
LABORATORY
OF THE
INLAND REVENUE DEPARTMENT
OTTAWA, CANADA.

BULLETIN No. 322

MAPLE CONFECTIONS.

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OTTAWA, 17th. November, 1915.

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

SIR,—I beg to hand you a report dealing with fifty-eight (58) samples of confections, characterized as maple products, by use of the word maple in the name under which they are sold.

Maple Sugar and Maple Syrup are defined by an Order in Council of 20 March, 1911 (published as Circular G. 994), effective from 27 November, 1911; and by an Amendment to the Adulteration Act, assented to, 12 June, 1914, and effective from 1 January, 1915 (published as Circular G. 1152.)

These articles have frequently been made the subject of inspection, the last report upon Maple Sugar having been published as Bulletin No. 258, in April 1913 and that upon Maple Syrup, as Bulletin No. 259, also in April, 1913.

A further amendment to the Act was assented to on the 15th. April of this year, and this Amendment takes cognizance of other maple products than sugar and syrup, and restricts the use of the word *maple* to sugar and syrup. The text of this amendment, so far as maple products are concerned, is as follows:—

1. Section 29a of the Adulteration Act, Chapter 133 of the Revised Statutes, 1906, as enacted by chapter 19 of the statutes of 1914, is repealed and the following is substituted therefor:—

MANUFACTURE OR SALE OF ADULTERATED MAPLE SUGAR OR SYRUP.

"29a. No person shall manufacture for sale, keep for sale, offer or expose for sale, or sell, any article of food resembling or being an imitation of maple sugar or maple syrup, or which is composed partly of maple sugar or maple syrup, and which is not pure maple sugar or pure maple syrup.

ADULTERATED MAPLE SUGAR OR SYRUP DEFINED.

"2. Any maple sugar or maple syrup which is not up to the standard prescribed by the sixth schedule to this Act, or, if such standard is changed by the Governor in Council, to such standard as the Governor in Council may from time to time prescribe, shall be deemed to be adulterated within the meaning of this Act."

USE OF THE WORD "MAPLE" RESTRICTED TO PURE MAPLE SUGAR OR SYRUP.

"3. The word "maple" shall not be used, either alone or in combination with any other word or words, or letter or letters, on the label or other mark, illustration or device on a package containing any article of food, or on any article of food itself, which is not pure maple sugar or pure maple syrup, and

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any article of food labelled or marked in violation of this subsection shall be deemed to be adulterated within the meaning of this Act."

The order for collection of the articles now reported was issued on the 13th. April of this year, that is, before the last named amendment came into force; and for this reason, none of the samples are judged as adulterated. The object had in view from this inspection, was the ascertainment of the extent to which the word *maple* is actually in use as a designation of maple products other than sugar and syrup.

The result shows that, of the fifty-eight (58) samples reported, twenty-five (25) are sold as maple butter, five as maple cream and five as maple cheese. It is probable that in most of these cases, the employment of the words butter, cream and cheese, has regard primarily to the consistence of the article and is not intended to convey the idea that butter, cream or cheese enters into the composition of the confection.

A possible exception to this statement is found in an article of Maple Butter, manufactured by Maples, Limited, of Toronto. The label borne by this article contains the following:—

"Wholesome and delicious food luxury, made from pure Maple Sugar and fresh rich cream. For table use, in place of ordinary butter or jam; a superior substitute at less cost."

These statements appear to claim for the article an actual butter content. We find only 0.12 per cent of butter fat in the samples examined here; and I have information, from other sources, that samples analyzed elsewhere have yielded only traces of butter fat. Under these circumstances, it is clear that the claim is entirely unwarranted, and is misleading. Undoubtedly, a small amount of milk or cream has been used in the manufacture; but this amount is so insignificant that to claim a food value for it, or to insinuate that it may take the place of butter, is simply to deceive the purchaser.

One sample (No. 66028) consists of pop-corn, sweetened with maple, and possibly with other sugar. The amount of sugar present is too small to permit of certain identification.

Two samples sold as maple-buds, and one sample sold as rose-buds, are essentially chocolate, containing some maple sugar as a flavour. The word "buds" is probably used in reference to the shape of the confection.

Other samples are sold under various fancy names, as maple wafers; maple fudge; maple taffy; maple pudding; and others as compounds in the name of which the components are indicated, as maple fruit fudge; chocolate maple walnuts, etc.

