

BULLETIN II. FIFTH CENSUS OF CANADA.

MANUFACTURES OF DAIRY INDUSTRIES FOR THE YEAR 1910 AS ENUMERATED UNDER DATE OF FIRST JUNE, 1911.

PUBLISHED BY AUTHORITY OF HONOURABLE GEORGE E. FOSTER, MINISTER OF TRADE AND COMMERCE.
ARCHIBALD BLUE, CHIEF OFFICER OF THE CENSUS AND STATISTICS OFFICE, DECEMBER 27, 1912.

THE CENSUS OF DAIRY INDUSTRIES.

The census of the Dairy Industries of Canada in this Bulletin was taken in June 1911 for the calendar year 1910. It presents (1) the statistics of factories making butter only, (2) factories making cheese only, (3) factories making butter and cheese, and (4) factories making condensed milk, for provinces and the whole of Canada, in four separate tables.

The first table, which gives the statistics for making butter only, shows that there were 1,035 factories in operation and that the value of buildings and plant was \$3,897,532. The number of engines and motors employed was 1,210 and the indicated horsepower 11,492. The number of patrons of factories was 76,579 and of days in operation 238,280. The quantity of milk converted into butter was 917,903,274 lb., and of cream converted into butter 48,328,974 lb., and the total quantity of butter made from milk and cream was 57,328,191 lb. with a value of \$13,726,546. Patrons were paid as their share of this value \$11,832,705, and the employees of factories were paid for salaries and wages \$690,347.

The second table, which gives the statistics of factories making cheese only, shows that there were 2,154 factories in operation and that the value of buildings and plant was \$3,455,528. The number of engines and motors employed was 1,772 and of horsepower 13,485. The number of patrons of factories was 70,778, and of days in operation 365,372. The quantity of milk converted into cheese was 1,724,132,011 lb. and the quantity of cheese made 162,450,802 lb. with a value of \$17,524,021. The patrons of factories were paid \$15,299,855. The employees of factories were paid for salaries and wages \$739,030.

The third table, which gives statistics of factories making butter and cheese, shows that there were 436 factories in operation and that the value of buildings and plant was \$1,394,498. The number of engines and motors was 472, and of horsepower 4,211. The number of patrons of factories was 22,766, and of days in operation 103,505. The quantity of butter made was 7,690,189 lb. with a value of \$1,870,861 and of cheese 37,453,403 lb. with a value of \$4,063,103. Patrons were paid for butter \$1,625,644, and for cheese \$3,540,566. The aggregate days of service was 198,090, and the earnings of salaries and wages \$272,398.

The fourth table, which gives statistics of factories making condensed milk, shows that there were 11 factories in operation, and that the value of buildings and plant was \$929,649. The number of engines and motors was 18 and of horsepower 607. The number of patrons of this class of factories was 904; and the quantity of milk delivered was 69,264,090 lb. with a value of \$838,912. The quantity of condensed milk made was 27,831,596 lb. and the value as produced was \$1,813,971. Other products of the factory are valued at \$900. The aggregate days of service are reported as 106,772, and the value of salaries and wages as \$170,356.

FIFTH CENSUS OF CANADA 1911.

TABLE I. Factories making Butter only in the calendar year 1910 as shown for Canada and the Provinces by the Census of June 1911.

