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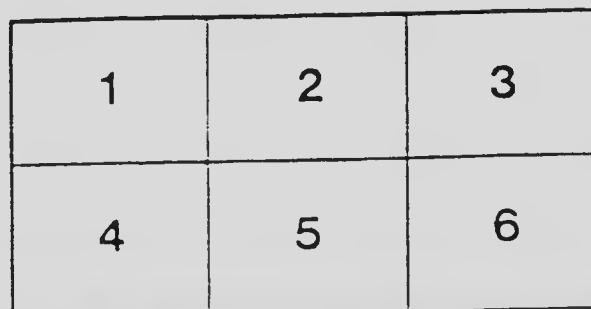
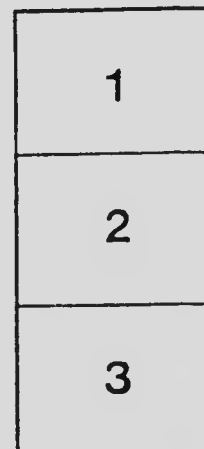
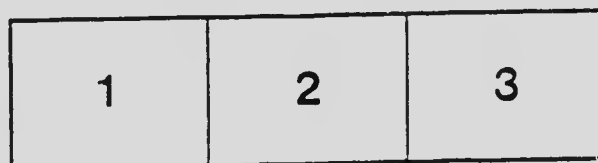
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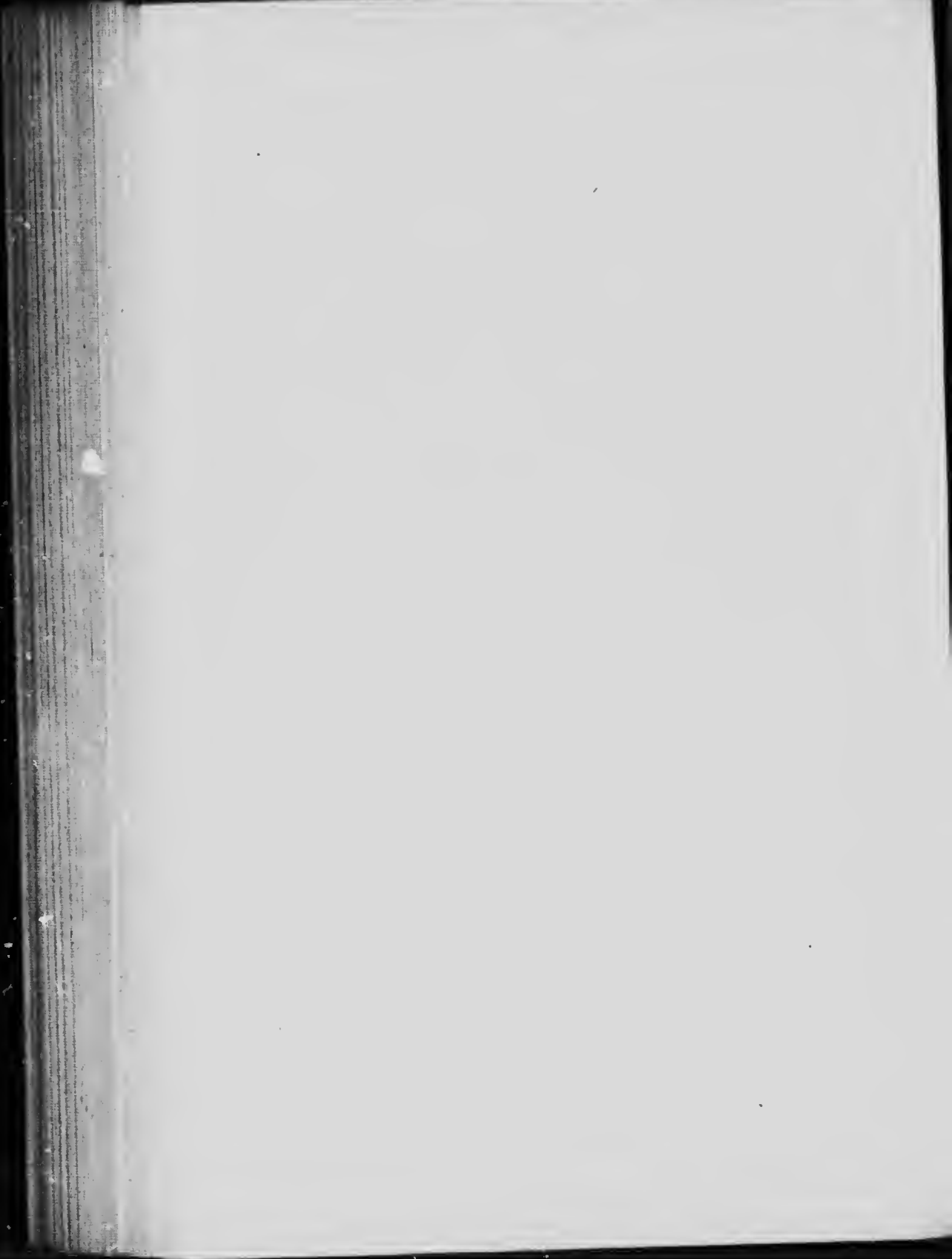
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LABORATORY
OF THE
INLAND REVENUE DEPARTMENT
OTTAWA, CANADA.

BULLETIN No. 318.

Milk in Smaller Towns and Villages.

LABORATORY
OF THE
INLAND REVENUE DEPARTMENT
OTTAWA, CANADA

BULLETIN No. 318

MILK IN SMALLER TOWNS AND VILLAGES.

OTTAWA, August 5, 1915.

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

SIR,—I beg to hand you a report upon two hundred and nine (209) samples of milk, purchased by our inspectors in various towns and villages throughout Canada in April, May, June and July of this year. This is the third of a series of inspections of the kind, instituted in consequence of widely extended complaint to the effect that, while the cities and larger towns of Canada, as a rule, provide systematic inspection of their milk supply, the smaller towns and villages are not so protected.

The complaint referred to is found to have a basis in fact. Bulletin No. 298 reports upon fifty-nine (59) samples, of which twenty-six (26) are below the legal standard. Bulletin No. 310 reports concerning two hundred and eight (208) samples, of which twenty-one (21) were below legal standard, and sixteen (16) were classed as doubtful.

