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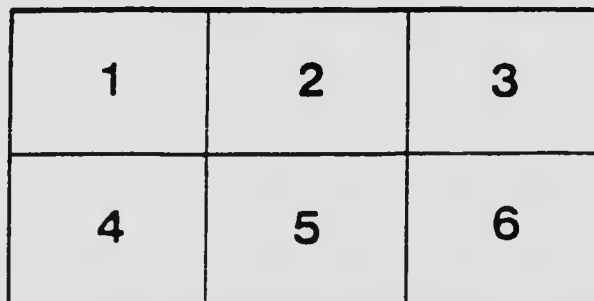
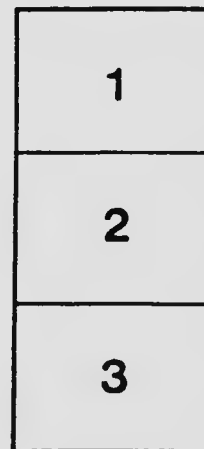
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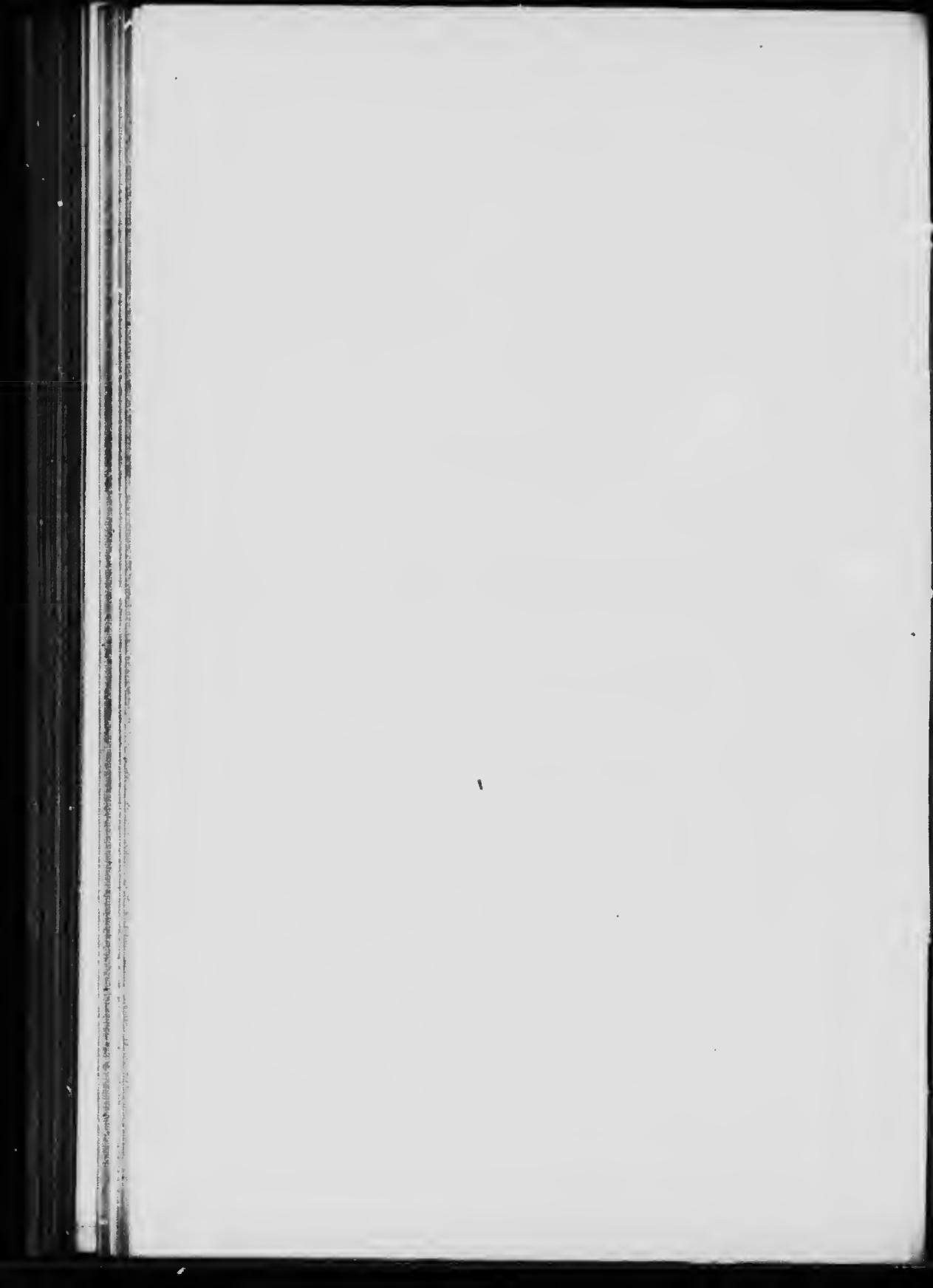
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O. H. M. S.

