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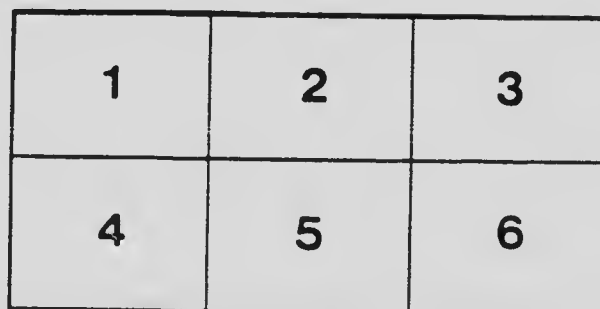
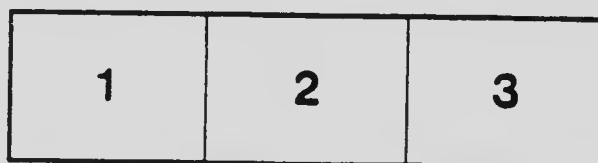
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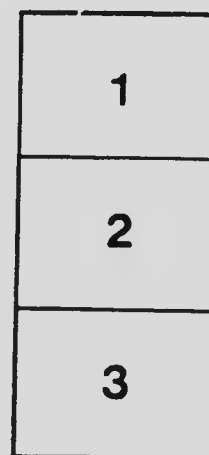
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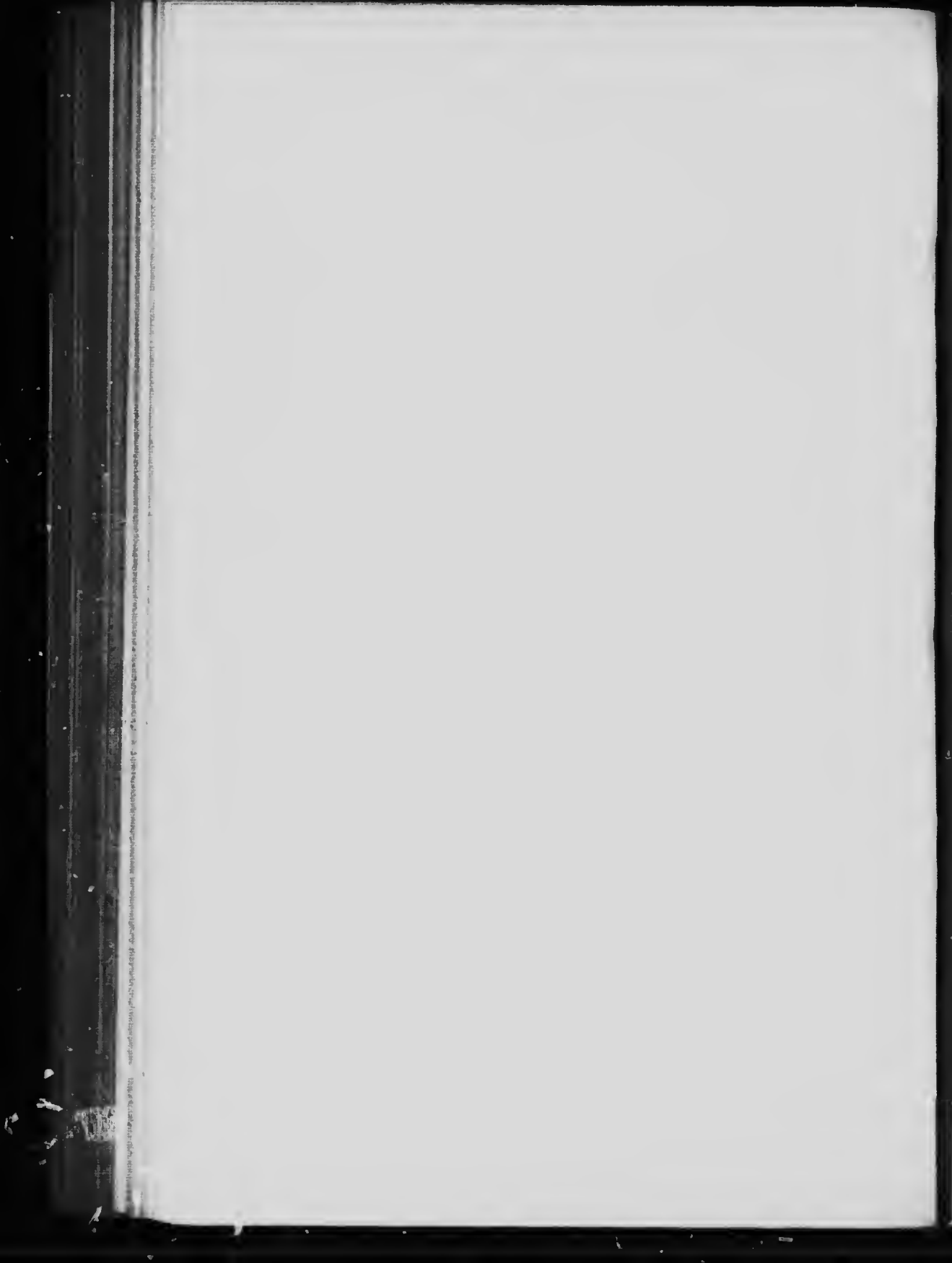
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LABORATORY
OF THE
INLAND REVENUE DEPARTMENT
OTTAWA, CANADA
BULLETIN No. 237
LARD.

LABORATORY
OF THE
INLAND REVENUE DEPARTMENT
OTTAWA, CANADA

BULLETIN No. 237

LARD

WM. HIMSWORTH, Esq.,
Ass't Deputy Minister, Inland Revenue Dept.,
Ottawa.

OTTAWA, May 13, 1912.

SIR,—I beg to report upon 268 samples purchased as lard during the months of October and November of last year. These samples have been examined as regards their genuineness from the point of view of their conformity to the requirements of an Order-in-Council in effect from November 22, 1910, which defines lard as follows:—

1. Lard is the rendered fresh fat from hogs in good health at the time of slaughter, is clean, free from rancidity, and contains, necessarily incorporated in the process of rendering, not more than one (1) per cent, of substances other than fatty acids and fat.

2. Leaf lard is lard rendered at moderately high temperatures from the internal fat of the abdomen of the hog, excluding that adherent to the intestines, and has an iodine number not greater than sixty-five (65) and contains not more than one (1) per cent, of substances other than fatty acids and fat.

3. Compound lard; Lard compound, etc., is a mixture of animal and vegetable fats and oils. It must be free from rancidity, be made from sound and pure materials, and contain not more than one (1) per cent of substances other than fatty acids and fat.

The articles herein reported were sold to our inspectors as lard, with one exception, No. 45557, which was labelled as a compound.

It will be noted that allowance of only one per cent of substances other than fatty acids and fat, is common to all the grades of lard defined. Three samples of this collection contain an excess of water, but the amount is in two instances, so slightly beyond legal limits that it must be regarded as accidental. The cases in question are:—

No. 37312—Ingersoll Packing Co.	Water.
" 47376— " "	2·09
" 48472—P. Burns Co.	1·17
	1·14

Two samples sold as lard, contain cotton seed oil, and should have been sold as compound. These are No. 1389 and No. 38242.

All other samples, 262 in number, conform to the requirements of legal lard, and must be regarded as genuine.

It will be observed that many samples judged as genuine, give a distinct reaction with the Halphen test for cotton seed oil. I am convinced that the indications of this test considered by themselves, are not sufficiently positive to furnish a basis for pronouncing cotton seed oil present, with intent. Hogs which have been fed with cotton seed meal may yield a fat which gives the red coloration with Halphen's re-agent. Unless the absorption of iodine confirm the Halphen test, I do not regard the presence of cotton seed oil as established.

The last report upon lard was published as Bulletin 193, in December, 1909. On the whole, this article appears to be of good quality; and the occasional sale of a compound lard for the genuine is to be regarded rather as an act of carelessness on the part of the retail dealer, than as intentional on the part of the manufacturer. Our inspection shows that manufacturers of compound lard are careful to state correctly the nature of the article on the container.

I beg to recommend the publication of this report as Bulletin No. 237.