None of these samples are offered as straight maple sugar or maple syrup; and in consequence of this fact, they do not come under regulations governing maple products which were in force at the time of the collection. It is quite apparent that in most of them, maple sugar is present merely for the purpose of giving a flavour to the article, just as lemon or vanilla might be present. It is, I think, open to question, whether the amendment of 15th. April last was intended to prohibit the employment of maple sugar as a flavouring material. Manufacturers have assured me that they have been extremely careful to purchase genuine maple sugar in order that they might thus secure a genuine maple flavour for their products. If they are forbidden to use the word *maple* in naming these products, it is difficult to see how they can find a market for them. In such cases, a statement that the goods are flavoured with maple sugar, is a simple statement of fact, and would not appear to violate the fundamental principle of the Act.

For reasons already given I have not judged any of these samples as adulterated; but in cases where cane sugar is present, I have made mention of the fact.

I beg to recommend publication of this report as Bulletin No. 322.

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.							
May 19	Maple wafers.	54021	Woolworth's, Ltd., Halifax.	1 lb.	15	Montreal Biscuit Co., Montreal.	Manufacturer ..
" 20	Maple cream..	54022	H. H. Marshall, Halifax..	1 "	30	Albert Smith, Elgin, N.B.	" ..
" 21	Maple butter.	54023	A. & W. Smith & Co., Halifax.	3 tins.	63	Maple's, Ltd., Toronto.	" ..
" 25	Maple wafers.	54024	Mo-r's, Ltd., Halifax.....	1 lb.	15	Vendors.....	.....
DISTRICT OF NOVA SCOTIA—							
June 3	Maple butter..	65832	James Cavanagh, New Glasgow.	3 tins.	60	Maple's, Ltd., Toronto.	R. McGregor & Son, New Glasgow.
" 3	Crema maple butter.	65833	D. J. Murray, New Glasgow.	3 "	45	Can. Maple Exchange.	.....
DISTRICT OF CAPE BRETON—							
May 6	Maple butter..	63811	Walter's Confectionery, Sydney.	3 jars.	45	Maple's, Ltd., Toronto.	.....
DISTRICT OF PRINCE EDWARD ISLAND—							
May 7	Maple butter..	60302	J. C. Crabbe, Charlottetown.	3 tins.	45	.....	Carvell Bros., Charlottetown
DISTRICT OF NEW BRUNSWICK—							
May 13	Maple butter..	66031	W. A. Simonds, St. John.	3 tins.	60	Maple's, Ltd., Toronto.	.....
June 22	Chocolate maple walnuts.	66032	The Corona Co., Ltd., St. John.	½ lb.	20	Vendors.....	.....
" 22	Maple fritters.	66033	T. J. Phillips, St. John..	3 pkgs	15	Vendor....	.....
" 22	Maple fudge..	66034	" " ..	3 "	15	" ..	.....
" 23	Maple walnuts	66035	M. E. Glass, St. John ..	3 "	45	Ganong Bros., Ltd., St. Stephen.	.....
May 19	Maple cre-mo.	66036	J. I. Davis & Son, St. John.	3 tins.	45	Can. Maple Exchange.	.....
June 16	Maple cream, chocolate bars	66037	H. H. Keirshead, Sussex	3 bars	30	Robertson Bros., Toronto.	.....
" 21	Maple cream crispettes.	66038	W. A. Simonds, St. John.	3 rolls	15	Maple Crispette Co., Montreal	.....
" 22	Maple cream chocolate.	66039	The Corona Co., Ltd., St. John.	3 pkgs	11	Vendors.....	.....
" 22	Maple cream taffy.	66040	White's Dairy, St. John..	3 "	11	The Corona Co., Ltd., St. John.	.....

MAPLE CONFECTIONS.

