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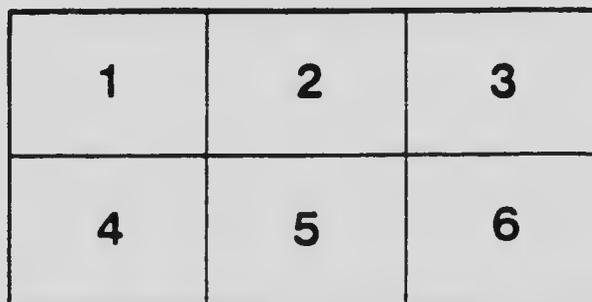
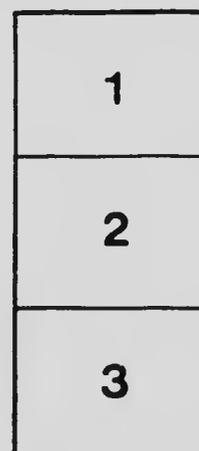
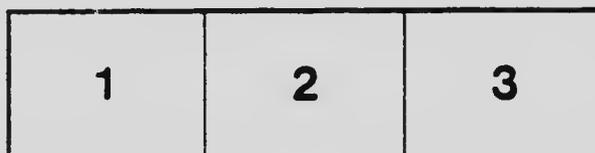
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LABORATORY
OF THE
INLAND REVENUE DEPARTMENT

OTTAWA, CANADA

BULLETIN No. 217

STRAINED HONEY.



LABORATORY
OF THE
INLAND REVENUE DEPARTMENT
OTTAWA, CANADA.

BULLETIN No. 217

STRAINED HONEY.

W. J. GERALD, Esq.,
Deputy Minister of Inland Revenue.

OTTAWA, October 4, 1910.

SIR,—I beg to hand you a report upon 148 samples purchased in June and July of this year, as Strained Honey. The collection represents all parts of the Dominion. Three samples purchased in Montreal, are labelled as compound. Section 30 of the Adulteration Act forbids the sale of imitations of honey, and a circular (G.862 was issued by the department, and dated Jan. 20, 1909, as follows:—

'Under Section 30 of the 'Adulteration Act' the manufacture, sale or offering for sale in Canada of any imitation of honey or sugar honey or other substitute for honey is strictly forbidden. The provisions of Section 24 of the said Act respecting the use of the word 'mixture' does not apply to honey and any production or sale of this article as a compound is absolutely prohibited.'

The punishment for an offence against the provisions of Section 30, above referred to, is determined by Section 164 of the Criminal Code and consists in the liability to a term of imprisonment for one year.' It appears from correspondence with vendors that the sale of compound honey has been due to ignorance of the existence of any prohibition in the case.

With regard to the remaining 145 samples, decision as to their genuineness will depend upon the constants accepted as limits of variability for true honey. This important matter has more than once been brought to the notice of those interested by the late Chief Analyst, in Bulletin 90 (1903), and by myself in Bulletin 145 (1908). In November, 1908, I addressed the Ontario Bee-Keepers' Association at Toronto, upon the subject of standards for honey, and, in consequence the following letter was forwarded to the Deputy Minister.

ONTARIO DEPARTMENT OF AGRICULTURE,
PARLIAMENT BUILDINGS,
TORONTO, November 30, 1908.

DEAR SIR,—I beg to transmit you herewith copy of resolution which was passed at the last meeting of the Ontario Bee-Keepers' Association held in Toronto, November 11-13.

7882—1½

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I might say that this resolution was passed toward the close of the Convention. Mr. McGill, Chief Analyst of your department gave the members a very clear address on the 'Adulteration of Honey.' Our members had considered this matter more or less for a number of years, and the attendance at the session when Mr. McGill delivered his address was the best that we have known for a long time, so that a great deal of interest was taken in the matter. The discussion on the paper lasted through the succeeding three sessions and finally culminated in the adoption of the inclosed resolution.

As an Association, we are now asking your department for the necessary legislation to be passed whereby the sense of the aforementioned resolution will become law.

The discussion on Mr. McGill's address as well as the address itself will be published in full in the Annual Report, and I will have much pleasure in sending a copy to you on receipt of the same from the King's Printer.

Very truly yours,

(Sgd). P. W. HODGETTS.

W. J. GERALD, Esq.,
Deputy Minister,
Inland Revenue Department,
Ottawa, Ont.

Resolution :

'Recognizing the importance of legal definition in the case of honey, this Association respectfully recommends the adoption of the following description as embodying the present state of our knowledge regarding Canadian Honeys.

'Honey is entirely the product of the work of bees (*Apis Mellifica*) operating upon the nectar of flowers, and other saccharine exudations of plants; and contains not more than 25 per cent of water, or more than 8 per cent of sucrose (cane sugar), nor less than 60 per cent of invert sugar. It does not give a blue colour with iodine (absence of starch syrup) nor a red colour with aniline acetate (absence of artificial invert sugar) nor a dark colour with Ley's reagent (ammoniacal silver) nor a marked precipitate of dextrin, on adding large excess of alcohol (absence of glucose syrup).'

Applying to the 145 samples sold as genuine honey, the standards suggested in the above definition of honey, it is found that seventeen samples exceed 25 per cent of water, although the excess is in most of these cases so small as to be negligible. In only one instance does it notably exceed 27 per cent (No. 39937), and in this sample it is probable that water has been added. None of the specific tests show the presence of other adulterants except in the case of No. 38760 and 37971, which give reaction for invert sugar, possibly added as such.

