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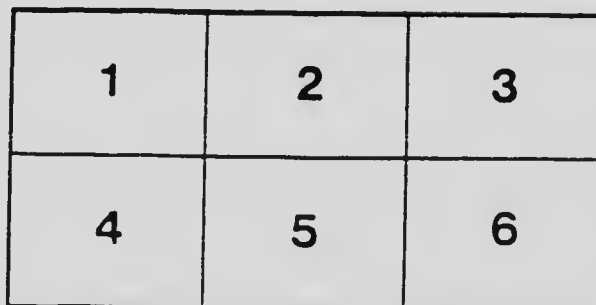
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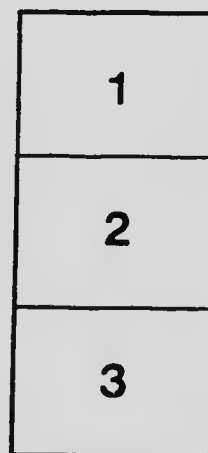
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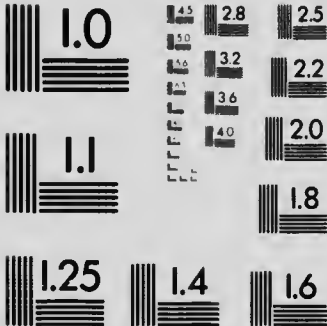
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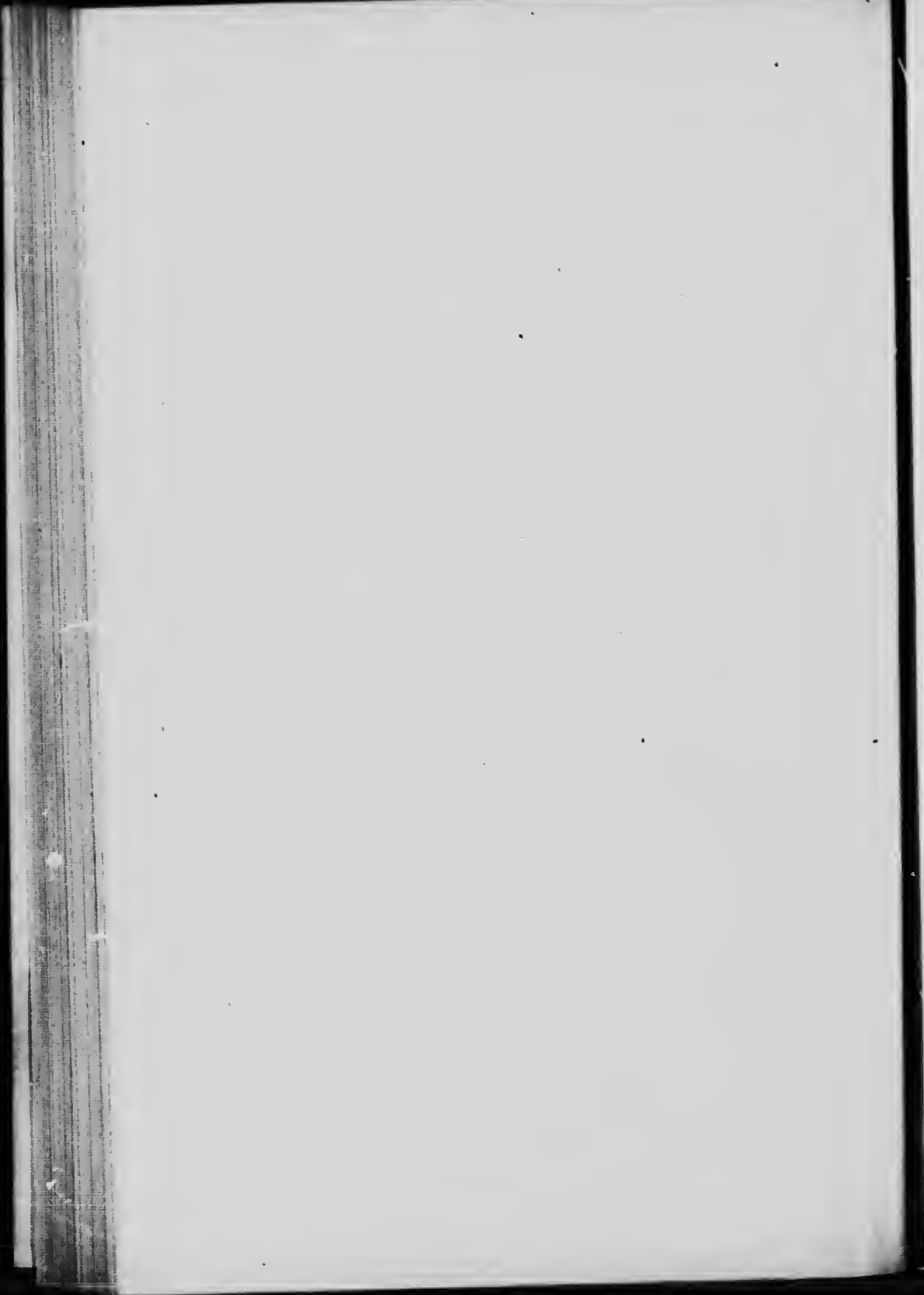
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LABORATORY  
OF THE  
INLAND REVENUE DEPARTMENT  
OTTAWA, CANADA

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BULLETIN No. 334

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BUTTER

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### NOTES AND COMMENTS.

