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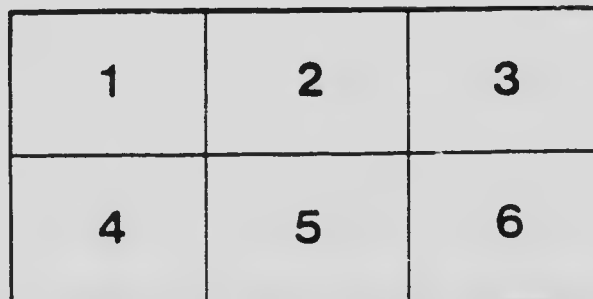
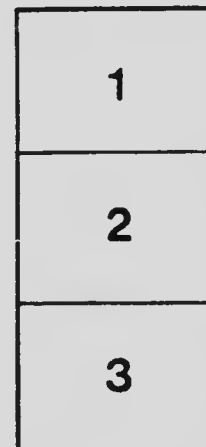
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LABORATORY
OF THE
INLAND REVENUE DEPARTMENT

OTTAWA, CANADA.

BULLETIN No. 247

CHEESE

LABORATORY
OF THE
INLAND REVENUE DEPARTMENT
OTTAWA, CANADA.

BULLETIN No. 247

CHEESE

OTTAWA, January 9, 1913.

Wm. HIMSWORTH, Esq.,
Acting Deputy Minister, Inland Revenue.

SIR,—I beg to hand you a report dealing with 141 samples of cheese, purchased throughout Canada during the month of September and October, 1912.

The last inspection of Cheese was made in October, 1908; and is reported in Bulletin No. 171 of this laboratory. In this Bulletin a recommendation for the standardization of Canadian Cheese was made, and the inspection then reported was held to justify as follows:—

Water limit—30%.

Fat (on dry substance) not less than 48%.

The samples submitted to analysis on that occasion had been wrapped in double paraffined paper, in order to prevent loss of water in the interval between their collection, and their examination here. This interval was between two and three months, and although the samples were meantime kept in cold storage, it was recognized that some loss of moisture must have taken place. In the variously suggested standards for Cheese in other countries no mention is made of water content; and my attention was later (March 1909) drawn to the fact that the water content of cheese is largely dependent upon the age of the article, the ordinary shrinkage of an 80 lb. cheese being from 2 to 3 pounds in the first month of ripening, and about one pound per month afterwards. (Letter from the Dairy and Cold Storage Commissioner, 29 March 1909).

In the present case an attempt has been made to learn the age of the cheese; and samples were enclosed in sealed bottles to prevent loss of moisture during shipment, and in storage. The results of analysis are therefore a better guide

to the actual amount of moisture in market cheese, and particularly interesting when put into comparison with the table given on page 2 of Bulletin 171.

Inspection District.	No. of sample.	Percentage of water.		Mean.
		Maximum.	Minimum.	
Nova Scotia.....	10	34.10	28.80	32.16
Prince Edward Island...	10	33.80	22.50	30.18
New Brunswick	10	36.38	30.20	32.53
Quebec..	10	34.94	25.34	30.57
St. Hyacinthe	10	35.78	28.70	31.49
Montreal	10	37.62	26.28	31.28
Ottawa	11	36.76	25.46	31.74
Kingston	10	35.44	25.60	31.13
Toronto	10	32.00	22.94	28.70
Windsor.....	10	32.66	27.24	29.97
Manitoba.....	10	37.16	25.20	30.05
Nelson.....	10	35.52	27.20	32.34
Vancouver.....	10	32.76	26.80	30.08
Victoria.....	10	34.70	23.24	30.53
Total	141			Mean 30.90

In view of these results, it is apparent that a somewhat wider limit for water than that suggested in Bulletin 171 may be justified, and it is possible that this might be set at 35%. The mean found for 141 samples now reported is 30.90%. For 237 samples of Bulletin 171, it was found to be 27.00%.

The fat, expressed as a percentage on the dry substance, is found to be as follows:—

Fat below 45%.....	None.
“ from 45 to 46%.....	12 samples.
“ “ 46 “ 47%.....	27 “
“ “ 47 “ 48%.....	28 “
“ “ 48 “ 49%.....	18 “
“ “ 49 “ 50%.....	13 “
“ above 50%.....	43 “
Total.....	141

It thus appears that 74 samples, or more than fifty per cent of the collection, contain about 48 per cent of fat, calculated upon the dry substance of the cheese; while 102 samples, or over 70 per cent of the collection, contain above 47 per cent of fat. None of the samples in this collection contained less than 45 per cent of fat.

That a standard for fat in cheese should be established in the interest of both domestic and export trade, will readily be conceded. Of course the manufacture of whole milk cheese from normal milk, involves such periodic variation in the character of the cheese as corresponds to the variation found in milk itself, for the different seasons of the year. From this point of view it may be proper to consider a varying percentage of fat for cheese made at different periods of the year.

The data furnished herein, together with that found in Bulletin No. 171, may enable us to arrive at some desirable decision in this regard.

I beg to recommend the publication of this report as Bulletin No. 247.

I have the honour, to be, Sir,
Your obedient servant,
A. MCGILL,
Chief Analyst.

