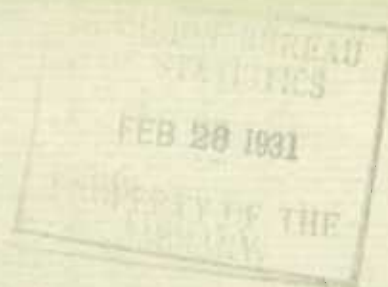


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CANADA
DEPARTMENT OF TRADE AND COMMERCE
DOMINION BUREAU OF STATISTICS
CENSUS OF INDUSTRY

REPORT

on the

FLOUR MILLING INDUSTRY

in

CANADA

1929

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Published by Authority of the Hon. H. H. Stevens, M.P.,
Minister of Trade and Commerce

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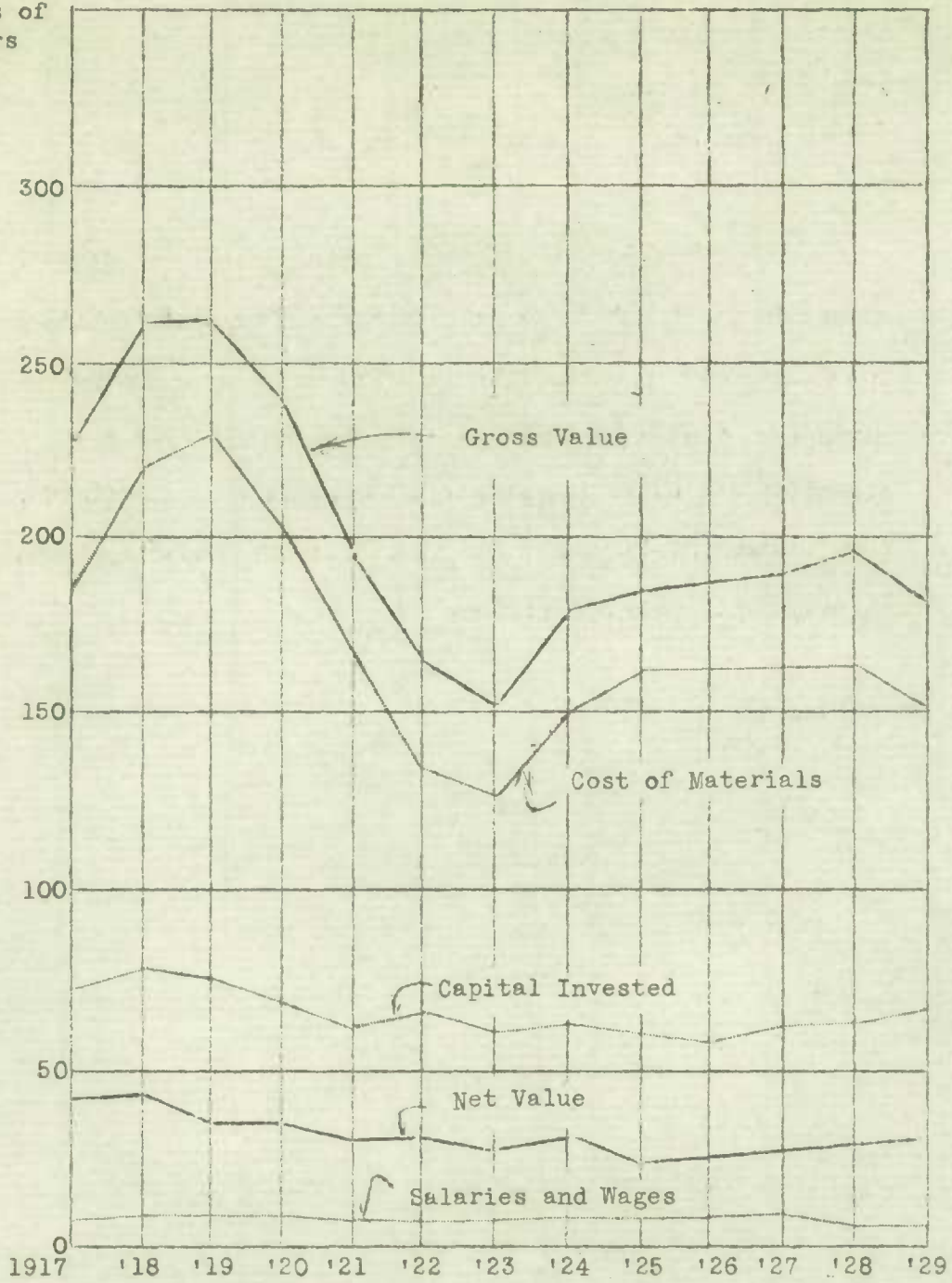
OTTAWA

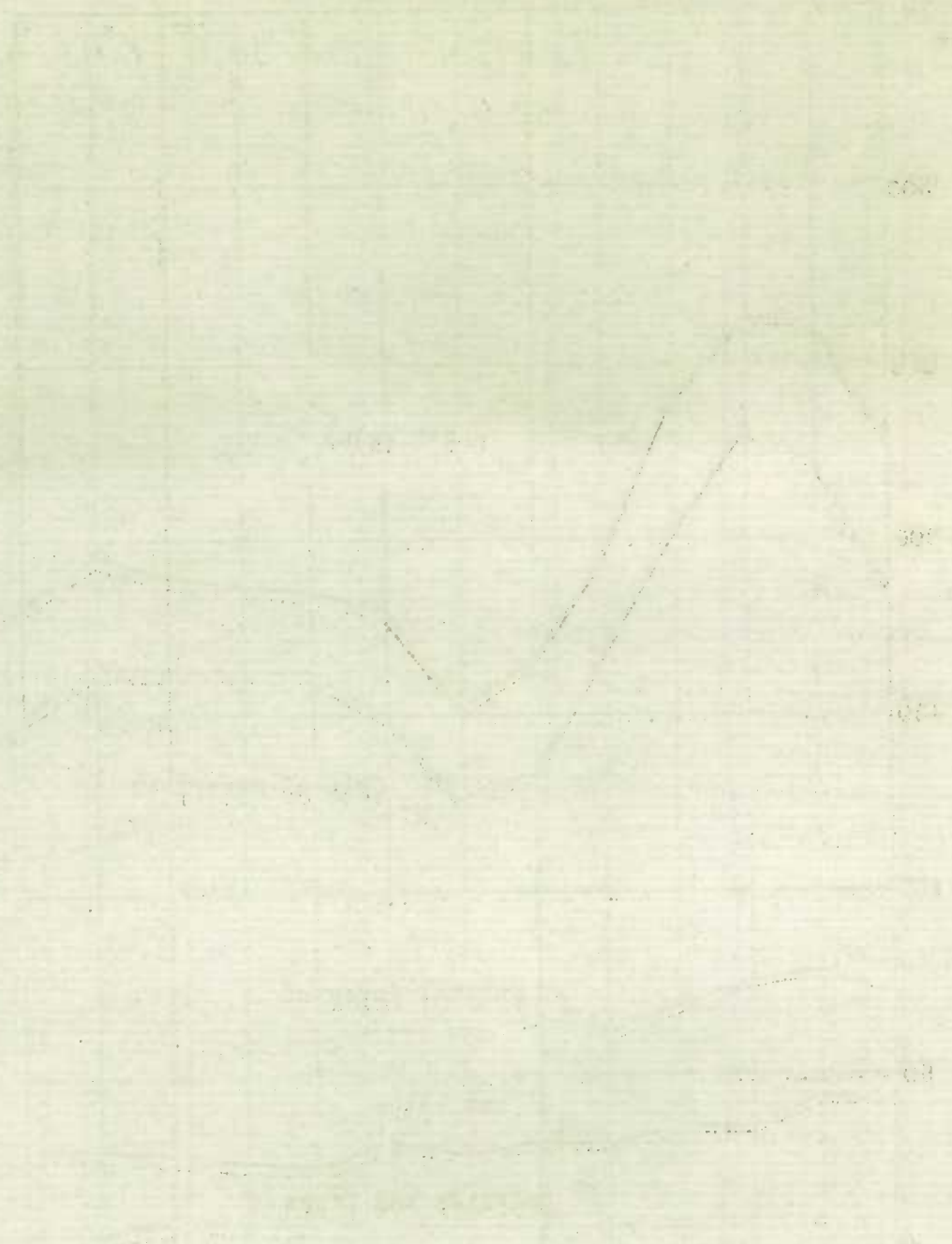
1931

NOTE.- The statistics published in the present statement 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, as products like, cereal foods, etc., are also found as products of the miscellaneous food industries.

FLOUR AND GRIST MILL INDUSTRY

Millions of Dollars





DEPARTMENT OF TRADE AND COMMERCE
DOMINION BUREAU OF STATISTICS

CENSUS OF INDUSTRY

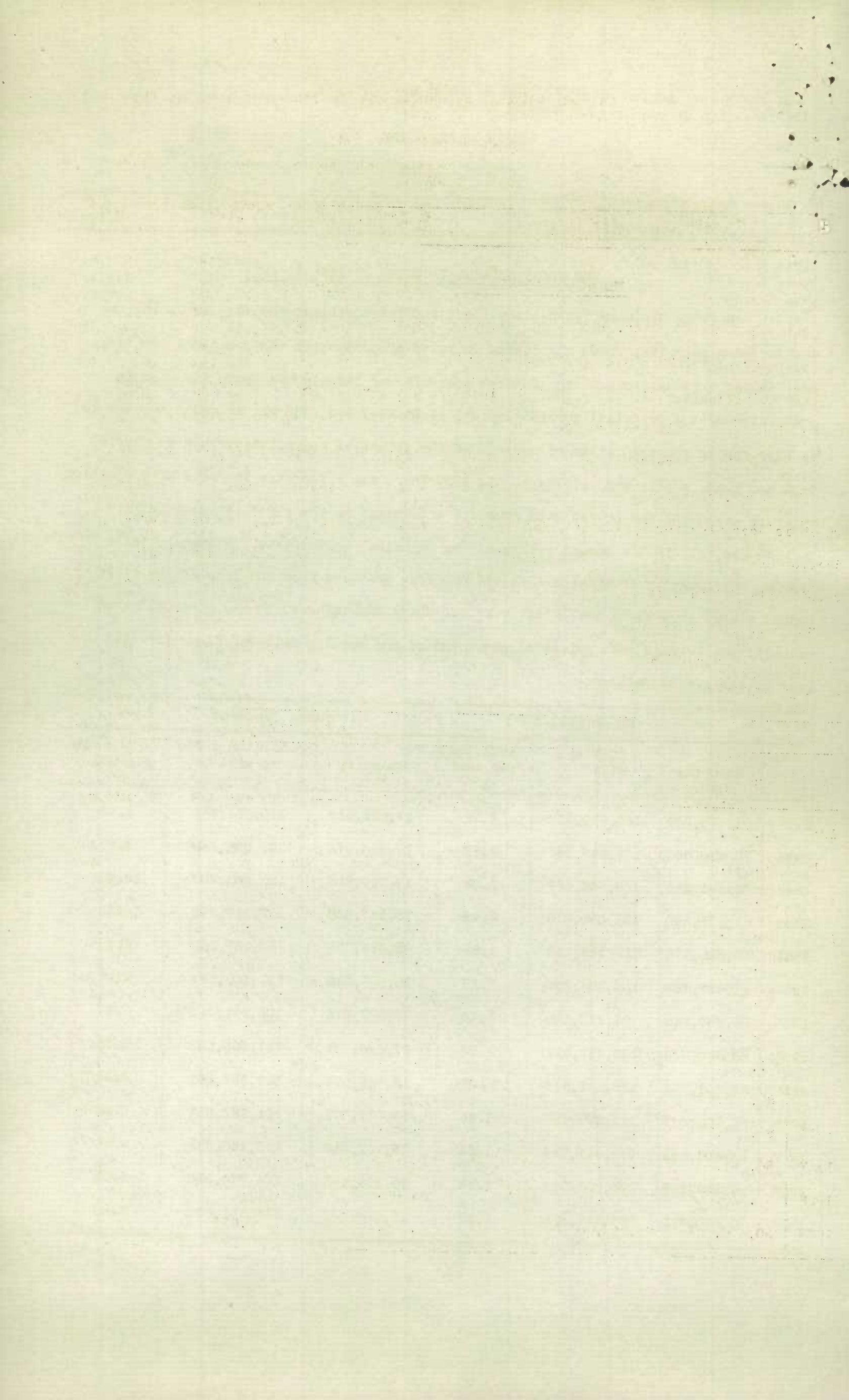
OTTAWA, CANADA

Dominion Statistician: R. H. Coats, B.A., F.S.S., (Hon.), F.R.S.C.
Chief, Census of Industry: J. C. Macpherson.

THE FLOUR MILLING INDUSTRY IN CANADA, 1929.