Under this heading, as occasion arises, the Bulletins issued by this Department will contain, as an appendix, such comment as may seem necessary or advisable upon matters relating to the work of the Department in connection with the administration of the Adulteration Act, the Fertilizers Act, the Feeding Stuffs Act or the Proprietary Medicines Act.

It frequently happens that correspondents ask information regarding the above Acts, of such a nature that the matter in question possesses general interest, and comment upon it would prove acceptable and useful to others than the immediate questioner. In such cases the reply may find a place in these columns. For convenience of reference these notes will be numbered in series.



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LABORATORY  
OF THE  
INLAND REVENUE DEPARTMENT  
OTTAWA, CANADA

BULLETIN No. 334

BUTTER

OTTAWA, January 28, 1916.

U. VINCENT, Esq.,  
Deputy Minister of Inland Revenue.

SIR,—I beg to hand you a report upon one hundred and thirty-eight (138) samples of Butter, purchased by our inspectors in October, November and December of last year.

The results of this inspection may be recapitulated as below:—

Found genuine . . . . .	122 samples.
“ adulterated . . . . .	4 “
“ slightly below standard requirements . . . . .	12 “
Total . . . . .	138 “

In no instance has any fat other than milk fat been found.

Water is required not to exceed 16 per cent by weight. Even this amount of water is in excess of the normal content found in good butter. This fact may be verified by a study of the accompanying tables, as well as by noting previous reports. (See Bulletins 238 and 281.)

Butter fat is required to be not less than 82.5 per cent of the weight of the butter. Objection has been taken to this requirement, as excessive; and it is undeniable that, if the other components of butter are present in maximum legalized amount, the fat cannot reach 82.5 per cent. Thus if water be 16 per cent, salt 6 per cent (which may be regarded as the highest percentage tolerated by the palate) and curd 1 per cent the butter fat content cannot reach more than 77 per cent.

An inspection of our reports upon butter shows, however, that genuine butter is seldom if ever found to show all along the line maximum amounts of other substances than fat. In the present report, nearly 90 per cent of the samples reported contain more than 82.5 per cent of fat; and most of them notably exceed this limit. It could only be by strict supervision, with intent, that water, salt and curd could be adjusted to reach legal maxima.

Slight discrepancies in twelve (12) samples, herein reported, are regarded as negligible, and are not judged as adulterated.

I beg to recommend publication of this report as Bulletin No. 334.

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.	
				Quantity.	Cents.	Manufacturer.	Furnisher.

## DISTRICT OF NOVA SCOTIA—

1915.								
Oct.	21	Butter.....	61286	Rooney & Lovett, Halifax	1½ lb.	57	Brookfield Creamery Co., Brookfield, N.S.	Manufacturer...
"	21	"	61287	Smith & Proctor, "	1½ "	50	.....	.....
"	27	"	61288	A. D. Bruce, "	1½ "	57	Lahave Creamery Co., Bridgewater, N.S.	R. B. Colwell, Halifax.
"	28	"	64289	P. T. Shea, "	1½ "	57	Crapaud Creamery Co., Crapaud, P.E.I.	Manufacturer...
Dec.	7	"	64290	C. J. Cochrane, Windsor...	2 "	70	Meadowbank Creamery Co., Hamilton, Ont.	F. W. Fearnmen Co., Hamilton, Ont.
"	7	"	64291	Lamont & Steadman, Kentville.	1½ "	45	S. C. McDunell, Canaan, N.S.	Manufacturer...
"	13	"	64292	B. O. Bishop, Dartmouth.	1½ "	57	Robt. Ramsay, Steviacka, N.S.	"
"	13	"	64293	G. A. Orman, "	1½ "	60	Lahave Creamery Co., Bridgewater, N.S.	R. B. Colwell, Halifax.
"	13	"	64294	Coleman & Eisner, Dartmouth.	1½ "	60	Acadia Dairy Co., Wolfville.	Smith & Proctor Halifax.

## DISTRICT OF PRINCE EDWARD ISLAND—

Oct.	11	Butter.....	60378	P. J. Berrigan, Dunesdin Lot 31.	1½ lb.	40	M. & K. McNeill, New Dunesdin.	.....
"	13	"	60379	Beer & Goff, Charlottetown.	1½ "	48	Dunstaffrage Cheese & Butter Factory, Dunstaffrage.	.....
"	13	"	60380	J. C. Crabbe, "	1½ "	42	Edgar Easter, Hampshire, P.E.I.	.....
"	14	"	60381	P. A. Smith, "	1½ "	45	Mrs. Stead, Wheatley River, P.E.I.	.....
"	14	"	60382	"	1½ "	45	.....	Market Dairy, Charlottetown

## DISTRICT OF NEW BRUNSWICK—

Oct.	7	Butter.....	66166	Walter Gilbert, St. John, N.B.	1 lb.	54	Prince Crest Farm, St. John Co.	.....
"	12	"	66167	McBeath's Grocery, St. John, N.B.	1½ "	47	.....	Dearborn & Co., St. John.
"	14	"	66168	People's Dairy, R. H. Crothers, prop., St. John, N.B.	1½ "	54	Vendor	.....
"	14	"	66169	G. L. Craig, St. John, N.B.	1½ "	51	.....	W. Fenwick, City Market, St. John.
"	19	"	66170	M. E. Doohan, Fredericton.	1½ "	90	Unknown	Unknown
"	19	"	66171	A. E. Eardley, "	1½ "	55	Chas. Kee, Island View, York Co., N.B.	.....