Section 5 of the Adulteration Act prohibits the feeding of bees with sugar, except for the purpose of being consumed by them as food; and makes the supplying of sugar to bees with intent to production of honey, a wilful adulteration of honey. Small amounts of cane sugar are found in genuine honey; but it is extremely rare to find more than 8 per cent, and the standard fixed for the United States of America makes 8 per cent of cane sugar the limit in legal honey. Elsewhere I have suggested that a limit of 10 per cent be fixed for Canada, to ensure that no genuine honey should be condemned; since it has occurred in the history of this laboratory that one or two samples of honey, believed to be genuine, have given nearly 10 per cent of cane sugar. The Ontario Bee-Keepers Association has, however, declared in favour of an 8 per cent limit for cane sugar. It will be seen that eight (8) samples of the present collection, sold as genuine honey, contain above 8 per cent of cane sugar. Of this number, two contain such large amounts, viz. 18.0 and 25.15 per cent that I am compelled to judge them adulterated, under the Act. The other six samples contain from 9.3 to 13.1 per cent cane sugar, and I have marked them as of doubtful purity, a concession which may be allowed until such time as the suggested standard of 8 per cent becomes law.

The following synopsis of past work on honey is of interest:—

Year.	Bulletin.	Total Samples.	Found Genuine.	Found Doubtful.	Found adulterated.	Sold as compound.
1897.....	17	183	164		19	—
1903.....	20	99	81	5	13	—
1906.....	122	54	44		9	1
1908.....	145	253	219	4	16	14
1908.....	148	111	135	3	2	1
1910.....	217	148	122	20	3	3

It is satisfactory to know that honey, as offered for sale in Canada, is for the most part a genuine product.

I beg to recommend the publication of this report as Bulletin No. 217.

I have the honour to be, sir,

Your obedient servant,

A. MCGILL,
Chief Analyst.

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

DISTRICT OF NOVA SCOTIA—

1910.							
June 29	Strained Honey.	42021	Shore & Campbell, Halifax, N.S.	3 lbs.	75	L. Hill, Port Williams, N.S.	Labelled Pure
July 5	"	42022	T. H. Brown, Halifax, N.S.	3 "	75	Howard Mfg. Co., Halifax, N.S.	"
" 5	"	42023	City Provision Store, Halifax, N.S.	3 bots.	45	F. W. Fearman, Hamilton, Ont.	Labelled Pure..
" 5	"	42024	J. St. Clair, Coombes, N.S.	3 "	45	Nat. Drug and Chem. Co., Halifax, N.S.	"
" 6	"	42025	Nat. Drug and Chem. Co., Halifax, N.S.	2 lbs.	50	Robinson & Co., H ford, Ont.	"
" 7	"	42026	Bankl. Bros., Ltd., Halifax, N.S.	3 bots.	60	P. S. McGregor & Son, Kingston, N.S.	Labelled Pure..
" 7	"	42027	Brown Bros. & Co., Halifax, N.S.	1 1/2 lbs.	35	Nat. Drug and Chem. Co., Halifax, N.S.	"
" 13	"	42028	J. W. Livingstone, Windsor, N.S.	3 bots.	45	L. Hill, Port Williams, N.S.	Labelled Pure .
" 14	"	42029	W. L. Ormond, Am. herst, N.S.	2 lbs.	40	F. W. Fearman, Hamilton, Ont.	Sold as Clover Honey.
" 14	"	42030	R. C. Fuller & Co., Amherst, N.S.	3 bots.	45	Nat. Drug and Chem. Co., St. John, N.B.	Labelled Pure White Clover.

DISTRICT OF PRINCE EDWARD ISLAND—

June 29	Strained Honey.	38755	H. J. Mabon, Souris, Souris.	3 bots.	75	Nat. Drug and Chem. Co., Halifax, N.S.	Pure Extracted Honey
" 21	"	38756	Mathew & McLean, Souris.	3 "	48	The Brayley Drug Co., Ltd., St. John, N.B.	Pure White Clo- ver Honey.
" 23	"	38757	Keir & McFadyn, Kensington.	3 "	38	Dr. Keir, Kensing- ton.	"
" 24	"	38758	Waugh & Steeves, Summerside.	3 "	60	J. Johnson, Long River, P.E.I.	"
" 24	"	38759	McGougan & Wright, Summerside.	3 "	60	A. K. Widden, North Beleque, P.E.I.	Warranted Pure Honey.
" 29	"	38760	Sanderson & Co., Charlottetown.	3 "	45	"	Upton's Pure Clarified Hon- ey.
" 29	"	38761	W. N. Fanton, Char- lottetown.	3 "	45	Vendor	Warranted Pure
July 4	"	38762	L. A. Hazard, Char- lottetown.	3 "	45	Harold Newson, Rocky Point, P.E.I.	"
" 5	"	38763	Paul & Thompson, Montague.	3 "	60	Upton, Montreal....	Pure Clarified Honey.
" 5	"	38764	Mrs. D. Johnson, Montague.	3 "	75	The Canada Drug Co., St. John, N.B.	"

DISTRICT OF NEW BRUNSWICK—

June 15	Strained Honey.	45276	W. H. Bell, St. John, N.B.	3 bots	65	Leonard A. Hill, Port Williams, N.S.	Warranted Pure Honey.
" 16	"	45277	James Collins, St. John, N.B.	3 "	60	E. L. Colpitts, Petit- codiac, N.B.	Pure Honey
" 16	"	45278	W. A. Porter, St. John, N.B.	3 "	55	"	"

STRAINED HONEY.