I have the honour to be, sir,

Your obedient servant,

A. MCGILL,
Chief Analyst.

BULLETIN No. 237—

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—

1911.							
Nov.	8 Lard.....	46741	R. B. Adams & Co., Halifax, N.S.	1 lb..	17	Swift Co., Chicago...	Davis & Fraser, Hal- ifax, N.S.
"	8 "	46742	P. T. Shea, Halifax, N.S.	1 " ..	20	J. Morrell, Ottumwa, U.S.	Mfr
"	8 "	46743	G. Hirshfield, Halifax, N.S.	1 " ..	14	Vendor .....	.....
"	8 "	46744	Thos. Spry, Halifax, N.S.	1 " ..	17	" .....	.....
"	9 "	46745	J. A. Leaman & Co., Halifax, N.S.	1 " ..	18	Vendors .....	.....
"	9 "	46746	A. L. Doyle & Co., Halifax, N.S.	1 " ..	17	" .....	.....
"	9 "	46747	T. J. Brown, Halifax, N.S.	1 " ..	18	Swift Co., Chicago...	Wentzells Ltd., Halifax, N.S.
"	9 "	46748	W. C. DeTay, Halifax, N.S.	1 " ..	18	Wm. Davies, Co., Toronto.	Davis & Fraser, Hal- ifax, N.S.
"	9 "	46749	F. S. Short, Halifax, N.S.	1 " ..	18	F. W. Fearman, Ham- ilton.	Mfr
"	10 "	46750	Ily. Cook, Halifax, N.S.	1 " ..	15	Vendor .....	.....
"	10 "	46751	J. H. Emmett, Halifax, N.S.	1 " ..	15	" .....	.....
"	10 "	46752	J. G. Mitchell, Halifax, N.S.	1 " ..	17	" .....	.....
"	10 "	46753	J. A. Bremner, Halifax, N.S.	1 " ..	18	Wm. Davies, Co., Toronto, Ont.	R. B. Caldwell, agent, Halifax, N.S.
"	13 "	46754	Davis & Fraser, Hal- ifax, N.S.	1 " ..	14	Vendors .....	.....
"	14 "	46755	O. Lyons, Kentville, N.S.	1 " ..	18	F. W. Fearman, Co., Hamilton, Ont.	Mfrs.
"	15 "	46756	S. L. Cross, Kentville, N.S.	1 " ..	18	Park Blackwell, Toro- nto, Ont.	"
"	16 "	46757	Dixon Ltd., Halifax, N.S.	1 " ..	17	Wm. Davies, Co., Toronto, Ont.	R. B. Caldwell, agent, Halifax, N.S.
"	16 "	46758	Shore & Campbell, Halifax, N.S.	1 " ..	18	Unknown	J. Crowe, Ltd., Halifax, N.S.
"	17 "	46759	S. Thomson, Dart- mouth, N.S.	1 " ..	16	F. W. Fearman, Toro- nto.	Mfrs.
"	17 "	46760	Forsyth, Jr., Dart- mouth, N.S.	1 " ..	18	"	"

DISTRICT OF PRINCE EDWARD ISLAND—

Oct.	16 Lard.....	46106	John McKenna, Char- lottetown, P.E.I.	1 lb..	18	Morris & Co., Chi- cago.	.....
"	16 "	46107	R. F. Maddigan & Co., Charlottetown, P.E.I.	1 " ..	18	Davis & Fraser, Char- lottetown, P.E.I.	.....
"	17 "	46108	S. Sanderson & Co., Charlottetown, P.E.I.	1 " ..	16	Lange, Montreal....	.....
"	18 "	46109	Stewart & Son, Char- lottetown, P.E.I.	1 " ..	16	Morris & Co., Chi- cago.	.....
"	21 "	46110	James Kennedy, Ken- sington, P.E.I.	1 " ..	17	Vendor .....	.....

LARD.

Inspector's Report. (Is not an expression of opinion.)	RESULT OF ANALYSIS.				No. of Sample.	Remarks and Opinion of the Chief Analyst.
	Water.	Iodine Number (Hanus).	Buoyro. Rec. fractometer at 40° C.	Ralphen Reaction.		

R. J. WAUGH, INSPECTOR.

	p.c.					
'Silver Leaf' Brand.....	0.04	67.96	51.1	None	46741	Genuine.
.....	0.02	66.39	50.0	Faint Pink..	46742	"
.....	0.03	55.39	50.2	" ..	46743	"
Leaf Lard.....	0.03	55.37	49.6	None	46744	"
"	0.10	52.68	49.5	"	46745	"
.....	0.04	60.76	50.3	Faint Pink..	46746	"
'Silver Leaf' Brand.....	0.03	66.58	51.1	" ..	46747	"
Leaf Lard.....	0.04	62.02	50.4	" ..	46748	"
'Star' Brand.....	0.02	63.00	50.7	None ..	46749	"
.....	0.03	56.27	49.5	"	46750	"
.....	0.04	55.68	49.8	"	46751	"
Sold as pure.....	0.05	60.03	50.0	"	46752	"
.....	0.05	59.39	50.1	Faint Pink..	46753	"
Labelled pure leaf Lard.....	0.03	54.21	50.0	None	46754	"
.....	0.09	55.11	51.3	Faint Pink..	46755	"
.....	0.05	56.36	51.4	" ..	46756	"
.....	0.02	58.67	50.1	" ..	46757	"
.....	0.02	58.63	50.1	" ..	46758	"
.....	0.02	58.75	50.6	" ..	46759	"
.....	0.04	57.63	51.0	" ..	46760	"

WM. A. WEEKS, INSPECTOR.

.....	0.02	58.16	50.0	None	46106	Genuine.
.....	0.02	57.36	49.5	"	46107	"
.....	0.04	60.61	50.6	Light pink..	46108	"
.....	0.03	59.83	50.0	None	46109	"
Labelled pure leaf Lard.....	0.04	51.93	49.8	"	46110	"

BULLETIN No. 237—

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 PRINCE EDWARD ISLAND—

1912.							
Oct. 21	Lard.....	4611	R. T. Holman, Ltd., Summerside, P. E. I.	1 lb.	15	Wm. Davies & Son, Toronto.	
" 21	"	4612	Brace McKay Co., Ltd., Summerside, P. E. I.	1 "	16	Davies Ltd., Montreal.	
" 26	"	4613	D. J. McLean, Montague, P. E. I.	1 "	16	Jno. Tobin & Co., Halifax.	
" 27	"	4614	W. W. Jenkins, Georgetown.	1 "	16	The Wm. Davies & Co., Ltd., Toronto.	
" 31	"	4615	T. Strickland, Lotbown, P. E. I.	1 "	18	Vendor.....	

DISTRICT OF NEW BRUNSWICK—

Oct. 13	Lard.....	45540	John Hopkins, St. John N. B.	1 lb.	16	Vendor.....	
" 14	"	45541	F. E. Williams Co., Ltd., St. John, N. B.	1 "	18	Vendors.....	
" 18	"	45542	G. B. Taylor, St. John, N. B.	1 "	Nil	Vendor	
" 18	"	45543	Slipp & Flewelling, St. John, N. B.	1 "	16	Vendors.....	
" 18	"	45544	Carpenter & Co., John, N. B.	1 "	15	D. B. Martin Ltd., West Toronto, Ont.	
" 24	"	45545	D. McDade, St. John, N. B.	1 "	16	Vendor.....	
" 24	"	45546	Barkers, Ltd., John, N. B.	1 "	14	The Park Blackwell Co., Ltd., Toronto.	
" 24	"	45547	James Collins, John, N. B.	1 "	18	Gunn's, West Toronto, Ont.	
Nov. 3	"	45548	P. F. McKenna, Stephen, N. B.	1 "	14	Swift Co. Ltd., U.S.A.	
" 7	"	45549	John McCluskey, Fredericton, N. B.	1 "	15	The Wm. Davies Co. Ltd., Montreal.	
" 8	"	45550	Imperial Packing Co., Ltd., Woodstock, N. B.	1 "	15	Vendors	
" 8	"	45551	W. S. Skillen, Woodstock, N. B.	1 "	16	Gunn's, Ltd., Toronto, Ont.	
" 9	"	45552	B. Beteridge, Andover, N. B.	1 "	17	"	
" 10	"	45553	F. D. Sadler, Perth, N. B.	1 "	17	Fowler's Can. Co. Ltd., Hamilton, Ont.	
" 14	"	45554	Sussex Packing Co., Ltd., Sussex, N. B.	1 "	15	Vendors	
" 15	"	45555	D. A. McBeath, Moncton, N. B.	1 "	17	F. W. Fearman Co., Ltd., Hamilton, Ont.	
" 15	"	45556	Wm. P. White, Moncton, N. B.	1 "	15	Davis & Fraser, Charlottetown, P. E. I.	
" 16	Lard Compound.	45557	D. & J. Ritchie & Co., New Castle, N. B.	1 "	15	The N. K. Fairbank's Co., Montreal.	
" 17	Lard.....	45558	A. J. Meahan, Bathurst, N. B.	1 "	15	Gunn's Ltd., West Toronto, Ont.	
" 17	"	45559	W. J. Kent & Co., Ltd., Bathurst, N. B.	1 "	15	F. W. Fearman Co. Ltd., Hamilton, Ont.	
" 17	"	45560	Adams Burns Co., Ltd., Bathurst, N. B.	1 "	15	Laing, P. & P. Co., Montreal.	