Schedule for Butter.	Totals for Canada.	Alberta.	British Columbia.	Manitoba.	New Brunswick.
Districts..... NO.	151	7	4	7	5
Factories..... "	1,035	43	8	21	14
Value of buildings..... \$	1,959,983	97,188	32,260	135,187	12,800
Value of plant..... \$	1,937,549	102,898	41,308	67,671	15,700
Engines and motors..... NO.	1,210	46	16	30	15
Horsepower..... "	11,492	469	133	297	136
Patrons..... "	76,579	3,176	790	3,680	930
Days in operation..... "	238,280	8,938	2,892	4,006	2,598
Milk converted into butter..... lb.	917,903,274	2,372,500	5,191,300	858,940	1,169,053
Cream converted into butter..... "	48,328,974	6,096,298	2,902,685	5,748,107	1,876,545
Butter made from milk..... "	41,591,048	104,092	258,086	34,357	55,323
Butter made from cream..... "	15,208,161	1,987,077	948,116	2,010,118	570,151
Value of butter made..... \$	13,726,946	520,415	420,683	510,395	157,909
Paid patrons for butter..... \$	11,832,705	427,717	369,673	409,833	135,811
Persons employed in year..... NO.	2,044	80	32	53	28
Aggregate days service..... "	451,031	16,424	9,682	12,786	5,477
Salaries and wages..... \$	690,347	34,154	20,941	24,470	7,806

Schedule—con.	Nova Scotia.	Ontario.	P. E. Island.	Quebec.	Saskat- chewan.
Districts..... NO.	3	60	3	55	7
Factories..... "	8	120	9	787	25
Value of buildings..... \$	11,200	470,531	11,300	1,130,217	59,300
Value of plant..... \$	8,100	344,971	10,257	1,304,344	42,300
Engines and motors..... NO.	9	162	9	897	26
Horsepower..... "	79	1,865	103	8,127	283
Patrons..... "	568	22,169	917	40,920	3,429
Days in operation..... "	2,139	25,598	1,964	185,015	5,130
Milk converted into butter..... lb.	3,557,592	104,672,095	6,592,479	793,489,315	-
Cream converted into butter..... "	627,588	23,811,120	870,616	1,485,460	4,910,555
Butter made from milk..... "	147,871	4,291,075	294,477	36,405,767	-
Butter made from cream..... "	199,031	7,237,149	261,167	446,656	1,548,696
Value of butter made..... \$	86,511	2,741,689	129,069	8,778,466	381,809
Paid patrons for butter..... \$	74,188	2,336,493	112,269	7,652,881	313,740
Persons employed in year..... NO.	18	319	16	1,453	45
Aggregate days service..... "	3,915	68,221	3,544	321,998	8,984
Salaries and wages..... \$	6,360	128,154	5,367	443,512	19,583

FIFTH CENSUS OF CANADA 1911

TABLE II. Factories making Cheese only in the calendar year 1910 as shown for Canada and the Provinces by the Census of June 1911

Schedule for Cheese.	Totals for Canada.	Alberta.	British Columbia.	Manitoba.	New Brunswick.
Districts.....No.	125	5	-	1	7
Factories....."	2,154	11	-	20	23
Value of buildings.....\$	1,931,267	8,600	-	20,800	11,550
Value of plant.....\$	1,524,261	7,163	-	13,700	8,525
Engines and motors.....No.	1,772	11	-	18	18
Horsepower....."	13,485	81	-	135	147
Patrons....."	70,778	173	-	505	554
Days in operation....."	365,372	1,055	-	2,709	2,885
Milk converted into cheese.....lb.	1,724,132,011	1,855,469	-	6,785,452	8,373,800
Cheese made....."	162,450,802	181,754	-	679,113	844,588
Value of cheese made.....\$	17,524,021	22,066	-	78,718	93,671
Paid patrons for cheese.....\$	15,299,855	17,234	-	65,837	81,613
Persons employed in year.....No.	3,189	12	-	23	28
Aggregate days service....."	531,337	1,101	-	3,331	3,524
Salaries and wages.....\$	739,030	2,389	-	6,390	6,096