Date of Collection.	Nature of Sample.	No. of Sample.	Name and Address of Vendor.	Cost.		Name and Address of Manufacturer or Furnisher as given by the Vendor.		Inspector's Report. (Is not an expression of opinion.)
				Quantity.	Cents.	Manufacturer.	Furnisher.	

DISTRICT OF NOVA SCOTIA—

1912

Oct.	3	Cheese....	47117 Colebesters Co. 3 lbs. 74	Unknown.	Black & Co. Truro, N.S.	No wax on rind.
"	4	"	47118 Smith Proctor 2 1/2 " 50	Halzewood Factory, P.E.I.		2 months old, no wax on rind.
"	4	"	47119 Rooney & Lo-2 1/2 " 45	Unknown.	Purchased through a jobber.	P.E.I. cheese 3 months old, no wax.
"	5	"	47120 B.E. Wight, Lunenburg, N.S. 2 1/2 " 45	"	Jno. Tobin & Co Halifax, N.S.	Age not stated, no wax.
"	5	"	47121 J. S. Berringer, Lunenburg, N.S. 2 1/2 " 40	"	Wentzells, Ltd. Halifax, N.S.	Age not stated, no wax.
"	7	"	47122 P. T. Shea, Halifax, N.S. 2 1/2 " 50	Clover Hill, N. B. Cheese Factory.	Mr.	Said to be July cheese, no wax
"	7	"	47123 J. D. Stewart, Halifax, N.S. 2 1/2 " 40	Unknown.	Jno. Tobin & Co Halifax, N.S.	About 2 months old, no wax. Said to be
"	7	"	47124 Jas. Hogan, Halifax, N.S. 2 1/2 " 45	"	Nickerson & Hart.	F.I.E. cheese. & 3 months old, no wax. Sold as
"	8	"	47125 S. Thomson, Dartmouth, N.S. 2 1/2 " 45	F. W. Fearman Hamilton, Ont	Mr.	P.E.I. cheese. 4 months old, no wax.
"	8	"	47126 G. A. Orman, Dartmouth, N.S. 2 1/2 " 45	Unknown.	Unknown.	Sold as Kings Co N.S. cheese, 2 ms. old, no wax.

DISTRICT OF PRINCE EDWARD ISLAND—

Sept.	6	Cheese	46217 R. J. Maddigan & Co ChTown P.E.I. 3 lbs 54		Carbell Bros., ChTown, P.E.I.	This season's make not covered with Paraffin or wax.
"	6	"	46218 Grant & Co, Ch. Town P. E.I. 3 " 54		A. J. Biffin, Ch-Town P.E.I.	" "
"	7	"	46219 A. Gates & Co., ChTown, P. E.I. 3 " 54		Dillon & Spiller Ch Town, P. E.I.	" "
"	14	"	46220 Coffin & Co. Ch-Town, P.E.I. 3 " 54	Unknown.		" "
"	17	"	46221 George Forbes, Vernon River Bridge P.E.I. 3 " 48	Vernon River P.E.I.		" "
"	21	"	46222 Sanderson & Co. ChTown, P. E.I. 3 " 54	Unknown.		" "
Oct.	1	"	46223 Bruce McKay & Summerside, P.E.I. 3 " 51	Lot 16 Cheese Factory P.E.I.		" "
"	1	"	46224 Sinclair & Stewart, Summerside, P.E.I. 3 " 55	Egmont Bay F. P.E.I.		" "
"	3	"	46225 A. Currie & Co., Souris, P.E.I. 3 " 60	Souris Cheese F. P.E.I.		" "
"	3	"	46226 J. J. Hughes, Souris P.E.I. 3 " 54	Souris Dairying Co Souris, P. E.I.		" "

CHEESE

RESULTS OF ANALYSIS.

Water.	Fat.	Total Ash.	Salt in Ash.	Curd by Difference.	Fat on dry Substance	No. of Sample.	Remarks, and Opinion of the Chief Analyst.
R. J. WAUGH, INSPECTOR.							
p.c.	p.c.	p.c.	p.c.	p.c.	p.c.		
31.70	32.40	3.30	1.12	32.30	47.43	47117	
31.86	33.00	3.80	1.22	31.34	48.43	47118	
33.36	33.00	3.32	1.09	30.32	49.52	47119	
34.10	31.20	3.40	0.59	31.30	47.34	47120	
33.98	31.20	3.44	0.86	31.48	47.25	47121	
28.80	37.20	3.72	1.15	30.28	52.24	47122	
33.86	32.40	3.14	1.32	30.60	48.98	47123	
31.20	34.20	2.74	0.99	31.86	49.69	47124	
32.60	33.00	3.80	1.48	30.60	48.94	47125	
30.22	30.00	3.66	1.18	30.12		47126	
WM. A. WEEKS, INSPECTOR.							
30.34	36.00	2.92	0.66	30.74	51.68	47127	
27.90	34.20	3.38	0.82	34.52	47.43		
31.80	33.60	3.96	1.18	30.64	49.26		
27.74	34.20	3.60	1.09	34.46	47.33		
33.80	33.00	3.46	1.21	29.74	49.84		
30.80	33.00	4.20	1.32	32.00	47.39	46220	
30.60	36.00	3.76	1.15	29.64	51.87	46223	
33.80	30.00	3.60	0.69	32.60	45.32	46224	
22.50	36.00	4.28	1.25	37.22	46.45	46225	
32.54	31.20	3.30	1.09	32.96	46.24	46226	

Date of Collection.	Nature of Sample.	No. of Sample.	Name and Address of Vendor.	Cost.		Name and Address of Manufacturer or Furnisher as given by the Vendor		Inspector's Report. (Is not an expression of opinion.)
				Quantity.	Cents.	Manufacturer.	Furnisher.	