RESULTS OF ANALYSIS.								No. of Sample.	Remarks and Opinion of the Chief Analyst.
Water, p.c.	Polarization at 20° C.			Cane Sugar by Clerget Formula, p.c.	Physical Characteristics.				
	Direct.	Invert.	Difference.		Colour.	Granulation.			
R. J. WAUGH, INSPECTOR.									
23.3	-11.8	-15.7	3.7	2.7	Dark straw...	None....	42021	Genuine.	
20.5	-13.6	-16.8	3.2	2.3	White.....	Complete.	42022	"	
20.5	-15.9	-18.5	2.6	2.0	Light straw...	" ..	42023	"	
27.0	-13.3	-14.8	1.5	1.1	" ..	None.....	42024	Water high; otherwise genuine.	
21.1	-14.9	-17.3	2.4	1.8	White.....	Complete.	42025	Genuine.	
24.5	-10.0	-15.1	5.1	3.8	Light brown...	None.....	42026	"	
21.0	-10.3	-11.9	4.6	3.4	Light straw...	Complete.	42027	"	
22.2	-10.4	-18.4	8.0	6.0	Straw.....	None.....	42028	"	
22.7	-13.7	-18.7	5.0	3.7	White.....	Complete.	42029	"	
27.4	-5.5	-19.0	13.5	10.0	Dark brown...	Slight....	42030	Water and cane sugar high; otherwise genuine.	
THEO. MOORE, INSPECTOR.									
27.4	-4.2	16.7	12.15	9.3	Light straw...	Partial....	38735	Water and cane sugar high; otherwise genuine	
27.5	-12.8	18.2	5.4	4.1	" ..	" ..	38736	Water high; fermenting; otherwise genuine.	
23.4	-11.9	-16.9	5.0	3.7	" ..	" ..	38737	Genuine.	
23.3	-12.8	-16.0	3.2	2.3	" ..	Complete	38738	"	
21.5	-14.5	-18.1	3.6	2.6	White.....	" ..	38739	"	
25.0	-14.0	-17.1	3.1	2.3	Light straw...	Partial....	38740	Furfural reaction with aniline acetate; Ley's test, reddish brown; doubtful.	
23.6	-11.6	-18.1	3.5	2.5	" ..	None....	38761	Genuine.	
21.7	-13.4	-18.7	5.3	4.0	" ..	Partial....	38762	"	
25.0	-20.4	-23.5	3.1	2.3	Dark straw...	" ..	38763	"	
28.4	-16.5	-21.6	5.1	3.8	Straw.....	" ..	38764	Water high; fermenting; otherwise genuine.	
J. C. FERGUSON, INSPECTOR.									
23.2	-12.0	-16.2	4.2	3.1	Dark straw...	None....	45276	Genuine.	
24.5	-14.4	-16.7	2.3	1.8	Light brown...	" ..	45277	"	
24.1	-11.2	-16.8	2.6	2.0	Dark straw...	Complete.	45278	"	

Date of Collection.	Nature of Sample.	No. of Sample.	Name and Address of Vendor.	Cost.		Name and Address of Manufacturer or Furnisher as given by the Vendor.	Inspector's Report. (Is not an expression of opinion).
				Quantity.	Cents.		
DISTRICT OF NEW BRUNSWICK—							
1910.							
June 17	Strained Honey.	45279	G. E. Barbour Co., Ltd., St. John, N.B.	3 bots.	50	Rathford & Marshall, Toronto, Ont.	'Gold Bond', Pure Bee's Honey.
" 24	"	45280	Geo. F. Crawford, Stephen, N.B.	3 "	75	George F. Beach, Honeydale, N.S.	Pure Clover Honey.
July 5	"	45281	W. A. Estabrook, Fredericton, N.B.	3 "	75	F. W. Fearman Co., Hamilton.	Labelled Pure Honey; vendor would not guarantee purity.
" 5	"	45282	Garden Bros., Woodstock, N.B.	Wo 1-2 "	60	G. S. Peabody, Woodstock, N.B.	.....
" 19	"	45283	Sussex Mercantile Co., Ltd., Sussex, N.B.	3 "	60	W. E. Bishop, Pleasant Vale, N.B.	Warranted Pure Honey.
" 19	"	45284	S. L. Stockton, Petitcodiac, N.B.	3 "	65	E. L. Colpitts, Petitcodiac, N.B.	Brookside Apiary Pure Honey.
" 20	"	45285	G. O. Stratton, Moncton, N.B.	3 "	90	Chas. E. Norton, Sunny Brae, N.B.	Warranted Pure Extracted Honey.
DISTRICT OF QUEBEC—							
June 24	Strained Honey.	36433	Jos. A. Barrette, Riviere.	Petite 3 bots.	60	Vendor .....	.....
" 24	"	36434	Jos. E. Rousseau, Rue St. Valier.	1,280 3 "	36	Chas. Gauvin, Ancienne Lorrette.	.....
" 24	"	36435	Albert Faucher, Rue St. Bernard.	49 3 "	60	Unknown .....	.....
" 24	"	36436	" "	" 3 "	54	" .....	.....
" 21	"	36437	Adrien Hebert, Acaduc.	99 Rue 3 "	45	" .....	.....
" 21	"	36438	Elzear Dumontigny, 187 Rue Kironack.	3 "	45	" .....	.....
" 24	"	36439	Alfred G. Ganon, Rue St. Germain.	111 3 "	60	N. Turcotte & Cie, Quebec.	.....
" 24	"	36440	Dell A. Peticlerc, Rue St. Germain.	99 3 "	40	W. Brunette & Cie, Quebec.	.....
" 24	"	36441	Nazaire Cote, St. Ambrose.	79 Rue 3 "	45	Unknown .....	.....
" 24	"	36442	Hamel & Bedard, Rue St. Valier.	728 3 "	45	Pierre Hamel, Ancienne Lorrette.	.....
DISTRICT OF ST. HYACINTHE—							
June 22	Strained Honey.	1338	G. L. Elmes, Farnham.	2 lb.	36	Gunn, Langlois & Co., Montreal.	After purchase vendor stated he did not know whether sample sold was pure or not.
" 24	"	1339	Woodman & McKee, Coaticook.	14 "	25	" .....	.....

STRAINED HONEY.