The results of the present report may be summarized as follows:—

	Samples.
Found genuine (up to standard requirements)	152
“ “ but dirty	12
“ doubtful, as being below standard requirements, but not so definitely as to be judged adulterated.	17
“ Adulterated.	27
“ so far spoiled as to be unworkable.	1
Total.	209

When visible and measurable amount of dirt is present in milk, this constitutes adulteration, even though the sample is otherwise genuine. Inasmuch, however, as no quantitative standard in this regard has been fixed, I have not judged these (12) samples as adulterated, but have merely stated a fact. It may be necessary to amend our standards in this matter, so as to positively fix a limit for dirt. This dirt consists of dust, hairs and cow-dung, and is most offensive and objectionable, as well as dangerous to health.

Adulteration of twenty-seven (27) samples consists in notable departure from legal standards in the matter of fat content, non-fat solids, and other data. In nine (9) of these cases, the milk fat, while distinctly less than the legal standard requires (3.25 per cent) is not less than we know to be contained in the milk of certain individual cows, under exceptional conditions, such as improper feeding. The remaining samples (eighteen in number) indicate such marked deviation from standard requirements, as to admit of no recommendation for leniency.

These are the following:

Sample Number.	Fat.	Non-fat Solids.
3846	2.27	8.95
3852	2.47	9.02
3852	2.08	9.15
3883	1.29	8.82
3947	1.32	8.89
3950	2.48	9.98
3980	2.44	9.26
66750	1.54	9.13
66758	2.59	9.03
67039	2.46	9.23
67040	2.30	9.46
67042	2.59	9.42
67043	2.61	9.27
67044	0.74	8.56
67180	2.48	9.02
66702	2.55	9.01
68470	2.67	7.82
66707	2.41	7.57
6671		

In all but the last two cases, the results of analysis point to removal of milk fat (cream) only; in the last two cases, the abnormally low non-fat solids, indicate addition of water.

I beg to recommend publication of this report as Bulletin No. 318.

I have the honour to be, Sir,

Your obedient servant,

A. MCGILL,
Chief Analyst.

CORRECTION.

BULLETIN No. 301.—WHITE PAINT.

In this bulletin under "remarks and opinion of the Chief Analyst" the word barytes appears. Instead of this word, the term barium sulphate should be used. Barium Sulphate is used as a paint material either as the ground mineral heavy spar or barytes, or as a product of the interaction of barium sulphide and zinc sulphide, which results in the formation of lithopone, a pigment consisting essentially of 30 per cent. of zinc sulphide and of 70 per cent. barium sulphate. This product is commercially known as lithopone and is a greatly more desirable paint material than the pulverized mineral above referred to.

It has been ascertained that it is in this last form (lithopone) that barium sulphate is present in most of the samples reported in Bulletin No. 301.

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.							
June 30	Milk	54071	Ed. Rose, Yarmouth	1 qt.	5	Vendor	
" 30	"	54072	G. L. Cleveland, Yarmouth	1 "	5	Unknown	
" 30	"	54073	F. L. Marshall, Yarmouth	1 "	5	Vendor	
July 2	"	54074	W. C. Warrington, Digby	1 "	7	Unknown	
" 2	"	54075	C. J. Young, Digby	1 "	7	Vendor	
" 8	"	54076	J. A. Goudrey, Mahone Bay	1 "	7	"	
" 8	"	54077	Mrs. Henry Sel. nose, Mahone Bay	1 "	7	"	
" 9	"	54078	Willard Wile, Bridge water	1 "	6	"	
" 9	"	54079	C. D. Walker, Bridge water	1 "	7	"	
" 13	"	54080	Geo. Bell, Dartmouth	1 "	8	"	

DISTRICT OF NEW BRUNSWICK—

1915.							
May 28	Milk	66056	J. Warren James, Andover	1 qt.	10	Vendor	
June 8	" (Whole)	66057	Oskar Lattle, Station, York Co.	1 "	10	"	
" 10	"	66058	Jos. M. McCullough, St. Andrews	1 "	16	"	
" 10	"	66059	J. D. Grimmer, St. Andrews	1 "	10	"	
" 10	"	66060	S. H. Rigby, St. Andrews	1 "	10	Charles Garness, Bayside, St. Croix	
" 15	Milk	66061	Wm. Dunham, Norton, Kings Co.	1 "	10	Vendor	
" 15	"	66062	C. L. O'Neill, Norton, Kings Co.	1 "	10	"	
" 15	"	66063	Bliss Mann, Norton, Kings Co.	1 "	10	"	
" 15	"	66064	A. H. Wilcox, Norton, Kings Co.	1 "	10	"	
" 16	"	66065	Harry McEhm, Sussex	1 "	10	James McElroy, Sussex	

DISTRICT OF QUEBEC CITY—

May 3	Lait	56375	Pierre Giguere, Place sans but.	1 pte.	12		
" 3	"	56376	Arthur Lezard, Place sans but.	1 "	12		
" 3	"	56377	Louis Choutier, Place sans but.	1 "	12		

MILK.

Inspector's Report. (Is not an expression of opinion).	Results of Analysis.					No. of Sample.	Remarks and Opinion of the Chief Analyst.
	Sp. Gr. at 20° C.	Total Solids.	Fat.	Non-fat Solids.	R.*			Cleanliness.

R. J. WAUGH, INSPECTOR.

		p. c.	p. c.	p. c.				
.....	1-0320	12.80	4.13	8.67	.....	Dirt present	54071	Genuine, but not clean.
.....	1-0335	13.42	4.12	9.30	.....	"	54072	" "
.....	1-0335	12.52	3.53	8.99	.....	"	54073	" "
.....	1-0390	11.72	3.77	7.95	.....	"	54074	Non-fat solids low, and clean. Doubtful.
.....	1-0315	15.75	6.86	8.89	.....	"	54075	Genuine, but not clean.
.....	1-0310	13.13	4.23	8.90	.....	"	54076	" "
.....	1-0320	15.22	5.93	9.29	.....	"	54077	" "
.....	1-0320	12.92	4.08	8.84	.....	"	54078	" "
.....	1-0285	13.40	5.75	7.65	.....	"	54079	Non-fat solids low, and clean. Doubtful.
.....	1-0320	12.65	3.89	8.76	.....	"	54080	Genuine, but not clean.