W. J. Gerald
Deputy Minister.

LABORATORY
OF THE
INLAND REVENUE DEPARTMENT
OTTAWA, CANADA
—
BULLETIN, No. 119
—
FRUIT PRESERVES



LABORATORY
OF THE
INLAND REVENUE DEPARTMENT

OTTAWA, CANADA

BULLETIN No. 119

FRUIT PRESERVES

OTTAWA, June 7, 1906.

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

SIR,—I have the honour to enclose herewith a report by Mr. A. McGill, Assistant Analyst to the Chief Analyst, concerning the last collection of fruit preserves, and also a table of statement giving the results of examining 190 samples of these and Mr. McGill's conclusions on each. In this statement I have found myself obliged to insert a column of conclusions, the conclusions I have reached regarding the various samples and especially those marked by Mr. McGill as 'not analysed.' There was of course nothing to be gained by examining these, their adulteration having been declared by the use of the word 'compound' or 'mixture' on the labels. In many cases, however, this declaration was not made in the manner required by the Adulteration Act, which states that food shall be deemed to be adulterated within the meaning of the Act 'if any inferior or cheaper substance has been substituted, wholly or in part for the article,' provided that this definition shall not apply 'if any articles of food not injurious to the health of the person consuming them are mixed together and sold, or offered for sale, as a compound, and if each package, roll, parcel or vessel containing such articles is distinctly labelled as a mixture in *conspicuous characters* forming an inseparable part of the general label, which shall also bear the name and address of the manufacturer.'

In applying this clause for the purpose of ascertaining whether any sample of these fruit preserves was adulterated 'according to the Act,' I have not used that term in reference to any sample upon which the word 'compound' or 'mixture' was to be found in close proximity to the name of the article, in distinct, although smaller characters, and forming part of the original label. On the other hand where the words referred to have been, subsequently to the printing, stencilled on the label inconspicuously in small and indistinct letters, or disconnected entirely from the name of the article, I have judged it

reasonable to characterise the sample as 'adulterated according to the Act.' With reference to the genuine samples in which Mr. McGill found none or only traces of glucose, I have adhered to his findings. As regards the samples which he has classified as 'probably adulterated under the Act with recommendation to leniency in some cases,' I have been obliged to discriminate between those which showed some or a little glucose, which I have marked 'doubtful,' and to look upon those samples, regarding which there is no declaration, and which contain much glucose or dextrine as 'adulterated.'

This plan leads to the following classification :—

	No. of Samples.
Unadulterated	53
Doubtful	17
Adulterated according to Act.	67
Adulteration declared	30
Adulterated	15
Collected by mistake	8
	<hr/>
Total	190

I have the honour to be, sir,

Your obedient servant,

THOMAS MACFARLANE.

Chief Analyst.

LABORATORY OF THE INLAND REVENUE DEPARTMENT,
317 QUEEN STREET, OTTAWA, JUNE 4, 1906.

THOMAS MACFARLANE Esq., F.R.S.C., &c.,
Chief Analyst.

SIR,—I beg to submit herewith the results of examining 190 samples collected as preserves (jams, jellies and marmalades) in November and December of last year and in January and February of the present year.

Eight (8) of the samples above referred to do not answer to the description of preserves: seven (7) of them being gelatine jelly blocks or powders and one being a so called 'canned' fruit.

According to inspectoral districts, the collection is as below:—

Districts.	Samples Collected.	Preserves.
Nova Scotia	14	14
New Brunswick	14	14
Prince Edward Island	12	12
Quebec	20	19
St. Hyacinthe	14	8
Montreal	24	24
Ottawa	20	20
Kingston	20	20
London	21	20
Manitoba	9	9
Calgary	6	6
British Columbia	16	16
	190	182

Of 182 samples answering to the description of a preserve, ninety-seven (97) samples are marked 'compound' with more or less distinctness. Only 17 of this number have been analysed. The remaining samples (eighty-five in number) claim to be genuine or are sold without any statement to the contrary. Fifty-three of these have been found to be genuine; leaving a balance of thirty-two (32) samples regarding which the question of adulteration may be raised.

My examination of these samples has had regard to the following points:—

1. Quantity and quality of fruit used.
2. Quantity and kind of sugar (including a determination of the presence or absence of glucose).
3. Preservatives.
4. Artificial dyes.