RESULTS OF ANALYSIS.							No. of Sample.	Remarks and Opinion of the Chief Analyst
Water, p.c.	Polarization at 20° C.			Cane Sugar by Clerget, Formula, p.c.	Physical Characteristics.			
	Direct.	Invert.	Difference.		Colour.	Granulation.		
J. C. FERGUSON, INSPECTOR— <i>Continued.</i>								
20.2	-8.5	-18.7	10.2	7.6	Light straw...	None...	45279	Genuine.
25.3	-12.9	-15.0	2.1	1.6	Dark straw...	Partial...	45280	Water high; otherwise genuine.
21.4	-16.4	-18.7	2.3	1.8	Light straw...	Complete.	45281	Genuine.
23.1	-14.3	-18.1	3.8	2.8	Dark straw...	Partial...	45282	"
22.8	-14.1	-17.3	3.2	2.3	Straw.....	None.....	45283	"
25.1	-5.6	10.0	4.4	3.2	Light brown	"	45284	Water high; otherwise genuine.
26.2	-15.0	-18.7	3.7	2.7	Straw.....	"	45285	"

E. BELAND, INSPECTOR.

21.4	+1.2	-14.6	15.8	11.8	Light straw...	None.....	36433	Cane sugar high; otherwise genuine.
19.1	0.8	-14.8	14.0	10.4	White.....	Complete.	36434	"
25.2	-5.7	-8.8	3.1	2.3	Dark straw...	None.....	36435	Water high; otherwise genuine.
23.0	+2.1	-14.0	16.1	12.0	Straw.....	"	36436	Cane sugar high; otherwise genuine.
22.1	-6.0	-15.3	9.3	6.9	White.....	Complete.	36437	Genuine.
22.0	-15.2	-20.6	5.4	4.1	Straw.....	"	36438	"
19.3	-5.0	-11.1	6.1	4.5	"	Partial...	36439	"
20.8	-0.5	-18.1	17.6	13.1	Light straw...	None.....	36440	Cane sugar high; otherwise genuine.
19.2	-10.6	-15.4	4.8	3.6	White.....	Complete.	36441	Genuine.
20.8	-6.5	-14.0	7.5	5.5	"	"	36442	"

J. C. ROULEAU, INSPECTOR.

20.2	-11.4	-16.6	5.2	3.9	White.....	Complete.	1338	Genuine.
25.0	-17.5	-20.1	2.6	2.0	Light Straw...	Partial...	1339	"

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

DISTRICT OF ST. HYACINTHE—

1910.							
June 25	Strained Honey.	1340	L. Peloquin, St. Hyacinthe.	2 lb.	30	Stock de Daignault & Cie, St. Hyacinthe.	
" 27	"	1341	F. M. Chagnon, Sorel.	3 bots.	45	The T. Upton Co., Ltd, Hamilton.	Pure Clarified Honey.
" 27	"	1312	A. O. Comrie, St. Francois du Lac.	1½ lb.	45	Vendor	
" 30	"	1343	A. J. Boisvert, Plessisville.	25 oz.	26	Mde Yve Bedard, Lourdes.	
" 30	"	1344	A. W. Beausoleil, Richmond.	1½ lb.	23	Gunn, Langlois & Cie., Montreal.	
July 12	"	1345	Magasin Co-operatif, Thetford Mines.	2 bots.	50	Jacques Jarret, Charlesbourg.	
" 13	"	1346	Thos. Cameron, Lake Megantic.	2 "	40		Upton's Pure Clarified Honey
" 19	"	1317	O. Huard, St. Denis River Rich.	20 oz	13	A. Girard, St. Denis.	

DISTRICT OF MONTREAL—

June 17	Strained Honey.	39937	A. Rochon, 45 Prince Arthur E., Montreal.	3 jars	30		
" 17	"	39938	F. Aubin & Co., St. Lawrence Market, Montreal.	3 "	45	Z. Limoges, Montreal.	
" 17	"	39939	T. Gongeon, 368 Dorchester W., Montreal.	3 "	45		Labelled Upton's Pure Clarified Honey.
" 20	"	39940	J. H. Giroux, St. Agathe de Monts.	3 "	30		Labelled Miel Canadian; marked compound.
July 5	"	39941	E. P. Dame, 312 Bleury, Montreal.	3 "	45	J. A. Vaillancourt, Montreal.	
" 5	"	39942	O. Martel, 166 Dorchester W., Montreal.	3 "	30	J. A. Perrault Cie, Montreal.	Labelled Miel Canadian Compound.
" 13	"	39943	Murphy Bros., 569 St. James E., Montreal.	3 "	45		
" 20	"	39944	S. L. Desaulniers, 427 Notre Dame W., Montreal.	2½ lb.	25		After purchase of sample vendor stated it was compound; sample from tin labelled St. Roch; Can. Compound.
" 21	"	39945	T. A. Wood & Co., 54 Aylmer st., Montreal.	3 jars.	60	Howe McIntyre Co., Montreal.	
" 21	"	39946	Longeway & Lewis, 305 St. Antoine, Montreal.	3 "	45		

STRAINED HONEY.

RESULTS OF ANALYSIS.							No. of Sample.	Remarks and Opinion of the Chief Analyst.
Water, p.c.	Polarization at 20° C.			Cane Sugar by Clerget Formula, p.c.	Physical Characteristics.			
	Direct.	Invert.	Difference.		Colour.	Granulation.		
J. C. ROULEAU, INSPECTOR—Concluded.								
23.4	-17.2	-20.6	3.4	2.5	White.....	Complete.	1340	Genuine.
22.6	-17.0	-20.3	3.3	2.5	Dark straw .	" ..	1341	"
22.0	-10.5	-16.7	6.2	4.6	Light brown .	None.....	1342	"
24.8	-18.0	-23.5	5.5	4.1	" ..	" ..	1343	"
22.6	-15.8	-17.7	1.9	1.4	White.....	Complete.	1344	"
22.2	-4.7	-13.4	8.7	6.5	Pale straw....	None.....	1345	"
23.7	-17.9	-21.6	3.7	2.7	Light brown..	Partial...	1346	"
22.7	-15.3	-18.0	2.7	2.0	" ..	Complete.	1347	"
J. J. COSTIGAN, INSPECTOR.								
35.1	+15.1	-16.9	1.8	1.3	Light straw...	Partial....	39937	Water high; water probably added; adulterated.
26.0	-14.8	-19.1	4.3	3.2	" ..	None.....	39938	Water high; otherwise genuine.
23.0	-15.8	-19.6	3.8	2.8	Dark straw....	Partial....	39939	Genuine.
28.3	+10.7	+9.0	18.7	13.9	Brown.....	None.....	39940	Sold as compound; illegal.
25.3	-17.1	-20.5	3.4	2.5	Dark straw....	Partial....	39941	Water high; otherwise genuine.
25.0	-11.4	+9.6	19.8	14.8	Light brown..	None.....	39942	Sold as compound; illegal.
28.2	-15.0	-17.7	2.7	2.0	Straw.	Partial....	39943	Water high; otherwise genuine.
26.0	+7.7	+26.5	50.2	37.5	Light brown..	None.....	39944	Sold as compound; illegal.
25.5	-16.7	-19.4	2.7	2.0	White.....	Complete.	39945	Water high; otherwise genuine.
24.2	-14.0	-17.8	3.8	2.8	Light straw..	" ..	39946	Genuine.

