING INDUSTRY IN CANADA, 1930.

Table 7. - Materials Used in Flour Mills by Provinces, 1930.

Materials		CANADA		P. E. Island		Nova Scotia		New Brunswick		Quebec	
		Quantity	Value	Quantity	Value	Quantity	Value	Quantity	Value	Quantity	Value
			$		$		$		$		$
Wheat	Bush.	72,255,844	83,895,700	93,277	110,994	20,712	18,426	45,867	47,615	12,627,596	15,876,562
Oats	"	10,494,907	5,697,618	72,900	33,599	12,801	7,683	40,909	19,062	494,569	254,983
Barley	"	1,140,908	637,186	-	-	5,000	4,000	7,595	5,587	270,406	173,949
Rye	"	43,125	28,557	-	-	-	-	-	-	528	515
Corn	"	1,421,446	1,258,927	-	-	254,600	183,312	-	-	151,292	164,760
Buckwheat	"	167,713	118,032	448	382	7,409	5,102	77,351	52,383	52,049	39,010
Peas	"	3,588	5,173	-	-	-	-	-	-	1,368	2,170
Mixed grains for chopping	"	7,409,814	4,025,375	24,500	12,534	89,795	41,746	200	110	389,030	239,113
Other grains	"	867,453	58,446	-	-	-	-	-	-	100	65
Cost of containers purchased	-	-	6,611,726	-	-	-	-	-	50	-	800,315
Cost of materials used in making containers	-	-	434,278	-	-	-	-	-	-	-	28,893
All other materials	-	-	52,699	-	-	-	-	-	-	-	10,150
TOTAL	-	-	102,823,717	-	157,509	-	260,269	-	124,807	-	17,590,485

		Ontario		Manitoba		Saskatchewan		Alberta		British Columbia	
		Quantity	Value	Quantity	Value	Quantity	Value	Quantity	Value	Quantity	Value
			$		$		$		$		$
Wheat	Bush.	34,012,739	40,222,268	7,545,616	8,956,593	8,824,531	8,713,138	8,445,021	9,186,379	640,485	763,725
Oats	"	5,560,702	2,945,437	1,139,404	656,555	2,292,428	1,302,081	737,759	400,246	143,435	77,972
Barley	"	518,272	292,326	150,353	64,855	81,675	33,574	81,681	45,175	25,926	17,720
Rye	"	26,672	21,879	8,269	2,902	1,830	939	5,744	2,246	82	76
Corn	"	798,267	673,882	31,174	31,445	-	-	19,758	24,239	166,355	181,289
Buckwheat	"	29,670	20,091	786	1,064	-	-	-	-	-	-
Peas	"	2,220	3,003	-	-	-	-	-	-	-	-
Mixed grain for chopping	"	6,476,945	3,576,022	141,168	55,968	134,417	55,221	153,759	44,661	-	-
Other grains	"	860,277	54,969	6,269	1,441	-	-	807	1,971	-	-
Cost of containers purchased	-	-	3,132,586	-	688,264	-	1,110,031	-	812,417	-	68,063
Cost of materials used in making containers	-	-	286,955	-	69,005	-	18,591	-	30,834	-	-
All other materials	-	-	30,287	-	-	-	7,360	-	4,902	-	-
TOTAL	-	-	51,259,705	-	10,528,092	-	11,240,935	-	10,553,070	-	1,108,845

THE FLOUR MILLING INDUSTRY IN CANADA, 1930.

Table 8. - Materials Used in Chopping Mills, by Provinces, 1929.