LARD.

Inspector's Report. (Is not an expression of opinion.)	RESULTS OF ANALYSIS.				No. of Sample	Remarks and Opinion of the Chief Analyst
	Water.	Iodine number (Hanus).	Butyro Refractometer at 40° C.	Halphen Reaction.		
.....	0.02	58.42	50.4	None	46111	Genuine.
.....	0.01	61.02	50.3	"	46112	"
Swifts	0.02	67.64	51.2	"	46113	"
.....	0.02	58.42	50.2	"	46114	"
.....	0.04	52.75	49.1	"	46115	"

W. A. WEEKS, INSPECTOR—*Concluded.*

J. C. FERGUSON, INSPECTOR.

.....	0.04	56.25	49.2	None	45540	Genuine.
.....	0.04	56.69	50.0	"	45541	"
.....	0.04	58.31	49.9	"	45542	"
.....	0.06	57.28	49.8	"	45543	"
.....	0.03	61.97	50.8	"	45544	"
.....	0.03	50.19	49.3	"	45545	"
.....	0.09	55.83	51.7	"	45546	"
.....	0.09	58.98	50.2	"	45547	"
"Silver Leaf" Brand.....	0.04	66.38	51.2	Pink	45548	"
.....	0.04	60.57	50.3	"	45549	"
.....	0.17	54.79	49.4	Light Pink	45550	"
.....	0.04	57.73	50.7	None	45551	"
.....	0.04	60.36	50.5	"	45552	"
.....	0.04	60.48	51.0	"	45553	"
.....	0.03	55.76	49.7	"	45554	"
"Star" Brand.....	0.02	61.27	50.9	"	45555	"
.....	0.02	57.55	49.9	"	45556	"
"Bear's Head" Compound..	0.02	95.94	56.7	Red	45557	Sold as compound.
.....	0.03	60.73	50.3	Faint Pink	45558	Genuine.
.....	0.03	62.63	51.0	Light Pink	45559	"
.....	0.03	60.77	50.2	Faint Pink	45580	"

BULLETIN No. 237.—

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—

1911.							
Oct. 12	Lard.....	36998	Cantin & Frère, 271 rue 1	lb.	18	Blackwell Co., To-	Unknown.....
			St. Joseph, Quebec.			ronto.	
" 13	"	36999	G. Gingras, 265 rue du 1	"	20	Mathews, Peterboro.	J. B. Reneaud et Cie.
			Roi, Quebec.				
" 16	"	37000	O. Lacroix, 19 rue St-1	"	16	A. Dombrosky.....	Manufacturer.....
			Joseph, Quebec.				
" 16	"	37301	J. E. Grégoire, 128 rue 1	"	15	G. Mathews Co., Hull.	Emond and Côté....
			du Pont, Quebec.				
" 17	"	37302	W. Cantin, 133 rue du 1	"	18	Ingersall Co., Mont-	J. B. Reneaud et Cie.
			Pont, Quebec.			real.	
" 19	"	37303	A. Pichette, 176 rue 1	"	18	Davis, Toronto.	"
			D'Orchester, Quebec.				
" 19	"	37304	Louis Jobin, 156 rue 1	"	20	Leon Bertrand	Manufacturer.....
			D'Orchester, Quebec.				
" 19	"	37305	J. D. Marier, 136 rue 1	"	16	Gunn's Ltd, Toronto	W. Carrier et Cie....
			D'Orchester, Quebec.				
" 20	"	37306	W. Pampalon, 120 rue 1	"	20	Imperial, Hamilton..	N. Turcot et Cie....
			D'Orchester, Quebec.				
" 20	"	37307	J. E. Goslin, 50 rue 1	"	20	Sylvain & Frère.....	Manufacturers.....
			D'Orchester, Quebec.				
" 20	"	37308	Mad. T. Savard, 16 rue 1	"	20	Mathews.....	J. B. E. Letellier ..
			D'Orchester, Quebec.				
" 20	"	37309	Mad. Theodul Dubuc, 1	"	15	"	"
			135 rue Charest, Que.				
" 23	"	37310	A. A. Cantin, 555 rue 1	"	18	Follor Cannille, Ha-	J. B. Reneaud et Cie.
			St. Valier, Quebec.			milton.	
" 23	"	37311	J. E. Morand, 406 rue 1	"	20	"	"
			St. Valier, Quebec.				
" 23	"	37312	J. E. Emond, Laliberté 1	"	18	Ingersall Packing Co.	Unknown.....
			and St. Helene, Que.				
" 23	"	37313	L. Mercier, 118 rue 1	"	18	Geo. Mathews & Co.,	Drouin & Frère....
			Laliberté, Quebec.			Ltd.	
" 24	"	37314	Alfred Clontier, 132 rue 1	"	18	Ingersoll, Ont.	J. B. E. Letellier...
			Laliberté, Quebec.				
" 24	"	37315	Ed. Verreault, 204 rue 1	"	18	Fowlers, Hamilton..	Octave Jacques.....
			de la Reine, Quebec.				
" 24	"	37316	F. X. Gosselin, 115 rue 1	"	16	Mathews, Hull.....	J. B. E. Letellier...
			de la Couronne, Que.				
" 24	"	37317	G. H. Turcotte, 92 rue 1	"	17	Emond & Côté . . .	Manufacturers.....
			Caron, Quebec.				

DISTRICT OF ST. HYACINTHE—

Oct. 25	Lard.....	1370	A. E. D'Artois & Fils, 1	lb.	18	The Harris Abattoirs	.....
			Farnham.			Co., Ltd., Montreal	.....
" 25	"	1371	Ed. Bienvenu, Farn-1	"	16	The Park Blackwell	.....
			ham.			Co., Ltd., Toronto.	.....
" 26	"	1372	W. R. Horner, Gran-1	"	16	Gunn's Ltd., West	.....
			by.			Toronto.	.....
" 26	"	1373	W. D. Bradford, Gran-1	"	15	The Laing P. & P. Co.	.....
			by.			Ltd., Montreal.	.....
" 26	"	1374	Allan Taylor & Co., 1	"	15	" .....	.....
			Waterloo.				
" 26	"	1375	Gilmour & Girard, 1	"	15	The Park Blackwell	.....
			Waterloo.			Co., Ltd., Toronto.	.....
" 26	"	1376	Mde a D'Lebeau, Sut-1	"	15	.....	Hudon & Orsali,
			ton.				Montreal.

TABLE LARD.

Inspector's Report (Is not an expression of opinion).	RESULTS OF ANALYSIS.				No. of Sample.	Remarks and Opinion on the Chief Analyst.
	Water.	Iodine Num- ber (Haa- nus).	Battery Re- fractometer at 40°C.	Halphen Reaction.		