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

DISTRICT OF OTTAWA—

1910.							
June 11	Strained Honey.	43036	Allan Soper, Brockville.	3 lots.	45	J. Coon, Merton, Ont.	
" 15	"	43037	R. E. Powell, Elgin St., Ottawa.	3 "	75	Alex. McLaughlin	Labelled pure honey.
" 15	"	43038	J. C. Wilson, Elgin St., Ottawa.	3 "	60	Unknown	
" 15	"	43039	J. H. Laishley, 513 Main St., Ottawa.	3 "	75	Anstiss & Langdon, Ottawa	Labelled Extracted Honey, W. T. Kincella, Cumberland, Ont.
" 15	"	43040	D. Seguin, Hull.	3 "	75	H. N. Bate & Sons, Ottawa.	Labelled pure honey.
" 15	"	43041	O. Lemieux, Hull.	3 "	60	Anstiss & Langdon, Ottawa.	Labelled guaranteed pure honey, Peter Bourgeau, Luskville, P.Q.
" 15	"	43942	P. H. Charron, Hull.	3 "	60	Mr. Bourgeau, Mountain Road, Hull.	
" 15	"	43013	J. B. Kemp, Pembroke.	3 "	45	F. J. Castle Co., Ottawa.	
" 25	"	43044	G. W. Armstrong, Cornwall.	3 "	90	J. H. Fickes, Mille Roche, Ont.	Labelled pure honey.
July 4	"	43045	Jas. H. Bradley, Prescott.	3 "	75	H. N. Bate & Sons, Ottawa.	

DISTRICT OF KINGSTON—

June 16	Strained Honey.	45736	J. Redden, Kingston.	2 lbs.	45	Robert Shannon, Battersea.	
" 16	"	45737	J. McCulla, Kingston.	1½ "	45	J. Y. Parkhill, Kingston.	
" 17	"	45738	A. Glover, Kingston.	1½ "	30	E. Blain, Ltd., Toronto.	'Anchor' brand.
" 17	"	45739	J. Gilbert, Kingston.	1½ "	45	R. A. Marleson, Cataraqui.	
" 17	"	45740	J. Campbell, Kingston.	1½ "	45	.....	Upton's pure clarified honey.
" 17	"	45741	E. Mullin, Kingston.	1½ "	60	Guce's, Ltd., Toronto.	
" 20	"	45742	F. Perry, Napanee.	1½ "	45	Unknown	
" 21	"	45743	A. C. Babcock, Lindsay.	2 "	75	W. Ryan, Toronto.	
" 20	"	45744	W. Patterson, Belleville.	1½ "	45	Otron, Belleville.	
" 21	"	45745	J. Flurey, Lindsay.	2 "	45	G. Cornel, Lindsay.	

DISTRICT OF TORONTO—

June 18	Strained Honey.	45077	Hamilton Grocery, 124 Jas. St. North, Hamilton.	3 cans	45	Unknown	Vendor buys in bulk and fills his own cans.
" 21	"	45078	C. F. Thorne, 107 Nassau St., Toronto.	3 "	45	A. Moyer, Toronto.	Labelled Pure Honey.

STRAINED HONEY.

RESULTS OF ANALYSIS.							No. of Sample.	Remarks and Opinion of the Chief Analyst.
Water, p. c.	Polarization at 20° C.			Cane Sugar by Clorpet For- mula, p. c.	Physical Characteristics.			
	Direct.	Invert.	Differ- ence.		Colour.	Granula- tion.		

J. A. RICKEY, INSPECTOR.

22.2	-12.3	-15.4	3.1	2.3	Straw	Complete.	43036	Genuine.
22.0	-15.1	-19.1	4.0	3.0	White		43037	"
22.3	+ 2.5	-21.7	24.2	15.0	Dark straw . . .	Slight	43038	Cane sugar high; adulterated
22.9	-11.9	-17.9	6.0	4.5	Straw	Partial	43039	Genuine.
21.7	-15.6	-19.1	3.5	2.8	Light straw . . .	None	43040	"
23.4	- 8.2	-17.9	9.7	7.2	Brown	Slight	43041	"
21.5	- 9.1	-19.8	10.7	8.0	White	Complete.	43042	"
21.9	-12.8	-18.5	5.7	4.3	Light brown . . .	Partial	43043	"
17.4	-12.0	-15.4	3.4	2.5	Straw	Complete.	43044	"
22.4	-15.1	-19.1	4.0	3.0	"	None	43045	"

JAS. HOGAN, INSPECTOR.