DISTRICT OF NEW BRUNSWICK

1912								
Sept.	9	Cheese...	45690 Vanwart Bros., St. John, N.B.	3 lbs.	60		Northrup & Co., King's Co., N.B. St. John, N.B.	heese.
"	10	"	45691 McPherson Bros., St. John, N.B.	3 "	72	F. W. Fearinan Co. Ltd., Hamilton, Ont.		o, 1912
"	11	"	45692 Walter Gilbert, St. John, N.B.	3 "	48	McLaren Imperial Cheese Co. Toronto.		Paraffin waxed June Cheese.
"	11	"	45693 H. S. Francis, St. John, N.B.	3 "	60		G. E. Barbour Albert Co., N.B. Co., Ltd., St. John, N.B.	Cheese. Unwaxed Twin Cheese No. 27233.
"	14	"	45694 H. L. Alexander, St. John, N.B.	3 "	60		G. S. DeForest & Sons, St. John, N.B.	Twin Cheese, unwaxed No. 76. N.B. Cheese.
"	19	"	45695 Estate of J. Fred Shaw, St. John, N.B.	3 "	52		H.W. Cole, Ltd., St. John, N.B.	Twin Cheese, unwaxed.
Oct.	3	"	45696 G. T. Whippley Estate, Fredericton, N.B.	3 "	54		H.W. Cole, Ltd., St. John, N.B.	Unwaxed P.E.I. Cheese.
"	4	"	45697 Yerna Grocery Co., Woodstock, N.B.	3 "	54		A. F. Randolph & Son, Fredericton, N.B.	June Cheese Twin Cheese Unwaxed.
"	15	"	45698 Mills Eveliegh, Ltd., Sussex, N.B.	3 "	54	Mount Middleton Factory, Kings Co., N.B.		Twin Cheese, unwaxed.
"	16	"	45699 The 2 Barkers, Ltd., Moncton, N.B.	3 "	54	Thos. G. Perry, Lower Ridge, N.B.		"

DISTRICT OF QUEBEC—

Sept.	3	Cheese...	37462 Eudore Delisle, 2 Ave. Tachereau, Quebec.	2 lbs.	40	Unknown.	Octave Jacques, Quebec.	Age unknown.
"	4	"	37463 O. Lacroix, 19 rue St. Joseph, Quebec.	2 "	44	McLaren's Imperial Cheese Co., Toronto.		Spring Cheese
"	5	"	37464 W. Cantin, 133 rue du Pont, Quebec.	2 "	40		Dom. Fish & F. Co.	Age unknown.
"	6	"	37465 G. Gingras, 268 rue du Roi, Quebec.	2 "	40	Unknown.	Emond & Cote.	Spring Cheese.
"	9	"	37466 Cantin & Frere, 271 rue St. Joseph, Quebec.	2 "	30		J. B. Reneaud & Cie.	Age unknown.
"	10	"	37167 C. S. Riverin, 50 rue de la Couronne, Quebec.	2 "	40	Gagne L'Ance, St. Jean Chicoutimi.	Philbert Beaucher.	Made in Aug., 1912.

CHEESE.

RESULTS OF ANALYSIS.						No. of Sample.	Remarks, and Opinion of the Chief Analyst.
Water.	Fat.	Total Ash.	Salt in Ash.	Curd by Difference.	Fat on dry Substance		

J. C. FERGUSON INSPECTOR.

p.c.	p.c.	p.c.	p.c.	p.c.	p.c.	
31.10	35.00	3.20	0.82	32.10	48.60	45690
30.20	31.80	2.40	0.63	35.60	45.56	45691
30.50	31.80	3.26	0.76	34.44	45.75	45692
33.86	32.40	3.94	1.05	29.80	48.80	45693
32.80	35.40	2.60	0.60	29.20	52.67	45694
32.00	36.00	3.30	0.78	28.70	52.74	45695
32.08	33.60	3.42	0.72	30.00	49.40	45696
34.20	31.60	3.96	1.18	30.24	48.02	45697
36.38	31.80	3.80	1.12	28.02	46.62	45698
32.20	33.60	3.60	0.98	30.60	49.55	45699

F. X. W. E. BELAND, INSPECTOR.

28.22	37.20	3.06	0.92	31.52	51.82	37462
31.70	34.80	3.94	0.89	29.56	50.95	37463
25.34	37.20	3.86	0.72	33.60	49.87	37464
29.50	33.00	3.80	1.02	33.70	46.80	37465
28.82	37.20	2.90	0.60	31.08	52.26	37466
34.94	33.60	2.74	0.66	28.72	51.64	37467

Date of Collection.	Nature of Sample.	No. of Sample.	Name and Address of Vendor.	Cost.		Name and Address of Manufacturer or Furnisher as given by the Vendor.		Inspector's Report. (Is not an expression of opinion.)
				Quantity.	Cents.	Manufacturer.	Furnisher.	