JOHN C. FERGUSON, INSPECTOR.

		p. c.	p. c.	p. c.				
.....	1-0322	13.70	4.78	8.92	.....	Clean.	66056	Genuine.
.....	1-0320	13.12	4.34	8.78	.....	"	66057	"
.....	1-0315	13.20	4.49	8.71	.....	"	66058	"
.....	1-0320	13.14	4.40	8.74	.....	"	66059	"
.....	1-0325	13.27	4.26	9.01	.....	"	66060	"
.....	1-0320	13.40	4.61	8.79	.....	Slight dirt.	66061	"
.....	1-0327	12.51	3.69	8.82	.....	"	66062	"
.....	1-0310	12.07	3.83	8.24	.....	"	66063	"
.....	1-0318	13.00	4.17	8.83	.....	Dirt present.	66064	Genuine, but dirty
.....	1-0320	12.65	4.08	8.57	.....	Clean.	66065	"

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

.....	1-0320	11.20	2.71	8.49	.....	Dirt present.	56375	Fat too low, and dirty. Adulterated.
.....	1-0315	13.82	5.10	8.72	.....	"	56376	Genuine, but dirty.
.....	1-0345	14.02	4.29	9.73	.....	Clean.	56377	Genuine.

* Immersion Refractometer reading on Milk Serum at 20° C.

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 QUEBEC CITY—

1915.							
May	3 Lait.....	56378	Edmond Leclerc, Petite Riviere.	1 Pte	12		
"	3 ".....	56379	Arthur Giguere, Les Saulds.	1 " ..	10		
"	4 ".....	55380	Ignace Verret, Rang Sillery.	1 " ..	10		
"	4 ".....	56381	Joseph Paquet, Rang Sillery.	1 " ..	12		
"	4 ".....	56382	Jacques Robitaille, Les Saulds.	1 " ..	12		
"	4 ".....	56383	Michael Denis, Les Saulds.	1 " ..	12		
"	4 ".....	56384	Melste Dubuc, Les Saulds.	1 " ..	12		

DISTRICT OF QUEBEC—

May	2 Lait.....	3839	F. X. Demers, St. Malo.	1 Pte	15		
"	2 ".....	3846	E. Juneau, St. Malo.	1 " ..	15		
"	3 ".....	3847	F. X. Latulipe, Charlebourg.	1 " ..	15		
"	7 ".....	3848	J. N. Dagnault, St. Joseph, Levis.	1 " ..	15	Vendor.....	
"	8 ".....	3849	L. Poire, St. Joseph, Levis.	1 " ..	15		
"	10 ".....	3850	A. Turgeon, St. Joseph, Levis.	1 " ..	15		
"	28 ".....	3851	O. Samson, St. Joseph, Levis.	1 " ..	15		
"	11 ".....	3852	O. Cote, St. Joseph, Levis.	1 " ..	15		
"	12 ".....	3853	P. Dumas, St. Joseph, Levis.	1 " ..	15		
"	14 ".....	3854	E. Riviere, Ste. Fois, Quebec.	1 " ..	15		
"	4 ".....	3547	Arthur Labbe, Ste. Magloire.	1 chop	3		
"	5 ".....	3550	Jos. Labbe, Ste. Magloire.	1 " ..	3		
"	7 ".....	3557	Alfred Gagne, St. Damien.	1 " ..	3		
"	8 ".....	3564	Marcel Lapierre, Ste. Charles.	1 " ..	3		
"	8 ".....	3565	Wilfrid Roy, Ste. Charles.	1 " ..	3		
"	10 ".....	3571	Andre Audet, Armagh.	1 " ..	3		
"	10 ".....	3573	Francois Cote, Armagh.	1 " ..	3		
"	10 ".....	3575	Adolphe Turgeon, Armagh.	1 " ..	3		
"	10 ".....	3580	Donat Brochu, Armagh.	1 " ..	3		
"	10 ".....	3582	Lucien Bernard, Armagh.	1 " ..	3		

MILK.

Inspector's Report. (Is not an expression of opinion).	Results of Analysis.						No. of Sample	Remarks and Opinion of the Chief Analyst.
	Sp. Gr. at 20° C.	Total Solids.	Fat.	Non fat Solids.	R.*	Cleanliness.		

Included.

1-0310	13.91	5.23	8.68	.....	Clean	56378	Genuine.
1-0315	12.65	4.10	8.55	.....	"	56379	"
1-0330	13.18	4.32	8.86	.....	Dirty.	56380	but dirty.
1-0315	13.12	4.26	8.86	.....	Clean.	56381	"
1-0285	19.32	11.22	8.10	.....	Dirt present.	56382	but dirty.
1-0325	12.40	3.92	8.58	.....	Clean.	56383	"
1-0320	14.30	5.18	9.12	.....	"	56384	"

J. E. AUDET, O. BROCHU, N. CADIEUX, T. GENDREAU, TEMPORARY INSPECTORS.

1-0303	11.60	2.79	8.83	42.2	Clean	3339	Fat too low. Adulterated.
1-0315	11.22	2.27	8.95	42.2	"	3846	" "
1-0321	12.23	2.81	9.42	43.5	"	3347	" "
1-0311	12.35	3.35	9.00	43.8	"	3448	Genuine.
1-0312	12.91	3.75	9.16	42.1	"	3849	"
1-0311	13.53	4.39	9.14	42.9	"	3850	"
1-0314	12.48	3.32	9.16	42.5	"	3851	"
1-0292	11.49	2.47	9.02	43.8	"	3852	Fat too low. Adulterated.
1-0297	11.23	2.08	9.15	42.9	"	3853	"
1-0290	11.82	2.79	9.03	42.5	"	3854	" "
1-0321	10.11	1.29	8.82	43.3	"	3547	Fat much too low. Adulterated.
1-0315	10.21	1.32	8.89	42.9	"	3550	" "
1-0319	14.32	4.64	9.68	44.7	"	3557	Genuine.
1-0296	11.66	2.78	8.88	43.1	"	3564	Fat too low. Adulterated.
1-0285	11.64	2.83	8.81	43.0	"	3565	" "
1-0291	12.97	3.84	9.13	43.6	"	3571	Genuine.
1-0331	12.06	3.00	9.06	43.2	"	3573	"
1-0310	13.29	4.12	9.17	42.2	"	3575	"
1-0342	12.45	2.48	9.98	44.3	"	3580	Fat too low. Adulterated.
1-0304	16.08	6.51	9.57	44.4	"	3582	Genuine.

*Immersion refractometer reading on milk serum at 20° C.