## BUTTER

Inspector's Report. (Is not an expression of opinion.)	Results of Analysis.					No. of Sample.	Remarks and Opinion of the Chief Analyst.
	Curd.	Water.	Ash.	Butyro-re- fractometer at 40° C.	Fat by difference.		

## R. J. WAUGH, INSPECTOR.

	p. c.	p. c.	p. c.		p. c.		
.....		11.55	3.86	44.1	84.59	64286	Genuine.
.....		14.11	3.02	43.4	82.87	64287	"
.....		13.28	4.50	43.0	82.22	64288	"
.....		12.74	2.78	43.9	84.48	64289	"
.....		11.64	2.50	42.9	85.86	64290	"
.....		14.11	1.95	41.6	83.94	64291	"
.....		15.16	1.75	41.7	83.09	64292	"
.....		14.18	4.10	41.5	81.72	64293	"
.....		12.92	1.14	41.4	85.94	64294	"

## WM. A. WEEKS, INSPECTOR.

.....		8.22	2.05	42.7	8	60378	Genuine.
.....		10.67	2.73	43.1	86.50	60379	"
.....		11.70	2.31	42.8	85.99	60380	"
.....		7.72	2.18	43.2	87.20	60381	"
.....		7.98	2.10	43.6	89.92	60382	"

## JOHN C. FERGUSON, INSPECTOR.

Slab.....		16.30	3.96	43.2	79.74	66166	Water slightly in excess, and fat correspondingly low.
Tub.....		9.21	3.13	42.9	87.66	66167	Genuine.
Prints.....		11.73	2.70	43.8	85.57	66168	"
Box.....		12.43	1.21	44.9	86.36	66169	"
Dairy Bricks.....		9.37	5.86	44.3	84.83	66170	"
Prints.....		10.74	3.93	44.1	85.33	66171	"

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.	
				Quantity.	Cents.	Manufacturer.	Furnisher.

## DISTRICT OF NEW BRUNSWICK—

1915.							
Oct.	20	Butter.....	66172	Woodstock Creamery Co., Woodstock.	1 print	60	Vendor.....
"	26	" .....	66173	Maritime Dairy Co., Sussex, N.B.	1½ lb.	55	" .....
"	26	" .....	66174	Mills Eveleigh Co., Maple town, Sussex.	1½ "	55	Sussex Cheese & Butter Co., Sussex
"	27	" .....	66175	J. S. Dunlop, Moncton.....	1½ "	45	John Hennessy Malden, Westmoreland Co., N.B.

## DISTRICT OF QUEBEC CITY—

Oct.	4	Beurre .....	56536	A. Drolet, 714 St. Valier, Quebec.	2 lb..	70	Edmond Côté, Quebec.
"	4	" .....	56537	J. Art. Bedard, 728 St. Valier, Quebec.	2 " ..	70	S. Gagnon, Quebec.
"	4	" .....	56538	P. Larberge, 465 St. François St., Quebec.	2 " ..	70	J. B. Renaud, Quebec.
"	4	" .....	56539	M. Tremblay, 8 St. Agnes, Quebec.	2 " ..	68	Emond Côté, Quebec.
"	6	" .....	56540	Theo. Lebel, 86 Rue du Rocher, Quebec.	2 " ..	68	Ed. Sylvain .....
"	6	" .....	56541	Jeremie Pepin, 132 Rue Massue, Quebec.	2 " ..	70	J. B. Renaud.....
"	7	" .....	56543	O. Bacon, 28 Rue Hermine, Quebec.	2 " ..	70	Emond & Côté.....
"	7	" .....	56544	E. Robitaille, 48 Rue Victoria, Quebec.	2 " ..	66	Dom. Fish and Fruit.
"	6	" .....	56549	Jos. Vezina, 914 St. Valier, Quebec.	2 " ..	74	Dom. Fish Co.....
"	7	" .....	56551	A. Laro, 35 Victoria, Quebec.	2 " ..	70	J. B. Renaud.....

## DISTRICT OF QUEBEC PROVINCE—

Oct.	13	Beurre .....	4127	Frs. Morin, Ste. Claire.....	1½ lb.	51	Vendor.....
"	14	" .....	4429	Arthur Fradet, Arnah.....	1½ "	55	P. Beauliam, St. Philemon Co., Bellechasse.
"	1	" .....	330	Dinc. Joseph Beauchamp, Ste. Jerome.	1½ "	48	E. Brosseau, Rivière à Gagnon.
"	1	" .....	332	Cbs. Elie Laflamme, Ste. Jerome.	2 " ..	64	J. B. Lanthier.....
"	1	" .....	334	T. Lapointe, Ste. Jerome..	1½ "	51	Delphis Dion, La-chapelle.
"	2	" .....	336	Damien Hetu, Ste. Agathe des Monts.	1½ "	64	Beurre Lacosse.....
"	2	" .....	337	Hormisdas Monette, Ste. Agathe des Monts.	1½ "	60	Jos. St. Louis.....