DISTRICT OF QUEBEC—

1912.								
Sept. 11	Cheese	37468	Myrand & Pouliot, 70 rue de la Couronne, Quebec.	2 lbs.	38	Unknown	J. B. Reneaud & Cie.	Age Unknown
" 12	"	37469	Arthur Drolet, 714 rue St. Valier, Quebec.	2 "	49	"	Dom. Fish & Fruit Co.	"
" 13	"	37470	Arthur Rinfret, 614 rue St. Joseph, Quebec.	2 "	39	"	O. Jacques	"
" 16	"	37471	Hamel & Bedard, 728 rue St. Valier, Quebec.	2 "	40	Jos. Boucher, St. Hyacinthe.	Manufacturer	Made in June, 1912.

DISTRICT OF ST. HYACINTHE—

Sept. 18	Cheese	1401	Geo. Beaulac, Sorel.	1 lb	32	Mr. Choquette, Mont. John-son.	P. C. Lemoine, Sorel.	
" 17	"	1402	Schooner & Cie, Pierreville.	2 1/2 "	40		Laporte, Martin & Cie, Montreal.	
" 24	"	1403	H. Claprod, St. Jean.	1 1/2 "	35	Thos. Barriere, St. Gregoire.		
" 25	"	1404	Art. Maclean, Bedford.	1 1/2 "	37		Forbes Bros., Montreal.	
" 26	"	1405	O. C. Selby, Dunham.	2 "	36	J. Strong, West Sutton.		
Oct. 1	"	1406	L. H. Olivier, Sherbrooke.	1 1/2 "	37	L. A. Corriveau, Magog.		
" 2	"	1407	E. Huard & Cie, Megantic.	2 "	36		L. Chaput fils & Cie, Montreal.	
" 3	"	1408	Curin & Boulay, Coaticook.	2 1/2 "	38			
" 8	"	1409	J. A. Moquin, Eastman.	2 "	36	Unknown	Unknown	
" 14	"	1410	Thos. Hebert, St. Hyacinthe	2 1/2 "	50		Gunn, Langlois & Cie.	

DISTRICT OF MONTREAL—

Sept. 25	Cheese	50921	M. Kilkerly, 208 M. R. Ave. E., Montreal.	2 lbs.	40		Gunn, Langlois Paraffin Coated & Co.	
" 25	"	50922	L. J. Pharneuf, 541 M. R. Ave E., Montreal.	2 1/2 "	45	Unknown	Unknown	
" 25	"	50923	E. St. Germain et Cie, 591 M. R. Ave. E., Montreal.	2 "	40			
" 26	"	50924	A. Deslieres, 1130 A, Andre St., Montreal.	2 "	40		Whyte Packing Co.	Paraffin Coated.

CHEESE.

RESULTS OF ANALYSIS.						No. of Sample.	Remarks, and opinion of the Chief Analyst.
Water.	Fat.	Total Ash.	Salt in Ash.	Curd by Difference.	Fat on dry Substance		

Concluded.

p.c.	p.c.	p.c.	p.c.	p.c.	p.c.	
32.70	36.00	3.30	0.95	28.00	53.49	37468
32.14	32.40	3.56	0.98	31.90	47.74	37469
31.80	33.00	3.12	1.15	32.08	48.39	37470
30.52	37.80	3.08	0.66	28.60	54.40	37471

J. C. ROULEAU, INSPECTOR.

28.70	37.20	2.70	0.40	31.40	52.17	1401
35.78	30.00	3.40	0.99	30.82	46.56	1402
30.20	33.60	3.30	0.92	32.90	48.13	1403
31.08	36.00	3.30	0.82	29.62	52.23	1404
34.28	30.60	3.38	0.99	31.74	46.40	1405
31.10	36.00	2.90	0.72	30.00	52.10	1406
30.10	32.40	3.78	1.28	33.72	52.34	1407
29.60	33.60	3.20	1.05	33.60	47.72	1408
32.36	35.40	3.50	1.32	28.74	52.33	1409
31.72	36.00	3.76	0.99	28.52	52.72	1410

J. J. COSTIGAN, INSPECTOR.

29.98	32.40	3.46	0.86	34.16	46.24	50921
28.42	33.60	3.86	1.25	34.12	46.94	50922
29.64	36.06	3.60	1.35	30.76	51.02	50923
32.90	1.20	3.70	1.12	32.20	46.50	50924

Date of Collection.	Nature of Sample.	No. of Sample.	Name and Address of Vendor.	Cost.		Name and Address of Manufacturer or Furnisher as given by the Vendor.		Inspector's Report. (Is not an expression of opinion.)
				Quantity.	Cents.	Manufacturer.	Furnisher.	