23.8	-12.4	-16.0	3.6	2.6	Light straw . . .	Partial	45736	Genuine.
24.0	-12.8	-18.8	6.0	4.5	"	"	45737	"
25.4	-15.7	-18.0	2.3	1.8	"	"	45738	Water high, otherwise genuine
24.0	-14.0	-19.2	5.2	3.9	"	None	45739	Genuine.
24.1	-14.6	-20.8	6.2	4.6	Dark straw . . .	Partial	45740	"
22.8	-19.3	-21.6	2.3	1.8	White	Complete.	45741	"
22.9	-15.9	-19.5	3.6	2.6	"	"	45742	"
24.0	-11.5	-18.6	7.1	5.3	Dark straw . . .	Partial	45743	"
22.6	-11.6	-16.6	5.0	3.7	Light straw . . .	Complete	45744	"
23.4	-17.9	-21.3	3.4	2.5	Straw	None	45745	"

H. J. DAGER, INSPECTOR.

22.1	-18.4	-22.0	3.6	2.6	Straw	Partial	45077	Genuine.
21.5	-18.3	-21.7	3.4	2.5	Dark straw . . .	None	45078	"

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

DISTRICT OF TORONTO--

1910.							
June 29	Strained Honey.	45079	Bruce & Sanderson, 377, 379 Parliament St., Toronto.	3 Cans	60	John J. Fee, Toronto.	Labelled Pure Honey.
July 4	"	45081	E. B. Farewell, Orillia	3 "	45	Geo. Laing, Milton.	Warranted Pure Honey.
" 5	"	45082	R. W. Armstrong, Bracebridge.	3 "	45	Isaac Langstroth, Arkona.	Vendor buys in bulk and fills his own cans.
" 8	"	45083	M. Pearce, Parry Harbour.	3 "	75	Rutherford & Marshall Co., Toronto.	Guaranteed Pure Honey.
" 8	"	45084	J. H. Badger, Parry Sound.	3 "	50	Eby Blain, Ltd., Toronto.	'Anchor' Brand Pure White Clover Honey.

DISTRICT OF LONDON--

July 23	Strained Honey.	44602	Chas. S. Andrews, Seaforth.	2 lbs.	30	W. D. Hoag, Seaforth.	.....
" 23	"	44607	Mathew Williams, Seaforth.	1 ¹ / ₂ "	25	William Hastings, Seaforth.	.....
" 26	"	44609	Geo. McLennon, Clinton.	3 "	30	Alex. Smith, Kippen, Ont.	.....
June 25	"	44755	J. F. Clifton, Alliston	3 bots.	45	Jas. Lumbers, Toronto.	.....
" 27	"	44759	Jackson & Son, Guelph	3 tins.	30	Unknown	.....
" 28	"	44765	Barnsdale Trading Co., Stratford.	3 bots.	36	Wm. Morden, Downey Township.	.....
July 13	"	44775	James Cutt, Blythe, Ont.	1 lb.	12	James Dobie, Auburn.	.....
" 13	"	44777	T. W. Scott, Blythe, Ont.	3 pots.	40	Unknown	.....
" 14	"	44781	Robert Johnston, Wingham.	3 "	60	Eby Blain & Co., Toronto.	.....
" 19	"	44788	Pickard & Fleming, St. Marys.	2 jars.	45	Edward Adams, London, Ont.	.....
" 20	"	44795	Thos. Jones, Mitchell	3 pots.	45	W. H. Gillard & Co., Hamilton.	.....

DISTRICT OF WINDSOR--

June 21	Strained Honey.	42326	J. J. Foster, Leaming ton.	3 bots.	45	Upton's Hamilton	Labelled Upton's Hamilton.
" 22	"	42331	Jno. McCorrie & Son, Chatham.	3 jars.	30	W. A. Chrysler, Chatham.	Warranted pure honey.
" 24	"	42334	W. Teeple, London	3 "	45	Flavelle Silverwood, Ltd., London.	Labelled guaranteed pure honey
" 24	"	42337	T. A. Rowat, London South.	3 "	50	W. Coleman, Birr	.....
" 25	"	42339	A. R. Bong, London South.	3 "	45	Upton, Hamilton	Labelled Upton's pure Clover Honey.
" 27	"	42341	F. C. Toon, London	3 "	45	Unknown	.....

STRAINED HONEY.

RESULTS OF ANALYSIS.							No. of Sample.	Remarks and Opinion of the Chief Analyst.
Water, p.c.	Polarization at 20° C			Cane Sugar by Clerget Formula, p.c.	Physical Characteristics.			
	Direct.	Invert.	Difference.		Colour.	Granulation.		
H. J. DAGER, INSPECTOR—Concluded.								
21.7	-15.1	-18.0	2.9	2.1	Straw	None	45079	Genuine.
23.4	-16.1	-19.8	3.7	2.7	"	"	45081	"
20.9	-14.4	-20.3	5.9	4.4	Light straw	Slight	45082	"
22.2	-10.8	-19.5	8.7	6.5	"	"	45083	"
22.3	-19.4	-22.6	3.2	2.3	Straw	None	45094	"
T. KIDD, INSPECTOR.								
21.5	-15.0	-19.8	4.8	3.6	Light straw	Slight	44602	Genuine.
21.5	-18.2	-21.2	3.0	2.2	Straw	None	44607	"
23.2	-15.0	-18.8	3.8	2.8	"	"	44609	"
21.1	-16.0	-20.5	4.5	3.3	"	"	44755	"
19.7	-18.5	-21.0	2.5	1.9	Light straw	Slight	44759	"
24.0	-15.0	-18.3	3.3	2.5	"	"	44765	"
20.9	-15.1	-20.4	5.3	4.0	"	None	44775	"
20.8	-19.1	-20.7	1.6	1.2	White	Complete	44777	"
19.7	-17.6	-22.4	4.8	3.6	Straw	Partial	44781	"
22.7	-17.1	-19.2	2.1	1.6	Light straw	"	44788	"
20.6	-10.5	-19.8	9.3	6.9	Dark straw	None	44795	"
JNO. TALBOT, INSPECTOR.								
22.5	-13.8	-19.0	5.2	3.9	Straw	Partial	42326	Genuine.
21.6	-13.1	-18.4	5.3	4.0	"	None	42331	"
24.2	-16.0	-18.7	2.7	2.0	"	Partial	42334	"
22.5	-12.4	-16.4	4.0	3.0	White	Complete	42337	"
22.5	-13.8	-19.9	6.1	4.5	Straw	Partial	42339	"
24.0	-16.9	-20.5	3.6	2.7	White	Complete	42341	"

Date of Collection	Nature of Sample.	No. of Sample.	Name and Address of Vendor.	Cost.		Name and Address of Manufacturer or Furnisher as given by the Vendor.	Inspector's Report. (Is not an expression of opinion).
				Quantity.	Cents.		
DISTRICT OF WINDSOR—							
1910.							
June 27	Strained Honey.	42346	Thos. W. Sanborne & Son, London.	3 jars.	45	F. J. Miller, London	'Crest' Brand Honey from Vauxhall Apiaries, London.
" 25	"	42349	H. Geach, London.	3 "	45	"	Labelled Choice extracted Honey, Vauxhall Apiaries, London.
" 28	"	42420	Duncan Bros., London	3 "	40	Unknown.	
" 28	"	42421	Fulcher & Northmore, London.	3 "	45	Upton's, Hamilton.	