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

	p.c.					
.....	0.45	55.95	50.2	None.....	36998	Genuine.
.....	Trace.	57.54	51.5	Faint Pink.	36999	"
.....	"	56.12	50.5	"	37000	"
.....	None.	62.04	51.1	"	37301	"
.....	1.08	51.40	49.8	None.....	37302	"
.....	0.11	60.55	50.3	"	37303	"
.....	Trace.	62.87	51.1	"	37304	"
.....	"	58.60	50.2	"	37305	"
.....	"	62.39	50.8	"	37306	"
.....	0.35	59.22	50.2	"	37307	"
Pure Lard.....	Trace.	63.38	51.0	"	37308	"
"	"	61.97	50.4	Faint Pink.	37309	"
.....	"	60.52	50.2	None.....	37310	"
.....	"	63.87	50.6	"	37311	"
.....	2.09	56.30	50.7	"	37312	Excess water.
.....	Trace.	60.67	50.3	"	37313	Genuine.....
.....	"	56.91	50.8	"	37314	"
.....	"	59.28	50.1	Light Pink.	37315	"
.....	"	60.50	50.9	None.....	38316	"
.....	"	63.02	50.8	"	37317	"

J. C. ROULEAU, INSPECTOR.

.....	0.02	59.32	50.0	Faint Pink..	1370	Genuine.
.....	0.22	58.02	51.5	None.....	1371	"
.....	0.02	64.46	51.0	Faint Pink..	1372	"
.....	0.04	61.63	50.6	Pink....	1373	"
.....	0.04	62.38	50.3	Red.....	1374	"
.....	0.03	62.00	50.4	None.....	1375	"
.....	0.03	58.25	50.0	"	1376	"

BULLETIN No 237—

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 ST. HYACINTHE—

1911.							
Nov. 6	Lard.....	1377	Bray Bros., Sherbrooke.	3 lbs.	55	The Ingersoll Packing Co., Ltd., Ingersoll, Ont.	
" 6	"	1378	King's Cash Store, Thetford.	"	13	Armour's Packing Co., Chicago.	
" 8	"	1379	C. E. Roy, Megantic.	1 "	15	Fowler's Canadian Co., Ltd., Hamilton	
" 9	"	1380	E. A. McKee, Coaticook.	1 "	15	The Laing P. & P. Co. Ltd., Montreal.	
" 9	"	1381	Meade Bros. & Co., North Coaticook.	1 "	14		D. S. Bachand, Coaticook.
" 11	"	1382	F. W. D. Melloon, Rock Island.	1 "	14	Armour & Co., Chicago.	
" 11	"	1383	J. A. Surprenant, Rock Island.	1 "	13	Vendor.	
" 21	"	1384	J. P. Rene, Nicolet.	1 "	15		L. Chaput fils & Cie, Montreal.
" 21	"	1385	A. D. Rene, Nicolet.	1 "	14		
" 22	"	1386	L. H. Paquin & Cie, Sorel.	1 "	17	The Whyte Packing Co., Ltd., Stratford.	
" 22	"	1387	J. V. Fagnan, Sorel.	1 "	15	The Laing Co., Montreal.	
" 23	"	1388	J. B. St. Pierre, St. Hyacinthe.	1 "	17	Davies Ltd., Montreal.	
" 23	"	1389	Bazinnet & Brodeur, P.Q.	1 "	16	National Packing Provision Co., Quebec.	

DISTRICT OF MONTREAL—

Oct. 23	Lard.....	40041	J. E. Belisle, 139 Welington St., Montreal.	1 lb.	20		
" 23	"	40042	J. Caron, 252 Church St., Verdun, P.Q.	1 "	14	D. B. Martin, Toronto.	
" 23	"	40043	" " " "	1 "	15	Davies Ltd., Montreal.	
" 23	"	40044	A. Clarke, 244 Church St., Verdun, P.Q.	1 "	15		Gunn, Langlois & Co., Montreal.
" 23	"	40045	Louis Leblanc, 1421 Church St., Verdun, P.Q.	1 "	15		
" 23	"	40046	O. Brunet, 1265 Welington St., Verdun, P.Q.	1 "	20		
" 23	"	40047	Robitaille & Gauthier, 2 Craig West, Montreal.	1 "	18	McDuff Lamb, Montreal.	
" 23	"	40048	P. H. Therret, 21 Vitre St. E., Montreal.	1 "	20	Laing P. & P. Co., Ltd., Montreal.	
" 23	"	40049	R. Bernard, 91 Lagareche St. E., Montreal.	1 "	15		Lanham & Graham, Montreal.
" 23	"	40050	E. Liennais, 561 Saint guinet St., Montreal.	1 "	17		
" 24	"	40051	Jos. Fournelle, St. Agathe de Monts, P.Q.	1 "	15	Davies Ltd., Montreal.	

LARD.

Inspector's Report (Is not an expression of opinion.)	RESULTS OF ANALYSIS.				No. of Sample.	Remarks and Opinion of the Chief Analyst.
	Water.	Iodine Num- ber (Haus.)	Butyro Re- fractometer at 40°C.	Halphen Re- action.		
J. C. ROULEAU, INSPECTOR— <i>Concluded.</i>						
	p. c.					
Pure Lard	0.03 59.31	50.2	Faint Pink..	1377	Genuine	
.....	0.03 66.13	51.0	" ..	1378	"	
Pure Lard.....	0.04 64.25	50.7	None.....	1379	"	
Extra Pure Lard.....	0.07 61.40	50.3	Red.....	1380	"	
.....	0.04 68.58	51.2	Faint Pink..	1381	"	
.....	0.03 67.83	51.1	Pink.....	1382	"	
.....	0.03 59.35	50.1	None.....	1383	"	
Extra Pure Lard.....	0.03 59.28	50.0	.....	1384	"	
"	0.02 59.43	50.0	.....	1385	"	
.....	0.02 56.19	49.8	"	1386	"	
.....	0.05 60.03	50.0	Red.....	1387	"	
.....	0.03 63.50	50.3	None.....	1388	"	
Pure Lard.....	0.04 72.88	52.9	Red.....	1389	Contains cotton seed oil. Adulterated.	

J. J. COSTIGAN, INSPECTOR.

Sold as pure	0.03 59.50	56.2	Red	40941	Genuine.
.....	0.02 61.14	50.1	None	40942	"
.....	0.03 59.57	50.0	"		
.....	0.02 63.50	50.7	Faint pink.	40943	"
Sold as pure	0.04 59.73	50.0	Pink	40944	"
"	0.03 59.46	50.3	Faint pink.	40945	"
"	0.03 59.49	49.9	None	40946	"
.....	0.07 60.18	50.4	Pink	40947	"
"	0.04 56.41	49.8	None	40948	"
"	0.05 64.25	50.9	Light pink.	40949	"
Pure	0.02 62.74	50.5	None	40950	"

BULLETIN No. 237—

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—

1911.							
Oct. 24	Lard.....	40952	E. Masse, St. Agathe de Monts, P.Q.	1 lb.	15		
" 27	"	40953	E. Dufour, Joliette, P.Q.	1 "	15	Laing P. & P. Co., Ltd.	
" 27	"	40954	O. Chevalier et fils, Joliette, P.Q.	1 "	15	Davies Ltd., Montreal	
Nov. 3	"	40955	E. W. Farrell, 79 St. Antoine St. West, Montreal.	1 "	18	The Geo. Matthews Co., Ltd.	
" 3	"	40956	J. A. Reneaud, 622 St. Antoine St. West, Montreal.	1 "	15		
" 3	"	40957	Davies Ltd., 1640 B St. James St., Montreal.	1 "	16	Vendors	
" 3	"	40958	A. Pilon, 1681 Notre Dame West, Montreal.	1 "	16		
" 3	"	40959	P. Lebrun, 1662 Notre Dame West, Montreal.	1 "	18	Fowler's Canadian Co., Ltd.	
" 3	"	40960	H. Desmarais, 1650 Notre Dame West, Montreal.	1 "	15		

DISTRICT OF OTTAWA—

Oct. 10	Lard.....	49011	Peter Speirs & Co., Carleton Place.	1 lb.	18	The Geo. Matthews Co., Ltd., Hull.	
" 10	"	49012	Wm. Jenkins, Carleton Place.	1 "	16	The Park-Blackwell, Ltd., Toronto.	
" 12	"	49013	W. E. Parsons, Arnprior.	1 "	15	The Geo. Matthews Co., Ltd., Hull.	
" 12	"	49014	T. McCormick, Arnprior.	1 "	15	Fowler's Canadian Co., Hamilton.	
" 13	"	49015	L. M. Davison, Kemptonville.	1 "	18	Gilmour & Co., Brockville.	
" 16	"	49016	D. J. Dick, Almonte.	1 "	15	The Geo. Matthews Co., Ltd., Hull.	
" 16	"	49017	Fred W. Robertson, Almonte.	1 "	15	Fowler's Canadian Co., Ltd., Hamilton.	
" 20	"	49018	Sanders, Soule & Casselman Co., Ltd., Chesterville.	1 "	16	The Geo. Matthews Co., Ltd., Hull.	
" 20	"	49019	Chester Casselman, Chesterville.	1 "	15	The Wm. Davies Co., Toronto.	
" 25	"	49020	A. Moreland, Bank st., Ottawa.	1 "	18	Gunn's Ltd., Toronto	Bate & Co., Ottawa.
" 25	"	49051	H. Armsrong, Bank st., Ottawa.	1 "	17	Fowler's Can. Co., Ltd., Hamilton.	
" 25	"	49052	A. E. Rea & Co., Ottawa	1 "	18	Gunn's, Ltd., West Toronto.	
" 25	"	49053	The Geo. Matthews Co., Ltd., By Ward Market, Ottawa.	1 "	15	Vendors.....	
" 25	"	49054	" " "	1 "	17	"	

LARD.