Schedule—con.	Nova Scotia.	Ontario.	P. E. Island.	Quebec.	Saskat- chewan.
Districts.....No.	3	55	3	49	2
Factories....."	7	1,007	22	1,062	2
Value of buildings.....\$	2,400	1,229,251	25,300	632,366	1,000
Value of plant.....\$	2,750	936,565	19,050	535,308	1,200
Engines and motors.....No.	2	786	19	916	2
Horsepower....."	15	7,171	194	5,720	22
Patrons....."	226	41,883	1,758	25,658	21
Days in operation....."	803	176,699	2,682	178,289	250
Milk converted into cheese.....lb.	2,334,652	1,257,884,213	16,459,902	430,171,223	267,300
Cheese made....."	218,819	116,160,042	1,578,763	42,760,993	26,730
Value of cheese made.....\$	24,299	12,597,252	169,550	4,535,069	3,396
Paid patrons for cheese.....\$	20,629	11,010,303	150,050	3,951,289	2,900
Persons employed in year.....No.	9	1,826	42	1,247	2
Aggregate days service....."	1,073	311,441	5,071	205,546	250
Salaries and wages.....\$	1,799	450,742	7,818	263,471	325

In the cheese factories of Ontario in 1910 there were made 208,767 lb. of whey butter valued at \$48,438. The figures are not included in the table.

FIFTH CENSUS OF CANADA 1911

TABLE III. Factories making Butter and Cheese in the calendar year 1910 as shown for Canada and the Provinces by the Census of June 1911

Schedule for Butter and Cheese.	Totals for Canada.	Alberta.	British Columbia.	Manitoba.	New Brunswick.
Districts.....No.	71	1	-	1	3
Factories....."	436	2	-	1	5
Value of buildings.....\$	706,658	3,500	-	1,000	8,000
Value of plant.....\$	687,840	2,800	-	1,000	5,200
Engines and motors.....No.	472	2	-	1	5
Horsepower....."	4,211	14	-	12	39
Patrons....."	22,766	94	-	-	331
Days in operation....."	103,505	325	-	313	1,178
Milk converted into butter.....lb.	151,455,757	-	-	-	1,050,098
Cream converted into butter....."	2,768,529	193,165	-	18,000	572,794
Milk converted into cheese....."	398,819,979	119,904	-	156,000	3,277,848
Butter made from milk....."	6,851,499	-	-	-	52,802
Butter made from cream....."	838,690	57,952	-	6,012	54,296
Cheese made....."	37,453,403	11,725	-	15,600	321,655
Value of butter made.....\$	1,870,861	13,007	-	1,577	36,006
Value of cheese made.....\$	4,063,103	1,407	-	2,685	49,220
Paid patrons for butter.....\$	1,625,644	10,820	-	-	31,549
Paid patrons for cheese.....\$	3,540,566	1,144	-	-	4,775
Persons employed in year.....No.	914	4	-	1	13
Aggregate days service....."	198,000	540	-	313	2,971
Salaries and wages.....\$	272,398	1,279	-	300	-

Schedule—con.	Nova Scotia.	Ontario.	P. E. Island.	Quebec.	Saskat- chewan.
Districts.....No.	1	35	3	27	-
Factories....."	1	121	13	293	-
Value of buildings.....\$	1,500	264,225	19,233	400,200	-
Value of plant.....\$	1,000	219,996	26,999	430,845	-
Engines and motors.....No.	1	119	12	332	-
Horsepower....."	4	1,388	100	2,654	-
Patrons....."	40	8,927	1,500	11,874	-
Days in operation....."	230	29,542	2,699	69,218	-
Milk converted into butter.....lb.	173,507	40,164,105	2,450,845	107,617,202	-
Cream converted into butter....."	-	1,946,479	22,091	16,000	-
Milk converted into cheese....."	439,000	219,145,009	17,893,249	157,788,969	-
Butter made from milk....."	7,833	1,756,720	108,639	4,925,455	-
Butter made from cream....."	-	591,944	6,625	4,800	-
Cheese made....."	45,424	19,933,909	1,714,992	15,410,098	-
Value of butter made.....\$	1,970	589,336	27,409	1,183,266	-
Value of cheese made.....\$	5,678	2,172,314	184,828	1,660,185	-
Paid patrons for butter.....\$	1,500	519,080	23,513	1,021,511	-
Paid patrons for cheese.....\$	4,800	1,873,649	163,599	1,465,825	-
Persons employed in year.....No.	1	305	35	555	-
Aggregate days service....."	230	70,876	6,141	117,019	-
Salaries and wages.....\$	515	102,202	9,511	153,816	-