BUTTER.

Inspector's Report (Is not an expression of opinion).	Results of Analysis.					No. of Sample.	Remarks and Opinion of the Chief Analyst.
	Curd.	Water.	Ash.	Butyro-re- fractometer at 40° C.	Fat by Differ- ence.		

Concluded.

	p. c.	p. c.		p. c.		
Prints .....	13 10	2 60	43 9	84 36	66172	Genuine.
" .....	9 27	3 27	43 7	87 46	66173	"
" .....	9 80	2 58	43 6	87 62	66174	"
" .....	14 15	7 42	43 0	78 43	66175	"

F. N. W. F. BELAND, INSPECTOR.

.....	14 52	3 12	43 5	82 36	56536	Genuine.
.....	11 37	4 65	43 4	83 98	56537	"
.....	12 15	2 96	43 0	84 89	56538	"
.....	13 18	1 77	43 4	85 05	56539	"
.....	11 75	5 90	44 3	82 35	56540	"
.....	10 25	1 87	42 7	87 88	56541	"
.....	12 45	2 36	43 5	85 19	56543	"
.....	21 49	1 79	41 5	76 72	56544	Water content high; fat low. Adulterated.
.....	14 00	2 04	43 0	83 96	56549	Genuine.
.....	12 50	2 80	43 3	84 70	56551	"

O. BROCHU AND N. CADIEUX, TEMPORARY INSPECTORS.

.....	7 64	1 03	41 6	91 33	4427	Genuine.
.....	14 61	3 29	41 6	82 10	4429	"
.....	11 76	3 05	42 2	85 19	330	"
.....	14 85	1 64	41 8	83 51	332	"
.....	14 36	5 28	42 0	80 36	334	Fat slightly below standard.
.....	12 37	1 90	44 2	85 73	336	Genuine.
.....	12 10	2 20	41 8	85 70	337	"

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.	
				Quantity.	Cents.	Manufacturer.	Furnisher.

## DISTRICT OF EASTERN TOWNSHIPS—

1915.							
Oct.	25	Butter.....	58456	W. W. Emery, Sherbrooke.	1½ lb.	50	Mathews-Blackwell Co., Ltd.
"	25	"	58457	"	1½ "	54	
"	25	"	58458	Edmond Lanctot, Sherbrooke.	1½ "	53	
"	25	"	58459	Joseph Thibault, Sherbrooke	1½ "	52	
"	25	"	58460	"	1½ "	55	Raboin & Raboin, Compton, P. Q.
"	25	"	58461	L. Pinard, Sherbrooke	2 bl'ks	70	A. Bedard, Sook Centre, P. Q.
"	25	"	58463	C. J. Lane & Sons, Lennoxville.	2 "	56	F. R. Bartlette, Lennoxville.
"	25	"	58464	McMurray & Hall, Lennox-	1½ "	64	
"	25	"	58465	George Bolduc, Lennoxville.	1½ "	48	

## DISTRICT OF OTTAWA—

Sept.	29	Butter.....	70511	J. J. Hourigan, Almonte	1½ lbs.	50	Cobden Creamery
Oct.	1	"	70512	J. E. Cook, Winchester	1½ "	50	Alex. Hess, Williamsburg, Ont.
"	1	"	70513	Chester Casselman, Chesterville.	1½ "	50	The Harris Abatir Co., Toronto
"	1	"	70514	T. McGee, Chesterville....	1½ "	51	The Whyte Packing Co., Toronto.
"	7	"	70515	Mathews-Blackwell Ltd., Ottawa.	1½ "	47	Moynours Ltd., Ottawa.
"	7	"	70516	E. & J. Gougeon, Ottawa	1½ "	50	Davies, Toronto.
"	7	"	70517	J. Dover & Sons, Ottawa...	1½ "	51	Hodgson's Bros., Montreal.
"	7	"	70518	Moynours Ltd., Ottawa	1½ "	50	Vendors
"	12	"	70519	The A. E. Rea Co. Ltd, Ottawa.	1½ "	56	"
"	12	"	70520	"	1½ "	56	Valley Creamery of Ottawa, Ottawa.
"	13	"	70521	Soublier & Tremblay, Hull.	1½ "	51	Ottawa Dairy Co., Ottawa.
"	14	"	70525	M. J. Ade, Main St., Ottawa East.	1½ "	54	"
"	14	"	70597	The Ottawa Dairy Co., Ltd. Ottawa.	1½ "	53	Vendors

## BUTTER.

Inspector's Report. (Is not an expression of opinion.)	Results of Analysis.					No. of Sample.	Remarks and Opinion of the Chief Analyst.
	Curd.	Water.	Ash.	Butyro-re- fractometer at 40° C.	Fat by difference.		