OTTAWA, December, 1930 - The flour and grist milling industry in Canada for the calendar year 1929 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 1929 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 \$	Avgc.cost per bush. \$	Quantity Bbl.	Selling value at mill \$	Avgc. cost per bbl. \$
1917	84,478,264	163,880,832	1.94	17,687,338	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	102,803,200	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	20,389,542	124,774,280	6.12
1929	90,670,311	106,541,806	1.17	19,756,422	114,552,634	5.80



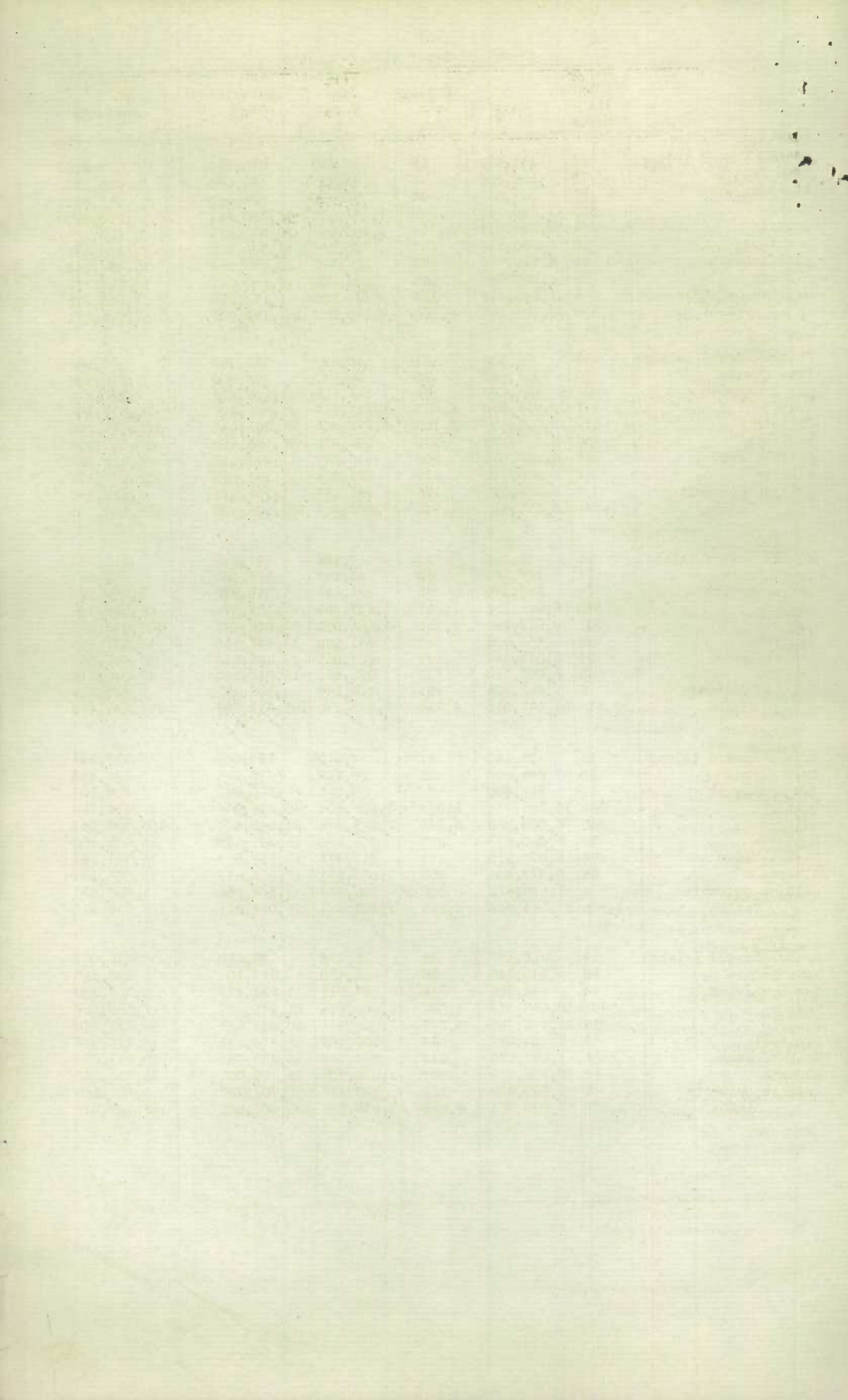
The growth of the milling industry in Canada and the provinces annually from 1920 to 1929 is shown in the following table:

Flour and Grist Mills

Year	No. of establishments	Capital \$	Employees No.	Salaries and Wages \$	Raw Materials Used \$	Value of Products \$
1920						
Prince Edward Island	24	184,294	29	15,571	442,898	577,043
Nova Scotia	32	247,751	44	37,846	555,307	692,893
New Brunswick	50	517,515	83	79,636	1,361,559	1,674,091
Quebec	457	12,416,837	1,075	1,315,360	29,114,147	34,090,774
Ontario	617	35,083,283	3,817	4,453,498	115,911,508	135,055,613
Manitoba	44	7,252,366	724	903,793	23,834,742	27,235,314
Saskatchewan	45	4,304,904	620	807,800	14,962,761	17,053,491
Alberta	58	6,826,608	553	763,197	17,862,302	20,833,830
British Columbia	5	2,005,369	141	194,803	1,700,822	2,012,354
CANADA	1,332	68,838,927	7,086	8,571,504	205,746,546	239,255,461
1921						
Prince Edward Island	26	136,540	26	11,802	205,121	257,744
Nova Scotia	29	313,896	40	34,936	352,825	447,116
New Brunswick	41	267,834	53	34,174	558,043	703,321
Quebec	372	11,003,553	1,085	1,149,094	32,028,136	36,328,786
Ontario	640	33,561,141	3,713	4,218,622	86,278,181	103,779,768
Manitoba	34	6,423,151	689	985,313	18,361,574	20,886,018
Saskatchewan	51	3,694,550	671	912,485	13,005,779	15,532,306
Alberta	57	5,000,823	580	778,217	12,540,362	15,093,412
British Columbia	7	1,425,824	147	186,541	1,251,715	1,744,378
CANADA	1,257	61,827,312	7,004	8,311,184	164,582,636	194,772,849
1922						
Prince Edward Island	28	192,228	31	17,888	278,935	361,739
Nova Scotia	30	296,906	46	34,994	383,007	524,755
New Brunswick	44	310,112	74	53,859	826,898	1,021,727
Quebec	449	14,300,475	1,228	1,124,289	24,401,706	29,286,355
Ontario	660	34,236,778	3,248	3,549,111	76,180,668	92,841,756
Manitoba	39	7,241,415	663	812,929	13,879,206	16,038,446
Saskatchewan	54	3,805,734	645	858,983	9,637,787	12,353,720
Alberta	53	6,590,267	660	828,216	9,826,930	12,677,672
British Columbia	7	1,479,971	162	210,100	1,271,941	1,770,285
CANADA	1,364	68,453,886	6,757	7,490,369	136,687,078	166,881,455
1923						
Prince Edward Island	25	119,812	22	10,347	186,988	240,262
Nova Scotia	30	237,757	37	31,009	299,695	379,158
New Brunswick	46	314,917	88	55,737	951,393	1,165,644
Quebec	436	12,181,927	1,326	1,169,427	22,238,863	25,196,037
Ontario	679	30,869,868	3,345	3,690,881	73,079,793	89,231,524
Manitoba	37	6,627,291	687	813,971	13,655,348	15,908,515
Saskatchewan	66	3,359,256	567	758,779	7,177,829	9,151,507
Alberta	61	5,439,523	585	752,420	9,979,193	12,355,353
British Columbia	7	1,406,236	130	167,857	903,957	1,217,941
CANADA	1,387	60,556,587	6,786	7,450,428	128,473,059	154,895,991
1924						
Prince Edward Island	22	112,135	22	10,387	190,482	228,076
Nova Scotia	26	250,750	35	27,266	295,455	353,263
New Brunswick	39	310,837	68	51,398	891,033	1,042,071
Quebec	395	12,277,858	1,028	1,211,766	22,931,481	26,757,298
Ontario	655	32,359,902	3,455	3,845,028	88,735,361	106,141,210
Manitoba	34	6,381,419	632	847,831	15,158,115	18,986,634
Saskatchewan	66	4,088,056	604	846,188	9,406,305	11,853,000
Alberta	67	7,198,060	629	802,261	11,534,962	14,310,194
British Columbia	5	1,377,524	136	166,814	913,236	1,135,753
CANADA	1,309	64,356,541	6,609	7,308,939	150,056,430	180,807,549

Flour and Grist Mills - Cont'd.

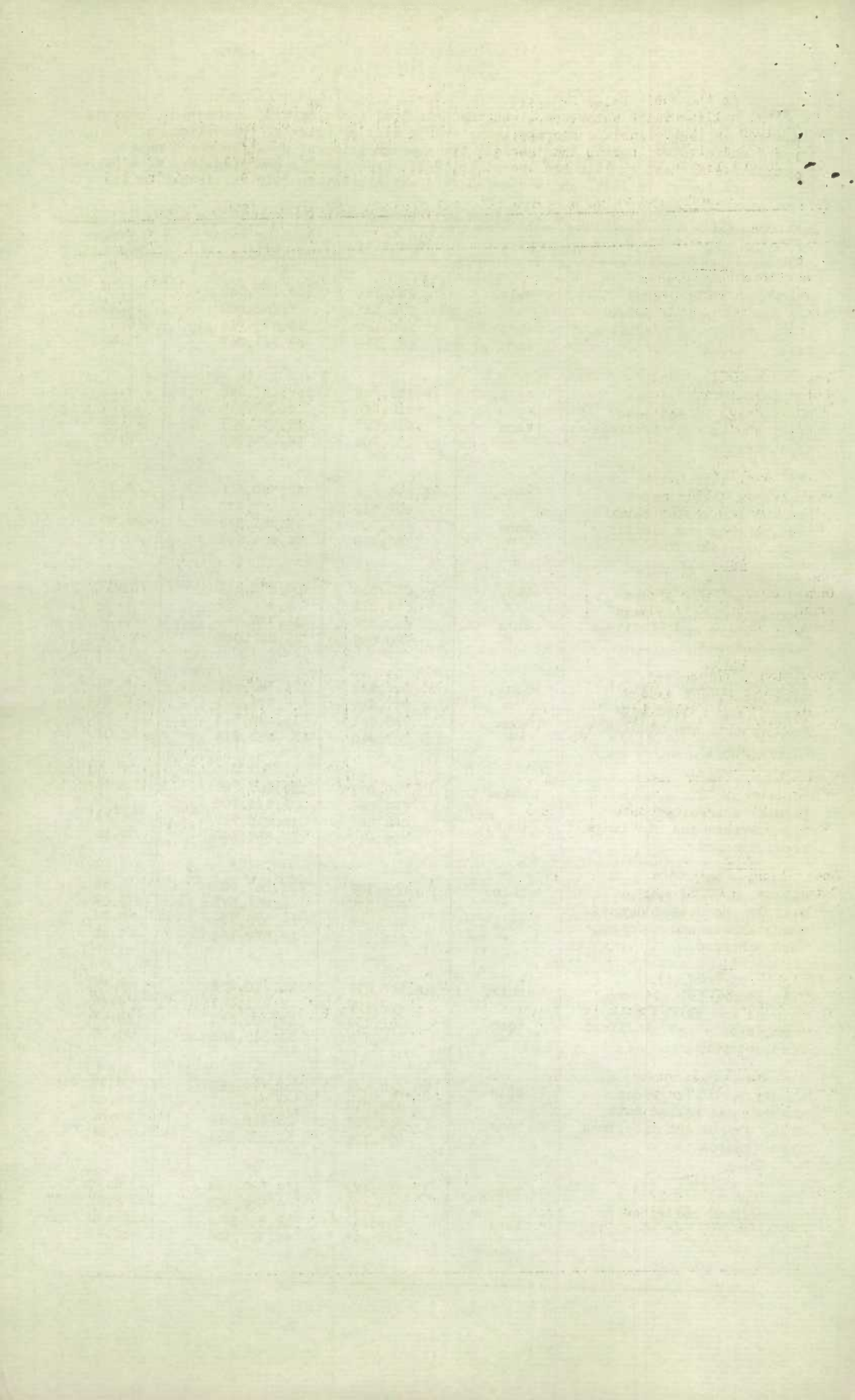
Year	No. of Estab- lish- ments	Capital \$	Employ- ees No.	Salaries and Wages \$	Raw Materials Used \$	Value of Products \$
<u>1925</u>						
Prince Edward Island	24	111,792	27	14,262	225,734	277,206
Nova Scotia	28	354,806	41	34,497	431,002	490,033
New Brunswick	35	309,847	64	50,390	826,609	932,859
Quebec	392	11,260,728	995	1,171,623	28,300,232	32,250,490
Ontario	664	29,012,816	3,154	3,483,077	90,811,425	104,522,309
Manitoba	36	6,530,119	597	730,337	17,368,935	19,450,481
Saskatchewan	61	4,210,715	569	801,222	10,586,543	12,468,343
Alberta	65	6,929,787	586	764,708	13,460,069	16,213,735
British Columbia	5	1,383,648	133	139,906	1,154,119	1,339,275
CANADA	1,310	60,104,258	6,166	7,190,022	163,164,668	187,944,731
<u>1926</u>						
Prince Edward Island	17	71,438	21	10,681	156,085	190,581
Nova Scotia	23	351,557	40	30,571	488,578	576,983
New Brunswick	37	286,282	73	52,508	1,230,459	1,370,299
Quebec	371	10,992,050	1,067	1,143,624	24,835,206	28,513,371
Ontario	676	29,008,355	3,180	3,472,875	92,865,617	105,437,330
Manitoba	36	6,159,778	580	683,776	16,166,439	19,319,203
Saskatchewan	63	4,402,031	580	815,347	11,777,415	14,518,952
Alberta	64	5,898,632	629	821,914	15,181,038	18,097,886
British Columbia	4	1,165,690	178	191,168	1,204,613	1,556,136
CANADA	1,291	58,335,813	6,348	7,222,464	163,905,450	189,580,741
<u>1927</u>						
Prince Edward Island	15	72,700	17	7,786	174,812	215,342
Nova Scotia	22	407,772	40	30,689	512,485	622,657
New Brunswick	33	297,176	65	51,599	1,510,825	1,679,490
Quebec	370	9,992,556	1,041	1,147,981	23,357,675	26,588,146
Ontario	701	29,929,851	3,251	3,586,902	92,846,762	107,646,593
Manitoba	38	6,461,905	566	731,550	14,447,958	17,577,133
Saskatchewan	66	5,074,421	593	807,011	13,685,616	16,746,267
Alberta	65	8,366,728	710	892,885	15,810,292	19,040,218
British Columbia	5	1,458,904	101	116,267	1,366,172	1,625,624
CANADA	1,315	62,062,013	6,384	7,372,670	163,712,597	191,741,470
<u>1928</u>						
Prince Edward Island	16	75,447	17	7,910	137,668	177,344
Nova Scotia	20	376,307	36	28,149	510,126	587,443
New Brunswick	33	350,900	71	60,055	1,540,633	1,708,301
Quebec	364	10,296,741	1,077	1,206,634	25,246,346	29,338,759
Ontario	715	30,000,850	3,348	3,671,378	91,542,464	106,486,641
Manitoba	38	6,050,473	552	665,590	15,367,578	18,975,402
Saskatchewan	63	6,090,218	594	817,973	12,288,373	15,781,289
Alberta	66	8,877,209	756	1,033,371	17,032,649	21,005,113
British Columbia	4	1,396,430	105	115,614	1,366,984	1,637,832
CANADA	1,319	63,514,575	6,556	7,606,674	165,032,821	195,698,124
<u>1929</u>						
Prince Edward Island	19	110,132	21	12,078	172,680	216,026
Nova Scotia	20	314,645	38	22,450	549,106	635,449
New Brunswick	34	349,505	74	57,312	1,534,419	1,715,678
Quebec	361	10,637,319	1,084	1,205,594	21,545,487	25,554,977
Ontario	717	31,415,725	3,279	3,536,731	80,544,323	94,233,270
Manitoba	39	5,584,017	567	663,001	13,270,231	17,126,466
Saskatchewan	66	7,077,573	647	894,464	15,289,686	19,151,896
Alberta	63	10,194,719	787	1,050,309	16,198,006	20,410,562
British Columbia	6	2,089,899	121	136,337	1,702,727	2,104,365
CANADA	1,325	67,773,534	6,618	7,578,276	150,806,665	181,148,689