FIFTH CENSUS OF CANADA 1911

TABLE IV. Factories making Condensed Milk in the calendar year 1910 as shown for Canada and the Provinces by the Census of June 1911

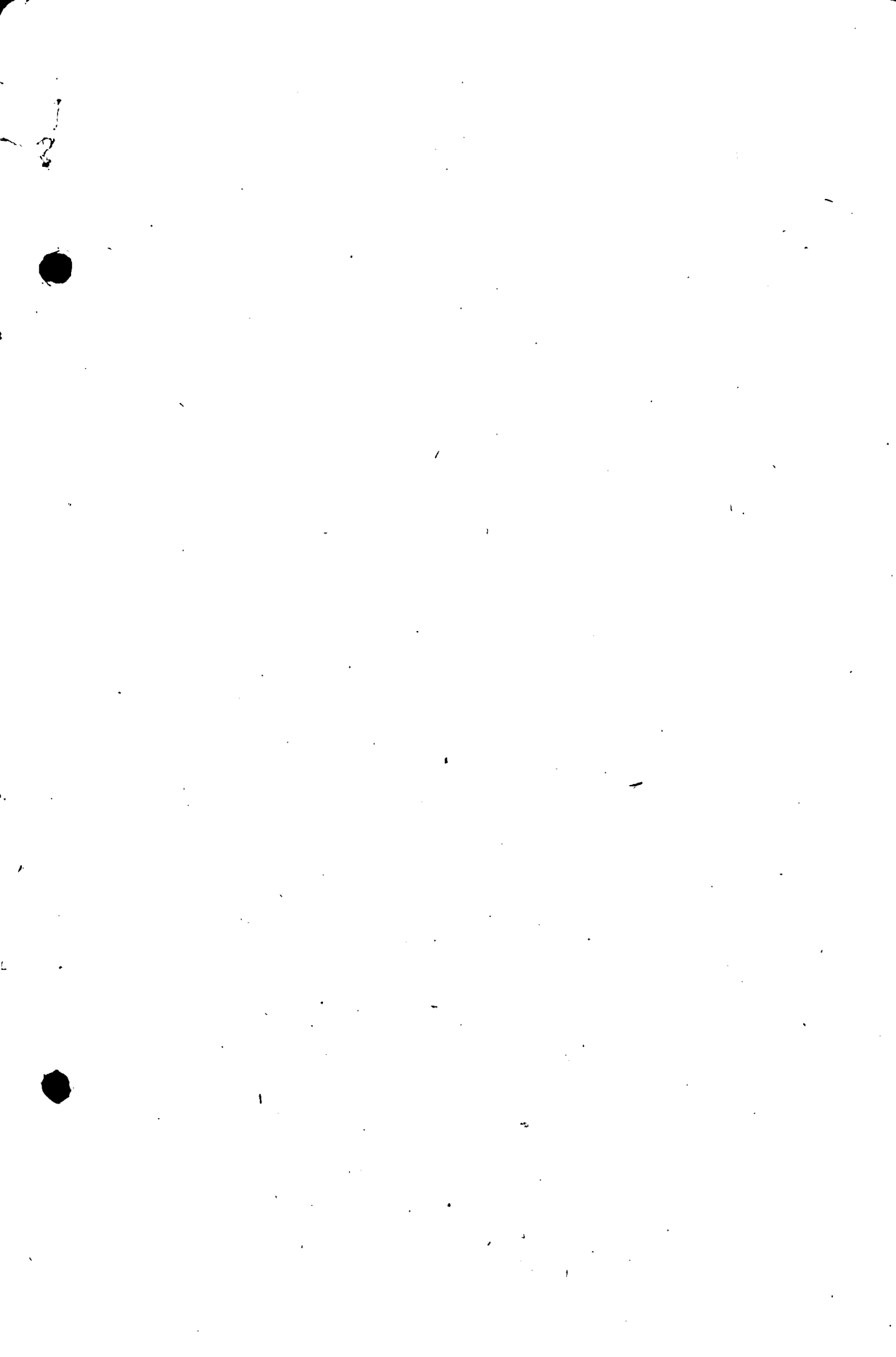
Schedule for Condensed Milk.	Totals for Canada.	British Columbia	Nova Scotia.	Ontario.	P. E. Island.	Quebec.
Districts.....NO.	9	1	2	4	1	1
Factories....."	11	1	2	6	1	1
Value of buildings..... \$	385,071	40,000	25,000	195,465	9,000	114,000
Value of plant..... \$	544,578	10,000	50,800	405,384	30,000	50,000
Engines and motors.....NO.	18	1	3	10	1	3
Horsepower....."	607	12	92	363	35	105
Patrons....."	904	40	20	695	63	86
Days in operation....."	3,119	156	622	1,715	313	313
Milk delivered at factory..... lb.	69,264,090	2,500,000	4,129,344	54,562,066	2,084,124	5,988,556
Condensed milk made....."	27,831,596	1,000,000	2,020,200	21,552,780	794,070	2,464,546
Value of milk delivered at fac- tory..... \$	838,912	27,500	47,440	662,795	31,262	69,915
Value of condensed milk..... \$	1,813,971	44,326	133,956	1,335,689	50,000	250,000
Value of other products..... \$	900	-	-	-	900	-
Persons employed in year.....NO.	356	14	34	237	21	50
Aggregate days service....."	106,772	2,184	10,543	71,822	6,573	15,650
Salaries and wages..... \$	170,356	5,836	21,800	119,399	7,000	16,321