DISTRICT OF MANITOBA—

June 30	Strained Honey.	43524	F. Fawley, 1,084 Main St., Winnipeg.	3 pkgs	75	Foster & Hoffermer, Brautford, Ont.	Extracted honey
" 20	"	43522	Coyle Bros., Winnipeg	3 "	60	G. A. Deadman, Brussels, Ont.	Deadman's pure honey.
" 21	"	43523	P. H. Menlove, Main St. N., Winnipeg.	3 "	75	G. F. & J. Galt, Manitoba.	Pure strained White Clover Honey.
" 21	"	43524	Templeton & Co., 1,028 Main St. N., Winnipeg.	3 "	60	Unknown.	
" 21	"	43525	Moffett & Douglas, Selkirk Ave., Winnipeg.	3 "	60		Upton's pure Clover Honey.
" 22	"	43526	H. Slasor, Main St., Winnipeg.	3 "	60	Jabin Marrin Co., Ltd., Winnipeg.	
" 27	"	43527	G. T. Hoyes, Elmwood	3 "	75		Upton's pure Clover Honey.
" 27	"	43528	J. G. McGrath, Elmwood.	3 "	75	Bright, Emery Co., Winnipeg.	Ontario Clover Honey.
" 28	"	43529	J. Paterson, Winnipeg	3 "	75	The White Star Mfg. Co., Winnipeg.	White Star Honey.
" 28	"	43530	Heaney Bros., Portage Ave., Winnipeg.	3 "	75	Foster & Holterman, Portage Ave., Winnipeg.	

DISTRICT OF CALGARY—

July 5	Strained Honey.	43771	Craddock & Viner, Lethbridge.	3 bots.	1.35	Pacific Coast Syrup Co., San Francisco, Cal.	
" 13	"	43772	R. Dunn, Medicine Hat.	2 "	1.00	Codville Co., Ltd., Winnipeg.	
" 13	"	43773	The D. Milne Co., Ltd., Medicine Hat.	3 jars.	75	F. W. Fearman, Hamilton, Ont.	
" 22	"	43774	J. T. Macdonald, Calgary.	3 bots.	75	T. Upton, Ltd., Hamilton, Ont.	
" 22	"	43775	Speer Bros., Calgary.	3 "	75	"	
Aug. 8	"	43776	C. E. Compton, Wetaskiwin.	3 "	75	Balfour Smyth, Hamilton, Ont.	

STRAINED HONEY.

RESULTS OF ANALYSIS.							No. of Sample.	Remarks and Opinion of the Chief Analyst.
Water, p. c.	Polarization at 20° C.			Cane Sugar by Clerget Formula, p. c.	Physical Characteristics.			
	Direct.	Invert.	Difference.		Colour.	Granulation.		

JNO. TALBOT, INSPECTOR—*concluded.*

23.0	-12.1	-17.3	5.2	3.9	Straw	None	42340	Genuine.
23.3	-12.7	-17.6	4.9	3.7	"	"	42349	"
24.8	-11.8	-16.3	4.5	3.3	Light straw	"	42420	"
22.8	-13.3	-19.5	6.2	4.1	"	Partial	42424	"

A. C. LARIVIERE, INSPECTOR.

21.1	-16.9	-19.6	2.7	2.0	White	Complete	43521	Genuine.
21.4	-14.1	-21.0	6.9	5.1	Light straw	None	43522	"
23.2	-17.6	-23.8	6.2	4.6	Dark straw	"	43523	"
20.9	-17.0	-20.9	3.9	2.9	White	Complete	43524	"
21.7	-16.2	-20.0	3.8	2.8	"	Partial	43525	"
20.4	-18.2	-20.9	2.7	2.0	Light straw	Complete	43526	"
21.4	-14.8	-19.5	4.7	3.5	Straw	Slight	43527	"
26.1	+13.5	-20.2	33.7	25.15	Light straw	None	43528	Water and cane sugar content high. Adulterated.
22.7	-7.7	-15.8	8.1	6.0	Dark straw	"	43529	Genuine.
21.8	-16.3	-19.8	3.5	2.8	White	Complete	43530	"

R. W. FLETCHER, INSPECTOR.

22.6	-16.3	-24.6	8.3	6.2	Straw	None	43771	Genuine.
21.7	-17.5	-21.6	4.1	3.1	White	Complete	43772	"
22.1	-16.2	-19.0	2.8	2.1	Light straw	"	43773	"
24.7	-17.8	-21.2	3.4	2.5	White	Partial	43774	"
22.0	-14.8	-19.1	4.3	3.2	"	"	43775	"
23.0	-15.3	-21.2	5.9	4.4	Dark straw	None	43776	"