Materials		CANADA		P. E. Island		Nova Scotia		New Brunswick		Quebec	
		Quantity	Value	Quantity	Value	Quantity	Value	Quantity	Value	Quantity	Value
			$		$		$		$		$
Wheat	Bush.	273,081	275,728	-	-	66	70	-	-	62,160	61,941
Oats	"	4,247,947	2,360,472	2,400	1,200	3,751	2,421	338,432	245,137	1,013,197	548,940
Barley	"	892,130	657,955	-	-	2,220	1,731	6,969	5,290	239,726	199,873
Rye	"	30,583	29,852	-	-	-	-	-	-	2,145	2,170
Corn	"	1,675,673	1,801,691	-	-	170,651	192,106	969,778	1,033,801	274,784	310,792
Buckwheat	"	275,194	242,012	-	-	171	185	60,518	49,122	138,830	125,710
Peas	"	56,666	94,468	-	-	-	-	-	-	2,175	5,400
Mixed grain	"	22,980,879	14,655,928	25,600	14,460	27,564	19,379	26,153	17,642	1,3[illegible],345	965,606
Other grains	"	148,347	87,262	-	-	-	-	-	-	-	-
All other materials	-	-	37,696	-	-	-	-	-	-	-	10,390
Cost of containers, etc.	-	-	126,175	-	-	-	7,476	-	47,415	-	15,435
TOTAL	-	-	20,369,239	-	15,660	-	223,368	-	1,3[illegible],607	-	2,246,257

Materials		Ontario		Manitoba		Saskatchewan		Alberta		British Columbia	
		Quantity	Value	Quantity	Value	Quantity	Value	Quantity	Value	Quantity	Value
			$		$		$		$		$
Wheat	Bush.	149,228	156,761	333	400	2,077	2,426	47,205	38,103	12,012	16,027
Oats	"	2,267,956	1,278,471	94,788	53,552	144,910	71,866	248,678	77,031	133,835	81,854
Barley	"	476,471	352,677	22,557	15,508	54,552	34,329	74,635	38,547	15,000	10,000
Rye	"	27,335	26,661	1,070	1,000	-	-	33	21	-	-
Corn	"	223,264	230,458	16,000	15,500	357	357	5,839	6,677	15,000	12,000
Buckwheat	"	51,925	41,995	23,750	25,000	-	-	-	-	-	-
Peas	"	54,491	89,068	-	-	-	-	-	-	-	-
Mixed grain	"	20,686,421	13,177,364	131,850	79,110	128,265	73,429	595,681	308,738	-	-
Other grains	"	130,401	76,872	-	-	-	-	-	-	-	-
All other materials	-	-	35,136	-	-	-	-	-	2,560	-	-
Cost of containers, etc.	-	-	35,683	-	90	-	500	-	1,859	-	17,717
TOTAL	-	-	15,501,146	-	190,160	-	182,907	-	473,536	-	137,598

THE FLOUR MILLING INDUSTRY IN CANADA, 1930.

Table 9. - Materials Used in Chopping Mills, by Provinces, 1930.

Materials		CANADA		P. E. Island and Nova Scotia		New Brunswick		Quebec	
		Quantity	Value	Quantity	Value	Quantity	Value	Quantity	Value
			$		$		$		$
Wheat	Bush.	153,307	140,577	20	25	100	105	10,895	9,072
Oats	"	3,730,842	1,840,136	37,597	22,558	391,016	217,023	939,021	456,208
Barley	"	1,035,280	576,687	15,886	12,680	7,090	4,771	341,971	199,000
Rye	"	21,912	17,481	-	-	-	-	2,100	1,220
Corn	"	1,609,230	1,400,289	260,492	233,425	1,039,537	885,122	100,475	87,230
Buckwheat	"	238,209	177,117	90	[illegible]	62,231	41,418	126,073	94,715
Peas	"	35,474	44,555	-	-	-	-	990	1,484
Mixed grain	"	23,115,996	12,427,239	54,475	32,2[illegible]	41,795	20,853	1,491,330	[illegible]
Other grains	"	138,937	79,619	-	-	-	-	18,984	[illegible]
Cost of Containers (value only)	-	-	98,804	-	4,800	-	47,502	-	[illegible]
All other materials "	-	-	51,465	-	-	-	-	-	7,570
TOTAL	-	-	16,853,969	-	305,811	-	1,216,794		1,826,949