## J. J. COSTIGAN, ACTING INSPECTOR.

	p. c.	p. c.	p. c.		p. c.		
Dairy .....		14.29	4.50	41.0	81.21	58456	Genuine.
Creamery.....		13.52	3.46	42.5	83.01	58457	"
Choice Dairy.....		14.08	1.93	42.2	83.99	58458	"
Dairy.....		10.97	2.70	41.8	86.33	58459	"
Creamery .....		13.44	2.09	42.4	84.47	58460	"
.....		12.22	3.96	42.3	83.82	58461	"
Dairy.....		9.98	2.46	43.4	87.56	58463	"
.....		13.11	1.90	41.8	84.99	58464	"
.....		14.64	2.33	41.6	83.03	58465	"

## J. A. RICKEY, INSPECTOR

Creamery.....		15.08	2.93	42.7	81.99	70511	Genuine.
Whey.....		10.73	1.50	42.3	87.77	70512	"
Creamery.....		13.08	1.33	43.2	85.59	70513	"
".....		11.71	2.63	40.6	85.66	70514	"
Dairy.....		8.54	5.75	41.3	85.71	70515	"
".....		15.46	2.98	40.3	81.66	70516	"
Creamery.....		12.80	1.91	42.4	85.29	70517	"
Creamery Chateau.....		12.21	2.51	42.2	85.28	70518	"
Creamery.....		11.55	2.02	42.2	86.43	70519	"
".....		12.55	3.29	43.0	84.16	70520	"
".....		11.89	4.50	41.0	83.61	70524	"
".....		13.30	3.80	42.3	82.81	70525	"
Ottawa Dairy.....		12.73	3.60	42.2	83.67	70597	"



Date of Collection.	Nature of Sample.	Number of Sample.	Name and Address of Vendor.	Cost.		Name and Address of Manufacturer or Furnisher, as given by the Vendor.	
				Quantity.	Cents.	Manufacturer.	Furnisher.
DISTRICT OF KINGSTON—							
1915.							
Oct. 27	Butter .....	70266	W. E. Hopkinson, Kingston	1 lb.	38	James Stonehouse, Port Perry Creamery.	
" 27	" .....	70267	Geo. Gibson, Kingston	1 "	32	Gold Spring Fresh Dairy.	
" 27	" .....	70268	L. W. Murphy, Kingston	1 "	33	Meadow Brook Creamery.	
" 27	" .....	70269	Wm. Davies, Kingston	1 "	33	Mayflower Dairy.	
" 27	" .....	70270	Ben Lee, Kingston	1 "	38	Eastern Dairy School, Kingston	

## DISTRICT OF TORONTO—

Oct. 12	Butter.	69945	C. J. McRae, Stayner	2 lbs.	54	M. G. Knetchel, Stayner.	
" 13	" ..	69946	Darrouch Bros., Collingwood.	1 1/2 "	42	Mrs. Knuff	
" 13	" ..	69947	Cauthiers & Currie, Collingwood.	1 1/2 "	45	Mrs. Wm. Neil, Nottawa.	
" 14	" ..	69948	E. Armstrong, Barrie	1 "	32	Peter Kerns, Barrie	
" 15	" ..	69949	J. M. Bothwell Estate, Allendale	2 "	60	Mrs. Gibson	
" 15	" ..	69950	H. C. Channon, Barrie	1 1/2 "	45	Mrs. I. H. Luke, Barrie.	
" 19	" ..	69951	M. L. Lawson, Elmvalle	2 "	54	Mr. B. French, Waveley.	
" 20	" ..	69952	D. A. Lahey & Co., Penetang.	1 1/2 "	45	Mrs. H. Richardson, Fergusonville.	
" 20	" ..	69953	H. J. Kettle, Midland	1 1/2 "	48	Mrs. John McMahon, Midland.	
" 20	" ..	69954	A. D. Parsons, Midland	2 "	62	Mrs. John Farquharson, Elliott-Corners.	

## DISTRICT OF HAMILTON—J. J. COSTIGAN,

Oct. 1	Butter.	58406	J. D. Harrison, City Market, Hamilton.	1 1/2 lbs.	48		
" 1	" ..	58407	A. J. Lambert, City Market Hamilton.	1 1/2 "	48	C. W. Kaufman	
" 1	" ..	58408	" " "	1 1/2 "	45		
" 1	" ..	58409	M. Freeman, City Market, Hamilton.	1 1/2 "	48		
" 1	" ..	58410	" " "	1 1/2 "	45		
" 1	" ..	58411	D. Green, City Market, Hamilton.	1 1/2 "	48	R. Bond, York	
" 1	" ..	58412	" " "	1 1/2 "	42		
" 1	" ..	58413	A. Norman, City Market, Hamilton.	1 1/2 "	52	John Scott, Exeter.	
" 2	" ..	58414	O. W. Bessey, City Market, Hamilton.	1 1/2 "	45	R. J. McGee, Auburn.	
" 2	" ..	58415	Dundaik Produce Co., City Market, Hamilton.	1 1/2 "	49		

**BUTTER.**

Inspector's Report. (Is not an expression of opinion.)	Results of Analysis.					No. of Sample.	Remarks and Opinion of the Chief Analyst.
	Curd.	Water.	Ash.	Butyro-ref. ractometer at 40° C.	Fat by differ- ence.		