Inspector's Report (Is not an expression of opinion.)	RESULTS OF ANALYSIS.				No. of Sample.	Remarks and Opinion of the Chief Analyst.
	Water.	Iodine Num- ber (Hanus.)	Butyro Re- fractometer at 40°C.	Halphen Re- action.		

J. J. COSTIGAN, INSPECTOR—*Concluded*,

	p.c.					
Sold as pure.....	0.02	57.44	49.7	None.....	40952	Genuine
Labelled extra pure lard.....	0.06	62.12	50.8	Red.....	40953	"
Labelled pure.....	0.04	61.51	50.4	None.....	40954	"
.....	0.07	59.91	50.0	Red.....	40955	"
.....	0.03	58.50	50.1	None.....	40956	"
.....	0.03	60.87	50.3	".....	40957	"
.....	0.04	60.00	50.2	".....	40958	"
.....	0.04	60.94	50.1	Light pink.	40959	"
.....	0.06	59.57	50.0	None.....	40960	"

J. A. RICKEY, INSPECTOR.

.....	0.04	56.63	49.9	None.....	49011	Genuine.
Labelled choice family lard; pure lard.	0.93	53.91	50.6	".....	49012	"
Matthews pure lard.....	0.07	63.71	50.9	".....	49013	"
Imperial pure lard.....	0.07	60.85	50.3	".....	49014	"
Pure lard.....	0.07	58.61	50.1	".....	49015	"
Buttercup Brand.....	0.07	63.22	50.5	".....	49016	"
Imperial pure lard.....	0.05	60.18	50.8	".....	49017	"
Choice pure lard.....	0.08	60.97	51.1	".....	49018	"
.....	0.04	59.18	50.2	Faint pink..	49019	"
.....	0.03	56.50	49.9	".....	49020	"
Pure lard. L. & S. Best....	0.03	59.13	50.0	None.....	49051	"
Maple Leaf; pure lard.....	0.03	53.37	50.2	".....	49052	"
Matthews pure lard.....	0.04	58.92	50.0	".....	49053	"
Rose Brand.....	0.03	56.88	49.9	".....	49054	"

BULLETIN No. 237—

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 OTTAWA—							
1911.							
Oct. 26	Lard.....	49055	Goodall Bros., Ottawa.	3 lbs.	50	D. B. Martin, West Toronto.	
" 26	"	49056	A. P. Johnson, Ottawa.	1 " ..	18	Jno. Duff & Son, Hamilton.	
" 26	"	49057	The Geo. Matthews Co., Ltd., Queen st. West, Ottawa.	1 " ..	15	Vendors.....	
" 26	"	49058	Jos. Martel, Hull, P.Q.	1 " ..	15	The Geo. Matthews Ltd., Hull.	
" 26	"	49059	P. H. Charron & Co., Hull, P.Q.	1 " ..	15	Jos. O'Mara, Palmers ton, Ont.	
" 27	"	49060	B. Slattery, Ottawa.	1 " ..	18	D. B. Martin, Ltd., West Toronto.	

DISTRICT OF KINGSTON—							
Nov. 1	Lard.	48554	W. F. Hopkinson, Kingston.	1 lb.	20	Anderson Bros., Kingston.	
" 1	"	48555	Geo. Gibson, Kingston.	1 " ..	15	Gunn's Ltd., West Toronto.	
" 1	"	48556	L. W. Murphy, Kingston.	1 " ..	15		J. Y. Parkhill, Kingston.
" 1	"	48557	J. Cullen, Kingston.	1 " ..	16	Geo. Matthews, Peterboro.	
" 1	"	48558	C. Saunders, Kingston.	1 " ..	15	" " ..	
" 1	"	48559	C. H. Pickering, Kingston.	1 " ..	15		Geo. Robertson & Son, Kingston.
" 1	"	48560	Anderson Bros., Kingston.	1 " ..	15	Vendors	
" 1	"	48561	E. S. Suddard, Kingston.	1 " ..	15	Gunn's Ltd., West Toronto.	
" 1	"	48562	D. Couper, Kingston.	1 " ..	15	Geo. Matthews, Peterboro.	
" 1	"	48563	Kelley Bros., Kingston.	1 " ..	15	" " ..	
" 2	"	48564	M. Nolan, Kingston.	1 " ..	15	Freeman, Hamilton.	
" 2	"	48565	J. Crawford, Kingston.	1 " ..	17	Geo. Matthews, Peterboro.	
" 2	"	48566	D. B. Gage, Kingston.	1 " ..	15	Fowlers, Hamilton.	
" 2	"	48567	J. Lemmon, Kingston.	1 " ..	15	Geo. Matthews, Peterboro.	
" 2	"	48568	A. Donaldson, Kingston.	1 " ..	15	A. Maclean, Kingston.	
" 2	"	48569	J. T. Morris, Kingston.	1 " ..	14	J. Y. Parkhill, Kingston.	
" 4	"	48570	G. D. Vallean, Kingston.	1 " ..	16	Gunn's Ltd., West Toronto.	
" 4	"	48571	J. McCulla, Kingston.	1 " ..	16	Fowlers, Hamilton.	
" 4	"	48572	J. R. B. Gage, Kingston.	1 " ..	15	Gunn's Ltd., West Toronto.	
" 4	"	48573	J. Redden, Kingston.	1 " ..	15	Anderson Bros., Kingston.	

LARD.

Inspector's Report. (Is not an expression of opinion.)	RESULTS OF ANALYSIS.				No. of Sample.	Remarks and opinion of the Chief Analyst.
	Water.	Iodine Number (Hams).	Polyro Re. fractometer at 40° C.	Halphen Reaction.		
J. A. RICKEY, INSPECTOR <i>Concluded,</i>						
	p. c.					
.....	0 02 60 32	50 1	None	.....	49055	Genuine
Horse Shoe Brand.....	0 03 60 75	50 8	"	.....	49056	"
Matthews pure lard.....	0 04 60 18	50 2	"	.....	49057	"
Rose Brand.....	0 04 57 00	49 9	"	.....	49058	"
Pure lard ..	0 09 57 01	50 6	"	.....	49059	"
.....	0 08 59 65	50 1	"	.....	49060	"
JAS. HOGAN, INSPECTOR.						
.....	0 03 59 07	50 0	None	.....	48554	Genuine.
.....	0 03 60 59	50 5	"	.....	48555	"
.....	0 05 59 78	50 1	"	.....	48556	"
.....	0 05 59 50	50 5	"	.....	48557	"
.....	0 04 59 72	50 2	Pink	.....	48558	"
.....	0 04 59 63	50 0	None	.....	48559	"
.....	0 03 59 76	50 0	"	.....	48560	"
.....	0 05 58 61	50 0	"	.....	48561	"
.....	0 05 59 43	50 2	"	.....	48562	"
.....	0 04 59 03	50 0	"	.....	48563	"
.....	0 04 61 23	50 5	"	.....	48564	"
.....	0 03 62 63	50 7	"	.....	48565	"
.....	0 04 55 89	49 4	Faint Pink	.....	48566	"
.....	0 03 51 00	49 0	None	.....	48567	"
.....	0 04 60 23	50 1	"	.....	48568	"
.....	0 03 59 15	50 3	Pink	.....	48569	"
.....	0 02 57 63	50 0	None	.....	48570	"
.....	0 03 61 23	50 5	"	.....	48571	"
.....	0 03 61 65	50 9	Pink	.....	48572	"
.....	0 04 58 41	50 2	None	.....	48573	"