Materials		Ontario		Manitoba		Saskatchewan		Alberta and British Columbia	
		Quantity	Value	Quantity	Value	Quantity	Value	Quantity	Value
			$		$		$		$
Wheat	Bush.	97,048	93,865	400	200	3,407	3,300	41,437	34,010
Oats	"	1,844,689	919,376	77,439	31,195	110,173	58,569	330,907	135,207
Barley	"	509,694	286,091	20,884	8,798	50,387	24,479	89,368	40,868
Rye	"	19,102	16,011	700	245	-	-	10	5
Corn	"	181,149	168,004	11,000	10,045	250	280	16,327	16,183
Buckwheat	"	32,815	22,512	17,000	18,400	-	-	-	-
Peas	"	34,484	43,071	-	-	-	-	-	-
Mixed grain	"	20,793,728	11,116,321	75,500	26,385	130,740	63,973	528,518	216,274
Other grains	"	102,453	62,634	-	-	-	-	17,500	5,250
Cost of containers (value only)	-	-	23,657	-	360	-	600	-	14,352
All other materials "	-	-	36,567	-	-	-	-	-	7,328
TOTAL	-	-	12,788,109	-	95,628	-	151,201	-	469,477

THE FLOUR MILLING INDUSTRY IN CANADA, 1930.

Employees, Salaries and Wages.

The number of persons employed in the industry for each of the provinces and the Dominion is shown in Table 11 by classes of employment, sex and amounts paid in salaries and wages. The total number employed was 6,618 in 1929 and 5,895 in 1930, whilst the amount paid in salaries and wages totalled $7,578,276 in 1929 and $6,642,303 in 1930.

Table 11. - Employees, Salaries and Wages by Classes of Mills and Provinces, 1929 and 1930.

Provinces	Employees on Salaries in Flour and Grist Mills			Employees on Wages in						Total		
				Flour and Grist Mills			Feed Mills			Employees		
	Male	Female	Salaries	Male	Female	Wages	Male	Female	Salaries and Wages	Male	Female	Salaries and Wages
	No.	No.	$	No.	No.	$	No.	No.	$	No.	No.	$
1929												
Prince Edward Island	-	-	-	19	-	11,308	2	-	770	21	-	12,078
Nova Scotia	-	1	780	14	-	8,632	23	-	12,838	37	1	22,450
New Brunswick	-	-	-	16	-	8,862	55	3	48,450	71	3	57,312
Quebec	145	29	445,205	566	2	603,564	340	2	156,825	1,051	33	1,205,594
Ontario	305	96	771,767	1,969	110	2,186,527	793	6	578,437	3,067	212	3,536,731
Manitoba	110	10	204,041	419	15	450,978	13	-	7,982	542	25	663,001
Saskatchewan	210	31	434,359	375	13	451,503	18	-	8,602	603	44	894,464
Alberta	186	38	372,989	530	-	654,280	33	-	23,040	749	38	1,050,309
British Columbia	8	1	17,040	98	-	92,925	21	1	26,372	119	2	136,337
CANADA	964	206	2,246,181	3,998	140	4,468,779	1,298	12	863,316	6,260	358	7,578,276
1930												
Prince Edward Island	-	-	-	17	-	9,988)	23	-	14,950	53	1	33,284
Nova Scotia	-	1	600	13	-	7,746)						
New Brunswick	-	-	-	16	1	9,379	53	-	44,802	69	1	54,181
Quebec	131	30	395,497	537	1	567,323	303	-	112,363	971	31	1,075,183
Ontario	254	86	670,526	1,723	94	1,995,595	758	1	527,102	2,735	181	3,193,223
Manitoba	99	8	186,408	392	16	393,183	13	-	8,951	504	24	588,542
Saskatchewan	181	29	413,648	329	12	364,991	18	-	8,589	528	41	787,228
Alberta	123	31	285,230	448	6	480,199)	52	1	40,322	718	38	910,662
British Columbia	11	-	23,157	84	-	81,754)						
CANADA	799	185	1,975,066	3,559	130	3,910,158	1,220	2	757,079	5,578	317	6,642,303

THE FLOUR MILLING INDUSTRY IN CANADA, 1930.