COMPARATIVE STATEMENT FOR 1900 AND 1911.

The following statement gives the quantity and selling value of butter and cheese made in Canada and the several provinces for the years 1900 and 1910 and the average price per pound, viz.:

Provinces	1900		1910	
	lb.	value	lb.	value.
Butter.				
Canada.....	36,066,739	7,240,972	64,698,165	15,645,845
Alberta.....	406,120	82,630	2,149,121	533,422
British Columbia.....	395,808	105,690	1,206,202	420,683
Manitoba.....	1,557,010	292,247	2,050,487	511,972
New Brunswick.....	287,814	58,589	849,633	212,205
Nova Scotia.....	334,211	68,686	354,785	85,481
Ontario.....	7,559,542	1,527,935	14,085,655	3,379,063
Prince Edward Island.....	562,220	118,402	670,908	156,478
Quebec.....	24,625,000	4,916,756	41,782,678	9,961,732
Saskatchewan.....	339,014	70,037	1,548,696	381,809
		cents		cents
Selling price per lb.....		20.0766		24.1828
Cheese.				
Canada.....	220,833,269	22,221,430	199,904,205	21,587,124
Alberta.....	27,693	3,970	193,479	23,473
British Columbia.....	-	-	-	-
Manitoba.....	1,289,413	124,025	694,713	81,403
New Brunswick.....	1,892,686	187,106	1,166,243	129,677
Nova Scotia.....	568,147	58,321	264,243	29,977
Ontario.....	131,967,612	13,440,987	136,093,951	14,769,566
Prince Edward Island.....	4,457,519	449,400	3,293,755	354,378
Quebec.....	80,630,199	7,957,621	58,171,091	6,195,254
Saskatchewan.....	-	-	26,730	3,396
		cents		cents
Selling price per lb.....		10.0625		10.7987

The selling value of condensed milk in 1900 was \$269,520 and in 1910 \$1,814,871. The total value of butter, cheese and condensed milk in 1900 was \$29,731,922 and in 1910 \$39,047,840, which is an increase in the decade of 31.33 per cent.



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