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 1920 to 1929. During this period, the average price of wheatflour and oatmeal products was highest in 1920 and lowest in 1923. Bran, shorts and middlings were highest in 1920 and lowest in 1922, while chopped feed was highest in 1919 and lowest in 1923.

Quantity and Value of Principal Mill Products in Canada, 1920 - 1929.

Products	Unit	Quantity	Selling Value at Mill	Average Value
			\$	\$
<u>1920</u>				
Wheatflour, all grades	bbls.	13,127,320	153,117,662	11.66
Oatmeal and rolled oats	"	678,327	7,754,869	11.43
Bran, shorts and middlings	tons	550,190	26,577,214	48.87
Feed, chopped	"	681,310	39,381,047	57.83
<u>1921</u>				
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
<u>1922</u>				
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
<u>1923</u>				
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
<u>1924</u>				
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
<u>1925</u>				
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
<u>1926</u>				
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
<u>1927</u>				
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
<u>1928</u>				
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
<u>1929</u>				
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	"	648,698	30,927,336	36.44



THE FLOUR MILLING INDUSTRY IN CANADA, 1929.
Size of Establishments

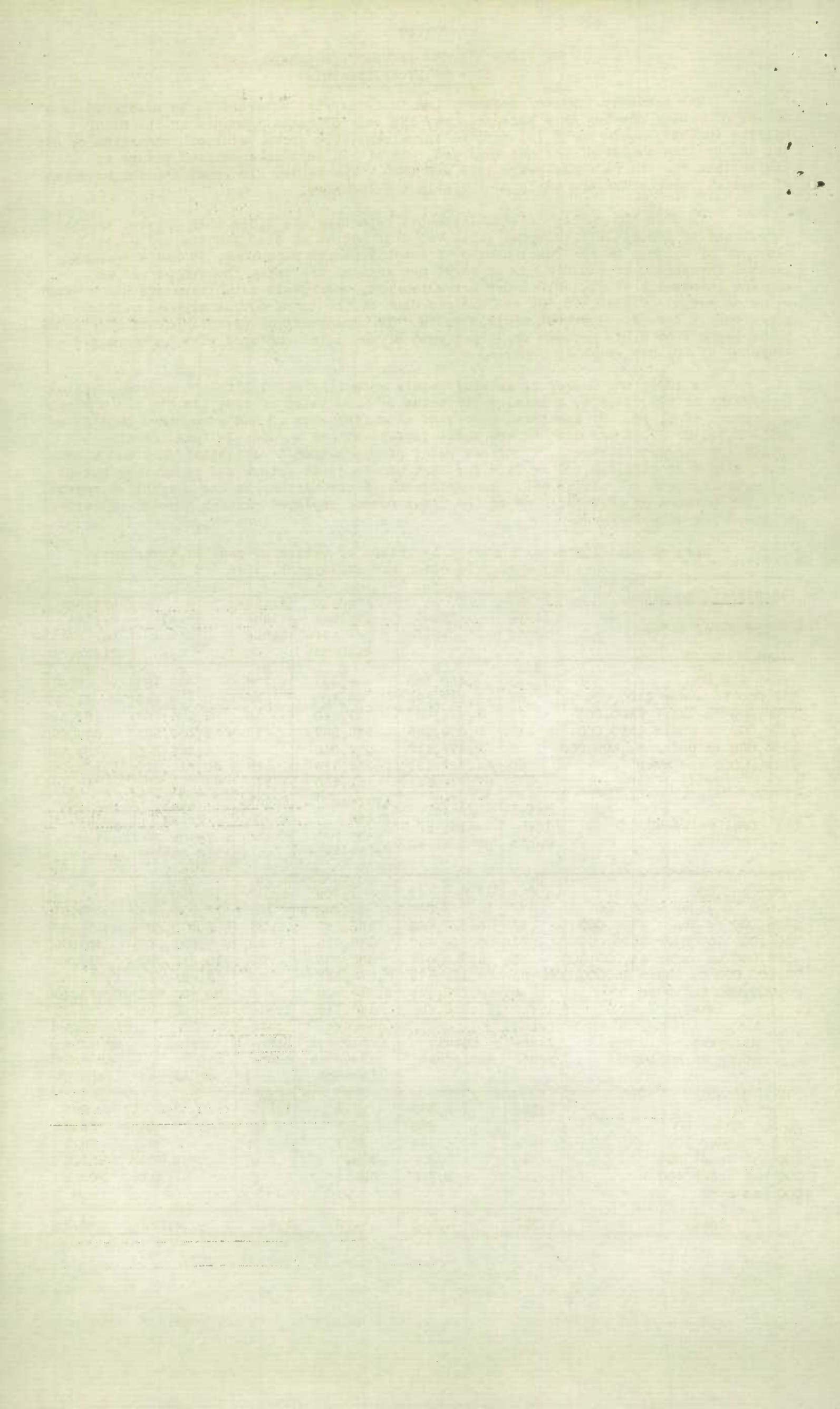
The tendency towards concentration in industrial enterprises is presented in a series of tables showing in a threefold way the size of establishments in the flour milling industry measured by (a) capital investment, (b) gross value of production or output and (c) the number of persons employed, all within certain specified groups or limitations for the calendar years 1928 and 1929. The tables also indicate the movement of capital, production and employment within the industry.

In 1928 the number of establishments reporting was 1,319 with a total capital investment of \$63,514,575, a total gross value of output of \$195,698,124 and a total employment of 6,556. Of the total number of establishments reporting, 19 had a combined capital investment of \$40,812,819 or 64.26 per cent of the total investment and an average investment of \$2,148,043 per establishment. Forty-six establishments had a gross value of output of \$153,308,692 or 78.3 per cent of the total output with an average gross output per establishment of \$3,332,798. In employment 15 establishments had a combined payroll of 3,019 persons or 46 per cent of the total employed with an average employment of 201 per establishment.

In 1929, the number of establishments reporting was 1,325 with a total capital investment of \$67,773,534, a total gross value of production of \$181,148,689 and a total employment of 6,618. Of the total number of establishments 20 had a combined capital of \$44,702,381 or 65.96 per cent of the total investment and an average investment of \$2,235,119 per establishment. In gross value of production 31 establishments had a combined output of \$128,918,702 or 71.2 per cent of the total output and an average output per establishment of \$4,158,668. In employment 16 establishments had a combined payroll of 3,095 persons or 46.7 per cent of the total number employed with an average employment of 193.4 per establishment.

Size of establishments compared by groups of values of capital investment, gross value of production and employment, 1928 and 1929.

(a) Capital Invested Groups of values	1929			1928		
	Estab- lish- ments	Total Capital	Average capital per estab- lishment	Estab- lish- ments	Total Capital	Average capital per estab- lishment
Under \$50,000	No. 1,231	\$ 10,460,406	\$ 8,497	No. 1,226	\$ 10,322,181	\$ 8,419
\$50,000 to under \$100,000	33	2,247,292	68,100	36	2,205,445	61,262
\$100,000 to under \$200,000	21	2,882,037	137,240	18	2,405,287	133,627
\$200,000 to under \$500,000	16	5,005,226	312,827	17	5,424,523	319,090
\$500,000 to under \$1,000,000	4	2,476,192	619,048	3	2,344,320	781,440
\$1,000,000 and over	20	44,702,381	2,235,119	19	40,812,819	2,148,043
Total	1,325	67,773,534	51,150	1,319	63,514,575	48,154
(b) Gross value of production	Estab- lish- ments	Total gross value of production	Average gross value per estab- lish- ment	Estab- lish- ment	Total gross value of production	Average gross value per estab- lish- ment
Under \$50,000	No. 1,034	\$ 17,669,549	\$ 1,709	No. 1,012	\$ 16,740,564	\$ 16,542
50,000 to under \$100,000	178	12,293,022	69,062	191	12,990,872	68,015
\$100,000 to under \$200,000	47	6,377,643	135,695	51	6,776,487	132,872
\$200,000 to under \$500,000	22	6,965,759	316,625	19	5,881,509	309,553
\$500,000 to under \$1,000,000	13	8,924,014	686,463	15	10,916,282	727,752
\$1,000,000 to under \$5,000,000	23	59,161,578	2,572,243	23	58,684,669	2,551,507
\$5,000,000 and over	8	69,757,124	8,719,640	8	83,707,741	10,463,468
Total	1,325	181,148,689	136,716	1,319	195,698,124	148,369
(c) Employees Groups of employees	Estab- lish- ments	Total employees	Average employees per estab- lishment	Estab- lish- ments	Total employees	Average employees per estab- lishment
Under 20	No. 1,283	No. 2,385	1.8	No. 1,279	No. 2,366	1.8
20 but under 50	17	489	28.7	16	484	30.3
50 but under 100	9	649	72.1	9	687	76.3
100 but under 200	10	1,359	135.9	9	1,202	133.6
200 but under 500	6	1,736	289.3	6	1,817	302.8
500 and over	-	-	-	-	-	-
Total	1,325	6,618	4.9	1,319	6,556	4.9



THE FLOUR MILLING INDUSTRY IN CANADA, 1929.

Plants in operation, 1928-1929

The number of operating mills in the provinces and the Dominion during the calendar years 1928 and 1929 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, 1928 and 1929.

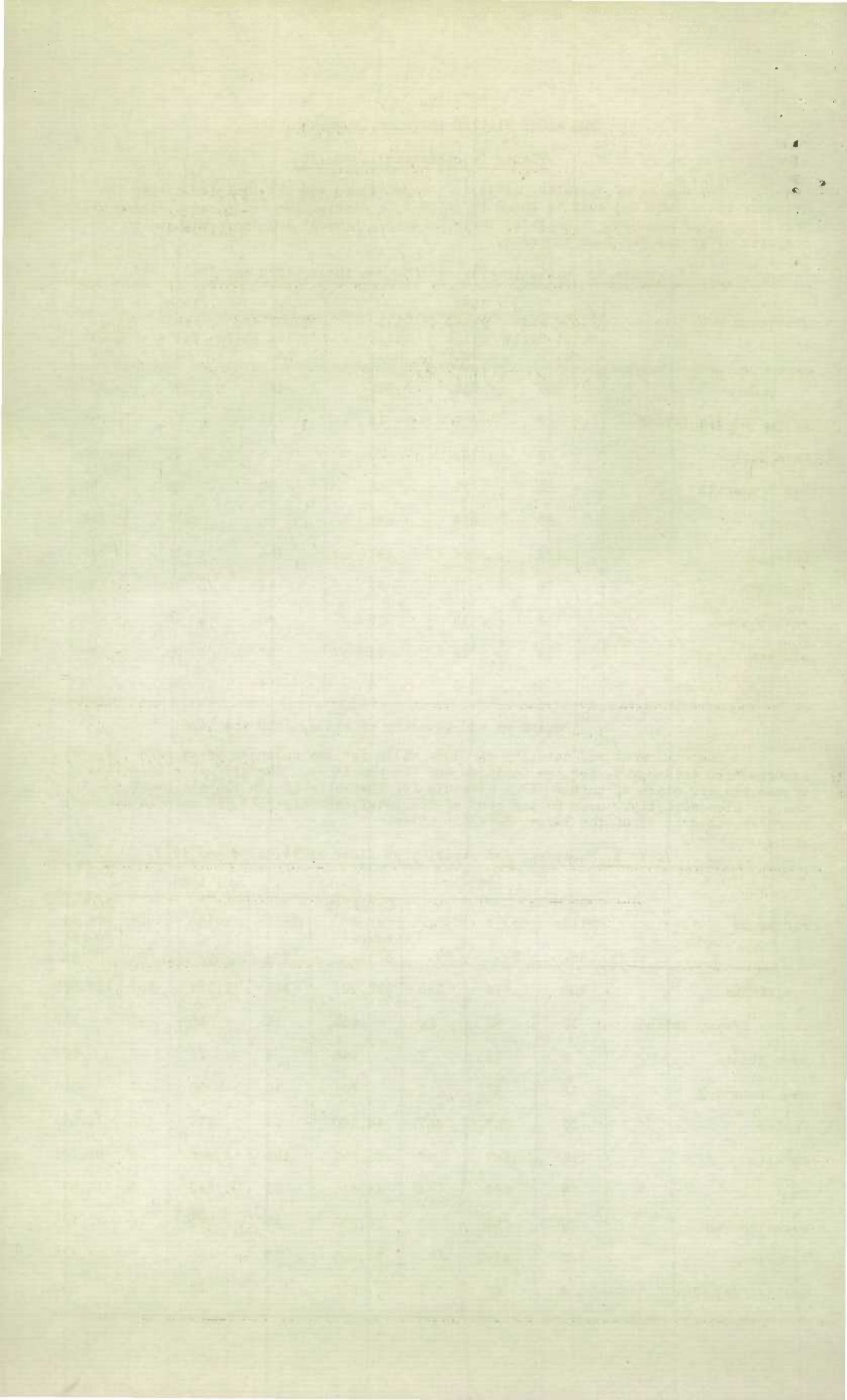
Provinces	1929			1928		
	Flour and Grist Mills No.	Feed Mills No.	All Mills No.	Flour and Grist Mills No.	Feed Mills No.	All Mills No.
CANADA	409	916	1,325	423	896	1,319
Prince Edward Island	17	2	19	14	2	16
Nova Scotia	9	11	20	9	11	20
New Brunswick	12	22	34	10	23	33
Quebec	83	278	361	92	272	364
Ontario	173	544	717	184	531	715
Manitoba	28	11	39	28	10	38
Saskatchewan	48	18	66	45	18	63
Alberta	35	28	63	37	29	66
British Columbia	4	2	6	4	-	4

Equipment and Capacity of Mills, 1928 and 1929.