Working Time of Plants and Employees

The number of wage-earners employed during each month of the year is shown in Table 12, for flour mills and feed mills. The months of highest employment in both sections of the industry were from September to November in 1929 and from September to November in 1930, whilst those of lowest employment in both sections of the industry were from April to August in 1929 and in the month of June during 1930. The average employment by months in this report is the sum of the averages of individual plants based on the months in actual operation and not the averages for the calendar year.

Table 12. - Working Time of Employees for months by number and sex, 1929 and 1930.

	In Flour Mills					In Feed Mills			
	1930		1929			1930		1929	
Months	Males	Females	Males	Females	Months	Males	Females	Males	Females
January	3,496	101	3,946	129	January	1,086	2	1,114	1
February	3,417	125	3,895	130	February	1,086	2	1,108	1
March	3,435	119	3,924	142	March	1,085	2	1,124	1
April	3,397	117	3,889	136	April	1,047	2	1,090	1
May	3,371	105	3,991	143	May	1,028	2	1,071	1
June	3,340	116	3,887	143	June	1,010	2	1,023	1
July	3,369	119	3,843	147	July	1,013	2	1,040	1
August	3,453	129	3,867	150	August	1,020	2	1,051	1
September	3,692	146	4,012	136	September	1,136	2	1,167	1
October	3,780	153	4,103	141	October	1,184	2	1,224	1
November	3,779	140	4,117	137	November	1,231	2	1,252	1
December	3,718	137	3,947	132	December	1,208	2	1,250	1
Total by Months	42,247	1,507	47,421	1,666	Total by Months	13,134	24	13,514	12
Average Monthly Employment	3,559	130	3,998	140	Average Monthly Employment	1,220	2	1,269	1

THE FLOUR MILLING INDUSTRY IN CANADA, 1930.

Capital Invested 1929 and 1930.

The amount of capital invested in the milling industry is shown by items and by provinces in Table 10 for the calendar years 1929 and 1930. The amount of fixed capital investment in flour mills which in 1929 was $32,642,100 decreased to $31,585,282 in 1930, whilst working capital (including materials, etc., and cash trading and operating accounts) decreased from $28,573,105 in 1929 to $24,678,866 in 1930. Chopping mills show a decrease in total investment over 1929 of $205,470.

Table 10. - Capital Invested in the Milling Industry by Items and Provinces, 1929 and 1930.

Provinces	Land, buildings, machinery and tools	Materials on Hand, stocks in process, etc.	Cash, trading and operating accounts etc.	Total Capital in Flour and Grist Mills	Total Capital in Feed Mills	Grand Total Capital all classes of mills
	$	$	$	$	$	$
1929						
Prince Edward Island	102,700	2,882	1,550	107,132	3,000	110,132
Nova Scotia	66,300	7,200	1,200	74,700	239,945	314,645
New Brunswick	98,182	3,808	500	102,490	247,015	349,505
Quebec	4,909,443	1,588,419	2,214,949	8,712,811	1,924,508	10,637,319
Ontario	16,905,958	7,731,778	3,236,091	27,873,827	3,541,898	31,415,725
Manitoba	3,509,243	1,252,296	741,637	5,503,176	80,841	5,584,017
Saskatchewan	1,625,857	4,337,822	1,075,554	7,039,233	38,340	7,077,573
Alberta	4,869,973	2,994,617	2,083,611	9,948,201	246,518	10,194,719
British Columbia	554,444	748,759	550,432	1,853,635	236,264	2,089,899
CANADA	32,642,100	18,667,581	9,905,524	61,215,205	6,558,329	67,773,534
1930						
Prince Edward Island	75,460	2,800	3,875	82,135)	215,372	369,017
Nova Scotia	63,200	7,210	1,100	71,510)		
New Brunswick	81,991	4,247	200	86,438	255,301	341,739
Quebec	4,786,267	1,384,434	1,874,553	8,045,254	1,607,597	9,652,851
Ontario	16,367,755	5,085,114	3,517,927	24,970,796	3,676,245	28,647,041
Manitoba	3,472,546	1,211,235	452,200	5,135,981	75,879	5,211,860
Saskatchewan	1,685,823	3,252,110	1,395,473	6,333,406	38,300	6,371,706
Alberta	4,492,554	2,801,928	2,579,904	9,874,386)	484,165	12,022,793
British Columbia	559,686	465,514	639,042	1,664,242)		
CANADA	31,585,282	14,214,592	10,464,274	56,264,148	6,352,859	62,617,007

