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Dominion Statistician: R. H. Coats, LL.D., F.R.S.C., F.S.S. (Hon.)
Chief, Fisheries and Animal Products Branch: F. A. Brown

PRODUCTION OF CONCENTRATED MILK, CANADA, NOVEMBER, 1940.

Statistics of the production of concentrated milk in Canada in November, 1940, are based on returns from the 58 firms whose factories manufactured during the month any of the various items embraced in the classification of "concentrated milk", i.e., condensed whole milk and condensed skim milk, evaporated whole milk and evaporated skim milk, whole milk powder and skim milk powder, etc.

Production. - The quantity of concentrated milk manufactured in November amounted to 11,874,242 pounds, a decrease from the preceding month of 2,999,171 pounds, or 20 per cent, and a decrease from November, 1939, of 202,515 pounds, or 2 per cent. The total manufacture comprises 9,800,863 pounds classified as concentrated whole milk products, and 2,073,379 pounds as by-products.

Cumulative Production. - For the 11 months ended November 30, production amounted to 183,097,654 pounds, compared with 155,289,825 pounds in the corresponding period of 1939.

Foreign trade. - The exports of concentrated milk products in November totalled 6,089,600 pounds, an increase over the preceding month of 1,375,600 pounds, or 21 per cent and an increase over November, 1939, of 1,631,900 pounds, or 37 per cent. Import statistics are not available at date of the preparation of this report.

Stocks. - Storage holdings of concentrated milk at date of December 1 totalled 25,248,431 pounds, compared with 34,330,140 pounds at November 1 and 14,131,467 pounds at December 1, 1939.

1. Concentrated Milk Production for November, 1940, with Comparative Statistics for October 1940 and November 1939.

Kind	November, 1940	October, 1940	November, 1939
	Lb	Lb	Lb
<u>Concentrated Whole Milk Products</u>			
Condensed whole milk (sweetened):			
Case goods	1,146,474	1,459,650	148,123
Bulk goods	270,351	479,361	355,498
Evaporated whole milk (unsweetened):			
Case goods	7,977,654	9,480,657	9,010,013
Bulk goods	24,031	56,775	45,010
Whole milk powder:			
Spray process	235,894	28,992	341,983
Roller process	126,459	217,987	150,863
Cream powder:	-	2,183	-
TOTAL	9,800,863	11,725,605	10,051,490
<u>Concentrated Milk By-Products</u>			
Condensed skim milk	433,932	459,667	280,165
Evaporated skim milk	52,393	92,515	54,248
Skim milk powder:			
Spray process	681,861	1,467,561	843,587
Roller process	473,233	642,260	473,008
Sugar of milk	10,840	16,160	20,856
Buttermilk powder	219,425	333,361	183,179
Condensed buttermilk	164,646	99,580	114,409
Casein	37,049	36,704	55,815
TOTAL	2,073,379	3,147,808	2,025,267

1898

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DEPARTMENT OF CHEMISTRY
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CHICAGO, ILL.

REPORT ON THE RESEARCHES OF
THE UNIVERSITY OF CHICAGO
DEPARTMENT OF CHEMISTRY
LABORATORY OF PHYSICAL CHEMISTRY
CHICAGO, ILL.

BY
JAMES H. SEALE

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2. Cumulative Production of Concentrated Milk for the Eleven Months Ended November 30, 1940, with Comparative Statistics for the Eleven Months Ended November 30, 1939.

Kind	Eleven Months Ended November 30,	
	1940 Lb.	1939 Lb.
<u>Concentrated Whole Milk Products</u>		
Condensed whole milk (Sweetened):		
Case goods	8,981,838	3,821,625
Bulk goods	4,132,497	3,505,242
Evaporated whole milk (unsweetened):		
Case goods	126,264,500	107,848,173
Bulk goods	641,543	447,460
Whole milk powder:		
Spray process	4,704,035	5,160,112
Roller process	1,607,376	1,735,738
Cream powder	14,236	6,596
Total	146,346,025	122,524,946
<u>Concentrated Milk By-Products</u>		
Condensed skim milk	4,028,485	2,789,627
Evaporated skim milk	818,235	917,626
Skim milk powder:		
Spray process	15,840,297	13,956,619
Roller process	9,301,932	8,248,518
Sugar of milk	238,273	263,207
Buttermilk powder	3,990,071	3,706,932
Condensed buttermilk	1,449,942	1,297,853
Casein	1,084,394	1,584,497
Total	36,751,629	32,764,879

3. Imports and Exports of Concentrated Milk Products, November, 1940, with Comparative Statistics for October, 1940, and November, 1939. (a)

Kind	Quantity imported			Quantity exported		
	November 1940	October 1940	November 1939	November 1940	October 1940	November 1939
	Lb.	Lb.	Lb.	Lb.	Lb.	Lb.
Condensed milk	(b)	466	-	692,400	1,355,700	107,100
Evaporated milk ...	-	-	-	5,018,600	3,068,200	3,707,800
Whole milk powder .	(b)	5,288	3,346	219,600	227,100	580,800
Skim milk powder ..	(b)	-	-	159,000	63,000	62,000
Casein	(b)	73,944	85,108	-	-	-
Total.....	(b)	79,698	88,454	6,089,600	4,714,000	4,457,700

4. Stocks (c) of Concentrated Milk in Cold Storages, Warehouses, and Dairy Factories December 1st, 1940, with Comparative Statistics for November 1, 1940 and December 1, 1939.

Kind	December 1, 1940	November 1, 1940	December 1, 1939
	Lb.	Lb.	Lb.
<u>Concentrated Whole Milk Products</u>			
Condensed whole milk	1,161,732	1,057,825	537,283
Evaporated whole milk	18,503,571	26,489,657	8,796,658
Whole milk powder:			
Spray process	974,226	1,195,386	372,996
Roller process	121,662	210,465	65,116
Cream powder	-	-	3,876
Total	20,761,191	28,953,333	9,775,929
<u>Concentrated Milk By-Products</u>			
Condensed skim milk	126,488	138,085	124,266
Evaporated skim milk			1,530
Skim milk powder:			
Spray process	2,404,562	2,819,936	1,887,923
Roller process in bags	364,005	598,995	571,930
" " " bbl.	621,151	798,838	913,386
Buttermilk powder	589,651	610,476	579,278
Casein	382,383	410,477	277,225
Total	4,487,240	5,376,807	4,355,538

(a) External Trade Report - "Imports and Exports of Milk and Its Products and Eggs".

(b) Not yet available.

(c) Owned and held by and/or for manufacturers.

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