The equipment and capacity of flour mills for the calendar years 1928 and 1929 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. Over 86 per cent of the total capacity (122,727 barrels per day) is represented by 30 of the larger merchant mills.

Table 2. Equipment and capacity of flour mills, 1928 and 1929.

Provinces	1929				1928			
	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	423	5,136	287	120,855
Prince Edward Island	17	72	20	553	14	58	22	453
Nova Scotia	9	43	7	648	9	26	9	237
New Brunswick	12	81	2	701	10	73	2	601
Quebec	83	758	157	18,600	92	777	180	19,321
Ontario	173	2,587	47	61,857	184	2,445	48	61,733
Manitoba	28	552	3	11,845	28	548	3	11,875
Saskatchewan	48	584	13	14,208	45	521	16	11,751
Alberta	35	627	-	13,335	37	655	1	14,175
British Columbia	4	66	1	980	4	33	6	679



THE FLOUR MILLING INDUSTRY IN CANADA, 1929.

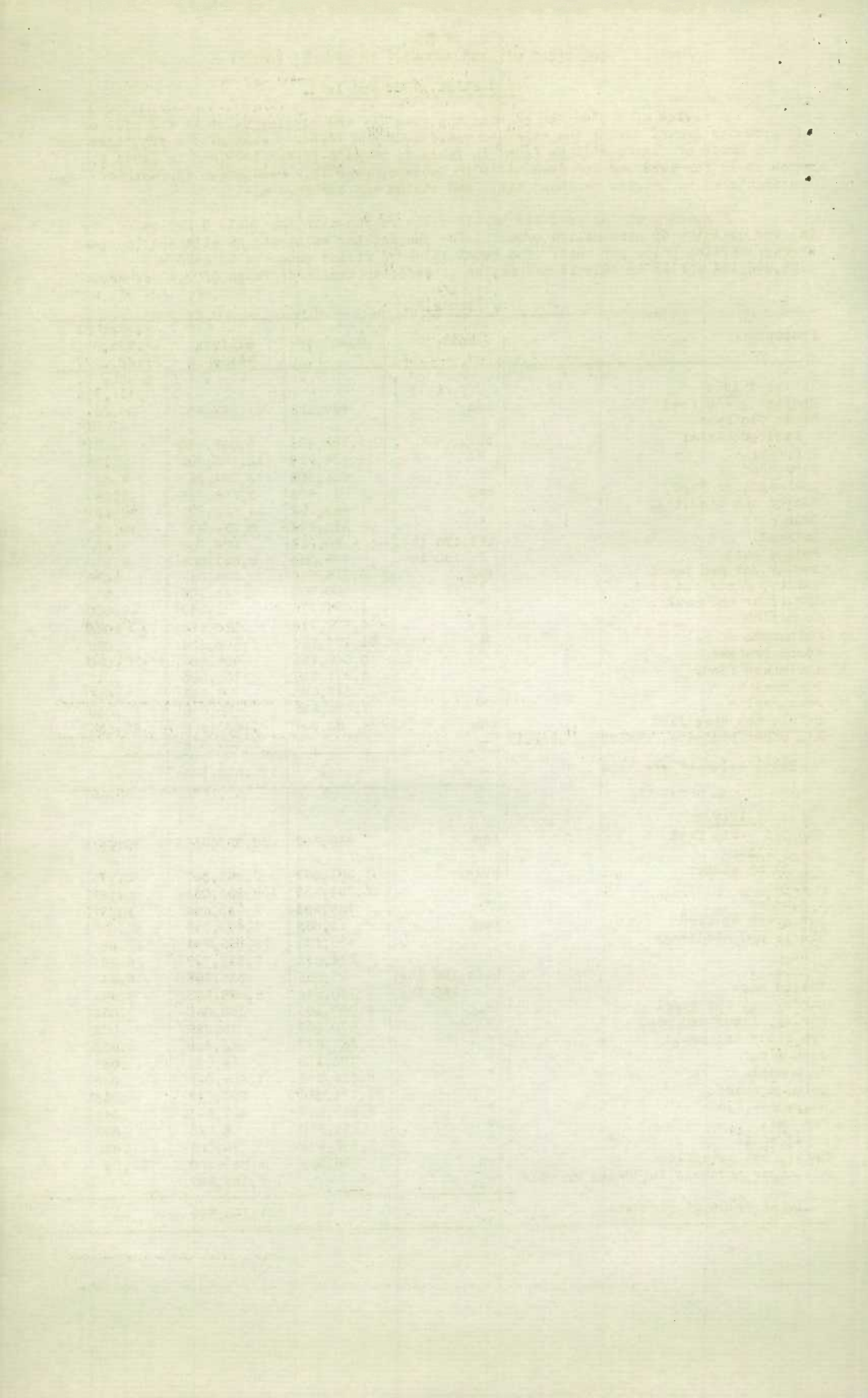
Production, 1928 and 1929.

A review of production showing the quantity and selling value at the mill of all products ground during the calendar years 1928 and 1929 for each of the provinces and for the whole of Canada will be found in Table 4, pages 8-12 for 1929 and in Table 5, pages 13-17 for 1928 and for feed mills in Table 6, page 18. Production is further distinguished as between merchant mills and custom and exchange mills.

A summary of the products of all mills is shown in the Table 3 following, by (a) the quantity of each milled product, (b) the selling value at the mill and (c) the average selling price per unit. The total value of milled products in 1928 was \$195,698,124 whilst in 1929 it had fallen to \$181,148,689, a decrease of 7.4 per cent.

Table 3.

Products	Unit	Quantity	Selling	Average
			Value	Selling
			\$	\$ /
<u>1928</u>				
Chopped grain feed	ton	876,128	31,592,663	36.06
Wheat flour-				
Fall or winter	bbl.	1,288,486	8,047,530	6.25
Spring	"	18,474,648	112,762,398	6.10
Blended	"	626,408	3,964,352	6.33
Low grade or feed	ton	37,870	1,660,769	43.85
Shorts and middlings	"	448,292	14,563,623	32.49
Bran	"	310,694	8,856,891	28.50
Oatmeal	bbl. 196 lbs.	80,926	528,708	6.53
Rolled oats	" 180 lbs.	798,086	6,521,023	8.17
Barley, pot and pearl	lb.	3,713,692	134,567	.036
Barley, flour and meal	"	500,700	11,105	.022
Rye flour and meal	"	1,694,775	51,549	.030
Corn flour	"	4,972,718	126,964	.025
Corn meal	"	61,174,224	1,508,624	.025
Corn, cracked	"	40,045,259	882,087	.022
Buckwheat flour	"	3,571,517	152,503	.042
Pea meal	"	243,595	6,123	.025
Peas, split	"	1,384,535	55,695	.040
Offal, not specified	ton	83,347	1,802,998	21.63
All other products, including cereals	-	-	2,467,952	-
Total value of products	-	-	195,698,124	-
<u>1929</u>				
Chopped grain feed	ton	848,698	30,927,336	36.44
Wheat flour-				
Fall or winter	bbls.	1,001,899	5,982,867	5.97
Spring	"	18,294,535	105,826,023	5.78
Blended	"	459,988	2,743,744	5.97
Low grade or feed	ton	33,833	1,409,646	41.67
Shorts and middlings	"	439,132	12,596,891	28.68
Bran	"	274,612	7,321,777	26.66
Oatmeal	bbls. 196 lbs.	49,555	314,306	6.34
Rolled oats	" 180 lbs.	780,544	6,588,563	8.44
Barley, pot and pearl	lb.	4,009,186	138,058	.034
Barley, flour and meal	"	670,900	15,589	.023
Rye flour and meal	"	1,367,827	41,869	.030
Corn flour	"	703,118	23,676	.033
Corn meal	"	78,314,871	1,809,017	.023
Corn, cracked	"	39,771,831	894,947	.022
Buckwheat flour	"	3,817,017	155,841	.041
Pea meal	"	131,350	8,216	.062
Peas, split	"	1,992,672	75,666	.038
Offal, not specified	ton	88,098	1,839,490	20.88
All other products, including cereals	-	-	2,435,167	-
Total value of products	-	-	181,148,689	-



THE FLOUR MILLING INDUSTRY IN CANADA, 1929.

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	
			\$		\$	\$
<u>CANADA</u>						
Chopped grain feed	ton	83,290	2,556,301	189,148	7,021,586	9,577,887
Wheat flour -						
Fall or winter	bb1.	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 and meal	"	1,317,227	40,324	9,600	315	40,639
Corn -						
Flour	lb.	547,918	18,446	-	-	18,446
Meal	"	33,068,859	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
<u>Prince Edward Island</u>						
Chopped grain feed	ton	8	300	1,755	63,107	63,407
Wheat flour -						
Fall or winter	bb1.	-	-	-	-	-
Spring	"	462	3,346	14,879	105,031	108,377
Blended	"	-	-	-	-	-
Low grade or feed	ton	7	330	72	3,400	3,730
Shorts and 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 and meal	"	-	-	-	-	-
Corn -						
Flour	"	-	-	-	-	-
Meal	"	-	-	-	-	-
Cracked	"	-	-	-	-	-
Buckwheat flour	"	-	-	3,620	181	181
Peas -						
Meal	lb.	-	-	-	-	-
Split	"	-	-	-	-	-
Offal, not otherwise specified	ton	-	-	2	30	30
All other cereal products (value only)	-	-	-	-	-	-
All other products (value only)	-	-	-	-	-	-
Total	-	-	4,604	-	392,102	196,706

THE FLOUR MILLING INDUSTRY IN CANADA, 1929.

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	
<u>Nova Scotia</u>						
Chopped grain feed	ton	-	-	1,992	71,840	71,840
Wheat flour -						
Fall or winter	bb.	-	-	-	-	-
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	-	100,963	370,823
<u>New Brunswick</u>						
Chopped grain feed	ton	49	1,470	563	23,160	24,630
Wheat flour -						
Fall or winter	bb.	-	-	-	-	-
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

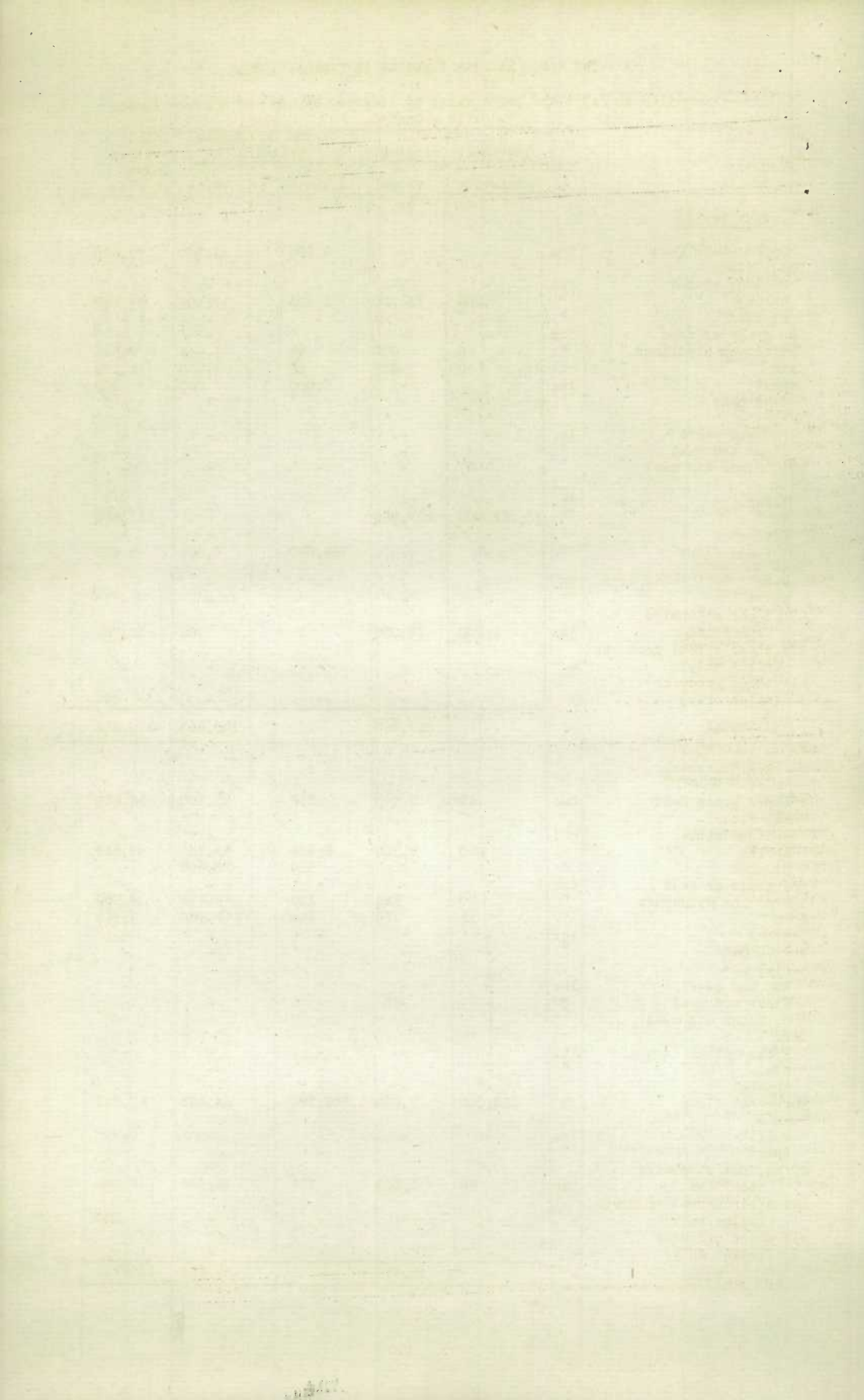


Table 4.- Production in Flour and Grist Mills by classes, Canada and the Provinces, 1929. - Cont'd.