DISTRICT OF MONTREAL—

1912.								
Sept. 26	Cheese	50925	S. Lalonde et fils, 578 Marie Ann E., Montreal.	2 lbs. 3 oz.	43		W. Champagne, Montreal.	
" 26	"	50926	P. Brunet Cie, 699 M. R. Ave. E., Montreal.	2 lbs.	40		Z. Limoges, Montreal.	
" 26	"	50927	H. Longtin, 347 Boyer St., Montreal.	2 "	38	Unknown	Unknown	Paraffin Coated.
" 26	"	50928	Swift's Store, Fairmount Ave., Montreal.	2 "	46		Whyte Packing Co.	
" 26	"	50929	D. Hamilton, Fairmount Ave., Montreal.	2 "	38		Z. Limoges, Montreal.	
" 26	"	50930	"	2 "	48		"	

DISTRICT OF OTTAWA—

Aug. 31	Cheese	50202	C. A. Farmer Son, Perth Ont	3 lbs.	60	3rd line, Bathurst, Factory		Labelled M. 14 on Box, not coated with paraffin.
Sept. 4	"	50203	A. S. Moreland, Ottawa.	"	"			Made in June at Bourget, Ont.
" 6	"	50204	F. H. Clifford, Brockville.	"	"	Strong & Clark.	Derbyshire, Brockville.	Roseville Brand coated with paraffin.
" "	"	50205	J. Culbert, Brockville.	"	"	Geo. Carr, Fairfield.	Mfr.	Made in June, not coated.
" 7	"	50206	Jas. H. Bradley, Prescott.	"	"	57 Jno. Tretwell, Grenville Factory.		Made in August, not coated.
" 16	"	50207	E.M. Lerner Son, Ottawa.	4 1/2 "	71	J. Campbell, Ormond.		" "
" 16	"	50208	J. Moynour, Ltd, Ottawa.	2 1/2 "	38	C. St. Onge, Embrun.		" "
" 16	"	50209	Matthews, Ltd By Ward Mark, Ottawa.	2 1/2 "	45	Unknown		Made Sept., 1911 at Jockvale, Ont.
" 16	"	50210	J. Freedman, Ottawa.	4 1/2 "	73	Fairview Factory, West Templeton.		Made in August.
" 18	"	50211	R. Harrison, Merrickville.	2 "	35	Rideau Valley.		Made in July.
" 20	"	51626	McDonald Bros, Gladstone Av Ottawa.	3 3/8		G. H. Taylor, Dalmeny, Ont		"Gordon Model Factory—made in August.

CHEESE.

RESULTS OF ANALYSIS.

Water.	Fat.	Total Ash.	Salt in Ash.	Curd by Difference.	Fat on dry Substance	No. of Sample.	Remarks, and Opinion of the Chief Analyst.
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Concluded.

p.c.	p.c.	p.c.	p.c.	p.c.	p.c.	
31.88	33.60	3.60	1.02	30.92	49.32	50925
31.90	34.80	3.14	0.92	30.16	50.50	50926
31.12	33.00	3.24	0.63	32.64	47.89	50927
26.28	34.80	3.72	0.92	35.20	47.20	50928
37.62	30.00	2.74	1.02	29.64	48.00	50929
32.82	31.80	2.04	0.66	32.44	47.48	50930

J. A. RICKEY, INSPECTOR.

32.14	35.40	3.74	1.08	28.72	52.16	50202
32.26	32.40	3.84	1.18	31.40	47.90	50203
36.76	30.20	3.46	0.85	29.58	47.75	50204
32.80	31.80	3.62	1.08	31.78	47.32	50205
35.14	29.40	3.48	0.95	31.98	45.33	50206
32.12	31.80	3.48	0.85	32.60	40.85	50207
32.40	32.40	3.00	0.69	32.20	47.92	50208
28.74	37.20	3.36	0.82	30.70	52.20	50209
25.46	36.00	3.06	1.25	34.88	48.29	50210
32.88	30.60	3.58	1.15	32.94	45.58	50211
28.48	33.00	4.08	1.61	34.44	46.14	51626

Date of Collection.	Nature of Sample.	No. of Sample.	Name and Address of Vendor.	Cost.		Name and Address of Manufacturer or Furnisher as given by the Vendor.		Inspector's Report. (Is not an expression of opinion.)
				Quantity.	Cents.	Manufacturer.	Furnisher.	

DISTRICT OF KINGSTON--

1912.								
Sept. 3	Cheese....	50701	Wm. Davies, Kingston.	3 lbs.	54	J. Gibsor, Kingston.	Made in May.	
" 3	"	50702	J. Gilbert, Kingston.	2 1/2 "	50	A. E. Bradshaw Harrowsmith.		
" 3	"	50703	J. E. Purdy, Kingston.	2 "	40	A. McLean, Kingston.		
" 3	"	50704	J. Campbell, Kingston.	2 1/2 "	50	J. Y. Parkhill, Kingston.		
" 3	"	50705	J. A. Percy, Kingston.	2 1/2 "	50	J. Y. Parkhill, Kingston.		
" 3	"	50706	W. J. Arnill, Kingston.	2 "	36	A. Maclean, Kingston.		
" 4	"	50707	W. E. Hopkinson, Kingston.	2 1/2 "	45	Unknown		
" 4	"	50708	H. M. Stover, Kingston.	2 "	36	J. Y. Parkhill, Kingston.		
" 4	"	50709	W. J. Lee, Kingston.	2 "	36	J. Y. Parkhill, Kingston.		
" 4	"	50710	P. A. Happner, Kingston.	4 "	34	A. Maclean, Kingston.		