THE FLOUR MILLING INDUSTRY IN CANADA, 1930.

Fuel Consumption

The consumption of fuel by classes, quantity and value is shown in Table 13 by classes of mills. In 1929 the total expenditure for fuel in all classes of mills in the Dominion was $575,841, whilst in 1930 the expenditure had fallen to $498,901, or a decrease in value of $76,940. The cost of electricity also fell from $1,024,843 in 1929 to $990,632 in 1930 or a decrease of $34,211.

Table 13. - Fuel Consumption by classes of Mills, 1929 and 1930.

Classes of Fuel	Unit	1930				1929			
		In Flour Mills		In Feed Mills		In Flour Mills		In Feed Mills	
		Quantity	Value	Quantity	Value	Quantity	Value	Quantity	Value
			$		$		$		$
Bituminous coal	Ton	34,575	197,678	6,715	17,172	58,417	318,937	2,566	15,305
Anthracite coal	"	2,723	17,191	121	1,581	1,152	8,133	253	2,523
Lignite coal	"	23,254	90,515	102	569	18,615	72,452	48	296
Coke	"	6	82	23	263	206	760	18	167
Gasoline	Gal.	32,071	8,427	62,031	15,174	16,400	4,600	55,889	14,233
Oil (fuel)	"	147,358	23,655	269,810	31,717	152,378	23,177	248,407	34,058
Wood	Cord	12,742	46,842	2,452	7,746	10,430	39,383	2,013	6,820
Gas, artificial and natural	m.c.ft.	377,147	20,603	12,393	6,932	454,689	21,584	14,942	8,986
All other fuel	-	-	12,308	-	446	-	6,309	-	118
TOTAL	-	-	417,301	-	81,600	-	495,335	-	80,506

THE FLOUR MILLING INDUSTRY IN CANADA, 1930.

Power Installation.

The statistics relating to the classes of power employed in the industry are shown in Table 14 by the number of units and by the horse power installed, in each of the classes of mills for the years 1929 and 1930. The total available horse power in Flour and Grist Mills in 1929 was 86,378 horse power, and in Feed and Chopping Mills 37,050 horse power. In 1930 the available horse power in Flour Mills was 84,955 and in Feed and Chopping Mills 36,868. Of the total power installed in 1929, electric motors operated by purchased power totalled 51,210 horse power and in 1930 48,668 horse power. Internal combustion engines in 1929 supplied 2,407 of the available horse power in Flour and Grist Mills and 7,786 horse power in Feed and Chopping Mills, whilst in 1930 the available horse power was 2,058 in Flour and Grist Mills and 8,389 in Feed and Chopping Mills. Hydraulic power in 1929 accounted for 19,795 horse power in Flour and Grist Mills and 16,860 in Feed and Chopping Mills; whilst in 1930 the total available horse power in Flour and Grist Mills was 20,970 horse power, and in Feed and Chopping Mills 16,618 horse power. Boiler installation shows a decrease for both classes of mills of 12 in the number of units, and a decrease of 1,[illegible]31 in available horse power. Horse power used in manufacturing in both classes of mills decreased from 121,829 horse power in 1929 to 119,854 horse power in 1930, a decrease of 1,975 horse power.