**JAMES HOGAN, INSPECTOR.**

	p. c.	p. c.	p. c.		p. c.		
.....		15.78	3.45	42.9	80.77	70266	Fat, slightly below standard
.....		10.67	3.71	42.3	85.62	70267	Genuine.
.....		12.25	2.97	42.6	84.78	70268	"
.....		10.47	4.98	41.3	84.55	70269	"
.....		14.46	2.95	42.8	82.59	70270	"

**H. J. DAGER, INSPECTOR.**

.....		10.98	4.42	42.8	84.60	69945	Genuine.
Dairy .....		6.88	3.27	43.1	89.85	69946	"
.....		12.45	3.71	43.3	83.84	69947	"
Choice Dairy .....		14.34	6.82	42.3	78.84	69948	Fat too low, due to excess of salt.
" .....		11.65	2.41	43.1	85.34	69949	Genuine.
Dairy .....		11.76	2.54	42.4	85.0	69950	"
Choice Dairy .....		11.03	7.85	43.0	21.12	69951	"
.....		10.46	2.31	42.6	87.20	69952	"
.....		10.44	6.15	40.6	83.41	69953	"
Dairy .....		8.28	3.63	43.0	88.09	69954	"

**ACTING INSPECTOR.**

Dairy .....		11.42	3.54	42.0	85.04	58406	Genuine.
Creamery .....		15.77	3.52	42.2	80.71	58407	"
Dairy .....		11.47	0.47	42.2	88.06	58408	"
Creamery .....		15.72	1.76	42.0	82.52	58409	"
Dairy .....		8.43	2.80	43.4	88.77	58410	"
Creamery .....		15.45	1.92	42.7	82.64	58411	"
Dairy .....		14.04	1.35	42.6	84.61	58412	"
Creamery .....		15.13	2.37	43.6	82.50	58413	"
Dairy .....		16.80	2.15	43.1	81.35	58414	Water slightly in excess of standard.
Creamery .....		15.03	1.51	43.1	83.46	58415	Genuine.

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.	
				Quantity.	Cents.	Manufacturer.	Furnisher.

## DISTRICT OF WINDSOR—

1915.							
Oct.	13	Butter.....	54691	G. W. Sawyer, Leamington.	1½ lbs.	48	Harrow Creamery, Harrow.
"	13	" .....	54694	Robinson Bros., Leamington	1½ "	50	Harrow Butter & Cheese Co.
"	13	" .....	54501	C. W. Hendershot, Ltd., Kingsville.	2 "	66	Farmer's Friend Creamery, Essex.
"	13	" .....	54502	Munroe Wigle, Kingsville.	1½ "	48	Harrow Butter & Cheese Factory, Harrow.
"	13	" .....	54503	T. J. Salmoni, Kingsville.	1½ "	50	" " .....

## DISTRICT OF MANITOBA—

Oct.	15	Butter.....	61401	Roy Robertson, Melita.....	1½ lbs.	50	Melita Creamery Co., Melita.
"	20	" .....	61402	C. H. Manishin, 519 Armetta Ave., W., Kildonan.	1½ "	55	Swifts Canadian Co., Winnipeg.
"	20	" .....	61403	H. R. Beaven, 530 Polson Ave., Winnipeg.	1½ "	50	Shoal Lake Co., Manitoba.
"	20	" .....	61405	Booth Bristow, 535 Bannerman Ave., Winnipeg.	1½ "	56	Brookfield Co., Winnipeg.
"	21	" .....	61407	J. Donnelly & Son, 123 Marion St., Norwood.	2 "	75	Devon Dale Co., Winnipeg.
"	21	" .....	61408	Collin, C. O. D. Store, 13 Provencher Ave., St. Boniface.	1½ "	55	City Dairy Co., Winnipeg.
"	21	" .....	61409	Pelletier Co., 551 Tache Ave. St. Boniface	2 "	60	Thomas Gagnon...
"	22	" .....	61410	R. Manson, Grand Vital P. O., St. Mary's Road.	1½ "	55	St. Boniface Creamery Co.
"	22	" .....	61432	A. Irish, Grand Vital P. O.	1½ "	55	Clover Dale Creamery Co.
"	22	" .....	61433	Blair & Scott, St. Vital, Tache, Ave.	1½ "	50	Dingle & Stewart, St. Vital.

## DISTRICT OF SASKATCHEWAN—

Oct.	12	Butter.....	66441	S. D. McMichen Co. Moose Jaw.	1½ lbs	45	W. Bennie, Moose Jaw.
"	12	" .....	66442	The Innis Co., Moose Jaw.	1½ "	55	Saskatchewan Creamery, Moose Jaw.
"	12	" .....	66443	Moose Jaw Trading Co., Moose Jaw.	1½ "	55	Swift Canadian Co. Moose Jaw.
"	12	" .....	66444	Western Meat Market, Moose Jaw.	1½ "	55	Souris Valley Creamery, Estevan Saskatchewan.
"	12	" .....	66445	G. A. Whitelock, Moose Jaw.	1½ "	50	Gorden Ironside & Fares, Moose Jaw.