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 QUEBEC—

1915.								
April 29	Lait.	277	François Lebeau, St. Jerome.	1 chop	5			
" 29	"	278	Hyacinthe Bastien, St. Jerome.	1 "	5			
" 29	"	279	Evalephat Marcotte, St. Jerome.	1 "	5			
May 4	"	288	Wilfred Groux, Ste Agathe des Monts.	1 "	5			
" 4	"	289	Vidime Baulme, Ste Agathe des Monts.	1 "	5			
April 24	"	2757	Jos. Gaye, Montmagny.	1 pte.	7	Vendor		
" 24	"	2758	Louis Fetu, St. Thomas.	1 "	7	"		
" 24	"	2759	Adelard Ganiach, Montmagny.	1 "	7	"		
" 26	"	2760	Jos. Beaumont, St. Thomas.	1 "	7	"		
" 26	"	2761	Eg. Bernatchez, Montmagny.	1 "	7	"		

DISTRICT OF THREE RIVERS—

May 3	Milk	67948	Ludger Peltier, Joliette.	1 qt.	6	Vendor		
" 3	"	67949	Joseph Coderre	1 "	6	De Blais & Ducharme		
" 3	"	67950	Dolphis Perrault, Joliette.	1 "	6	St. Ch. Borromee.		
" 3	"	67951	Samuel Vessot, "	1 "	6	J. L. Basinet, St. Paul de Joliette.		
" 3	"	67953	Napoleon Coutu, "	1 "	6	Vendor		
" 5	"	67954	L. H. Coulombe, Berthierville.	1 "	6	Nadenu & Jetti, St. Chas. Borromee.		
" 6	"	67955	Xavier Piche, "	1 "	6	Vendor		
" 22	"	67956	Raoul Lorrain, Charlemagne.	1 "	6	"		
" 22	"	67964	Egide Leveille, St. Paul L'Ermité.	1 "	10	"		
" 26	"	69104	L. Ed. Amyrault, L'Epiphanie.	1 "	6	"		

DISTRICT OF EASTERN TOWNSHIPS—

May 26	Milk	57956	J. O. Roy, Magog.	1 qt.	5			
" 26	"	57957	Delphis Dupuis, Magog.	1 "	5			
" 26	"	57958	Joseph Thisdell, Magog.	1 "	5			
" 26	"	57959	William Chaput, Magog.	1 "	5			

MILK.

Inspector's Report. (Is not an expression of opinion.)	Results of Analysis.					No. of Sample.	Remarks, and Opinion of the Chief Analyst.
	Sp. gr. at 20° C.	Total Solids.	Fat.	Non-fat Solids.	R°.			Cleanliness.

concluded.

.....	1·0319	13·28	4·13	9·15	44·3	Clean ..	277	Genuine.
.....	1·0310	13·42	4·52	8·90	43·8	" ...	278	"
.....	1·0319	13·04	3·89	9·15	44·1	" ...	279	"
.....	1·0326	12·07	2·95	9·12	43·7	" ...	288	Fat slightly low, pass as doubtful.
.....	1·0294	13·04	4·29	8·75	42·6	" ...	289	Genuine.
.....	1·0317	12·36	3·55	8·81	43·4	" ...	2757	"
.....	1·0320	14·12	4·75	9·37	43·8	" ...	2738	"
.....	1·0319	13·73	4·44	9·29	43·3	" ...	2759	"
.....	1·0302	13·47	4·35	9·12	41·7	" ...	2760	"
.....	1·0293	12·82	4·26	8·56	42·0	" ...	2761	"

Dr. V. P. LAVALLEE, INSPECTOR.

.....	1·0314	12·55	3·42	9·13	43·2	Clean .	67948	Genuine.
.....	1·0315	12·20	3·13	9·07	42·7	" ..	67949	"
.....	1·0299	11·80	3·07	8·73	43·2	" ..	67950	"
.....						" ..	67951	Not worked.
.....	1·0276	11·99	3·47	8·52	41·8	" ..	67953	Genuine.
.....	1·0300	12·16	2·97	9·19	44·2	" ..	67954	Fat slightly low, pass as doubtful.
.....	1·0282	12·22	3·05	9·17	44·0	" ..	67955	Genuine.
.....	1·0248	14·34	5·33	9·01	43·0	" ..	67956	"
.....	1·0267	14·44	5·43	9·01	42·6	" ..	67964	"
.....	1·0314	12·47	2·78	9·69	43·3	" ..	69101	Fat too low. Adulterated.

J. J. COSTIGAN, ACTING INSPECTOR.

.....	1·0308	13·33	4·11	9·22	43·0	Clean.	57956	Genuine.
.....	1·0277	11·15	3·21	7·94	40·1	"	57957	Non-fat solids slightly low. Doubtful.
.....	1·0316	12·74	3·59	9·15	44·1	"	57958	Genuine.
.....	1·0315	13·10	4·03	9·07	43·3	"	57959	"

*Immersion Refractometer reading on Milk Serum at 20° C.
 *Received in condition unfit for analysis.

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.							
May 26	Milk.....	57960	Alcide Goudreau, Magog.	1 qt..	5		
" 26	"	57961	Henri Chagnon, Magog..	1 " ..	5		
" 27	"	57962	L. B. Duquette, Megantic.	1 " ..	6		
" 27	"	57963	Alphonse Boyer, Megantic.	1 " ..	6		
" 27	"	57964	Auguste Duquette, Megantic.	1 " ..	6		
" 27	"	57965	G. M. McClure, Megantic.	1 " ..	6		Adolphe Lemay, Megantic.

DISTRICT OF VALLEYFIELD—

June 10	Milk.	58178	O. Robert, Farnham....	1 qt..	6		
" 10	"	58179	A. D. Labrecque, Farnham.	1 " ..	6		
" 10	"	58180	Noah Chevalier, Farnham.	1 " ..	6		
" 10	"	58181	J. Molson, Farnham....	1 " ..	6		
" 17	"	58182	Z. Belisle, Longueuil....	1 " ..	8		
" 17	"	58183	A. Trudeau, Longueuil... 1 " ..	8			
" 17	"	58184	N. Aubin, Longueuil....	1 " ..	8		
" 17	"	58185	J. Lajeunesse, Longueuil.	1 " ..	8		
May 19	"	58176	John A. McDonald, Alexandria.	1 " ..	5		
" 19	"	58177	Geo. A. Charlebois, Alexandria.	1 " ..	5		

DISTRICT OF MONTREAL—

May 19	Milk.....	67191	R. Blain, 1055 Lajoie st., Outremont.	1 qt..	8		A. C. Struthers...
" 19	"	67192	John McEwen, 2826 Hutchessn st., Outremont.	1 " ..	8	Vendor.	
" 19	"	67193	Jos. Deneau, 1641 Van Horne ave., Outremont.	1 " ..	8		E. H. Drolet.....
" 19	"	67194	A. Normandeau, 1199 Van Horne ave., Outremont.	1 " ..	8		J. J. Joubert....
" 19	"	67195	L. J. Chalifou, 785 Bloomfield ave., Outremont.	1 " ..	9		Mr. Quenville....
" 20	"	67196	Westminster Prov. Stores, 58 Westminster ave., Montreal W.	1 " ..	10		C. G. Hall.....