Inspector's Report. (Is not an expression of opinion.)	Results of Analysis.				No. of Sample.	Remarks and Opinion of the Chief Analyst.	
	Water.	Solids.	Results on dry basis.				Found.
			Lead number (Canadian)	Total Ash.			
R. J. WAUGH, INSPECTOR.							
Vendor stated that he would not guaran- tee these goods all maple.	5.06	.....	0.52	0.77	.....	54021 Cane sugar present.
.....	7.81	.....	1.59	0.63	.....	54022 " "
.....	12.80	87.20	2.64	.....	.....	54023 Meets legal require- ments.
.....	7.08	.....	0.26	0.50	.....	54024 Cane sugar present.
W. A. PETIPAS, TEMP. INSPECTOR.							
.....	10.48	89.52	5.04	.....	.....	65832 Meets legal require- ments.
.....	6.80	93.20	1.93	.....	.....	65833 " "
E. T. McKEEN, INSPECTOR.							
.....	6.40	93.60	3.41	.....	.....	63811 Meets legal require- ments.
WM. A. WEEKS, INSPECTOR.							
.....	5.80	94.20	1.23	0.23	.....	60302 Cane sugar present.
JOHN C. FERGUSON, INSPECTOR.							
Old Stock.....	12.08	87.92	2.52	.....	.....	66031 Meets legal require- ments.
.....	15.12	84.88	2.18	.....	Mixture of chocolate and maple sugar.	66032 " "
.....	8.40	91.60	0.08	0.53	.....	66033 Cane sugar present.
.....	10.36	89.64	0.90	0.51	.....	66034 " "
.....	8.00	92.00	0.68	0.20	Mixture of nuts and sugar.	66035 " "	
.....	14.40	85.60	1.84	0.90	.....	66036 Meets legal require- ments.
.....	15.92	84.08	4.80	.....	Mixture of chocolate and maple sugar.	66037 " "
.....	.....	.....	.....	.....	Popcorn.....	66038 Not analyzed.
.....	13.24	86.76	3.74	.....	Mixture of chocolate and maple sugar.	66039 Meets legal require- ments.
.....	5.56	94.44	0.24	0.42	.....	66040 Cane sugar present.

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.							
May 13	Maple cheese.	66041	W. A. Simond, St. John.	3 tins.	30	Maples, Ltd., Toronto.	
June 16	Maple walnuts.	66042	H. H. Keirstend, Sussex.	½ lb.	45	Robertson Bros., Ltd., Toronto.	
" 16	Maple buds chocolates.	66043	" " "	½ "	60		Ganong Bros., St. Stephen.
" 21	Maple buds.	66044	W. A. Simonds, St. John.	3 pkg	30	The Cowan Co., Ltd., Toronto.	
" 22	Maple chocolate fudge.	66045	White's Dairy, St. John.	3 "	15	The Corona Co., Ltd., St. John.	
" 23	Rosebuds.	66091	Wm. Hawker & Son, St. John.	3 "	45	Wm. Neilson, Toronto.	
" 23	Maple chocolate walnuts.	66092	W. H. Sharpe, St. John.	3 "	30	Ganong Bros., Ltd., St. Stephen.	

DISTRICT OF QUEBEC CITY—

April 2	Maple butter.	56360	Myrant & Pouliot, Quebec.	3 tins.	60	Maples, Ltd., Toronto.	J. B. Renaud & Cie.
" 22	" "	56320	Arthur Drolet, 714 St. Valer, Quebec.	3 "	60	Langlois Paradis.	Mfrs.
" 22	Maple cheese.	56321	" " "	3 "	30	" " "	" " "

DISTRICT OF QUEBEC PROVINCE—

April 23	Maple butter.	2753	Ed. Dancasse, Montmagny.	3 lb.	90	Maples, Ltd., Toronto.	
" 23	" "	2756	A. N. Normand, Montmagny.	3 "	75	" " "	
May 22	Maple pudding.	66483	Pierre Berube, Fraserville.	3 "	35	Perrin's Candy, Canada.	

DISTRICT OF MONTREAL—

April 30	Maple butter.	67301	Martin & Fils, 1718 Mason St., Rosemount.	3 tins.	60	Maples, Ltd., Toronto.	
" 30	Maple cream.	67302	W. Hawthorn, 1155 Mt. Royal Ave. E., Montreal.	3 "	36	V. B. Syrup Exchange.	
May 11	Maple butter.	67303	The Royal George Grocery, 221 Bernard Ave., Montreal.	3 "	45	Canada Maple Exchange.	

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MAPLE CONFECTIONS.

Inspector's Report. (Is not an expression of opinion.)	Results of Analysis.				Found.	No. of Sample.	Remarks and opinion of the Chief Analyst.
	Water.	Solids.	Results on dry basis.				
			Lead Nuts- per (Cans- Asian).	Total Ash.			