DISTRICT OF TORONTO--

Sept. 10	Cheese..	49482	A. E. Brown, 198 A Carleton St. Toronto.	2 lbs.	36	McLaren's Imperial Cheese Co Toronto.	Vendor says he is quite sure cheese was coated with paraffin.	
" 10	"	49483	D. M. Cooper, 230 Wellington St., Toronto.	2 "	40	Willard & Co., Prov. Merchant, Toronto.		
" 10	"	49484	C. Grant, Gerard St., east, Toronto.	257 2 "	40	John J. Fee, Toronto.		
" 11	"	49485	H. Vankoulnet, 169 Wilton ave., Toronto.	2 "	45	Rutherford-Marshall, Ltd., Toronto.		
Sept. 11	"	49486	J. & W. McLaren, 214 Queen st. east, Toronto.	2 "	43	McLaren's Imperial Cheese Toronto.	Made in June and coated with paraffin.	
" 11	"	49487	G. Robertson, 108 Shuter St., Toronto.	2 "	38	Willard & Co., Toronto.		
" 12	"	49488	E. K. Scolay & Co., 63 Jarvis St., Toronto.	2 "	34	Gunns, Ltd., Toronto.		
" 12	"	49489	C. F. Thorne, 107 Wassin St. Toronto.	2 "	40	McLaren's Imperial Cheese Co., Toronto.	Vendor says he is quite sure it is being coated with paraffin.	
" 12	"	49490	John Davison, 331 Bathurst St., Toronto.	2 "	42	Morley & Ewing, Toronto.		
" 12	"	49491	A. White, College St., Toronto.	438 2 "	82	Matthews Laing Ltd., Toronto		

CHEESE.

RESULTS OF ANALYSIS.

Water.	Fat.	Total Ash.	Salt in Ash.	Curd by Difference.	Fat on dry Substance	No. of Sample.	Remarks, and Opinion of the Chief Analyst.
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JAS. HOGAN, INSPECTOR.

p.c.		p.c.	p.c.	p.c.	p.c.	
32.66	33.60	2.64	0.94	31.10	49.85	50701
35.44	30.00	3.20	0.56	31.36	46.46	50702
32.	32.40	3.40	0.96	31.90	47.85	50703
29.02	35.40	3.12	1.25	32.46	49.87	50704
31.84	31.80	3.56	0.86	32.80	46.65	50705
32.74	31.20	3.00	1.18	33.06	46.38	50706
33.40	30.60	3.18	0.92	32.82	45.94	50707
30.50	31.80	3.50	1.05	34.20	51.70	50708
27.84	36.00	3.50	1.25	32.66	49.88	50709
25.60	37.80	3.78	1.09	32.82	50.80	50710

H. J. DAGER—INSPECTOR.

32.00	31.20	3.46	0.80	33.40	45.88	49482
30.98	33.60	3.48	0.82	31.94	48.68	49483
28.60	33.60	3.46	1.05	34.34	47.06	49484
31.40	33.00	3.56	0.95	32.04	48.10	49485
28.96	32.40	3.40	0.85	35.24	45.60	49486
28.28	32.40	3.28	1.05	36.01	45.17	49487
29.66	32.40	3.74	0.99	34.20	46.06	49488
28.06	36.00	3.20	0.85	32.74	50.04	49489
26.16	34.80	3.30	0.66	35.74	47.12	49490
22.94	35.40	3.80	1.15	37.86	46.51	49491

Date of Collection.	Nature of Sample.	No. of Sample.	Name and Address of Vendor.	Cost.		Name and Address of Manufacturer or Furnisher as given by the Vendor.		Inspector's Report. (Is not an expression of opinion.)
				Quantity	Cents.	Manufacturer.	Furnisher.	

DISTRICT OF WINDSOR—

1912.								
Sept.	5	Cheese....	48276 E. R. Newman, London, Ont.	2 lbs.	40		J. Garvey & Son London, Ont.	Not Paraffined.
"	5	"	48278 Thos. Shaw, London, Ont.	3 "	60		Masuret & Co., London, Ont.	"
"	5	"	48280 P. Sands, London, Ont.	3 "	70		A. M. Smith & Co., London, Ont.	"
"	6	"	48281 H. Ranshaw, London, Ont.	2 1/2 "	62		"	Made in Jun. 1912.
"	6	"	48282 Willis & Co., London, Ont.	3 "	58	Thorndale Cheese Fac- tory.	"	Not paraffined. Made in May, 1912.
"	6	"	48283 John Diprose, London, Ont.	3 "	50		A. W. Smith & Co., London, Ont.	Not paraffined. Made in June, 1912.
"	6	"	48284 Jns. O'Donnell, London, Ont.	2 1/2 "	45		Jas. Morley, London, Ont.	Not Paraffined.
"	9	"	48285 R. McIntosh, London, Ont.	2 1/2 "	20		Sennreth Bros. London, Ont.	"
"	9	"	48286 R. J. Wood, London, Ont.	2 1/2 "	"		Jas. Morley, London, Ont.	"
"	9	"	48287 Wm. Smith, London, Ont.	2 1/2 "	45		J. Garvey & Son London, Ont.	"