Products	Unit	Merchant Grinding		Custom or Exchange Grinding		Total Selling Value at Mill
		Quantity	Value	Quantity	Value	
			\$		\$	\$
<u>Quebec</u>						
Chopped grain feed	ton	7,045	282,074	18,838	711,140	993,214
Wheat flour -						
Fall or winter	bb1.	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
<u>Ontario.</u>						
Chopped grain feed	ton	62,720	1,748,582	148,733	5,550,092	7,298,674
Wheat flour-						
Fall and winter	bb1.	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	453,387	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	553	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	10,230	347	9,918
Peas -						
Meal	"	58,000	1,390	-	-	1,390
Split	"	-	-	-	-	-
Offal, not otherwise specified	ton	33,290	803,513	5	75	803,538
All other cereal products (value only)	-	-	-	-	-	1,390,050
All other products (value only)	-	-	-	-	-	651,409
TOTAL	-	-	68,278,042	-	5,743,392	73,062,893

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	
<u>Manitoba</u>						
Chopped grain feed	ton	3,923	137,890	6,495	226,855	364,745
Wheat flour -						
Fall or winter	bb1.	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	1,576	2,844
Shorts and middlings	"	38,781	1,136,965	1,081	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
<u>Saskatchewan</u>						
Chopped grain feed	ton	1,237	41,039	4,462	154,558	195,597
Wheat flour -						
Fall or winter	bb1.	11,905	71,430	3,407	19,755	91,185
Spring	"	2,332,648	13,131,746	73,454	490,175	13,621,921
Blended	"	1,933	13,531	-	-	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	"	-	-	-	-	-
Eye, 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

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	
			\$		\$	\$
<u>Alberta</u>						
Chopped grain feed	ton	5,624	215,097	6,140	213,987	429,084
Wheat flour -						
Fall or winter	bbbl.	65	460	4,528	27,230	27,690
Spring	"	2,273,943	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	1,397	50,233	1,581,040
Bran	"	37,494	855,676	1,783	43,888	899,564
Oatmeal	lb.	-	-	-	-	-
Rolled oats	"	6,618,453	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		-	18,761,742	-	890,598	19,796,461
<u>British Columbia</u>						
Chopped grain feed	ton	2,684	129,849	170	6,847	136,696
All other cereal products (value only)	-	-	-	-	-	-
All other products (value only)	-	-	1,780,503	-	4,990	1,785,496
TOTAL	-	-	1,910,355	-	11,837	1,922,192

Table 5.- Production in Flour and Grist Mills by Classes, Canada and the Provinces, 1928.

Products	Unit	Merchant Grinding		Custom or Exchange Grinding		Total selling value at mill
		Quantity	Value	Quantity	Value	
CANADA						
Chopped grain feed	ton	70,597	2,480,035	215,286	7,718,470	10,198,505
Wheat flour -						
Fall or winter	bbbl.	1,240,357	7,755,872	48,129	291,658	8,047,530
Spring	"	18,263,772	111,421,099	210,876	1,341,299	112,762,398
Blended	"	622,691	3,937,341	3,717	27,011	3,964,352
Low grade or feed	ton	37,434	1,642,589	436	18,180	1,660,769
Shorts and middlings	"	442,703	14,405,572	5,589	158,051	14,563,623
Bran	"	305,132	8,715,243	5,562	141,648	8,856,891
Oatmeal	lb.	11,393,662	364,967	5,000	250	365,217
Rolled oats	"	139,435,281	6,364,259	-	-	6,364,259
Barley -						
Pot and pearl	"	2,699,786	97,916	-	-	97,916
Flour and meal	"	500,700	11,105	-	-	11,105
Rye, flour and meal	"	1,612,103	48,977	82,672	2,572	51,549
Corn -						
Flour	"	2,846,348	75,306	-	-	75,306
Meal	"	21,856,766	600,257	-	-	600,257
Cracked	"	12,303,206	281,233	-	-	281,233
Buckwheat flour	"	493,329	18,258	1,472,482	63,836	82,094
Peas -						
Meal	"	-	-	-	-	-
Split	"	13,580	610	-	-	610
Offal not otherwise specified	ton	77,260	1,649,199	834	17,531	1,666,730
All other cereal products	-	-	-	-	-	1,611,208
All other products	-	-	-	-	-	810,243
TOTAL	-	-	159,869,838	-	9,780,506	172,071,795
Prince Edward Island						
Chopped grain feed	ton	9	315	1,829	63,905	64,220
Wheat flour -						
Fall or winter	bbbl.	-	-	-	-	-
Spring	"	485	3,815	10,177	76,860	80,675
Blended	"	-	-	-	-	-
Low grade or feed	ton	3	172	62	3,550	3,722
Shorts and middlings	"	11	453	187	6,740	7,193
Bran	"	8	295	221	7,724	8,019
Oatmeal	lb.	-	-	5,000	250	250
Rolled oats	"	-	-	-	-	-
Barley -						
Pot and pearl	"	-	-	-	-	-
Flour and meal	"	-	-	-	-	-
Rye flour and meal	"	-	-	-	-	-
Corn -						
Flour	"	-	-	-	-	-
Meal	"	-	-	-	-	-
Cracked	"	-	-	-	-	-
Buckwheat flour	"	-	-	4,600	240	240
Peas -						
Meal	"	-	-	-	-	-
Split	"	-	-	-	-	-
Offal, not otherwise specified	ton	-	-	3	50	50
All other cereal products	-	-	-	-	-	-
All other products	-	-	-	-	-	-
TOTAL	-	-	5,050	-	159,319	164,369

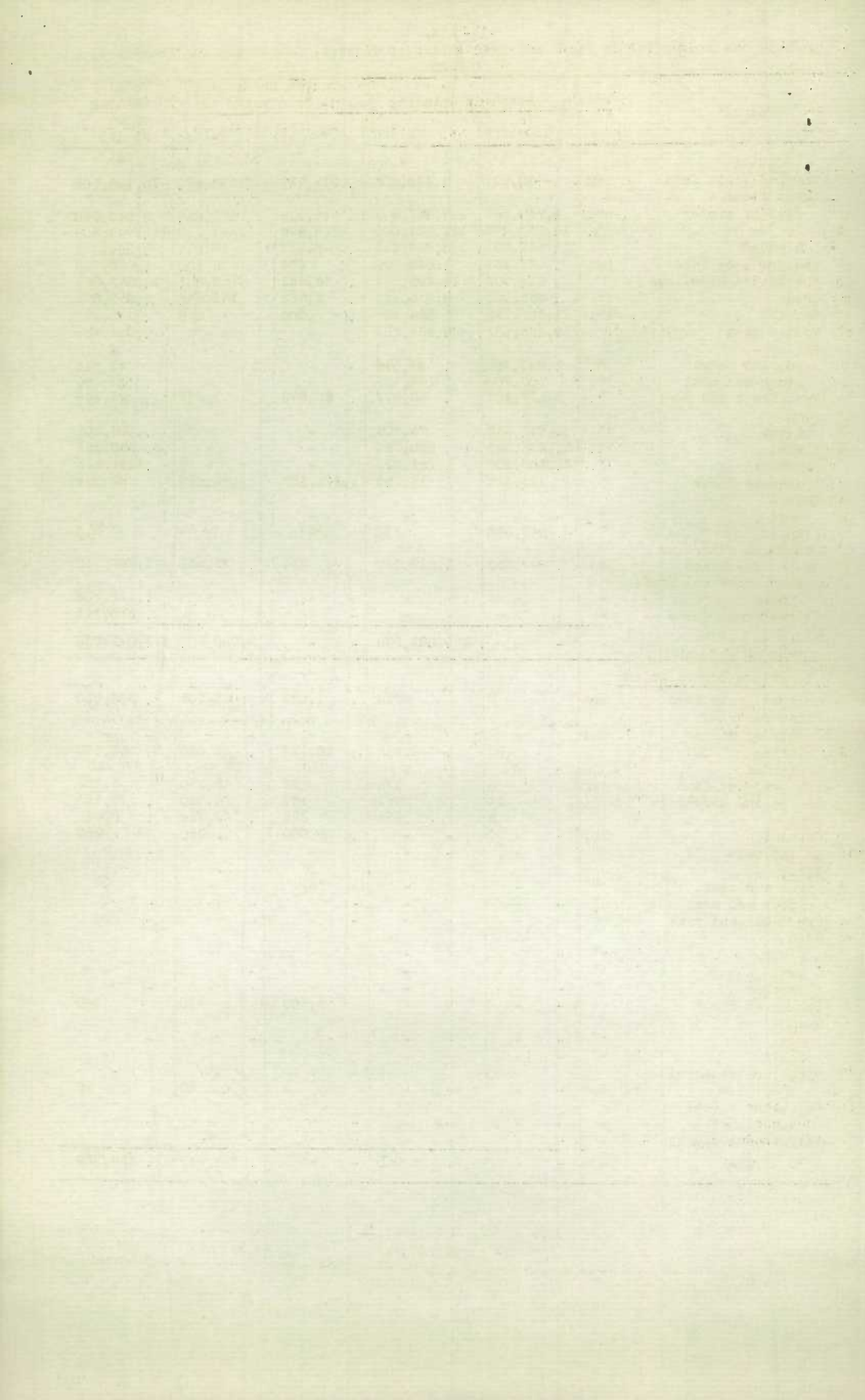


Table 5.-Production in Flour and Grist Mills by Classes, Canada and the Provinces, 1928, Cont'd.

Products	Unit	Merchant Grinding		Custom or Exchange Grinding		Total selling value at mill
		Quantity	Value	Quantity	Value	
<u>Nova Scotia</u>						
Chopped grain feed	ton	-	-	787	29,887	29,887
Wheat flour -						
Fall or winter	bbl.	-	-	-	-	-
Spring	"	-	-	2,021	14,117	14,117
Blended	"	-	-	560	5,050	5,050
Low grade or feed	ton	-	-	-	-	-
Shorts and middlings	"	-	-	52	1,599	1,599
Bran	"	-	-	52	1,517	1,517
Oatmeal	lb.	-	-	-	-	-
Rolled Oats	"	-	-	-	-	-
Barley -						
Pot and pearl	"	-	-	-	-	-
Flour and meal	"	-	-	-	-	-
Rye, flour and meal	"	-	-	-	-	-
Corn -						
Flour	"	-	-	-	-	-
Meal	"	-	-	-	-	-
Cracked	"	-	-	-	-	-
Buckwheat flour	"	-	-	98,500	4,419	4,419
Peas -						
Meal	"	-	-	-	-	-
Split	"	-	-	-	-	-
Offal not otherwise specified	ton	-	-	66	1,320	1,320
All other cereal products (value only)	-	-	-	-	-	-
All other products (value only)	-	-	-	-	-	-
TOTAL	-	-	-	-	57,909	57,909
<u>New Brunswick</u>						
Chopped grain feed	ton	121	5,330	378	14,880	20,210
Wheat flour -						
Fall or winter	bbl.	-	-	-	-	-
Spring	"	300	2,400	5,079	37,605	40,005
Blended	"	-	-	560	4,000	4,000
Low grade or feed	ton	-	-	-	-	-
Shorts and middlings	"	8	240	106	3,490	3,730
Bran	"	7	210	117	3,659	3,869
Oatmeal	lb.	-	-	-	-	-
Rolled oats	"	-	-	-	-	-
Barley -						
Pot and pearl	"	-	-	-	-	-
Flour and meal	"	-	-	-	-	-
Rye flour and meal	"	-	-	-	-	-
Corn -						
Flour	"	-	-	-	-	-
Meal	"	-	-	-	-	-
Cracked	"	-	-	-	-	-
Buckwheat flour	"	115,000	3,450	1,275,596	54,917	58,367
Peas -						
Meal	"	-	-	-	-	-
Split	"	-	-	-	-	-
Offal, not otherwise specified	ton	65	1,300	658	13,805	15,105
All other cereal products (value only)	-	-	-	-	-	-
All other products (value only)	-	-	-	-	-	-
TOTAL	-	-	12,930	-	132,356	146,286

Table 5.- Production in Flour and Grist Mills by Classes, Canada and the Provinces, 1928 - Cont'd.