MILK.

Inspector's Report. (Is not an expression of opinion).	Results of Analysis.						No. of Sample.	Remarks and Opinion of the Chief Analyst.
	Sp. gr. at 20° C.	Total Solids.	Fat.	Non-fat Solids.	R.*	Cleanliness.		

Concluded.

.....	1-0312	12-18	3-34	8-84	43-2	Clean.	57960	Genuine.
.....	1-0310	12-93	3-74	9-19	43-5	"	57961	"
.....	1-0281	12-30	3-46	8-84	42-4	"	57962	"
.....	1-0301	13-56	4-43	9-13	44-6	"	57963	"
.....	1-0306	12-95	3-73	9-22	43-9	"	57964	"
.....	1-0310	12-67	2-97	9-10	44-0	"	57965	Fat slightly low. Pass as doubtful.

J. J. COSTIGAN, ACTING INSPECTOR.

.....	1-0315	12-72	3-45	9-27	43-6	Clean.	58178	Genuine.
.....	1-0307	13-27	3-95	9-32	44-4	"	58179	"
.....	1-0283	13-20	4-24	8-96	43-4	"	58180	"
.....	1-0287	12-44	3-66	8-78	42-0	"	58181	"
.....	1-0307	11-82	2-96	8-86	41-8	"	58182	Fat slightly low. Pass as doubtful.
.....	1-0307	12-37	3-30	9-07	42-4	"	58183	Genuine.
.....	1-0311	13-06	3-99	9-07	42-8	"	58184	"
.....	1-0305	12-31	3-33	8-93	43-0	"	58185	"
.....	1-0320	11-56	2-55	9-01	43-0	"	58176	Fat too low. Adulterated.
.....	1-0320	12-65	3-42	9-23	43-0	"	58177	Genuine.

D. J. KEARNEY, INSPECTOR.

.....	1-0314	12-74	3-64	9-10	42-5	Clean.	67191	Genuine.
.....	1-0308	12-47	3-40	9-07	43-3	"	67192	"
.....	1-0304	12-60	3-46	9-14	43-6	"	67193	"
.....	1-0305	12-90	3-73	9-17	43-9	"	67194	"
.....	1-0311	12-64	3-46	9-13	44-0	"	67195	"
.....	1-0307	13-07	3-97	9-10	43-0	"	67196	"

* Immersion Refractometer reading on milk serum at 20° C.

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 MONTREAL—

1915.							
May 20	Milk.....	67197	A. E. Collins, 44 West- minster ave., Montreal W.	1 qt..	9		W. H. Bradley....
" 20	"	67198	Limoges Bros., 2000 Hutcheson st., Outre- mont.	1 "	8		Mr. Lemire
" 20	"	67199	A. Gadbois, 2298 Hutche- son st., Outremont.	1 "	6		H. Lecavalier
" 20	"	67200	P. Clarest, 1150 Lajoie st., Outremont.	1 "	8		Hydreine Pure Milk Co.

DISTRICT OF OTTAWA—

April 22	Milk....	63613	Beechwith Dairy, Smith's Falls.	1 qt..	10	Vendors.....	
" 22	"	63614	Rideau Dairy, Smith's Falls.	1 "	10	"	
" 22	"	63615	J. E. Edmrs, Smith's Falls.	1 "	10	Vendor	
" 24	"	63616	W. A. Gogo, Morrisburg.	1 "	10	"	
" 24	"	63617	S. J. Casselman, Morris- burg.	1 "	10	"	
" 24	"	63619	James McKenzie, Morris- burg.	1 "	10	"	
" 24	"	63620	M. L. Casselman, Morris- burg.	1 "	10	"	
" 26	"	63622	S. Holmes, Renfrew.....	1 "	10	"	
" 27	"	63623	M. J. O'Brien, Renfrew..	1 "	10	"	
" 27	"	63626	Jas. Shields, Renfrew....	1 "	10	"	

DISTRICT OF KINGSTON—

Apr. 26	Milk.....	66549	Wm. Simms, Bath Road	1 qt..	7	Vendor	
" 27	"	66550	Fred Lovelace, Yarker...	1 "	5	"	
" 27	"	66551	Manson Lee, Yarker.....	1 "	5	"	
" 27	"	66552	J. S. Brown, Yarker.....	1 "	5	"	
" 27	"	66553	John Emberly, Yarker...	1 "	5	"	
" 27	"	66554	R. Cure, Yarker.....	1 "	5	"	
" 27	"	66555	George Lee, Yarker	1 "	5	"	
" 27	"	66556	James Warner, Yarker...	1 "	5	"	
" 27	"	66557	Damon Carroll, Yarker...	1 "	5	"	
" 27	"	66558	Tommy Silver, Yarker....	1 "	5	"	

MILK.

Inspector's Report. (Is not an expression of opinion).	Results of Analysis.					No. of Sample.	Remarks and Opinion of the Chief Analyst.
	Sp. gr. at 20° C.	Total Solids.	Fat.	Non-fat Solids.	R.*			Cleanliness.

Concluded.

		p. c.	p. c.	p. c.				
.....	1-0287	14.37	5.64	8.73	42.8	Clean.	67197	Genuine.
.....	1-0323	12.00	2.76	9.24	43.2	"	67198	Fat too low. Adulterated.
.....	1-0248	18.27	9.93	8.34	41.8	"	67199	Genuine.
.....	1-0315	12.70	3.44	9.26	42.0	"	67200	"

J. A. RICKEY, INSPECTOR.

.....	1-0302	11.66	3.17	8.49	42.2	Clean.	63613	Genuine.
.....	1-0305	11.45	3.99	8.46	42.0	"	63614	"
.....	1-0309	11.50	2.91	8.59	42.7	"	63615	Fat slightly low. Pass as doubtful.
.....	1-0304	12.16	3.56	8.60	43.2	"	63616	Genuine.
.....	1-0312	11.71	2.99	8.72	42.7	"	63617	Fat slightly low. Pass as doubtful.
.....	1-0277	14.18	5.94	8.24	42.4	"	63619	Genuine.
.....	1-0302	12.02	3.38	8.64	42.7	"	63620	"
.....	1-0290	12.07	3.70	8.37	42.4	"	63622	"
.....	1-0293	13.16	4.58	8.58	42.7	"	63623	"
.....	1-0303	12.27	3.60	8.67	43.3	"	63626	"

JAMES HOGAN, INSPECTOR.