BULLETIN No. 237—

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—

1911.							
Oct.	24	Lard	47360 C. W. Fox, Owen Sound.	1 lb.	15	Gunn's, Ltd, Toronto	
"	11	"	47365 James Blake, 393 Mary St., Hamilton.	1 "	15	F. W. Fearman Co., Ltd., Hamilton.	
"	16	"	47366 B. Chrysler, Mary St., Hamilton.	1 "	15	Fowler's Can. Co., Hamilton.	
"	18	"	47367 A. E. Cronk, Cannon St., Hamilton.	1 "	14	Jno. Duff & Son, Hamilton.	
"	18	"	47368 A. T. Prosser, 214 Locke St., Hamilton.	1 "	15	Gunn's Ltd., Toronto.	
"	20	"	47369 H. A. Tubb, 337 Parliament St., Toronto.	1 "	17	Puddy Bros., Toronto.	
"	26	"	47370 E. Handley, 268 Spadina St., Toronto.	1 "	16		
"	23	"	47371 F. H. Arkell, Orangeville.	1 "	15	Gunn's Ltd., Toronto.	
"	23	"	47372 T. Durkin & Son, Orangeville.	1 "	15	"	
"	24	"	47373 J. R. Boyd, Owen Sound.	1 "	15	Vendor.	
"	24	"	47374 M. A. Goetz, Owen Sound.	1 "	17	"	
"	24	"	47375 J. McQuaker & Co., Owen Sound.	1 "	15	Whyte Packing Co., Stratford.	
"	26	"	47376 D. Gibbons & Sons, Meaford.	1 "	15	The Ingersoll Packing Co., Ltd., Ingersoll.	
"	26	"	47377 Brown Bros., Meaford.	1 "	15	The Collingwood Packing Co., Ltd., Collingwood.	
"	26	"	47378 T. M. McKeown, Collingwood.	1 "	15	Swift Can. Co., Ltd., W. Toronto.	
"	27	"	47379 J. Bingham & Son, Barrie.	1 "	15	Vendors	
Nov.	2	"	47380 W. B. Pringle & Co., Whitby.	1 "	17	The Wm. Davies Co., Ltd., Toronto.	
"	2	"	47381 Mathison Bros. Whiteby.	1 "	18	The Geo. Matthews Co., Ltd., Peterboro.	
"	2	"	47382 C. H. Crysdale & Son, Oshawa.	1 "	15	Fowler's Can. Co., Ltd., Hamilton.	
"	2	"	47382 Brooks & Armour, Oshawa.	1 "	16	Vendors	

DISTRICT OF WINDSOR—

Oct.	16	Lard	47861 M. Vansycle, St. Thomas.	1 lb.	10	St. Thomas Packing Co.	
"	16	"	47860 A. J. Kadwell, St. Thomas.	1 "	16	Geo. Matthews Co., Brantford.	
"	16	"	47863 Karstadt & Mahler, St. Thomas.	1 "	18	Tillsonburg Packing Co.	
"	16	"	47868 St. Thomas Packing Co., St. Thomas.	1 "	nil.	Vendors	
"	16	"	47812 R. T. Pencombe, St. Thomas.	1 "	16	Fowler's Canadian Co., Hamilton.	
"	17	"	47816 Orndorff Bros., Ridgetown.	1 "	15	Geo. Matthews Co., Brantford.	

LARD.

Inspector's Report. (Is not an expression of opinion.)	RESULT OF ANALYSIS.				No. of Sample.	Remarks and Opinion of the Chief Analyst.
	Water.	Iodine Number (Hanus).	Butyro Refractometer at 40°C.	Halphen Reaction.		

H. J. DAGER, INSPECTOR.

	p.c.					
"Maple Leaf" Brand. Pure Lard.	0.04	59.50	50.3	None	47360	Genuine.
"Maple Leaf" Brand. Pure Lard.	0.03	58.32	50.0	"	47365	"
"Maple Leaf" Brand. Pure Lard.	0.03	63.75	51.0	"	47366	"
"Maple Leaf" Brand. Pure Lard.	0.03	61.01	50.4	"	47367	"
"Maple Leaf" Brand. Pure Lard.	0.04	52.56	49.0	"	47368	"
"Maple Leaf" Brand. Pure Lard.	0.04	57.91	50.1	"	47369	"
"Maple Leaf" Brand. Pure Lard.	0.03	55.17	51.2	"	47370	"
"Maple Leaf" Pure Lard.	0.04	61.38	50.5	"	47371	"
"Maple Leaf" Pure Lard.	0.04	62.24	50.5	Pink	47372	"
"Maple Leaf" Pure Lard.	0.13	57.18	49.7	None	47373	"
"Maple Leaf" Pure Lard.	0.04	56.08	49.8	"	47374	"
"Maple Leaf" Pure Lard.	0.02	60.35	50.4	"	47375	"
"Beaver" Brand.	1.17	61.73	50.8	"	47376	Water in excess. Duplicate sample gave 1.52 p.c. moisture.
"Beaver" Brand.	0.03	56.97	49.9	Pink	47377	Genuine.
"Silver Leaf" Brand. Guaranteed Pure Lard.	0.04	68.28	51.5	None	47378	"
"Silver Leaf" Brand. Guaranteed Pure Lard.	0.03	62.20	51.0	"	47379	"
"Silver Leaf" Brand. Guaranteed Pure Lard.	0.03	61.97	50.5	"	47380	"
"Rose" Brand.	0.04	53.91	49.2	"	47381	"
"Rose" Brand.	0.04	60.49	50.5	Faint pink	47382	"
"Rose" Brand.	0.06	59.95	50.6	None	47383	"

JNO. TALBOT, INSPECTOR.

Labelled Pure Family Lard.	0.05	62.50	50.9	None	47801	Genuine.
Labelled Pure Family Lard.	0.03	64.26	51.3	"	47802	"
Labelled London T. P. C. Pure Lard.	0.04	60.19	50.4	Faint pink	47803	"
Labelled London T. P. C. Pure Lard.	0.11	59.72	50.3	None	47808	"
Labelled Fowler's Pure Lard, L. & S. Best.	0.04	60.67	50.2	Faint pink	47812	"
Labelled Geo. Matthews' Pure Lard.	0.02	61.72	50.7	None	47816	"

BULLETIN No. 237—

Date of Collection.	Nature of Sample.	No. of Sample.	Name and Address of Vendor.	Cost.		Name and Address of the Manufacturer or Furnisher, as given by the Vendor.	
				Quantity.	Cents.	Manufacturer.	Furnisher.

DISTRICT OF WINDSOR—

1911.							
Oct. 17.	Lard.....	47823	Clark & Sons, Ridge-town.	1 lb..	15	Geo. Matthews Co., Brantford.	
" 18.	"	47825	B. C. Watson, Leamington.	1 " ..	15	F. W. Fearman, Hamilton.	
" 18.	"	47829	B. & W. McIntyre, Leamington.	1 " ..	16	Geo. Matthews Co., Brantford.	
" 18.	"	47834	R. T. Moran, Leamington.	1 " ..	16	F. W. Fearman Co., Hamilton.	
" 20.	"	47850	Wm. Rodgers, Chatham.	1 1/2 lb.	20	Dom. Provision Co., London.	
" 20.	"	47851	E. R. Snook, Chatham.	1 1/2 " ..	20	F. W. Fearman, Hamilton.	
" 20.	"	47852	Jas. Tefft, Chatham.	1 tin..	40	Vendor	
" 20.	"	47853	M. Taylor, Chatham.	1 1/2 lb..	13	Fowler's Can. Co., Hamilton.	
" 23.	"	47859	Geo. Jackson, London.	1 lb..	15	Vendor	
" 23.	"	47860	T. Hamlyn, London.	1 " ..	15	"	
" 23.	"	47861	H. A. Schafer, London.	1 " ..	15	Tillson Packing Co., Tillsonburg.	
" 23.	"	47862	F. T. Adams, London.	1 " ..	13	Vendor	

DISTRICT OF MANITOBA—

Nov. 6	Lard.....	47448	D. Christie, Winnipeg.	1 lb..	15	Wm. Davis & Co., Toronto.	Unknown
" 6	"	47449	Robertson & Co., Winnipeg.	1 " ..	20	Western Packing Co., Winnipeg.	
" 6	"	47450	J. Patterson, Winnipeg.	1 " ..	20	Gordon Ironsides, Fares Co., Winnipeg.	
" 6	"	47451	The W. H. Stone & Co., Winnipeg.	1 " ..	20	Swift Canadian Co., Winnipeg.	Manufacturers.
" 6	"	47452	M. Brown, Winnipeg.	1 " ..	20	"	
" 6	"	47454	F. E. Crone, Winnipeg.	1 " ..	20	Swift Canadian Co., Winnipeg.	Unknown
" 6	"	47455	F. Fawley, Winnipeg.	1 " ..	20	Gordon Ironsides, Fares Co., Winnipeg.	
" 6	"	47456	H. Menlove, Winnipeg.	1 " ..	20	"	
" 7	"	47457	Carson Bros., Norwood Grove, Man.	1 " ..	15	Western Packing Co., Winnipeg.	
" 7	"	47458	John Donnelly & Son, Norwood Grove, Man.	1 " ..	20	Swift Canadian Co., Winnipeg.	
" 7	"	47459	W. J. Kennedy, Norwood Grove, Man.	1 " ..	20	F. W. Fearman & Co., Hamilton.	
" 7	"	47460	W. T. Francis, Norwood Grove, Man.	1 " ..	20	Gordon Ironsides, Fares Co., Winnipeg.	
" 8	"	47461	T. and B. Grocery, Winnipeg.	1 " ..	20	Western Packing Co., Winnipeg.	