Products	Unit	Merchant Grinding		Custom or Exchange Grinding		Total Selling Value at Mill
		Quantity	Value	Quantity	Value	
<u>Quebec</u>						
Chopped grain feed	ton	3,449	147,167	19,487	746,540	893,707
Wheat flour -						
Fall or winter	bbl.	70	490	1,521	10,716	11,206
Spring	"	3,102,600	20,690,014	27,514	196,042	20,885,056
Blended	"	6,612	50,345	2,317	15,717	66,062
Low grade or feed	ton	12,217	602,873	79	3,271	606,144
Shorts and middlings	"	71,231	2,494,948	687	21,777	2,516,725
Bran	"	50,562	1,573,866	693	21,234	1,595,100
Oatmeal	lb.	-	-	-	-	-
Rolled oats	"	-	-	-	-	-
Barley						
Pot and pearl	"	375,340	13,742	-	-	13,742
Flour and meal	"	494,700	10,980	-	-	10,980
Rye, flour and meal	"	-	-	-	-	-
Corn -						
Flour	"	605,738	19,291	-	-	19,291
Meal	"	3,088,888	72,112	-	-	72,112
Cracked	"	1,663,770	36,842	-	-	36,842
Buckwheat flour	"	81,800	3,581	72,040	3,363	6,944
Peas -						
Meal	"	-	-	-	-	-
Split	"	-	-	-	-	-
Offal, not otherwise specified	ton	764	19,817	55	1,227	21,044
All other cereal products (value only)	-	-	-	-	-	-
All other products (value only)	-	-	-	-	-	-
TOTAL	-	-	25,736,068	-	1,018,887	26,754,955
<u>Ontario</u>						
Chopped grain feed	ton	53,919	1,837,808	171,129	6,153,727	7,991,535
Wheat flour -						
Fall or winter	bbl.	1,171,384	7,195,420	1,789	11,155	7,206,575
Spring	"	9,133,799	52,554,766	13,242	82,167	52,636,933
Blended	"	74,023	450,649	280	2,244	452,893
Low grade or feed	ton	20,375	841,978	24	865	842,843
Shorts and middlings	"	236,474	7,695,030	326	11,381	7,706,411
Bran	"	145,364	4,254,229	251	7,894	4,262,123
Oatmeal	lb.	-	-	-	-	-
Rolled oats	"	65,437,920	3,708,632	-	-	3,708,632
Barley -						
Pot and pearl	"	1,379,904	46,477	-	-	46,477
Flour and meal	"	6,000	125	-	-	125
Rye, flour and meal	"	1,496,287	45,516	1,000	40	45,556
Corn -						
Flour	"	2,240,610	56,015	-	-	56,015
Meal	"	11,913,878	356,795	-	-	356,795
Cracked	"	6,575,436	140,391	-	-	140,391
Buckwheat flour	"	296,529	11,227	21,746	897	12,124
Peas -						
Meal	"	-	-	-	-	-
Split	"	13,580	610	-	-	610
Offal not otherwise specified	ton	38,184	934,077	12	299	934,376
All other cereal products (value only)	-	-	-	-	-	1,432,135
All other products (value only)	-	-	-	-	-	797,310
TOTAL	-	-	80,129,745	-	6,270,669	88,629,859

Table 5.- Production in Flour and Grist Mills by Classes, Canada and the Provinces, 1928 - Cont'd.

Products	Unit	Merchant Grinding		Custom or Exchange Grinding		Total Selling Value at Mill
		Quantity	Value \$	Quantity	Value \$	
<u>Manitoba</u>						
Chopped grain feed	ton	3,924	120,818	6,700	228,027	348,845
Wheat flour -						
Fall or winter	bbl.	1,500	9,000	6,409	38,471	44,471
Spring	"	1,984,413	13,298,023	36,511	212,610	13,510,633
Blended	"	180,496	1,232,773	-	-	1,232,773
Low grade or feed	ton	12	600	26	817	1,417
Shorts and middlings	"	40,791	1,326,197	844	23,520	1,349,717
Bran	"	32,042	931,908	331	20,605	952,513
Oatmeal	lb.	7,640,372	241,667	-	-	241,667
Rolled oats	"	28,898,621	939,234	-	-	939,234
Barley -						
Pot and pearl	"	258,070	9,245	-	-	9,245
Flour and meal	"	-	-	-	-	-
Rye, flour and meal	"	109,600	3,195	69,000	2,070	5,265
Corn -						
Flour	"	-	-	-	-	-
Meal	"	-	-	-	-	-
Cracked	"	-	-	-	-	-
Buckwheat flour	"	-	-	-	-	-
Peas -						
Meal	"	-	-	-	-	-
Split	"	-	-	-	-	-
Offal not otherwise specified	ton	9,021	152,445	29	630	153,075
All other cereal products (value only)	-	-	-	-	-	-
All other products (value only)	-	-	-	-	-	-
TOTAL	-	-	18,265,105	-	523,750	18,788,855
<u>Saskatchewan</u>						
Chopped grain feed	ton	1,946	65,871	6,519	212,636	278,507
Wheat flour -						
Fall or winter	bbl.	8,553	56,295	12,636	84,567	140,862
Spring	"	1,655,332	10,611,256	59,376	384,394	10,995,650
Blended	"	3,037	21,469	-	-	21,469
Low grade or feed	ton	1,399	55,787	79	3,415	59,202
Shorts and middlings	"	41,336	1,302,832	1,651	43,102	1,345,934
Bran	"	29,667	706,592	1,558	38,832	745,424
Oatmeal	lb.	1,965,583	53,268	-	-	53,268
Rolled oats	"	35,803,253	1,369,406	-	-	1,369,406
Barley -						
Pot and pearl	"	640,920	26,662	-	-	26,662
Flour and meal	"	-	-	-	-	-
Rye, flour and meal	"	3,456	126	12,672	462	588
Corn -						
Flour	"	-	-	-	-	-
Meal	"	-	-	-	-	-
Cracked	"	-	-	-	-	-
Buckwheat flour	"	-	-	-	-	-
Peas -						
Meal	"	-	-	-	-	-
Split	"	-	-	-	-	-
Offal not otherwise specified	ton	23,087	445,476	7	140	445,616
All other cereal products (value only)	-	-	-	-	-	55,602
All other products (value only)	-	-	-	-	-	2,022
TOTAL	-	-	14,715,040	-	767,548	15,540,212

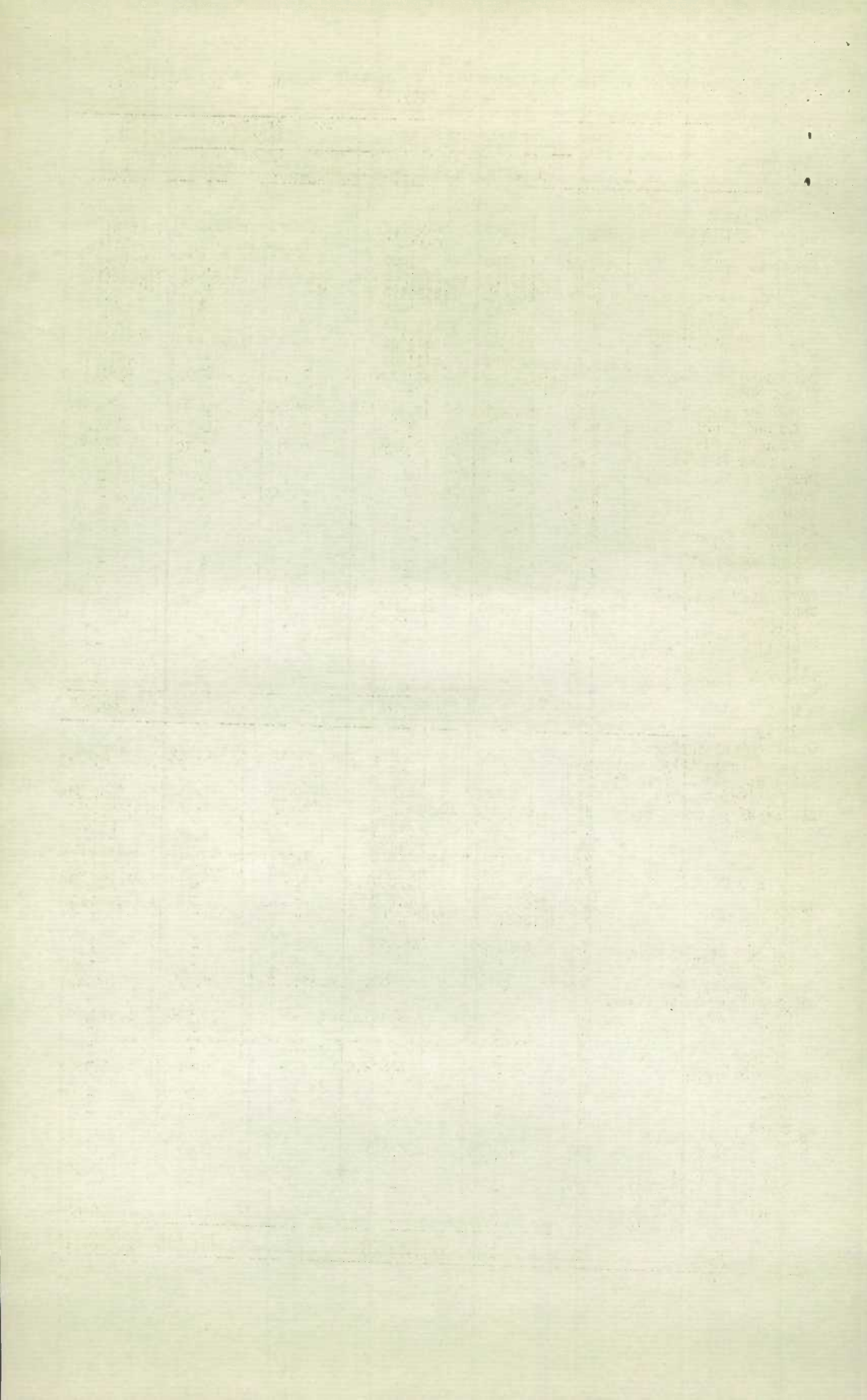


Table 5. Production in Flour and Grist Mills by Classes, Canada and the Provinces 1928. Cont'd.

Products	Unit	Merchant Grinding		Custom or Exchange Grinding		Total Selling Value at Mill
		Quantity	Value	Quantity	Value	
			\$		\$	\$
<u>Alberta</u>						
Chopped grain feed	ton	4,746	182,912	8,391	266,558	449,470
Wheat Flour						
Fall or winter	bbl.	58,538	491,702	25,714	149,749	641,451
Spring	"	2,272,292	13,374,935	56,956	338,504	13,713,439
Blended	"	358,493	2,182,105	-	-	2,182,105
Low grade or feed	ton	2,682	103,133	166	6,262	109,395
Shorts and middlings	"	50,657	1,504,671	1,736	46,442	1,551,113
Bran	"	45,023	1,157,221	1,839	40,183	1,197,404
Oatmeal	lb.	1,141,409	40,949	-	-	40,949
Rolled Oats	"	7,633,580	273,863	-	-	273,863
Barley -						
Pot and pearl	"	45,542	1,790	-	-	1,790
Flour and meal	"	-	-	-	-	-
Rye, flour and meal	"	2,760	140	-	-	140
Corn -						
Flour	"	-	-	-	-	-
Meal	"	-	-	-	-	-
Cracked	"	-	-	-	-	-
Buckwheat flour	"	-	-	-	-	-
Peas -						
Meal	"	-	-	-	-	-
Split	"	-	-	-	-	-
Offal not otherwise specified	ton	5,517	89,663	4	60	89,723
All other cereal products (value only)	-	-	-	-	-	101,676
All other products (value only)	-	-	-	-	-	-
T O T A L	-	-	19,403,084	-	847,758	20,352,518
<u>British Columbia</u>						
Chopped grain feed	ton	2,483	119,814	66	2,310	122,124
All other products (value only)	-	-	1,483,002	-	32,706	1,515,708
T O T A L	-	-	1,602,816	-	35,016	1,637,832

Table 6.- Production in Feed Mills by Classes, Quantity and Value, for Canada and the Provinces, 1928 and 1929.

	Chopped grain feed		Other Products		Total	
	Quantity	Value	Quantity	Value	Quantity	Value
	ton	\$	ton	\$	ton	\$
<u>1929</u>						
CANADA	576,260	21,349,449	53,546	2,524,911	629,806	23,874,360
Prince Edward Island	552	19,320	-	-	552	19,320
Nova Scotia	696	31,713	4,774	232,913	5,470	264,626
New Brunswick	6,507	300,923	28,398	1,236,649	34,905	1,537,572
Quebec	63,168	2,450,757	4,124	181,444	67,292	2,632,201
Ontario	474,160	17,535,676	13,639	634,701	487,799	18,170,377
Manitoba	5,207	183,706	605	37,450	5,812	221,156
Saskatchewan	6,467	219,043	-	13,791	6,467	232,834
Alberta	19,503	608,311	161	5,790	19,664	614,101
British Columbia	-	-	1,845	182,173	1,845	182,173
<u>1928</u>						
CANADA	590,245	21,394,158	47,919	2,232,171	638,164	23,626,329
Prince Edward Island	351	12,975	-	-	351	12,975
Nova Scotia	1,743	76,715	9,366	452,819	11,109	529,534
New Brunswick	9,591	450,801	25,225	1,112,214	34,816	1,563,015
Quebec	65,878	2,573,972	218	9,832	66,096	2,583,804
Ontario	479,670	17,218,416	12,771	638,366	492,441	17,856,782
Manitoba	4,815	167,607	339	18,940	5,154	186,547
Saskatchewan	7,300	241,077	-	-	7,300	241,077
Alberta	20,897	652,595	-	-	20,897	652,595
British Columbia	-	-	-	-	-	-

Materials Used

The quantity and cost value of the grains milled during 1928 and 1929 is shown by provinces in Tables 7 and 8 for flour and grist mills and in Table 9 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 1928 the cost of grains was \$135,569,749 and of containers \$9,298,768. The total cost of all materials including containers amounted to \$144,868,517 in 1928 and to \$130,437,426 in 1929, a decrease from 1928 of approximately 11 per cent.