DISTRICT OF MANITOBA—

Sept.	12	Cheese....	48741 Peter Watt, Transcona.	3 lbs.	65	Unknown.....	Gordo. Ironside & Fares Co., Winnipeg.	Canadian made.
"	17	"	48742 J. E. Manning, Sargent Ave., Winnipeg.	3 "	60	"	The Jobin Mar- rin Co., Ltd..	"
"	17	"	48743 R. Seymour, Sargent Ave., Winnipeg.	3 "	60	"	Unknown.	"
"	17	"	48744 McKenzie and Heeve, Sar- gent Ave W'pg	3 "	65	"	"	"
"	17	"	48745 Conly & Yost, Sargent Ave., Winnipeg.	3 "	60	"	A Macdonald & Co., Winnipeg.	"
"	18	"	48746 B. A m a s o n, Sargent Ave., Winnipeg.	3 "	60	"	Campbell Bros. and Wilson, Winnipeg.	"
"	18	"	48747 C. Corneil, Langside St., Winnipeg.	3 "	60	"	The Codville Co Winnipeg.	"
"	18	"	48748 W. S. Shipman, Sargent Ave., Winnipeg.	3 "	66	"	The Codville Co., Winnipeg.	"
"	30	"	48749 P. H. Menlove, Winnipeg.	3 "	60	"	The Codville Co., Winnipeg.	"
"	30	"	48750 Templeton & Co., Winnipeg.	3 "	60	"	A. Macdonald & Co., Winnipeg.	"

CHEESE.

RESULTS OF ANALYSIS.						No. of Sample.	Remarks, and Opinion of the Chief Analyst.
Water.	Fat.	Total Ash.	Salt in Ash.	Curd by Difference.	Fat on dry Substance		

JOHN TALBOT, INSPECTOR.

p.c.	p.c.	p.c.	p.c.	p.c.	p.c.	
29.64	36.60	3.70	1.05	30.06	52.01	48276
31.92	34.20	3.64	0.76	30.24	50.23	48278
29.20	33.60	3.90	0.99	33.30	47.45	48280
29.00	33.00	2.30	1.05	35.70	46.49	48281
27.24	36.60	3.60	0.92	32.56	50.30	48282
28.00	34.80	3.80	0.92	33.40	48.33	48283
31.10	31.20	3.76	0.86	33.94	45.28	48284
30.92	34.80	3.26	0.86	31.02	50.37	48285
32.66	31.20	3.70	0.95	32.44	46.32	48286
30.00	33.60	3.56	0.86	32.84	48.00	48287

A. C. LARIVIERE, INSPECTOR.

31.20	32.40	2.76	0.86	33.64	47.09	48741
29.74	32.40	3.36	0.92	34.50	46.25	48742
37.16	30.00	4.58	1.02	28.26	47.77	48743
31.54	32.40	3.50	0.72	32.56	47.32	48744
25.20	37.80	4.28	1.55	32.72	50.53	48745
28.72	32.40	3.74	1.18	35.14	45.45	48746
28.44	34.20	3.40	0.69	33.96	47.79	48747
27.46	33.5	2.72	0.89	36.22	46.32	48748
29.82	36.00	3.60	1.18	30.58	51.29	48749
31.30	33.60	3.66	1.15	31.44	48.90	48750

Date of Collection.	Nature of Sample.	No. of Sample.	Name and Address of Vendor.	Cost.		Name and Address of Manufacturer or Furnisher as given by the Vendor.		Inspector's Report. (Is not an expression of opinion.)
				Quantity.	Cents.	Manufacturer.	Furnisher.	
DISTRICT OF NELSON—								
1912.								
Sept. 3	Cheese...	49684	M. Scally, Nelson, B.C.	2 lb	45	Swift Canadian Co., Nelson,	Waxed.....	
" 3	"	49695	Bell Trading Co Nelson, B.C.	2 "	45	Olive Dorin, Strand, Montreal.	"	
" 6	"	49697	Diamond Vile T. Co., Merritt, B.C.	2 "	50	Kelly Douglas Co., Vancouver.	Waxed.....	
" 3	"	49705	G. B. Armstrong Merritt, B.C.	2 "	50	F. R. Stewart & Co., Vancouver.	"	
" 9	"	49723	L. C. Masson, Revelstoke, B.C.	2 "	50	P. Burns & Co., Revelstoke, B.C.	Not waxed	
" 9	"	49728	Bourne Bros., Revelstoke, B.C.	2 "	50	P. Burns & Co., Revelstoke, B.C.	"	
" 10	"	49738	C. B. Hume & Co., Revelstoke, B.C.	2 "	50	J. D. Moore & Co., St. Maicy's.	"	
" 10	"	49743	Revelstoke Meat Mkt., Revelstoke, B.C.	2 "	50	Swift Canadian Co., -Edmonton.	"	
" 23	"	49744	C. A. Warren, Golden, B.C.	2 "	50	Plunkett and Savnge, Calgary.	"	
" 23	"	49751	H. G. Parson, Ltd., Golden, B.C.	2 "	70	Kelly, Douglas Co., Vancouver.	Waxed..	
DISTRICT OF VANCOUVER—								
Sept. 27	Cheese...	38399	W. H. Walsh Co Ltd., Eburne, B.C.	1 lb...	25	Unknown.	Naismith & Co. Vanc.	
" 27	"	38400	Eburne Grocery Eburne, B.C.	1 "	25	"	W. H. Malkin & Co., Vanc.	
" 27	"	38401	T. W. Turner, Pender St., Vancouver.	1 "	20	"	F. R. Stewart, Vanc.	
" 27	"	38402	Eburne Trading Co., Eburne, B.C.	1 "	20	"	F. R. Stewart, Vanc.	
" 27	"	38403	David Spence, Ltd., Van..	1 "	20	Ingersoll Cheese Co., Ingersoll, Ont.	"	
" 28	"	38404	Frank Wright, Seymour St., Van.	1 "	20	Unknown.	F. R. Stewart, Vanc.	
" 28	"	38405	W. Cowling, 1374 Pender St., Van.	1 "	25	"	Milne Produce Co., Vanc.	
" 28	"	38406	D. McGregor, Pender St. W., Vancouver.	1 "	25	"	Milne Produce Co., Vanc.	
" 28	"	38407	J. Johnson, 1112 Pender St., W., Vancouver.	1 "	25	"	Kelly Douglas, Vanc.	
" 28	"	38408	J. R. Gosling, 942 Pender W., Vancouver.	1 "	25	"	Milne Produce Vanc.	