.....	1-0290	11.00	2.87	8.13	49.2	Clean	66549	Fat too low; also non-fat solids. Adulterated.
.....	1-0365	12.70	2.44	9.26	45.0	"	66550	Fat too low. Adulterated.
.....	1-0315	12.58	3.61	8.97	43.6	"	66551	Genuine.
.....	1-0314	13.18	4.14	9.04	43.7	"	66552	"
.....	1-0313	12.95	3.87	9.08	44.0	"	66553	"
.....	1-0282	13.98	5.67	8.31	42.2	"	66554	"
.....	1-0336	12.59	3.26	9.33	43.0	"	66555	"
.....	1-0312	12.33	3.47	8.86	43.5	"	66556	"
.....	1-0320	13.51	4.03	9.48	44.8	"	66557	"
.....	1-0341	10.67	1.54	9.13	43.7	"	66558	Fat much too low. Adulterated.

* Immersion refractometer reading on milk serum at 20° C.

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 TORONTO—

1915.							
May	11	Milk.....	67039	W. Lewis, Stouffville.....	1 qt.	7	Farmers, Stouffville.....
"	11	"	67040	Ira Russell, Stouffville... 1 "	7	7	D. H. Russell, Stouffville.....
"	11	"	67041	H. Lilley, Markham..... 1 "	6	6	Vendor.....
"	12	"	67042	W. C. Hogg, Uxbridge... 1 "	7	7	".....
"	12	"	67043	N. R. Phair, Uxbridge... 1 "	7	7	".....
"	12	"	67044	Chas. McArthur, Port Perry..... 1 "	6	6	George Lyle, Port Perry.....
"	13	"	67045	J. & A. Jardine, Beaverton..... 1 "	6	6	Vendor.....
"	14	"	67046	H. Fallowfield, Waubashene..... 1 "	6	6	".....
"	15	"	67047	H. Hilcox & Sons, Midland..... 1 "	6	6	".....
"	15	"	67048	C. A. Scott..... 1 "	8	8	".....
"	14	"	67061	J. B. Jamieson, Orillia... 1 "	8	8	Vendor and neighbour.....

DISTRICT OF HAMILTON—

April	27	Milk.....	66968	W. B. Mitchell, Fergus... 1 qt.	6	6	Vendor.....
"	27	"	66969	A. Howalt, Fergus..... 1 "	6	6	".....
"	27	"	66970	T. H. Brown, Palmerston 1 "	8	8	".....
"	28	"	66971	Geo. Beley, Mt. Forest... 1 "	7	7	".....
"	28	"	66972	E. C. Callaway, Mt. Forest 1 "	8	8	".....
"	28	"	66973	C. o. Davidson, Mt. Forest 1 "	7	7	".....
"	29	"	66974	N. Oppertshauer, Mildmay..... 1 "	7	7	Vendor and a neighbour.....
"	30	"	66975	G. W. Vandervet, Chasley 2 pts.	7	7	".....
May	4	"	66976	J. W. Wilson, Oakville... 1 qt.	8	8	John Wilson, Jr., Oakville.....
"	4	"	66977	S. G. Powley, Oakville... 1 "	8	8	Biger Bros. & G. H. King, Oakville.....

DISTRICT OF WINDSOR—

May	4	Milk.....	54697	Thos. Bolton, R.R. No. 2, Mandamin..... 1 qt.	Nil.	Nil.	Vendor.....
"	4	"	54698	Ph. Roberts, Sarnia Tunnel..... 3 Bots	"	"	".....
"	4	"	54609	Josiah Smith, Sarnia..... 3 "	5	5	".....
"	1	"	54610	R. Kemleer, R.R. No. 1, Sarnia..... 3 "	5	5	".....

MILK.

Inspector's Report. (Is not an expression of opinion.)	Results of Analysis.						No. of Sample.	Remarks and Opinion of the Chief Analyst.
	Sp. Gr. at 20° C.	Total solids.	Fat.	Non-fat solids.	R.°	Clearliness.		

H. J. DAGER, INSPECTOR.

		p.c.	p.c.	p.c.				
.....	1-0305	11.62	2.59	9.03	42.8	Clean.	67039	Fat too low. Adulterated.
.....	1-0307	11.69	2.46	9.23	43.0	"	67040	" "
.....	1-0280	11.12	2.87	8.25	40.0	"	67041	Fat too low; also non-fat solids. Doubtful.
.....	1-0331	11.76	2.30	9.46	43.8	"	67042	Fat too low. Adulterated.
.....	1-0318	12.01	2.59	9.42	43.4	"	67043	" "
.....	1-0303	11.88	2.61	9.27	42.5	"	67044	" "
.....	1-0310	11.62	2.87	8.75	42.9	"	67045	" Doubtful.
.....	1-0333	12.68	3.22	9.46	43.7	"	67046	Genuine.
.....	1-0331	13.47	3.87	9.60	44.6	"	67047	"
.....	1-0262	11.76	3.99	7.77	38.9	"	67048	Non-fat solids low. Doubtful.
.....	1-0289	12.74	3.47	9.27	43.7	"	67061	Genuine.

H. J. DAGER, ACTING INSPECTOR.

.....	1-0306	12.96	4.13	8.83	43.3	Clean...	66968	Genuine.
.....	1-0315	12.83	3.87	8.96	43.0	" ..	66969	"
.....	1-0312	11.99	3.37	8.62	42.3	" ..	66970	"
.....	1-0327	13.36	4.02	9.34	45.0	" ..	66971	"
.....	1-0298	11.85	3.28	8.57	42.7	" ..	66972	"
.....	1-0293	11.09	2.95	8.14	40.6	" ..	66973	Fat slightly low; also non-fat solids, doubtful.
.....	1-0274	9.98	2.41	7.57	38.4	" ..	66974	Fat too low; also non-fat solids adulterated.
.....	1-0310	11.81	3.11	8.70	41.4	" ..	66975	Genuine.
.....	1-0321	12.61	3.48	9.13	43.3	" ..	66976	"
.....	1-0315	11.79	3.00	8.79	42.0	" ..	66977	"

JOHN TALBOT, INSPECTOR.

.....	1-0315	13.71	4.51	9.20	44.0	Clean ..	54607	Genuine.
.....	1-0305	12.67	3.78	8.89	43.0	" ..	54608	"
.....	1-0327	13.21	3.81	9.40	43.2	" ..	54609	"
.....	1-0316	12.05	3.15	8.90	43.3	" ..	54610	"

Immersion Refractometer reading on Milk Serum at 20° C.