LARD.

Inspector's Report. (Is not an expression of opinion).	RESULTS OF ANALYSIS.				No. of Sample.	Remarks, and opinion of the Chief Analyst.
	Water.	Iodine Number (Hanus).	Butyro-refractometer at 40° C.	Halphen Reaction.		

JNO. TALBOT, INSPECTOR—*Concluded.*

	p. c.					
Labelled Family Lard.....	0.07	65.52	51.3	None.....	47823	Genuine
.....	0.04	60.71	50.4	".....	47825	"
.....	0.06	61.89	50.6	".....	47829	"
Labelled 'Star' Brand Pure Lard.	0.12	59.60	50.6	".....	47831	"
.....	0.09	59.30	50.0	".....	47850	"
.....	0.07	62.61	50.7	Faint pink..	47851	"
Labelled Pure Lard.....	0.03	58.77	49.8	None.....	47862	"
Labelled L. & S. Pure Lard.	0.07	63.25	50.9	".....	47853	"
.....	0.08	60.90	50.3	".....	47859	"
.....	0.09	59.72	50.1	".....	47860	"
Labelled Londen's T. P. C. Pure Lard.	0.04	55.40	49.7	".....	47861	"
.....	0.05	60.09	50.1	".....	47862	"

A. C. LARIVIERE, INSPECTOR.

.....	0.03	64.21	51.1	None.....	47448	Genuine.
.....	0.41	56.55	51.2	".....	47449	"
.....	0.04	53.50	51.0	".....	47450	"
.....	0.02	67.43	50.3	Faint pink..	47451	"
.....	0.03	62.56	50.6	Light pink..	47452	"
.....	0.02	67.50	51.3	Faint pink..	47454	"
.....	0.10	53.84	50.8	None.....	47455	"
.....	0.19	54.92	50.7	".....	47456	"
.....	0.06	57.81	50.9	".....	47457	"
.....	0.03	64.23	50.8	Faint pink..	47458	"
"Star Brand".....	0.02	62.06	50.4	Pink.....	47459	"
.....	0.03	57.02	49.8	Faint pink..	47460	"
.....	0.03	60.32	50.0	None.....	47461	"

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 MANITOBA—							
1911.							
Nov.	8 Lard.....	47462	C. J. Caswell, Win- nipeg.	1 lb ..	20	Gallagher, Holman, Lafrance, Winnipeg	
"	8 "	47463	W. Rourke & Co., Winnipeg.	1 " ..	20	Armour & Co.....	
"	8 "	47464	Walter Fee, Winnipeg.	1 " ..	20	Swift Canadian Co., Winnipeg.	Unknown
"	9 "	47465	H. A. Webb (Elm wood), Winnipeg.	1 " ..	15	Unknown	"
"	9 "	47466	Reimer Trading Co., (Elmwood), Winnipeg.	1 " ..	20	Swift Canadian Co., Winnipeg.	
"	9 "	47467	R. Beath & Son (Elm- wood), Winnipeg.	1 " ..	18		
"	9 "	47473	Wm. Coates, Winnipeg	1 " ..	18	Gordon, Ironside & Fares, Winnipeg.	

DISTRICT OF CALGARY—							
Nov.	9 Lard . . .	44021	J. T. Bell & Sons, Me- dicine Hat.	1 lb	20	Vendors.....	
"	9 " ..	44022	H. W. Ireland & Co., Medicine Hat.	3 "	60	Gallagher, Holman, Lafrance Co., Win- nipeg.	
"	9 "	44023	Spencer & Todd, Medi- cine Hat.	1 "	25	Swift Canadian Co., Edmonton.	
"	9 "	44024	L. B. Cochran, Medi- cine Hat.	1 "	25	" ..	
"	9 "	44025	R. Mitchell, Medicine Hat.	1 "	20	Vendor ..	
"	9 "	44026	LePage Bros., Medi- cine Hat.	1 "	25	Swift Canadian Co., Edmonton.	
"	9 "	44027	Hewitt & Armstrong, l Medicine Hat.	1 "	25	Gallagher, Holman, Lafrance Co., Win- nipeg.	
"	9 "	44028	H. Morrow, Medicine Hat.	1 "	25	Swift Canadian Co., Edmonton.	
"	9 "	44029	A. W. Curran, Medi- cine Hat.	1 "	25	" ..	
"	9 "	44030	J. T. Bell & Sons, Me- dicine Hat.	1 "	25	Vendors.....	
"	20 "	44031	R. J. Frizzle, Calgary.	1 "	20	Swift Canadian Co., Winnipeg.	
"	20 "	44032	C. Bradley, Calgary...	1 "	20	P. Burns & Co., Cal- gary.	
"	20 "	44033	Sugden & Morse, Cal gary.	1 "	20	Swift Canadian Co., Edmonton.	
"	20 "	44034	C. Wrightson & Son, l Calgary.	1 "	20	Don. Meat Co., Cal gary.	
"	20 "	44035	Jenkins & Co., Cal- gary.	1 "	20	Swift Canadian Co., Edmonton	
"	20 "	44036	Summers & Comfoot, Calgary.	1 "	20	" ..	
"	22 "	44037	P. Burns & Co., Ltd., East Calgary.	1 "	20	Vendors.....	
"	22 "	44038	Hughes Meat Co., Cal- gary.	1 "	20	Swift Canadian Co., Edmonton.	
"	22 "	44039	Swift Canadian Co., Ltd., Calgary.	1 "	20	" ..	
"	22 "	44040	The Don. Meat Co., l Ltd., Calgary.	1 "	20	Vendors.....	

LARD.

Inspector's Report. (Is not an expression of opinion).	RESULTS OF ANALYSIS.				No. of Sample.	Remarks and Opinion of the Chief Analyst.
	Water.	Iodine number (Hanus).	Butyro Refractometer at 40°C.	Halphen Reaction.		

A. C. LARIVIERE, INSPECTOR—*Continued.*

	p. c.					
.....	0.03	58.98	49.9	Faint pink..	47462	Genuine
Armours Shield. Pure Lard.	0.04	67.50	51.2	" ..	47463	"
.....	0.02	67.69	51.4	" ..	47464	"
.....	0.04	57.34	50.1	" ..	47465	"
.....	0.03	64.98	50.7	" ..	47466	"
.....	0.03	64.13	50.9	Light pink..	47467	"
.....	0.04	56.47	49.7	None	47473	"

R. W. FLETCHER, INSPECTOR.

.....	0.04	61.89	50.3	None	44021	Genuine.
.....	0.04	62.75	51.1	Faint pink..	44022	"
.....	0.04	64.24	51.0	Light pink..	44023	"
.....	0.03	65.91	51.1	" ..	44024	"
.....	0.04	62.16	50.5	None	44025	"
.....	0.02	63.25	51.0	Faint pink..	44026	"
.....	0.02	62.87	51.0	" ..	44027	"
.....	0.04	65.49	51.1	Pink	44028	"
.....	0.04	60.38	51.0	Light pink..	44029	"
.....	0.03	62.23	50.4	None	44030	"
.....	0.02	66.24	51.2	Faint pink..	44031	"
.....	0.02	63.50	50.5	Pink	44032	"
.....	0.03	67.71	51.3	Faint pink..	44033	"
.....	0.02	62.99	50.5	None	44034	"
.....	0.02	64.21	50.7	Light pink..	44035	"
.....	0.02	64.22	51.0	Faint pink..	44036	"
.....	0.01	63.61	51.0	Red	44037	"
.....	0.03	65.85	51.4	None	44038	"
.....	0.02	63.50	51.0	Faint pink..	44039	"
.....	0.03	63.50	50.9	" ..	44040	"