The average price per bushel of each kind of grain and the percentage of increase or decrease per bushel is indicated in the summary table following for the years 1928 and 1929.

	Average price per bushel delivered at mill		Increase or decrease over 1928	
	1928	1929	per bushel	Per cent
	\$ ¢	\$ ¢		
Wheat	1.266	1.01	- .256	- 20.22
Oats	.609	.556	- .053	- 8.70
Barley	.76	.737	- .023	- 3.03
Rye	1.025	.976	- .049	- 4.78
Corn	1.08	1.075	+ .005	+ .50
Buckwheat	.863	.880	+ .017	+ .20
Peas	1.422	1.667	+ .245	+ 17.24
Mixed Grains	.616	.538	+ .022	+ 3.57

Note: The minus sign in column 3 and 4 designates a decrease and the plus sign an increase.

Table 7. - 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		Br. 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

Table 9.- 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	17,842	1,359,345	965,606
Other grains	"	148,347	87,262	-	-	-	-	-	-	-	-
All other materials	"	-	37,696	-	-	-	-	-	-	17,946	10,390
Cost of containers, etc.	-	-	126,175	-	-	-	7,476	-	47,415	-	15,435
TOTAL	-	-	20,369,239	-	15,660	-	223,368	-	1,398,607	-	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

Table 10.- Materials Used in Chopping Mills by Provinces, 1928.

Materials		CANADA		P.E. Island		Nova Scotia		New Brunswick		Quebec	
		Quantity	Value	Quantity	Value	Quantity	Value	Quantity	Value	Quantity	Value
Wheat	Bush.	223,650	228,726	-	-	2,500	3,125	7,225	8,142	59,250	59,720
Oats	"	4,416,440	2,484,100	9,850	5,725	31,708	20,577	430,343	318,817	921,678	481,469
Barley	"	895,736	665,570	-	-	2,176	1,543	3,982	2,851	188,384	164,235
Rye	"	111,640	117,989	-	-	-	-	-	-	63,347	78,931
Corn	"	1,794,822	1,950,410	-	-	333,431	385,026	914,145	982,068	325,050	360,302
Buckwheat	"	261,755	228,832	-	-	189	228	63,859	53,659	139,582	125,461
Peas	"	42,210	67,846	-	-	-	-	-	-	1,970	3,835
Mixed grain	"	23,184,795	14,232,939	9,200	5,520	48,468	38,963	11,593	7,556	1,316,147	943,297
Other grains	"	71,330	45,556	-	-	-	-	-	-	5,000	2,662
Cost of Containers (Value Only)	"	-	117,492	-	-	-	13,766	-	50,701	-	16,695
All other materials	"	-	24,844	-	-	-	-	-	-	-	-
TOTAL		-	20,164,304	-	11,245	-	463,228	-	1,423,794	-	2,236,607

Materials		Ontario		Manitoba		Saskatchewan		Alberta	
		Quantity	Value	Quantity	Value	Quantity	Value	Quantity	Value
Wheat	Bush.	109,207	120,147	600	750	2,345	1,742	42,523	35,100
Oats	"	2,470,412	1,404,208	103,596	55,318	186,004	89,520	262,849	108,466
Barley	"	571,614	422,154	5,442	3,939	74,376	44,724	49,762	26,124
Rye	"	26,830	25,310	19,200	12,080	50	40	2,213	1,628
Corn	"	198,437	198,992	18,000	17,000	-	-	5,759	7,022
Buckwheat	"	42,925	34,284	15,200	15,200	-	-	-	-
Peas	"	40,240	64,011	-	-	-	-	-	-
Mixed grain	"	20,901,763	12,765,511	101,752	59,991	111,921	57,582	683,951	354,519
Other grains	"	66,330	42,894	-	-	-	-	-	-
Cost of Containers (Value Only)	"	-	35,972	-	156	-	18	-	184
All Other Materials	"	-	24,844	-	-	-	-	-	-
TOTAL		-	15,138,327	-	164,434	-	193,626	-	533,043

Capital invested 1928 and 1929.

The amount of capital invested in the milling industry is shown by items and by provinces in Table 11 for the calendar years 1928 and 1929. The amount of fixed capital investment in flour mills which in 1928 was \$32,250,941 increased to \$32,642,100 in 1929, whilst working capital (including materials, etc. and cash trading and operating accounts) increased from \$25,316,138 in 1928 to \$28,573,105 in 1929. Chopping mills show an increase in total investment over 1928 of \$610,833.

Table 11. Capital invested in the Milling Industry by Items and Provinces, 1928 and 1929.

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
<u>1929</u>						
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	93,182	3,806	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
<u>1928</u>						
Prince Edward Island	63,200	6,843	2,804	72,847	2,600	75,447
Nova Scotia	50,000	375	-	50,375	325,932	376,307
New Brunswick	83,500	2,450	1,900	87,850	263,050	350,900
Quebec	5,071,184	1,244,753	2,198,099	8,514,036	1,782,705	10,296,741
Ontario	16,719,193	7,000,642	3,042,278	26,762,113	3,238,737	30,000,850
Manitoba	3,513,778	1,412,453	1,050,860	5,977,111	73,362	6,050,473
Saskatchewan	1,605,843	3,286,260	1,166,157	6,058,260	31,958	6,090,218
Alberta	4,561,247	2,763,970	1,322,840	8,648,057	229,152	8,877,209
British Columbia	582,996	447,279	366,155	1,396,430	-	1,396,430
CANADA	32,250,941	16,165,025	9,151,113	57,567,079	5,947,496	63,514,575

STAFF	POSITION	CLASSIFICATION	GRADE	STATUS	REMARKS
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Employees, Salaries and Wages

The number of persons employed in the industry for each of the provinces and the Dominion is shown in Table 12 by classes of employment, sex, and amounts paid in salaries and wages. The total number employed was 6,556 in 1928 and 6,618 in 1929, whilst the amount paid in salaries and wages totalled \$7,606,674 in 1928 and \$7,578,276 in 1929.

Table 12.- Employees, Salaries and Wages by Classes of Mills and Provinces, 1928 and 1929.

Provinces	Employees on Salaries, in Flour and Grist Mills			Employees on Wages in						Total		
	Male No.	Female No.	Salaries \$	Flour and Grist Mills			Feed Mills		Salaries & Wages \$	Employees		Salaries and Wages \$
				Male No.	Female No.	Wages \$	Male No.	Female No.		Male No.	Female No.	
<u>1929</u>												
Prince Edward Island	-	-	-	19	-	11,308	2	-	770	21	-	12,078
Nova Scotia	-	1	780	14	-	8,832	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	90	-	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
<u>1928</u>												
Prince Edward Island	-	-	-	15	-	7,280	2	-	630	17	-	7,910
Nova Scotia	-	-	-	9	-	3,438	26	1	24,711	35	1	28,149
New Brunswick	-	-	-	12	1	9,586	54	4	50,469	66	5	60,055
Quebec	135	25	430,251	586	2	626,888	327	2	149,495	1,048	29	1,206,634
Ontario	293	101	712,549	2,058	107	2,364,814	784	5	594,015	3,135	213	3,671,378
Manitoba	111	10	203,153	403	16	454,587	12	-	7,850	526	26	665,590
Saskatchewan	190	28	397,574	347	11	410,522	18	-	9,877	555	39	817,973
Alberta	152	36	352,983	528	4	656,176	36	-	24,212	716	40	1,033,371
British Columbia	8	-	15,110	96	1	100,504	-	-	-	104	1	115,614
CANADA	889	200	2,111,620	4,054	142	4,633,795	1,259	12	861,259	6,202	354	7,606,674

Working Time of Plants and Employees

The working time of plants and employees is presented in Tables 13 (a), 13 (b), 13 (c) and 13 (d). The number of wage-earners employed during each month of the year is shown in Table 13 (a) for flour mills and feed mills. The months of highest employment in both sections of the industry were from October to December in 1928 and from September to November in 1929, whilst those of lowest employment in both sections of the industry were from April to August in both years. 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 13 (a).- Working time of employees for months by number and sex, 1928 and 1929.

Months	In Flour Mills				Months	In Feed Mills			
	1928		1929			1928		1929	
	Males	Females	Males	Females		Males	Females	Males	Females
January	4,075	132	3,946	129	January	1,099	-	1,114	1
February	4,020	146	3,895	130	February	1,096	-	1,108	1
March	3,982	151	3,924	142	March	1,108	1	1,124	1
April	3,841	137	3,889	136	April	1,078	1	1,090	1
May	3,887	126	3,991	143	May	1,060	-	1,071	1
June	3,760	128	3,887	143	June	1,018	-	1,023	1
July	3,713	105	3,843	147	July	1,034	1	1,040	1
August	3,885	143	3,867	150	August	1,043	-	1,051	1
September	4,017	168	4,012	136	September	1,141	1	1,167	1
October	4,257	160	4,103	141	October	1,218	1	1,224	1
November	4,322	153	4,117	137	November	1,224	1	1,252	1
December	4,241	139	3,947	132	December	1,215	-	1,250	1
Total by Months	48,000	1,688	47,421	1,666	Total by Months	13,334	6	13,514	12
Average Monthly Employment	4,054	142	3,998	140	Average Monthly Employment	1,238	1	1,269	1

In Table 13 (b) the working time of plants for the Dominion is presented, whether working full time, part time or idle. Full time operation in flour mills was carried on during 205.07 days or 67.46 per cent, part time operation on 39.86 days or 13.11 per cent of a full years operations, whilst idle time was 59.07 days or 19.43 per cent. In feed mills the percentage of full time operation was 56.42, of part time operation 15.13 per cent and for idle time 28.45 per cent.

Table 13 (b).- Working time in Flour Mills by Provinces, 1929.

Provinces	No. of Plants	Days in Operation			Average working time per plant		
		On full time	On part time	Idle	On full time	On part time	Idle
CANADA	409	83,873	16,305	24,158	205.07	39.86	59.07
Prince Edward Island	17	2,640	900	1,628	155.29	52.94	95.77
Nova Scotia	9	1,148	300	1,288	127.56	33.33	143.11
New Brunswick	12	1,976	340	1,332	164.67	28.33	111.00
Quebec	83	14,686	3,176	7,370	176.94	38.26	88.80
Ontario	173	40,492	7,611	4,489	234.06	44.00	25.94
Manitoba	28	5,508	1,187	1,817	196.71	42.40	64.89
Saskatchewan	48	9,179	1,651	3,762	191.23	34.40	78.37
Alberta	35	7,405	1,135	2,100	211.57	32.43	60.00
British Columbia	4	839	5	372	209.75	1.25	93.00

Working time in Feed Mills, by Provinces, 1929.

CANADA	916	157,111	42,142	79,211	171.52	46.01	86.49
Prince Edward Island	2	110	226	272	55.00	113.00	136.00
Nova Scotia	11	922	1,101	1,321	83.82	100.09	120.09
New Brunswick	22	2,882	1,387	2,419	131.00	63.05	109.95
Quebec	278	33,201	9,342	41,969	119.43	33.60	150.97
Ontario	544	109,426	27,175	28,775	201.15	49.95	52.90
Manitoba	11	1,208	1,008	1,128	109.82	91.63	102.55
Saskatchewan	18	2,634	979	1,859	146.33	54.39	103.28
Alberta	28	6,183	872	1,457	220.82	31.14	52.04
British Columbia	2	545	52	11	272.50	26.00	5.50

The number and percentages of wage earners in months of highest employment working specified hours is shown by provinces for the calendar year 1929 in Table 13 (c) for each class of mills. From this table it will appear that the eight hour day in flour mills prevailed in Manitoba, Alberta and British Columbia, whilst the ten hour day prevailed in the remaining provinces. In feed mills the situation is different owing to the nature of the industry as will be observed by a study of the percentages in columns 5 to 8.

Table 13(c).- Hours worked by Wage earners in Month of Highest Employment, 1929.

Provinces	(1) In Flour Mills							
	Number of wage earners in months of highest employment working per day of				Percentage of wage-earners working per day of			
	8 hours or less	9 hours	10 hours	Over 10 hours	8 hours or less	9 hours	10 hours	Over 10 hours
CANADA	1,414	401	2,296	480	30.80	8.73	50.01	10.46
Prince Edward Island	7	1	12	-	35.00	5.00	60.00	-
Nova Scotia	4	-	6	2	33.33	-	50.00	16.67
New Brunswick	2	-	16	-	11.11	-	88.89	-
Quebec	47	-	440	119	7.75	-	72.61	19.64
Ontario	292	205	1,532	273	12.68	8.91	66.55	11.86
Manitoba	420	22	36	8	86.42	4.53	7.41	1.64
Saskatchewan	125	56	209	73	27.00	12.09	45.14	15.77
Alberta	428	112	40	5	73.16	19.15	6.84	.85
British Columbia	89	5	5	-	89.90	5.05	5.05	-

(2) In Feed Mills

CANADA	415	126	802	18	30.49	9.26	58.93	1.32
Prince Edward Island	2	-	-	-	100.00	-	-	-
Nova Scotia	5	7	8	-	25.00	35.00	40.00	-
New Brunswick	11	7	46	-	17.19	10.94	71.87	-
Quebec	113	4	223	-	33.23	1.18	65.59	-
Ontario	260	84	489	18	30.55	9.87	57.46	2.12
Manitoba	7	3	3	-	53.85	23.07	23.08	-
Saskatchewan	7	1	10	-	38.89	5.55	55.56	-
Alberta	10	1	23	-	29.41	2.94	67.65	-
British Columbia	-	19	-	-	-	100.00	-	-

The hours worked per day in month of highest employment and the standard working hours per week are shown by provinces for each class of mill in Table 13 (d). It should be noted that the statistics relating to hours of labour in columns 1, 2 and 3 are based on figures compiled for the month of highest employment whilst those in columns 4 and 5 represent the total standard and average weekly hours of labour for the number of establishments reporting to the Bureau in 1929. On this account and because of the considerable number of smaller mills working 8 hours per day or less the relation between daily and weekly hours is to some extent impaired. The average daily hours of labour in flour mills in the Dominion was 9.35 and in feed mills 9.30 hours and the standard weekly hours were 56.00 in flour mills and 49.03 hours in feed mills.