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.									
May	4	Milk.....	54611	R. B. Bauthamer, Sarnia.	3	bots.	5	John McGuinness, Field & Parson, Sarnia Genl. Delivery.	
"	4	"	54612	A. Hughes, R.R. No. 2, Sarnia.	3	"	Nil.	Vendor.....	
"	5	"	54616	D. Evans, Petrolia.....	3	"	6	"	
"	5	"	54617	F. Stinson, Petrolia	3	"	5		Mr. Prudine & Mr. Irwin, Petrolia.
"	5	"	54618	R. H. Drope, Petrolia....	3	"	Nil.	Vendor.....	

DISTRICT OF MANITOBA—

May	19	Milk	61301	M. L. McDonald, Minnedota.	1	qt	10	Vendor.....	
"	19	"	61302	Rex Dyer, Minnedosa...	1	"	10	"	
"	19	"	61303	C. E. Lawson, Minnedosa	1	"	10	"	
"	21	"	61304	Crescent Creamery Co., Winnipeg.	1	"	10		
"	21	"	61305	Sturgeon Creek Dairy, St. James.	1	"	10		
"	21	"	61306	E. Goodchild, St. James.	1	"	10		
"	26	"	61307	J. E. Redmond, Souris	1	"	nil.		
"	27	"	61308	H. Neabitt, " "	1	"	10		
"	27	"	61309	J. T. English, " "	1	"	nil.		
"	27	"	61310	James McCulloch, " "	1	"	"		
"	27	"	61323	J. E. Redmond, " "	1	"	10		

DISTRICT OF SASKATCHEWAN—

April	20	Milk.	66366	S. G. Johnston, Gull Lake	1	qt.	10	Vendor.	
"	29	"	66366	P. C. Colquhan, Maple Creek.	1	"	10	"	
"	29	"	66367	E. J. Ferraley, Maple Creek.	1	"	10	"	
May	4	"	66378	W. H. Keys, Pense....	1	"	10	"	
"	4	"	66379	E. C. Dyers, " "	1	"	10	"	
"	4	"	66389	W. Dawson, " "	1	"	10	"	
"	5	"	66384	M. Wilkinson, Lumsden.	1	"	10	"	

MILK.

Inspector's Report. (Is not an expression of opinion).	Results of Analysis.						No. of Sample.	Remarks and Opinion of the Chief Analyst.
	Spc. gr. at 20° C.	Total Solids.	Fat.	Non-fat Solids.	R*	Cleanliness.		

Concluded.

.....	1-0314	p.c. 12.93	p.c. 3.88	p.c. 9.05	42.5	Clean ...	54611	Genuine.
.....	1-0288	15.01	5.69	9.32	44.0	" ..	54612	"
.....	1-0322	12.42	3.36	9.06	44.2	" ..	54616	"
.....	1-0321	12.27	3.22	9.05	43.6	" ..	54617	"
.....	1-0299	13.35	4.60	8.75	42.5	" ..	54618	"

A. C. LARIVIERE, INSPECTOR.

.....	1-0305	12.27	3.53	8.74	.....	Clean ...	61301	Genuine
.....	1-0321	12.49	3.71	8.78	.....	" ..	61302	"
.....	1-0308	12.17	3.40	8.77	.....	" ..	61303	"
.....	1-0297	12.28	3.76	8.52	.....	" ..	61304	"
.....	1-0297	11.93	3.12	8.81	.....	" ..	61305	"
.....	1-0290	13.04	4.07	8.97	.....	" ..	61306	"
.....	1-0296	13.08	4.12	8.96	.....	" ..	61307	"
.....	1-0310	13.08	3.83	9.25	.....	" ..	61308	"
.....	1-0303	12.75	3.74	9.01	.....	" ..	61309	"
.....	1-0307	13.08	3.90	9.18	.....	" ..	61310	"
.....	1-0288	13.83	4.10	9.73	.....	" ..	61323	"

L. H. HALL, INSPECTOR.

.....	1-0318	12.57	3.36	9.21	43.2	Clean ...	66360	Genuine
.....	1-0268	13.68	5.33	8.35	41.3	" ..	66366	"
.....	1-0303	14.15	5.08	9.07	41.5	" ..	66367	"
.....	1-0324	12.93	3.66	9.27	43.8	" ..	66378	"
.....	1-0334	12.71	3.29	9.42	43.5	" ..	66379	"
.....	1-0307	11.93	3.07	8.86	43.2	" ..	66380	"
.....	1-0321	12.22	3.25	8.97	43.2	" ..	66384	"

* Immersion Refractometer reading on Milk Serum at 20°C.

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 SASKATCHEWAN—

1915.							
May	5	Milk.....	66385	F. H. Cochrane, Lumsden	1 qt.	10	Vendor.....
"	7	".....	66390	J. E. Steele, Drinkwater	1 "	10	".....
"	7	".....	66391	R. McConneli, Drink-water.	1 "	10	".....

DISTRICT OF ALBERTA—

June	9	Milk.....	52172	John Whitney, Langdon	1 qt.	10	Vendor.....
"	10	".....	52173	Katherine Stephens.....	1 "	10	".....
"	10	".....	52174	Hugh Williams, Strathmore.	1 "	10	".....
"	11	".....	52175	Jos. Botton, Strathmore.	1 "	10	".....
"	12	".....	52176	C. A. Millie, Gleichen....	1 "	10	".....
"	12	".....	52177	Wm. Walsh, Gleichen....	1 "	10	".....
"	12	".....	52178	Mrs. W. R. Payne, Gleichen	1 "	10	".....
"	14	".....	52179	Geo. Yates, Bassano....	1 "	10	".....
"	14	".....	52180	Albert Davies, Brooks....	1 "	10	".....
"	15	".....	52181	Norman Stafford, Brooks.	1 "	10	".....

DISTRICT OF ROCKY MOUNTAINS—

April	26	Milk.....	61796	A. Schnaebele, Trail.....	1 qt.	10	Vendor.....
"	26	".....	61797	J. Quinstrom, Trail.....	1 "	10	".....
"	26	".....	61798	J. Hintz, Trail.....	1 "	10	".....
May	20	".....	61808	Atchisons Dairy, Cranbrook.	1 "	10	".....
"	20	".....	61809	T. E. Austin, Cranbrook	1 "	10	".....
"	20	".....	61810	W. B. Bardgeth, Cranbrook.	1 "	10	".....
June	10	".....	61825	R. A. Upper, Revelstoke.	1 "	10	".....
"	10	".....	61826	C. Granstrom, Rivelstoke.	1 "	10	".....
"	10	".....	61827	A. G. Carlson, Rivelstoke.	1 "	10	".....

MILK.