CHEESE.

RESULTS OF ANALYSIS.							Remarks, and Opinion of the Chief Analyst.
Water.	Fat.	Total Ash.	Salt in Ash.	Curd by Differ- ence.	Fat on dry Substance	No. of Sample.	

THOS. PARKER, INSPECTOR.

p.c.	p.c.	p.c.	p.c.	p.c.	p.c.	
31.20	31.80	3.42	0.78	33.58	46.22	49684
35.52	30.00	3.30	0.63	31.18	46.51	49695
33.40	31.20	3.40	0.78	32.00	46.87	49697
33.80	31.20	3.62	0.66	32.50	47.11	49705
27.20	36.00	4.30	1.12	32.50	49.45	49723
35.00	30.00	2.92	0.72	32.08	46.00	49728
30.40	33.00	2.80	0.56	33.80	47.11	49738
34.08	30.00	3.12	0.59	32.80	45.56	49743
31.10	33.60	3.50	0.89	31.80	48.76	49744
31.68	34.80	3.80	0.92	29.72	50.93	49751

J. F. POWER, INSPECTOR.

30.60	36.00	2.64	0.66	30.76	51.87	38399
32.32	33.60	3.16	0.63	30.92	49.64	38400
29.00	33.00	2.80	0.59	35.20	46.48	38401
30.49	33.60	3.20	0.59	32.72	48.33	38402
30.58	36.00	3.52	0.66	29.90	51.86	38403
32.76	34.80	2.82	0.86	29.62	51.75	38404
26.90	37.20	3.60	0.95	32.30	50.88	38405
31.60	34.80	3.06	0.59	30.54	50.08	38406
29.80	37.20	3.22	0.86	29.78	52.99	38407
26.80	37.80	3.60	0.92	31.80	51.63	38408

Date of Collection.	Nature of Sample.	No. of Sample.	Name and Address of Vendor.	Cost.		Name and Address of Manufacturer or Furnishers given by the Vendor.		Inspector's Report. (Is not an expression of opinion.)
				Quantity.	Cents.	Manufacturer.	Furnisher.	
DISTRICT OF VICTORIA—								
1912								
Sept. 10	Cheese....	49168	Windsor Grocery Co., 817 Douglas St., Victoria, B.C.	2 lbs.	50		F. R. Stewart & Co., Victoria, B.C.	
" 11	"	49169	The West End Grocery Co., Ltd., 1002 Govt. St., Victoria, B.C.	2 "	50		R. P. Rithet & Co., Victoria, B.C.	
" 12	"	49170	Copas & Young, Victoria, B.C.	2 "	40		F. R. Stewart & Co., Victoria, B.C.	
" 16	"	49171	Acton Bros., Victoria, B.C.	2 "	45		Swift Canadian Co., Victoria, B.C.	
" 16	"	49172	H. & K. Grocery, Victoria, B.C.	2 "	50	McLaren's Imperial Cheese Co., Ltd., Ingersoll, Ont.		
" 18	"	49173	D. H. Ross & Co., Victoria, B.C.	2 "	50		Swift Canadian Co., Victoria, B.C.	
" 18	"	49174	Harrison & McDonald, Victoria, B.C.	2 "	50		Naismith & Co. Vancouver,	
" 20	"	49175	F. E. Plummer, Victoria, B.C.	2 "	50		Simon Leiser & Co., Victoria, B.C.	
" 24	"	49176	E. G. Bailey, Victoria, B.C.	2 "	50		Swift Canadian Co., Victoria, B.C.	
" 25	"	49177	Erskine & Co., Victoria, B.C.	2 "	50		R. P. Rithet & Co., Victoria, B.C.	

CHEESE.

RESULTS OF ANALYSIS.						No. of Sample.	Remarks and Opinion of the Chief Analyst.
Water.	Fat.	Total Ash.	Salt in Ash.	Curd by Difference.	Fat on dry Substance		

D. O'SULLIVAN, INSPECTOR.

p.c.	p.c.	p.c.	p.c.	p.c.	p.c.	
23.21	39.00	3.80	1.25	33.96	50.80	49163
30.56	34.80	3.02	0.87	31.62	50.11	49169
34.70	31.20	2.80	0.72	31.30	47.77	49170
29.16	33.60	3.86	0.92	33.38	47.41	49171
35.40	31.20	3.58	0.86	31.82	46.84	49172
33.20	31.20	3.32	0.92	32.18	46.77	49173
32.32	32.40	3.40	0.92	31.53	47.81	49174
27.80	34.80	3.20	0.99	34.20	48.20	49175
30.60	36.00	3.51	1.72	29.86	51.87	49176
30.20	35.40	3.19	0.86	31.30	50.71	49177