Concluded.

	p. c.	p. c.		p. c.			
	5.80	94.20	1.59	0.53		66041	Cane sugar present.
	7.04	92.96	0.15	0.28	Mixture of Nuts and Sugar.	66042	" "
Cowan's					Chocolate.	66043	Not analyzed as maple.
					" "	66044	" "
	8.00	92.00	1.15	0.60	Mixture of Chocolate and Sugar.	66045	Cane sugar present.
Nelson's vendor stated that sample was similar to Cowan's Maple Buds.					Chocolate.	66091	Not analyzed as maple.
	1.04	98.96	1.66	0.22	Mixture of Chocolate and Sugar.	66092	Cane sugar present.

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

	10.96	89.04	2.22			56360	Meets legal require- ments.
	14.84	85.16	1.40	0.44		56520	Cane sugar present.
	6.76	93.24	2.36			56521	Meets legal require ments.

T. GENDREAU AND A. PELETTIER, TEMPORARY INSPECTORS.

	15.60	84.40	1.16	0.37		2753	Cane sugar present.
	12.32	87.68	3.73			2755	Meets legal require- ments.
	13.72	86.28	1.83	0.62	Mixture of Nuts and Maple Sugar.	56453	" "

D. J. KEARNEY, INSPECTOR.

	10.96	89.04	1.79	0.40		67301	Doubtful.
	11.48	88.52	0.19	0.47		67302	Cane sugar present.
	12.96	87.04	1.11	0.60		67303	"

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 VALLEYFIELD—							
1915.							
April 22	Maple butter.	57931	Graham & Hunter, St. Lambert.	3 tins.	75	Maples, Ltd., Toronto.	.....
" 22	" ..	57932	W. R. Simpson, St. Johns.	3 "	45	Canada Maple Exchange.	.....
DISTRICT OF OTTAWA—							
April 20	Maple butter.	63608	J. T. Conway, Perth.	3 tins.	45	Can. Maple Exchange, Montreal.	.....
" 17	" ..	63621	A. M. Parkinson, Kemptville.	3 "	60	Maples, Ltd., Toronto.	.....
" 27	Maple cream.	63627	Michael Vise, Renfrew.	1 cake	10	Unknown	Unknown
" 30	Maple cream butter.	63638	Wall & Co., Ottawa.	3 tins.	30	Ramsays, Ltd., Montreal.	.....
DISTRICT OF KINGSTON—							
April 29	Maple butter.	68052	J. Gilbert, Kingston.	3 tins.	30	Maples, Ltd., Toronto.	.....
DISTRICT OF TORONTO—							
May 13	Maple cheese.	67074	D. J. Dunsheath, Beaver ton.	3cans	30	Maples, Ltd., Toronto.	Unknown
" 15	Maple cream.	67075	G. Georgas, Midland.	1 lb.	25	Vendor. ....	.....
" 27	Maple butter.	67083	Maples, Ltd., Toronto.	3cans.	45	Vendors. ....	.....
DISTRICT OF HAMILTON—							
April 27	Maple butter.	67003	Steele Bros., Palmerston.	3cans.	60	Maples, Ltd., Toronto.	.....
" 28	Maple Bon Bon.	67004	R. G. Lambert & Sons, Hamilton.	1 lb.	20	.....	Geo. E. Bristol & Co., Hamilton.
May 5	Maple butter.	67011	A. G. Bain & Co., Hamilton.	3cans.	20	Can Maple Exchange.	.....
" 5	Maple fruit fudge.	67012	F.W. Woolworth, Ltd., 31 King St. E., Hamilton.	1 lb..	20	Quaker Candy Co., Toronto.	.....
" 5	Maple cream.	67013	James Crawford, 34 King St. E., Harriston.	1 "	30	Vendor. ....	.....
" 6	Maple granulo sugar.	67014	James Osborne & Sons, 12 James St. S., Hamilton.	1 pkg.	25	Can. Maple Exchange, Montreal.

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MAPLE CONFECTIONS.