As regards preservatives and dyes I have contented myself with ascertaining the presence or absence of these without comment. We have no regulations which forbid their use, and it is quite probable that, so far as dyes are concerned, the minute quantities present are not more harmful to health than they would be in candy-colouring. The chief objection that I find to the use of dyes in jams and jellies, is the fact that they serve to cover up defects in fruit, and thus permit the employment of inferior fruit in manufacture. It is also evident that the making of a so-called strawberry or raspberry jam from apple pulp, is only possible when the colour is given by a dye.

With regard to the quantity of fruit present in a jam, we have no standards which enable interpretation to be made from the amount of insoluble residue, nor is any ratio between fruit and sugar established by law. Until this is done, it is evident that exact determination of insoluble matters (cellulose, &c.) affords no useful datum in analysis, and I have not carried out this research in many of the samples reported.

I would respectfully recommend that this very important subject be made matter of investigation during the coming fruit season. Since raspberry and strawberry jams are those most largely sold, I would suggest that methods of research be carried out in these; having regard to the degree of accuracy attainable in determining the amount of fruit used, from the amount of insoluble tissue found in the jam.

The Department of Agriculture at Washington, D.C., has recently (March, 1906) adopted a ratio of not less than forty-five (45) pounds of fruit for fifty-five (55) pounds of sugar. Whether or not this standard would suit Canada is matter for investigation, and it remains to be seen what degree of accuracy can be attained in determining the ratio. Messrs. Tolman and Munson (Bull. 66, Bureau of Chemistry, Washington) have done some valuable research work in this regard, but there is need of a great deal more research work before a reliable method of procedure can be outlined.

I may merely add that when no remark is made concerning the fruit found in jams of the present collection, it is to be understood that, so far as regards quantity and quality, nothing calling for special notice has been found. In a few cases the fruit has been so abnormally small in amount, that I have thought it right to call attention to the fact. It is usually in glucose jams that this paucity of fruit tissue is found; the consistency of the finished product is in this case due chiefly to the viscous character of the glucose, while in a genuine jam, the fruit pulp plays an important part in giving normal consistency to the jam.

It will be evident from what I have said, that for the present, the decision of the genuineness in a jam rests mainly upon the absence of glucose. In a few cases (eight samples) I have found traces only of dextrine, and a polarimeter number indicating certainly less than ten (10) per cent of glucose, and probably less than five per cent. It is claimed by some manufacturers that the addition of a small quantity of glucose is desirable in order to prevent the crystallizing of the cane sugar on prolonged keeping. Without committing myself to an opinion on the matter, I have thought it justifiable to include these cases among the samples classified as genuine, but this is done without prejudice to future findings, and is, of course, subject to your own revision.

In the remaining thirty-two (32) samples, glucose is present in so large quantity as to make it necessary to pronounce them adulterated within the meaning of the Act, since the presence of glucose is not acknowledged on the label.

It is, however, only fair to say that many of these samples bear evidence of having been taken from very old stock, the labels being fly-specked, discoloured or otherwise marked as *shop-worn*. Later samples, by the same makers, are stencilled with the word 'compound,' and it is fair to conclude that, at least in some instances, the samples in question are to be looked upon as *old sales*, which had escaped proper marking rather than as uttered with any fraudulent intent. To what extent this consideration may affect the decision of the Department regarding the vendors is another matter, but I think it only right that I should point out the facts.

I have the honour to be, sir,

Your obedient servant,

A. MCGILL.

(Addendum.)

SYNOPSIS

Jelly powders (collected by mistake).....	7
Canned fruit " "	1
	— 8
Sold as compound—analysed	17
" " not analysed	80
	— 97
Genuine—no glucose	45
" trace "	8
	— 53
Probably adulterated under the Act with recommendation to leniency in some cases	32
	—
	190

I think it may be well at some future time to make a special collection of gelatine jelly powders and things of that sort. These are very largely sold and quite a number of manufacturers are represented in the Canadian market. Investigatory work will be needed to define a method of work and to discover how far we can hope to get any valuable information concerning their composition.