## BUTTER.

Inspector's Report. (Is not an expression of opinion.)	Results of analysis.					No. of Sample.	Remarks and Opinion of the Chief Analyst.
	Card.	Water.	Ash.	Butyro-re- fractometer at 40° C.	Fat by Difference.		

## JOHN TALBOT, INSPECTOR.

	p. c.	p. c.	p. c.		p. c.		
.....		11.61	2.71	43.6	85.68	54691	Genuine.
.....		16.82	2.07	43.1	81.11	54694	Water slightly excessive.
.....		12.28	2.85	43.6	84.87	54501	Genuine.
.....		19.89	3.41	42.8	76.70	54502	Water in excess and fat too low. Adulterated.
.....		20.63	2.08	43.6	77.26	54503	Water in excess and fat too low. Adulterated.

## J. B. COSGROVE, TEMPORARY INSPECTOR.

.....		10.07	1.38	43.5	88.55	61401	Genuine.
.....		9.26	0.96	43.4	89.78	61402	"
.....		10.05	2.35	43.3	87.60	61403	"
.....		10.75	0.74	43.2	88.53	61405	"
.....		13.27	2.42	43.4	84.31	61407	"
.....		12.38	0.84	43.4	86.78	61408	"
.....		7.14	1.95	44.2	91.91	61409	"
.....		10.03	2.08	43.0	87.89	61410	"
.....		11.47	2.04	43.4	86.49	61432	"
.....		11.04	2.43	42.7	89.59	61433	"

## L. H. HALL, INSPECTOR.

.....		8.53	7.05	42.8	84.42	66441	Genuine.
.....		13.43	0.60	42.6	85.97	66442	"
Brookfield.....		13.33	1.16	42.6	85.51	66443	"
.....		12.05	1.26	42.6	86.09	66444	"
Cloverdale.....		12.34	0.80	42.7	86.84	66445	"

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.	
				Quantity.	Cents.	Manufacturer.	Furnisher.

## DISTRICT OF ALBERTA—

1915.							
Nov. 16	Butter.....	52281	Spencer Todd, Ltd., Medicine Hat.	2 lbs.	80	Carlyle's Fancy Creamery, Medicine Hat.	
" 17	" .....	52282	E. S. Bowden, Taber .....	2 "	80	R. Bowden, Purple Springs.	
" 17	" .....	52283	The Good Co., Lethbridge..	2 "	80	Magrath Creamery Assn., Magrath.	
" 24	" .....	52284	Geo. D. Wood, Calgary....	2 "	80	Carlyle Dairy Co., Calgary.	
" 24	" .....	52285	The John Irwin Co., Calgary	2 "	70	P. Pallisen, Calgary.	

## DISTRICT OF ROCKY MOUNTAINS—

Nov. 16	Butter.....	61896	J. A. Menzies Ltd., Merritt.	1½ lbs.	70	J. Beckman, Lower Nicola.	
" 16	" .....	68101	Merritt Mercantile Co., Merritt.	1½ "	60	F. R. Stewart & Co., Vancouver.	
" 16	" .....	68102	Merritt and Dist. Ind. Co. of Soc., Merritt.	2 "	90		
Dec. 6	" .....	68107	N. L. McInnes Co., Grand Forks.	2 "	90	Grand Forks Creamery.	
" 6	" .....	68108	" " ..	2 "	75	Lindsay Creamery Co., Lindsay.	

## DISTRICT OF VANCOUVER—

Nov. 4	Butter. ....	55406	David Spencer, Ltd., Vancouver.	1½ "	51	A. P. Slade & Co., Vancouver.	
" 4	" .....	55407	Vancouver-Prince Rupert Meat Co., 152 Hastings St. W., Vancouver.	1½ "	50	Swift Can., Ltd., Vancouver.	
" 4	" .....	55408	Woodward Dept'l Stores, Vancouver.	1½ "	53	" " .....	
" 4	" .....	55409	Powell's Market, 58 Hastings St. E., Vancouver.	1½ "	50	F. R. Stewart & Co., Vancouver.	
" 11	" .....	55410	W. H. Walsh, Davie and Seymour Sts., Vancouver.	1½ "	55	" " .....	
" 11	" .....	55411	Jones' Egg, Butter and Prov. Store, 1186 Granville St., Vancouver.	1½ "	60	Parsons Haddock Co., Ltd., Vancouver.	
" 11	" .....	55412	Clover Leaf Butter Store, Granville Nelson and Sts., Vancouver.	1½ "	55	F. R. Stewart & Co., Vancouver.	
" 12	" .....	55413	Larsen and Anne, 601 Front St., New Westminster	2 "	70	" " .....	
" 12	" .....	55414	Fraser River Supply Co., 548 Columbia St., New Westminster.	2 "	60	A. P. Slade & Co., Vancouver.	
" 12	" .....	55415	C. A. Walsh, Ltd., 681 Columbia St., New Westminster.	2 "	70	F. R. Stewart & Co., Vancouver.	

## BUTTER.

Inspector's Report. (Is not an expression of opinion).	Results of Analysis.					No. of Sample.	Remarks, and opinion of the Chief Analyst.
	Curd.	Water.	Ash.	Butyro-ref. ractometer at 40° C.	Fat by differ- ence.		