Inspector's Report. (Is not an Expression of opinion.)	Results of Analysis.				Found.	No. of Sample.	Remarks and Opinion of the Chief Analyst.
	Water.	Solids.	Results on dry basis.				
			Lead Num- ber (Can- adian.)	Total ash.			
J. J. COSTIGAN, ACTING INSPECTOR.							
	p. c.	p. c.		p. c.			
	14.08	85.92	1.28	0.37		57931	Cane sugar present.
	14.08	85.92	1.09	0.63		57932	" "
J. A. RICKEY, INSPECTOR.							
Cremo, Small's the genuine Cremo maple butter.	15.00	85.00	1.88	0.88		63608	Meets legal require- ments.
Lion Brand made from pure maple sugar and fresh rich cream.	11.80	88.20	2.54			63621	" "
	3.17		2.14	0.62		63627	" "
	12.00	88.00	0.50	0.25		63638	Cane sugar present.
JAMES HOGAN, INSPECTOR.							
	13.92	86.08	3.30			68052	Meets legal require- ments.
H. J. DAGER, INSPECTOR.							
	2.92	97.08	2.10			67074	Meets legal require- ments.
	7.56	92.44	0.43	0.22		67075	Cane sugar present.
	10.56	89.44	2.93			67083	Meets legal require- ments.
H. J. DAGER, ACTING INSPECTOR.							
Lion Brand.	10.40	89.60	1.90			67003	Meets legal require- ments.
	4.67		0.23	0.23		67004	Cane sugar present.
Cremo Brand.	4.80	95.20	1.45	0.51		67011	" "
	10.60	89.40	2.10		Mixture of fruit and maple sugar.	67012	Meets legal require- ments.
	2.10	97.84	4.00			67013	" "
	0.08	99.92	0.64	0.24		67014	Cane sugar present.

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-							
1915.							
April 26	Maple butter.	61321	J. Jost, Sargent Ave., Winnipeg.	1 lb.	75	Maples, Ltd., To- ronto	.....
" 26	Maple cheese.	61322	" " "	3 pkgs	30	" "	.....
DISTRICT OF SASKATCHEWAN-							
April 27	Maple butter.	66359	Conlin Bros., Swift Cur- rent.	3 cans	75	Maples, Ltd., Toronto.	Swift Current Grocery.
DISTRICT OF ALBERTA-							
April 30	Maple butter.	52151	Johnstone Walker, Ltd., Edmonton.	3 tins.	75	Maples, Ltd., Toronto.	.....
May 21	Maple cheese.	52152	Pryce Jones (Can.) Ltd., Calgary.	3 c'kes	30	" "	.....
DISTRICT OF ROCKY MOUNTAINS-							
May 20	Maple butter.	61813	Ira R. Manning, Ltd., Cranbrook.	3 tins.	100	Maples, Ltd., Toronto.	.....
DISTRICT OF VANCOUVER-							
May 3	Maple butter.	55244	T. W. Turner, 890 Pender St. W., Vancouver.	3 tins.	75	Maples, Ltd., Toronto.	.....
DISTRICT OF VICTORIA-							
May 31	Maple butter.	66717	West End Grocery, Ltd., 1002 Govt. St., Victoria.	3 tins.	75	Maples, Ltd., Toronto.	.....

MAPLE CONFECTIONS.

Inspector's Report. (Is not an expression of opinion.)	Results of Analysis.					No. of Sample.	Remarks and Opinion of the Chief Analyst.
	Results on dry basis.						
	Water.	Solids.	Lead Nump- ler (Cann- dian).	Total Ash.	Found.		

A. C. LARIVIERE, INSPECTOR.

	p. c.	p. c.		p. c.			
.....	11.76	88.24	1.33	0.35	.....	61321	Cane sugar present.
.....	6.92	93.08	1.49	0.44	61322	" "

L. H. HALL, INSPECTOR.

.....	11.72	88.28	1.81	0.44	66359	Doubtful.
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A. W. R. MARKLEY, INSPECTOR.

.....	9.92	91.08	1.37	0.37	52151	Cane sugar present.
.....	3.48	96.52	0.90	0.34	52152	" "

THOS. PARKER, INSPECTOR.

.....	11.28	88.72	2.57	61813	Meets legal require- ments.
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E. J. MORGAN, INSPECTOR.

Leo Brand	9.50	90.50	6.31	55244	Meets legal require- ments.
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D. OSULLIVAN, INSPECTOR.

Leo Brand	16.32	83.68	2.90	66717	Meets legal require- ments.
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