Table 14. - Power Installed in the Milling Industry, 1929 and 1930.

Classes of Power	1929				1930			
	In Flour Mills		In Feed Mills		In Flour Mills		In Feed Mills	
	Units	Capacity	Units	Capacity	Units	Capacity	Units	Capacity
	No.	H.P.	No.	H.P.	No.	H.P.	No.	H.P.
Steam engines and turbines	94	11,402	77	3,281	86	11,335	73	3,094
Oil, gas and gasoline engines	75	2,407	258	7,786	70	2,058	262	8,389
Hydraulic turbines or water wheels	331	19,795	512	16,860	351	20,970	488	16,618
Electric motors:-								
Operated by purchased power	1,271	51,210	394	9,088	1,354	48,668	377	8,732
Operated by power generated by the establishment	52	1,564	2	35	55	1,924	2	35
Total Power Installation	1,823	86,378	1,243	37,050	1,916	84,955	1,202	36,868
Total Power for manufacturing purposes (1, 2, 3 and 4)	1,771	84,814	1,241	37,015	1,861	83,031	1,200	36,823

Boiler Installation, 1929 and 1930.

Boilers Installed	124	14,327	63	2,952	116	13,344	59	2,804

THE FLOUR MILLING INDUSTRY IN CANADA, 1930.

Imports, Exports and Consumption

Imports. - The quantity and value of milled products and of grains imported into Canada for consumption during the calendar years 1929 and 1930 are set forth in the summary table following:-

Imports of Milled Products and Grains by Quantity and Value, 1929 and 1930.

Articles	Unit	1929		1930	
		Quantity	Value	Quantity	Value
Milled Products -			$		$
Wheat flour	bbl.	85,013	586,257	54,590	362,742
Buckwheat meal and flour	cwt.	1,164	4,590	868	3,490
Cornmeal	bbl.	47,943	231,061	40,813	187,542
Malt flour	lb.	35,017	2,768	72,525	6,028
Rye flour	bbl.	4,365	21,364	4,287	17,653
Oatmeal and rolled oats	lb.	3,954,372	139,682	1,622,986	65,796
Barley, pot and pearl	lb.	38,396	5,183	38,231	6,561
Peas, split	lb.	784,653	35,821	1,044,514	37,277
Hominy, cracked, ground, etc.	-	-	291,609	-	237,449
Rice and cassava flour, etc.	lb.	106,362	9,359	112,605	9,174
Sago and tapioca flour	lb.	2,320,398	71,668	1,402,506	36,756
Bran and mill feed	cwt.	28,748	48,041	97,128	111,308
Cereal food in packages	lb.	1,950,356	248,506	1,220,669	165,876
Cereal foods, n.o.p.	-	-	91,751	-	98,598
Semolina	bbl.	2,836	13,703	1,648	14,029
Total Milled Products	-	-	1,80[illegible],362	-	1,360,279
Grains -					
Wheat	bush.	1,792,384	1,81[illegible],460	180,949	194,216
Oats	"	3,419,848	1,708,052	2,373,695	1,136,063
Barley	"	15,874	13,024	9,181	8,066
Corn for all purposes	"	15,511,588	14,880,705	11,432,558	9,082,333
Buckwheat	"	21,133	23,189	8,336	9,901
Peas, whole	"	176,262	51[illegible],053	201,595	534,855
Rye	"	245,495	249,01[illegible]	114,851	111,283
Beans	lb.	13,253,040	866,010	11,766,682	608,085
Total Grains	-	-	20,067,506	-	11,684,802

Exports. - The exports of milled products and grains being the produce of Canada, for the calendar years 1929 and 1930 are shown in the following summary table by quantity and value. The export in milled products during 1930 decreased in value by $17,323,390 and grains exported by $80,304,856.

Exports of milled Products and Grains by Quantity and Value, 1929 and 1930.