BULLETIN No. 237—

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 NELSON—

1911.							
Oct. 19	Lard	48436	Trites, Wood Co., Fernie, B.C.	3 lbs	55	Armour & Co., Chicago.	
" 19	"	48437	"	3 "	55	Swift Can. Co., Edmonton.	
" 19	"	48438	"	3 "	55	P. Burns & Co., Calgary.	
" 27	"	48449	W. R. Braden & Son, Rossland, B.C.	1 pail.	60	Swift Can. Co., Edmonton.	
" 27	"	45454	Union Coop. Assoc., Rossland, B.C.	1 "	65	"	
" 27	"	48461	Hunter Bros., Rossland, B.C.	1 "	90	E. H. Stanton & Co., Spokane.	
" 27	"	48462	"	1 "	60	Swift Can. Co., Edmonton.	
" 27	"	48467	N. Laface, Rossland, B.C.	1 "	60	Armour & Co., Chicago.	
" 27	"	48468	P. Burns & Co., Rossland, B.C.	1 "	60	P. Burns & Co., Calgary.	
" 27	"	48469	"	1 lb	20	Vendors.	
" 28	"	48470	Union Grocery, Nelson.	1 pail.	55	Armour & Co., Chicago.	
" 28	"	48471	"	1 "	55	G. Matthews Co., Peterboro.	
" 28	"	48472	W. W. Harris, Nelson.	1 "	60	P. Burns & Co., Calgary.	
" 28	"	48473	"	1 "	60	Swift Can. Co., Edmonton.	
" 28	"	48474	"	1 "	90	Armour & Co., Chicago.	
" 28	"	48475	P. Burns & Co., Nelson.	1 "	95	Park, Blackwell Co., Toronto.	
" 28	"	48476	"	1 "	95	Armour & Co., Chicago.	
" 28	"	48477	"	1 "	95	P. Burns & Co., Calgary.	
" 28	"	48478	A. S. Horswill, Nelson.	1 "	55	Swift Can. Co., Edmonton.	
" 28	"	48479	"	1 "	55	Armour & Co., Chicago.	

DISTRICT OF VANCOUVER—

Oct. 23	Lard	38235	Vancouver-Prince Rupert Meat Co., Vancouver.	1 lb	15	Vendors.	
" 23	"	38236	Andrew Reid, Robson st., Vancouver.	1 "	20	Wm. Davies, Toronto.	
" 23	"	38237	W. E. Morrison, Public Market, Vancouver.	1 "	20	Swift & Co., Winnipeg.	
" 23	"	38238	Gray & Co., Granville Market, Vancouver.	1 "	20	P. Burns & Co., Vancouver.	
" 23	"	38239	F. R. Stewart, Water st., Vancouver.	1 "	15	Frye & Co., Seattle, Wash.	

LARD.

Inspector's Report (Is not an expression of opinion.)	RESULTS OF ANALYSIS.				No. of Sample.	Remarks and Opinion of the Chief Analyst.
	Water.	Iodine Num- ber(Haus.)	Butyro Re- fractometer at 40°C.	Halphen Re- action.		

THOS. PARKER, INSPECTOR.

	p. c.					
.....	0.04	68.46	51.6	None.....	4843	Genuine.
.....	0.04	65.71	51.5	"	48437	"
.....	0.05	63.75	50.8	"	48438	"
.....	1.00	65.98	51.3	Faint Pink..	48449	"
.....	0.06	65.68	51.4	None.....	48454	"
.....	0.07	64.11	50.9	"	48461	"
.....	0.02	68.17	51.6	"	48462	"
.....	0.10	65.11	52.2	"	48467	"
.....	0.04	61.88	50.7	Faint Pink..	48468	"
.....	0.05	58.55	50.1	None.....	48469	"
.....	0.05	66.25	51.1	Faint Pink..	48470	"
.....	0.04	62.99	50.6	"	48471	"
.....	1.14	62.88	50.9	"	48472	Excess water. Duplicate sample gave 1.14 p.c. water.
.....	0.04	67.23	51.1	"	48473	Genuine.
.....	0.04	69.60	51.6	"	48474	"
.....	0.13	60.10	51.8	"	48475	"
.....	0.04	65.33	50.9	None.....	48476	"
.....	0.03	63.27	51.0	Pink.....	48477	"
.....	0.04	65.07	51.0	"	48478	"
.....	0.03	60.16	50.1	None.....	48479	"

J. F. POWER, INSPECTOR.

.....	0.03	60.80	50.5	None.....	38235	Genuine.
.....	0.03	58.52	50.0	"	38236	"
Guaranteed pure lard.....	0.02	64.12	51.0	"	38237	"
.....	0.03	62.75	50.5	Pink.....	38238	"
.....	0.03	65.58	51.1	Faint pink..	38239	"

BULLETIN No 237—

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—

1911.							
Oct. 25	Lard.....	38240	Blain's Grocery, Nicola st., Vancouver.	1 lb ..	20	Morrell & Co., Ottumwa, Ia., U.S.A.	
" 25	"	38241	W. H. Walsh & Co., Seymour st., Vancouver.	1 " ..	20	P. Burns & Co., Vancouver.	
" 25	"	38242	Wm. Crossan, Davie st., Vancouver.	1 " ..	20		
" 25	"	38243	J. Atkins, Hamilton st., Vancouver.	1 " ..	20		

DISTRICT OF VICTORIA—

Oct. 25	Lard.	47641	Windsor Grocery Co., Victoria.	1 lb ..	20	Frye, Bruhn & Co., Seattle, Wash.	
" 26	"	47642	The West End Grocery Co., Ltd., Victoria.	1 " ..	20	Jno. Morrell & Co., Ottumwa, Ia., U.S.A.	
" 26	"	47643	" " " "	1 " ..	20	Swift Can. Co., Ltd., Winnipeg.	
Nov. 9	"	47644	Copas & Young, Victoria.	1 " ..	20	Jno. Morrell & Co., Ottumwa, Ia., U.S.A.	
" 9	"	47645	Wm. B. Hall, Victoria.	1 " ..	20	Swift Can. Co., Ltd., Winnipeg.	
" 13	"	47646	Erskine & Co., Victoria	1 " ..	20	" " "	
" 15	"	47647	D. H. Ross, Victoria.	1 1/2 ..	30	Frye Bruhn Co., Seattle, Wash.	
" 15	"	47648	Harrison & McDonald, Victoria.	1 " ..	20	Jno. Morrell & Co., Ottumwa, Ia., U.S.A.	
" 16	"	47649	E. G. Bailey, Victoria.	1 " ..	25	Frye Bruhn Co., Seattle, Wash.	
" 16	"	47650	Acton Bros., Victoria.	3 " ..	55	Swift Can. Co., Ltd., Winnipeg.	

LARD.

Inspector's Report. (Is not an expression of opinion).	RESULTS OF ANALYSIS.				No. of Sample.	Remarks and opinion of the Chief Analyst.
	Water.	Iodine Number (Hanus).	Ratyo Refractometer at 40° C.	Halphen Reaction.		

I. F. POWER, INSPECTOR—*Concluded.*

	p. c.					
.....	0.03	67.06	51.3	None	38240	Genuine.
.....	0.03	62.48	50.5	Faint pink.	38241	"
.....	0.03	71.33	52.1	Red	38242	Contains cotton seed oil. Adulterated.
Packed by vendor from P. Burns bulk article.	0.02	61.67	50.5	Faint pink.	38243	Genuine.

D. O'SULLIVAN, INSPECTOR.

'Wild Rose' Brand; pure lard.	0.15	67.16	51.9	Faint pink.	47641	Genuine.
Morrell's warranted pure lard	0.05	65.65	51.6	None.	47642	"
Swift's 'Silver Leaf' Brand pure lard.	0.06	65.75	51.5	"	47643	"
.....	0.03	65.56	51.3	"	47644	"
.....	0.05	63.62	51.9	Faint pink.	47645	"
Swift's pure lard	0.04	64.46	51.2	"	47646	"
Wild Rose brand pure lard ..	0.04	65.12	51.0	"	47647	"
Morrell's warranted pure lard	0.02	66.11	51.5	"	47648	"
'Wild Rose' brand pure lard	0.03	68.16	51.4	Light pink.	47649	"
.....	0.04	63.37	51.2	None.	47650	"

SUPPLEMENT TO BULLETIN No. 227 FERTILIZERS 1911.

CORRECTIONS.

Bulletin No. 227, page 11, sample No. 36942. This sample is found to contain 20.1 per cent. of phosphoric acid. It is identical with sample No. 46637 on page 5 of the same Bulletin, and the percentage of phosphoric acid there given as 12.25 should read 20.1—Sample 46637 is therefore up to its guarantee in phosphoric acid. The mistake was due to confusion of a license number with a registration number, by the Analyst.