Date of Collection.	Nature of Sample.	No. of Sample.	Name and Address of Vendor.	Cost.		Name and Address of Manufacturer or Furnisher as given by the Vendor.	Inspector's Report. (Is not an expression of opinion)
				Quantity.	Cents.		
DISTRICT OF CALGARY—							
1910.							
Aug. 9	Strained Honey.	43777	Douglas Bros., Ltd., Edmonton.	3 jars	75	Mrs. Thos. Hender-son, Strathcona, Alta.	
" 9	"	43778	A. H. Rickards & Co., Strathcona.	3 bots.	75	F. Upton & Co., Ltd., Hamilton, Ont.	
" 10	"	43779	Atken Bros., Edmon- ton.	3 "	75	O. L. Charlton Co., Vancouver, B.C.	
" 19	"	43780	Hallier & Aldridge, Edmonton.	3 "	75	T. Upton & Co., Ltd., Hamilton, Ont.	
DISTRICT OF VANCOUVER—							
June 21	Strained Honey.	37971	J. Jackson, B.C.	Honey, 3 jars.	75	O. L. Charlton, Van- couver, B.C.	'Nectar' brand, Guaranteed Strictly Pure.
" 21	"	37972	Coulter & Berry, Lang- ley, B.C.	3 "	75	John Wilson, Lang- ley Prairie.	
" 23	"	37973	E. S. McEubie, Port- land.	3 "	75	L. Guichon Estate.	Guaranteed pure
" 23	"	37974	W. T. Walker, Steves- ton, B.C.	3 "	1 05	Bishop & Co., U.S.	Pure Honey ...
" 23	"	37975	Georgal Grocery, Van- couver, B.C.	3 "	1 05	Pacific Coast Syrup Co.	'Wild Rose' brand.
July 18	"	37976	H. A. Edgott & Co., Vancouver, B.C.	3 bots.	75	Vendors	Pure Honey ...
" 18	"	37977	Geo. Wagg, Vancon- ver.	3 "	60	Jarcia & Maggini, San Francisco.	
" 18	"	37978	Wm. Clark, Vancon- ver.	3 "	75	Seattle & Puget Sound Packing Co.	'Liberty' brand pure Honey.
" 18	"	37979	Foran Bros., Vancon- ver.	3 "	75	Unknown	
" 18	"	37980	Woodwards, Dept. Store, Vancouver, B.C.	3 "	1 05	Chas. Heaton & Co., London.	Pure Honey
DISTRICT OF VICTORIA							
Jun. 20	Strained Honey.	44895	Windsor Grocery Co., Victoria.	3 jars.	1 05	Pacific Coast Syrup Co., San Francisco, Cal.	'Wild Rose' brand.
" 20	"	44898	The Saunders Grocery Co., Victoria.	3 "	75	Bishop & Co., San Francisco, Cal.	Bishop's Califor- nian pure honey
" 21	"	44899	H. O. Kirkham, Vic- toria.	3 "	75	O. L. Charlton, Vic- toria, B.C.	Californian Hon- ey.
" 22	"	44900	Wm. B. Hall, Victoria	3 "	69	T. B. Pearson, Linden- Apiary, Victoria, B.C.	
" 22	"	44901	Copas & Young, Vic- toria.	3 "	75	Balfour, Smye & Co., Hamilton.	Put up in jars by vendor.
" 23	"	44902	F. E. Plummer, Vic- toria.	3 "	75	O. L. Charlton, Van- couver, B.C.	'Nectar' brand' Chilli wack Honey.
" 24	"	44903	Erskine & Co., Vic- toria.	3 "	75	"	
" 27	"	44904	D. H. Ross & Co., Victoria.	3 "	60	Balfour, Smye & Co., Hamilton, Ont.	Put up in jars by vendor.
" 28	"	44905	Woods & White, Vic- toria.	3 "	75	O. L. Charlton, South- Vancouver, B.C.	South Best Australian Honey.
" 28	"	44906	Scott & Peden, Vic- toria.	3 "	75	O. L. Charlton, Vic- toria, B.C.	Pure Honey.

STRAINED HONEY.

RESULTS OF ANALYSIS.

Water, p.c.	Polarization at 20° C.			Cane Sugar by Claret For- mula, p.c.	Physical Characteristics		No. of Sample.	Remarks and Opinion of the Chief Analyst.
	Direct.	Invert.	Differ- ence.		Colour.	Granula- tion.		

R. W. FLETCHER, INSPECTOR—*Concluded.*

22.0	-14.1	-19.0	4.9	3.7	Straw.....	None...	43777	Genuine.
23.1	15.2	-21.3	6.1	4.5	".....	Partial...	43778	
23.7	-19.6	23.2	3.6	2.6	Dark straw...	None...	43779	Water high, otherwise genuine.
22.0	13.8	-21.4	7.6	5.5	Light straw...	Slight...	43780	Genuine.

JOHN F. POWER, INSPECTOR.

22.3	-17.8	-21.2	3.4	2.5	Light brown...	None.....	37971	Furfural reaction with aniline acetate, Ley's test, reddish brown. Doubtful.
21.4	-6.3	-11.4	5.1	3.8	Straw.....	".....	37972	Genuine.
21.3	-15.9	19.4	3.5	2.5	White.....	Complete.	37973	
21.4	-18.9	24.2	5.3	4.0	Dark straw...	Partial...	37974	
21.8	18.3	-26.2	7.9	5.8	Straw.....	None.....	37975	"
23.3	-17.8	23.4	5.6	1.2	Light straw...	Complete.	37976	"
21.7	-12.6	-21.2	11.6	8.6	".....	".....	37977	"
24.8	-11.9	22.4	10.5	7.8	".....	Partial...	37978	"
23.3	-17.8	-22.8	5.0	3.7	Dark straw...	".....	37979	"
25.0	-13.2	-17.6	4.4	3.3	".....	".....	37980	"

D. O'SULLIVAN, INSPECTOR

21.7	-13.6	-23.9	10.3	7.7	Straw.....	None.....	44897	Genuine.
19.5	-15.5	23.4	7.9	5.8	".....	".....	44898	"
22.0	-19.5	-26.8	7.3	5.4	Light straw...	".....	44899	"
19.5	-10.2	-13.9	3.7	2.7	".....	Complete.	44900	"
18.7	-18.6	-21.9	3.3	2.4	Light brown...	Partial...	44901	"
24.1	-18.5	-23.6	5.1	3.8	Straw.....	None.....	44902	"
21.2	20.2	-23.3	3.1	2.3	Dark straw...	Slight....	44903	"
21.3	-21.8	-27.9	6.1	4.5	White.....	Complete.	44904	"
21.5	-19.7	-25.5	5.8	4.3	Straw.....	None.....	44905	"
22.1	15.8	-20.5	4.7	3.5	Light straw...	".....	44906	"