Inspector's Report. (Is not an expression of opinion)	Results of Analysis.					No. of Sample.	Remarks and Opinion of the Chief Analyst.
	Sps. gr. at 29°C.	Total Solids.	Fat.	Non-fat Solids.	R°			Cleanliness.

Concluded.

		p. c.	p. c.	p. c.				
.....	1-0266	14.47	3.30	8.17	41.1	Clean...	66385	Genuine.
.....	1-0318	12.22	3.03	9.19	41.4	" ..	66390	
.....	1-0294	12.59	3.82	8.77	40.7	" ..	66391	"

A. W. R. MARKLEY, INSPECTOR.

Sold in sealed bottles.	1-0307	11.47	3.48	7.99	40.1	.....	52172	Non-fat solids slightly low. Pass as doubtful.
" bulk	1-0344	13.71	3.98	9.73	.....	.....	52173	Genuine.
" sealed bottles.	1-0311	13.41	4.44	9.00	.....	.....	52174	"
" "	1-0327	12.38	3.31	9.07	43.3	.....	52175	"
" bulk	1-0315	12.01	3.29	8.72	43.3	.....	52176	"
" bulk & bottles.	1-0304	13.09	4.27	8.82	.....	.....	52177	"
" "	1-0332	13.27	3.91	9.36	.....	.....	52178	"
" "	1-0318	13.18	3.98	9.20	.....	.....	52179	"
" bulk	1-0332	9.30	0.74	8.56	41.2	.....	52180	Fat very low. Adulterated.
" sealed bottles.	1-0329	14.40	4.77	9.63	.....	.....	52181	Genuine.

THOS. PARKER, INSPECTOR.

.....	1-0249	17.43	8.77	8.66	43.1	.....	61796	Genuine.
.....	1-0313	13.26	4.12	9.14	43.8	.....	61797	"
.....	1-0296	12.47	3.89	8.58	42.2	.....	61798	"
.....	1-0315	14.40	5.46	8.94	.....	.....	61808	"
.....	1-0320	13.67	4.55	9.12	.....	.....	61809	"
.....	1-0325	12.94	4.23	8.66	.....	.....	61810	"
.....	1-0321	12.08	3.36	8.72	.....	.....	61825	"
.....	1-0313	12.49	3.46	9.03	.....	.....	61826	"
.....	1-0306	12.79	3.67	9.12	.....	.....	61827	"

*Immersion Refractometer reading on Milk Serum at 2° C.

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 VANCOUVER—

1915.							
June	2	Milk.	55285	Eburne Dairy, Eburne....	1 qt..	10	Vendor
"	2	"	55286	Eburne Creamery, Eburne.	1 " ..	10	D. McKay, Lulu Island
"	2	"	55287	J. M. Steves, Steveston..	1 " ..	10	Vendor
"	4	"	55288	Chas. Hawthorne, Chilliwack.	1 " ..	10	"
"	4	"	55289	Chilliwack Creamery Chilliwack.	1 " ..	10	"
"	4	"	55290	Chas. Robinson, Mission.	1 " ..	10	"
"	4	"	55291	Mrs. H. Windebank, Mission.	1 " ..	10	"
"	5	"	55292	A. Davie, Ladner	1 " ..	10	"
"	7	"	55293	Port Coquitlam Dairy Co., Port Coquitlam.	1 " ..	10	Minnekalda Ranch, Port Coquitlam, Vendor
"	9	"	55294	H. Bradshaw, White Rock.	1 " ..	10	Vendor

DISTRICT OF VICTORIA—

May	19	Milk.....	66701	James Watson, Harward, Nanaimo.	1 qt..	10	.....
"	19	"	66702	Wm. Reynolds, Protection Island, Nanaimo.	1 " ..	10	.....
"	19	"	66703	J. J. Dickinson, Harward, Nanaimo.	1 " ..	10	.....
"	19	"	66704	John Watson, Harward, Nanaimo.	1 " ..	10	.....
"	19	"	66705	Geo. Rains, Delta, Cranberry District, V.I.	1 " ..	19	.....
"	19	"	66706	T. L. Brown, East Wellington, Mountain Dist.	1 " ..	10	.....
"	20	"	66707	Louis Grouhel, Lady Smith.	1 " ..	10	.....
"	20	"	66708	W. A. Gosier, Lady Smith.	1 " ..	10	.....
"	20	"	66709	John Ramont, Duncan, V.I.	1 " ..	10	.....

MILK.

Inspector's Report. (Is not an expression of opinion).	Results of Analysis.						No. of Sample.	Remarks and Opinion of the Chief Analyst.
	Sp. Gr. at 20° C.	Total Solids.	Fat.	Non-fat Solids.	H. ⁺	Cleanliness.		

E. J. MORGAN, INSPECTOR.

		p. c.	p. c.	p. c.				
.....	1-0312	12.31	3.61	8.73	.....	.....	55285	Genuine.
.....	1-0295	11.42	3.23	8.19	40.0	.....	55286	Non-fat solids low. Doubtful.
.....	1-6327	12.21	2.92	9.29	.....	.....	55287	Fat slightly low. Pass as doubtful.
.....	1-0317	13.50	4.33	9.17	.....	.....	55288	Genuine.
.....	1-0313	12.90	3.86	9.04	.....	.....	55289	"
.....	1-0296	13.13	4.35	8.78	.....	.....	55290	"
.....	1-0327	14.24	4.58	9.66	.....	.....	55291	"
.....	1-0315	13.00	3.83	9.17	.....	.....	55292	"
.....	1-0302	11.71	3.57	8.14	10.2	.....	55293	Non-fat solids low. Doubtful.
.....	1-0325	12.68	3.71	8.97	.....	.....	55294	Genuine.

D. O'SULLIVAN, INSPECTOR.

.....	1-0257	18.29	9.85	8.44	.....	.....	66701	Genuine.
.....	1-0334	11.50	2.48	9.02	42.0	.....	66702	Fat low. Adulterated.
.....	1-0315	12.76	3.89	8.87	.....	.....	66703	Genuine.
.....	1-0277	14.33	5.96	8.37	.....	.....	66704	"
.....	1-0323	12.70	3.91	8.79	.....	.....	66705	"
.....	1-0306	12.71	3.99	8.72	.....	.....	66706	"
.....	1-0280	10.49	2.67	7.82	38.3	.....	66707	Solids too low. Adulterated.
.....	1-0301	11.76	3.28	8.42	11.1	.....	66708	Genuine.
.....	1-0316	12.40	3.68	8.72	41.5	.....	66709	"

Immersion Refractometer reading on Milk Serum at 20° C.