Articles	Unit	1929		1930	
		Quantity	Value	Quantity	Value
Milled Products -			$		$
Wheatflour	bbl.	9,[illegible]73,880	52,748,909	7,514,778	37,540,495
Oatmeal and rolled oats	cwt.	[illegible]51,701	2,686,256	382,227	2,267,422
Bran, shorts and middlings	"	3,118,763	4,241,835	2,836,377	2,851,542
Malt	bush.	41,726	55,659	132,119	115,599
Peas, split	"	6,331	18,479	5,783	13,844
Screenings	cwt.	2,051,529	969,519	1,868,763	596,759
Cornmeal	bbl.	11,444	55,365	6,331	26,969
Rice, meal and flour	lb.	1,013,641	17,605	680,139	7,261
All other meals	bbl.	2,845	12,761	2,049	7,507
Cereal foods, prepared all kinds	-	-	2,420,569	-	2,476,169
Total Milled Products	-	-	63,226,957	-	45,903,567
Grains -					
Wheat	bush.	210,945,589	249,347,174	207,761,367	185,786,026
Oats	"	7,681,476	4,960,656	2,765,214	1,061,147
Barley	"	16,987,687	12,197,333	2,834,299	987,223
Corn	"	10,057	13,583	13,429	13,005
Rye	"	1,938,324	1,955,649	1,281,199	527,256
Buckwheat	"	248,555	224,658	617,726	418,022
Peas, whole	"	51,539	192,708	27,225	115,660
Beans	"	154,062	5[illegible]	96,222	265,108
Total Grains	-	-	269,478,[illegible]	-	189,173,447

THE FLOUR MILLING INDUSTRY IN CANADA, 1930.

Consumption

A statement showing the total quantities and values of the principal milled products available for consumption in Canada for the calendar years 1929 and 1930 and also the per capita quantities and values based on estimates of population of 9,796,800 in 1929 and 9,934,500 in 1930. Consumption of any commodity is usually computed by adding together Production and Imports and deducting therefrom the Exports.

Articles	Unit	Production		Imports		Exports		Available for Consumption		Per Capita Consumption	
		Quantity	Value	Quantity	Value	Quantity	Value	Quantity	Value	Quantity	Value
			$		$		$		$		$
1929											
Wheat flour	bbl.	19,756,422	114,552,634	85,013	586,257	9,573,880	52,748,909	10,267,555	62,389,982	1.05	6.37
Oatmeal and rolled oats	lb.	150,210,774	6,902,869	3,954,372	139,682	45,170,100	2,686,256	108,995,046	4,356,295	11.13	.45
Cornmeal	"	78,314,871	1,809,017	9,396,828	231,061	2,243,024	55,365	85,468,675	1,984,713	8.72	.202
Rye flour	"	1,367,827	41,869	855,540	21,364	-	-	2,223,367	63,233	.227	.006
Buckwheat flour	"	3,817,017	155,841	116,400	4,590	-	-	3,933,417	160,431	.401	.016
Barley, pot and pearl	"	4,009,106	138,058	38,396	5,188	-	-	4,047,502	143,246	.413	.015
1930											
Wheat flour	bbl.	15,624,267	90,713,659	54,590	362,742	7,514,778	37,540,495	8,164,079	53,535,906	0.82	5.39
Oatmeal and rolled oats	lb.	132,350,454	6,211,086	1,622,986	65,796	38,222,700	2,267,422	95,750,740	4,009,460	9.63	0.40
Cornmeal	"	65,631,182	1,310,816	7,999,348	187,542	1,240,876	26,969	72,389,654	1,471,389	7.28	0.148
Rye flour	"	1,185,678	25,855	840,252	17,653	-	-	2,025,930	43,508	0.203	0.004
Buckwheat flour	"	4,200,466	125,919	86,800	3,490	-	-	4,287,266	129,409	0.432	0.013
Barley, pot and pearl	"	4,082,452	117,452	38,231	6,561	-	-	4,120,683	124,013	0.415	0.012