## A. W. R. MARKLEY, INSPECTOR.

	p. c.	p. c.	p. c.		p. c.		
Dairy .....	0.96	13.78	2.95	42.9	82.31	52281	Genuine.
" .....	1.02	9.86	2.65	43.6	86.47	52282	"
Creamery.....	0.86	13.34	2.12	42.4	83.68	52283	"
Scotia Thistle Brand..	0.86	16.26	3.00	42.8	79.88	52284	Water slightly in excess, and fat low.
Fancy Creamery Butter	0.86	16.26	3.00	42.8	79.88	52285	Water in excess, and fat low. Adulterated.
Pure Creamery.....	0.76	21.56	2.70	42.5	74.98		

## THOS. PARKER, INSPECTOR.

.....	1.06	14.64	2.31	42.3	81.99	61896	Genuine.
Merco .....	0.70	16.20	3.08	42.8	80.02	68101	Water slightly in excess.
Ayresshire Rose .....	0.72	15.62	2.18	43.3	81.48	68102	Genuine.
Maple Leaf .....	1.02	12.50	2.25	43.0	84.23	68107	"
Victoria Creamery....	0.64	15.08	2.19	44.8	82.09	69108	"

## E. J. MORGAN, INSPECTOR.

.....	1.00	14.92	1.47	42.8	82.61	55406	Genuine.
.....	0.88	15.52	2.30	43.0	81.30	55407	"
.....	0.74	15.52	2.49	43.2	81.25	55408	"
.....	0.68	14.92	1.61	42.9	82.79	55409	"
.....	1.16	15.44	3.21	43.2	80.19	55410	Fat slightly below standard.
.....	0.92	15.12	1.45	42.5	82.51	55411	Genuine.
.....	0.74	16.72	1.89	43.1	80.65	55412	Water in slight excess of standard.
.....	0.64	15.84	2.93	43.0	80.59	55413	Fat slightly below standard.
.....	0.98	11.84	2.43	42.1	84.75	55414	Genuine.
.....	0.70	14.04	2.58	43.4	82.68	55415	"

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.	
				Quantity.	Cents.	Manufacturer.	Furnisher.

## DISTRICT OF VICTORIA-

1915.							
Nov. 10	Butter.....	66616	Windsor Grocery Co., 817 Govt. St., Victoria.	1½ lb.	55	.....	B. Wilson Co., Ltd., Victoria.
" 10	" .....	66622	The West End Grocery, Co., 1002 Govt. St., Victoria.	1½ "	67½	The Comox Creamery Assn., Courtney, B.C.	.....
" 10	" .....	66623	" " ..	1½ "	67½	Salt Spring Island Creamery Assn., Ganges, B.C.	.....
" 11	" .....	66624	Dixi H. Ross & Co., 1317 Govt. St., Victoria.	1½ "	70	Cowichan Creamery Assn., Duncan, B.C.	.....
" 11	" .....	66625	" " ..	1½ "	70	Salt Spring Island Creamery Assn., Ganges, B.C.	.....
" 12	" .....	66629	Acton Bros., 1317 Douglas St., Victoria.	1½ "	60	Salmon Arm Creamery, Salmon Arm.	.....
" 12	" .....	66633	H. O. Kirkham & Co., Ltd., 1109 Govt. St., Victoria.	1½ "	58	.....	B. Wilson Co., Ltd., Victoria.
" 15	" .....	66640	Henry W. Driver 856 Yates St., Victoria.	1½ "	55	Swift Can. Co., Ltd., Victoria.	.....
" 23	" .....	66641	Wellburn's Cash Grocery, 1058 Pandora Ave., Victoria.	1½ "	60	.....	B. Wilson Co., Ltd., Victoria.
" 23	" .....	66642	E. B. Jones, 1800 Cook St., Victoria.	1½ "	70	Cowichan Creamery Assn., Duncan, B.C.	.....

## BUTTER.

Inspector's Report. (Is not an expression of opinion.)	Results of Analysis.					No. of Sample.	Remarks and Opinion of the Chief Analyst.
	Curd.	Water.	Ash.	Butyro- refractometer at 40° C.	Fat by Difference.		

## D. O'SULLIVAN, INSPECTOR.

	p. c.	p. c.	p. c.		p. c.		
Clover Leaf Creamery.	0.72	16.12	2.64	42.3	80.52	66616	Water slightly excessive and fat correspondingly low. Genuine.
.....	1.16	12.40	2.32	43.1	84.12	66622	
.....	1.06	13.48	2.41	42.1	83.05	66623	"
.....	1.08	12.92	1.46	42.5	84.54	66624	"
.....	1.14	14.20	1.93	42.6	82.73	66625	"
Fresh Creamery Butter.	0.98	13.52	1.66	43.2	83.84	66629	"
.....	0.80	15.78	2.50	42.4	80.92	66638	"
.....	0.88	12.76	1.51	43.5	84.85	66640	"
Special Creamery . . .	1.02	14.28	1.54	43.6	83.16	66641	"
.....	1.00	12.36	1.98	42.6	84.66	66642	"