Table 13 (d).- Hours of Labour, per day and per week, 1929.

(1) In Flour Mills

Provinces	Total hours worked per day and number of wage earners in month of highest employment			Standard working hours per week per plant	
	Total hours	Total wage-earners	Average hours per day per wage-earner	Total hours	Average per mill
CANADA	42,921	4,591	9.35	22,902	56.00
Prince Edward Island	185	20	9.25	860	50.59
Nova Scotia	113	12	9.42	435	48.33
New Brunswick	176	18	9.78	638	53.17
Quebec	6,025	606	9.94	4,588	55.28
Ontario	22,368	2,302	9.72	9,914	57.31
Manitoba	4,002	485	8.23	1,546	55.21
Saskatchewan	4,360	463	9.41	2,850	59.37
Alberta	4,885	585	8.35	1,899	54.26
British Columbia	807	99	8.15	172	43.00

(2) In Feed Mills

CANADA	12,663	1,361	9.30	44,910	49.03
Prince Edward Island	16	2	8.00	80	40.00
Nova Scotia	183	20	9.15	346	31.45
New Brunswick	611	64	9.55	925	42.05
Quebec	3,170	340	9.32	14,203	51.09
Ontario	7,915	851	9.30	26,492	48.70
Manitoba	113	13	8.70	434	39.45
Saskatchewan	165	18	9.17	838	46.55
Alberta	319	34	9.38	1,492	53.29
British Columbia	171	19	9.00	100	50.00

Fuel Consumption

The consumption of fuel by classes, quantity and value is shown in Table 14 by classes of mills. In 1928 the total expenditure for fuel in all classes of mills in the Dominion was \$598,771, whilst in 1929 the expenditure had fallen to \$575,341 or a decrease in value of \$22,930. The cost of electricity also fell from \$1,045,587 in 1928 to \$1,024,843 in 1929 or a decrease of \$20,744.

Table 14.- Fuel Consumption by classes of Mills, 1928 and 1929.

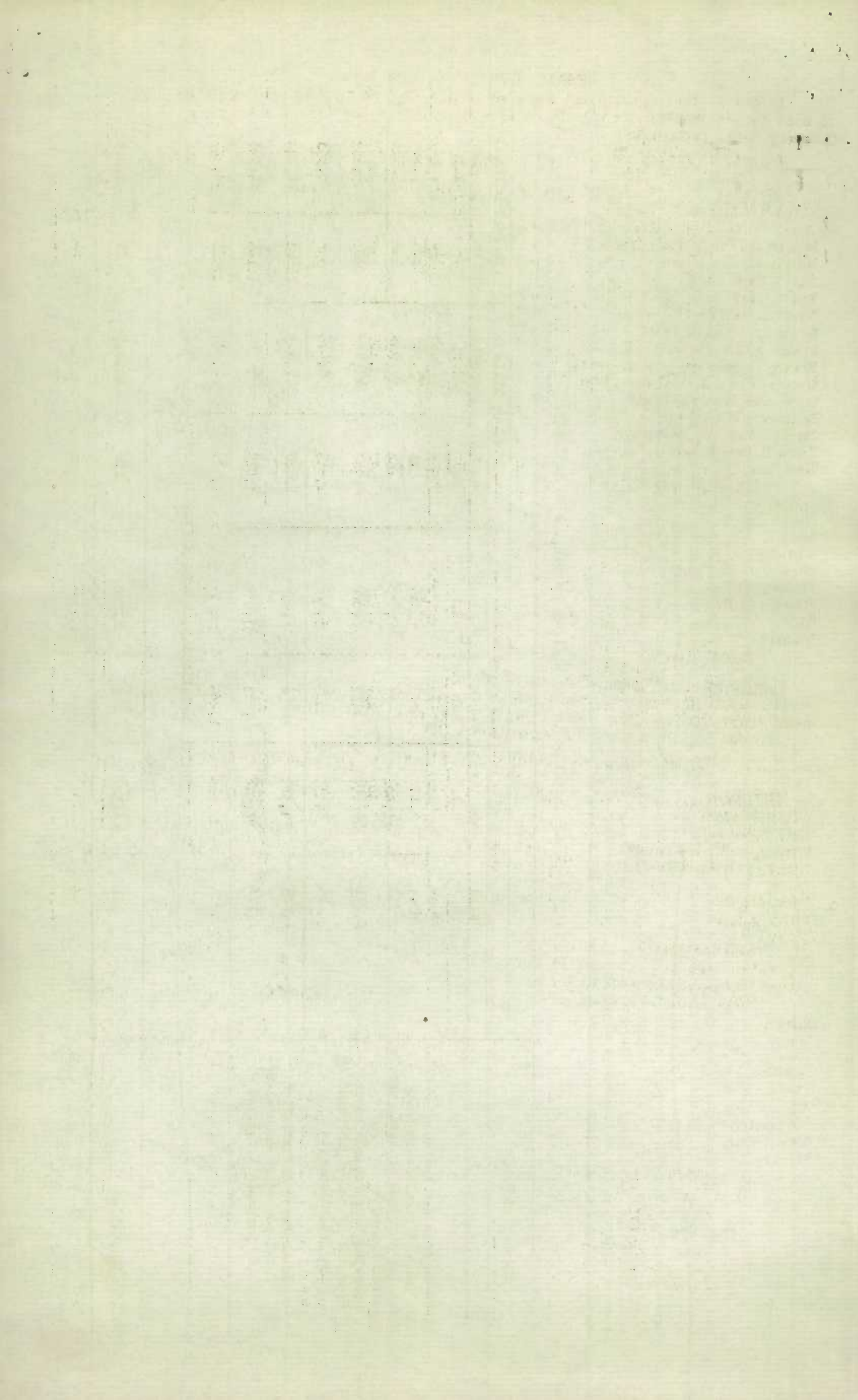
Classes of Fuel	Unit	1928				1929			
		In Flour Mills		In Feed Mills		In Flour Mills		In Feed Mills	
		Quantity	Value	Quantity	Value	Quantity	Value	Quantity	Value
Bituminous coal	ton	62,339	\$345,289	2,757	\$16,205	58,417	\$318,937	2,566	\$15,305
Anthracite coal	"	1,274	9,260	281	2,908	1,152	8,133	253	2,523
Lignite coal	"	18,597	78,441	268	1,096	18,615	72,452	48	296
Coke	"	101	891	14	146	206	760	18	167
Gasoline	gal.	8,818	2,621	55,341	13,847	16,400	4,600	55,889	14,233
Oil (fuel)	"	123,505	19,345	245,937	33,102	152,378	23,177	248,407	32,058
Wood	cord	9,651	35,984	2,277	8,140	10,430	39,383	2,013	6,820
Gas, artificial and natural	m.c.ft.	427,258	21,321	13,711	8,103	454,689	21,584	14,942	8,958
All other fuel	-	-	1,972	-	100	-	6,309	-	118
TOTAL	-	-	515,124	-	83,647	-	495,335	-	80,506

Power Installation

The statistics relating to the classes of power employed in the industry are shown in Table 15, by the number of units and by the horse power installed, in each of the classes of mills for the year 1928 and 1929. The total available horse power in Flour and Grist mills in 1928 was 87,603 horse power, and in Feed and Chopping mills 34,292 horse power. In 1929 the available horse power in Flour mills was 86,378 and in Feed and Chopping mills 37,050. Of the total power installed in 1929 electric motors operated by purchased power totalled 51,210 horse power and in 1928, 50,676 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 1928 the available horse power was 2,100 in Flour and Grist mills and 7,099 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 1928 the total available horse power in Flour and Grist mills was 20,234 horse power, and in Feed and Chopping mills 15,593 horse power. Boiler installation shows an increase for both classes of mills of 5 in the number of units and a decrease of 623 in available horse power. Horse power used in manufacturing in both classes of mills increased from 119,095 horse power in 1928 to 121,829 horse power in 1929, an increase of 2,734 horse power.

Table 15. - Power Installed in the Milling Industry, 1928 and 1929.

Classes of Power	1929				1928				
	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	104	11,838	75	3,202	- 29 -
Oil, gas and gasoline engines	75	2,407	256	7,786	72	2,100	250	7,099	
Hydraulic turbines or water wheels	331	19,795	512	16,860	347	20,234	480	15,593	
Electric motors:-									
Operated by purchased power	1,271	51,210	394	9,088	1,215	50,676	356	8,353	
Operated by power generated by the establishment	52	1,564	2	35	72	2,755	4	45	
Total Power Installation	1,823	86,378	1,243	37,050	1,810	87,603	1,165	34,292	
Total power for manufacturing purposes(1,2,3,and 4)	1,771	84,814	1,241	37,015	1,738	84,848	1,161	34,247	
Boiler Installation, 1928 and 1929.									
Boilers installed	124	14,327	63	2,952	126	13,627	56	2,829	



Imports Exports and Consumption

Imports.- The quantity and value of milled products and of grains imported into Canada for consumption during the calendar years 1928 and 1929 are set forth in the summary table following:-

Imports of milled products and grains by quantity and value, 1928 and 1929.

Articles	Unit	1929		1928	
		Quantity	Value	Quantity	Value
Milled Products -					
Wheat flour	bb1.	85,013	\$ 586,257	75,705	\$ 546,392
Buckwheat meal and flour	cwt.	1,164	4,590	855	3,591
Cornmeal	bb1.	47,943	231,061	47,836	240,364
Malt flour	lb.	35,017	2,762	69,297	5,621
Rye flour	bb1.	4,365	21,354	4,226	24,307
Oatmeal and rolled oats	lb.	3,954,372	139,582	744,046	40,722
Barley, pot and pearl	lb.	38,396	5,188	39,326	2,723
Peas, split	lb.	787,653	35,821	697,519	28,803
Hominy, cracked, ground, etc.	-	-	291,509	-	229,856
Rice and cassava flour etc.	lb.	106,362	9,359	125,530	11,178
Sago and tapioca flour	lb.	2,320,398	71,668	2,155,191	64,509
Bran and mill feed	cwt.	28,748	48,041	31,025	47,259
Cereal food in packages	lb.	1,950,356	248,506	1,652,311	216,006
Cereal foods, n.o.p.	-	-	91,751	-	97,279
Semolina	bb1.	2,836	18,703	71	1,200
Total Milled Products	-	-	1,806,362	-	1,559,750
Grains -					
Wheat	bush.	1,792,384	1,817,460	110,931	140,039
Oats	"	3,419,848	1,708,052	3,028,694	1,637,555
Barley	"	15,874	13,024	2,156	2,648
Corn for all purposes	"	15,511,588	14,880,705	13,968,326	13,521,481
Buckwheat	"	21,133	23,189	13,955	13,873
Peas, whole	"	176,262	510,053	42,508	128,968
Rye	"	245,495	249,013	103,300	116,832
Beans	"	220,884	866,010	301,401	924,327
Total Grains	-	-	20,067,506	-	16,435,733

Exports.- The exports of milled products and grains being the produce of Canada, for the calendar years 1928 and 1929 are shown in the following summary table by quantity and value. The export in milled products during 1929 decreased in value by \$11,203,365 and grains exported by \$213,772,110.

Exports of milled products and grains by quantity and value, 1928 and 1929.

Articles	Unit	1929		1928	
		Quantity	Value	Quantity	Value
Milled Products -					
Wheat flour	bb1.	9,573,880	\$ 52,748,909	10,737,266	\$ 63,975,066
Oatmeal and rolled oats	cwt.	451,701	2,686,256	580,569	2,036,121
Bran, shorts and middlings	cwt.	3,118,753	4,210,835	2,701,611	4,132,025
Malt	bush.	41,726	55,659	42,439	52,457
Peas, split	bush.	6,331	18,479	6,711	19,131
Screenings	cwt.	2,051,529	969,519	2,556,731	1,000,314
Cornmeal	bb1.	11,444	55,365	14,671	69,707
Rice, meal and flour	lb.	1,013,641	17,605	6,886	1,052
All other meals	bb1.	2,845	12,761	5,202	22,897
Cereal foods, prepared, all kinds	-	-	2,420,569	-	2,216,552
Total Milled Products	-	-	63,226,957	-	74,430,322
Grains -					
Wheat	bush.	210,945,589	249,347,174	365,428,561	433,767,578
Oats	"	7,681,476	4,960,656	16,036,995	10,335,193
Barley	"	16,987,687	12,197,333	36,773,931	26,584,465
Corn	"	10,057	13,588	23,411	28,155
Rye	"	1,938,324	1,955,649	9,937,581	11,350,170
Buckwheat	"	248,555	224,653	388,371	336,832
Peas, whole	"	51,530	192,702	100,205	296,588
Beans	"	154,062	586,537	146,756	551,375
Total Grains	-	-	269,478,303	-	483,250,413

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