A. MCGILL.

TABULATED STATEMENT REGARDING

Date of Collection.	Nature of Sample.	No. of Sample.	Name and Address of Vendor.	Cost.	Name and Address of Manufacturer or Furnisher.	Inspector's Report.
1905.			<i>District of Nova Scotia—R. J. Waugh, Insp.</i>	Cts.		
Dec. 1	Plum Jam. . .	27101	J. Frank Crowe & Co., Halifax, N.S.	3 jars 45	Badger & Co., London, Eng.	Labelled pure plum jam. Vendor is a wholesale dealer.
" 1	Raspberry Jam..	27102	Bauld Bros. & Co., Halifax, N.S.	3 " 45	Chivers & Son, Heston, Eng.	Labelled improved with a small proportion of fruit jelly. Wholesale dealers.
" 1	" . . .	27103	John Tobin & Co., Halifax, N.S.	3 " 50	Sherriff, Toronto, Canada.	Labelled absolutely pure. The vendors are wholesale dealers.
" 1	Plum Jam. . .	27104	H. W. Wentzell & Co., Halifax, N.S.	3 " 30	Simcoe Canning Co., Simcoe, Ont.	Labelled pure Simcoe jam. Compound in small letters. Wholesale dealers.
" 1	"	27105	Payzant & King, Halifax, N.S.	3 " 30	T. Upton, Hamilton, Ont.	Labelled fine quality. Wholesale dealers.
" 1	Strawberry Jam.	27106	C. H. Harvey, Halifax, N.S.	3 " 25	Simcoe Canning Co., Simcoe, Ont.	Labelled same as 27104. Wholesale dealer.
" 4	Red Currant Jelly.	27107	R. B. Sutton & Co., Halifax, N.S.	3 " 25	J. W. Windsor, Montreal.	Sold as Ice Castle Brand. Wholesale dealer.
" 4	Strawberry Jam.	27108	Billmon & Chisholm, Halifax, N.S.	3 " 15	Simcoe Canning Co., Simcoe, Ont.	Labelled same as 27104. Sample drawn from 7-lb. pail. Wholesale dealers.
" 4	Raspberry Jam Preserves.	27109	A. W. Smith & Co., Halifax, N.S.	3 " 45	E. D. Smith, fruit farms, Winona, Ont.	The vendors are wholesale dealers.
" 5	Peach Jelly.	27110	Lovitt & Lovitt, Yarmouth, N.S.	3 " 25	Simcoe Canning Co., Simcoe, Ont.	Labelled same as 27104.
" 5	Plum Jam	27111	" " . . .	3 " 20	J. W. Windsor, Montreal.	Sold as pure fruit jam. Coronation Brand. Vendors are wholesale dealers.
" 5	Raspberry Jam..	27112	Wm. Law & Co., Yarmouth.	3 " 15	Simcoe Canning Co., Simcoe, Ont.	Labelled same as 27104. Drawn from 7-lb. pail. Wholesale dealers.
" 8	"	27116	Black & Co., Truro, N.S.	3 " 21	J. W. Windsor, Montreal.	Coronation Brand. Wholesale dealers.

190 SAMPLES OF FRUIT PRESERVES.

Chief Analyst's Remarks.	RESULTS OF ANALYSIS.										Remarks by Mr. McGill.
	Insoluble solids.		SACCHARIMETER—NORMAL WEIGHT TO 100cc.			Residual cane sugar—(Claret.)	Soluble matter, other than cane sugar.	Dextrine.	Preservatives.	Dyes.	
	p. c.	p. c.	Direct.	Invert.	Difference.						
Doubtful	5.74	69.70	+26.9	-2.6	29.5	22.2	47.50	Trace	Salicylic acid.	None...	Contains a little glucose and a preservative.
"	8.33	65.34	+29.4	-2.5	31.9	24.0	41.34	"	None....	"	Contains a little glucose.
Unadulterated	4.27	68.86	+0.0	-22.4	22.4	19.6	49.26	None.	Benzoic acid.	"	Genuine but contains a preservative.
Adulterated according to Act.	6.48	55.22	+87.1	+84.3	2.8	2.1	53.12	Much	"	Present.	Contains glucose, a preservative and is dyed, but marked compound.
Doubtful	1.53	72.72	+46.9	+21.2	25.7	18.4	54.32	Some.	None....	None...	Contains glu. cose.
Adulterated according to Act.	.....	56.72	+70.0	+54.2	15.8	11.9	44.82	Much	Benzoic acid.	Present.	The word 'compound' in small letters. Contains glucose, a preservative and is dyed.
Adulteration declared.	.....	66.22	+101.1	+79.5	21.6	14.9	51.32	"	None....	None..	Contains glucose but is marked compound.
"	2.83	69.62	+86.6	+85.9	0.7	0.5	69.12	"	"	Present.	Contains glucose and is dyed, but marked compound.
Unadulterated	3.46	64.44	+30.6	-20.8	51.4	45.8	18.64	None.	"	None...	Genuine
Adulterated according to Act.	...	61.80	+73.5	+44.0	29.5	22.2	39.60	Much	"	Present.	Contains glucose and is dyed, but marked compound.
Doubtful	3.73	64.62	+95.9	+80.8	15.1	11.4	53.22	Present.	"	None..	Contains glucose.
Adulterated according to Act.	2.84	61.10	+81.4	+63.7	17.7	13.1	48.00	Much	"	Present.	Contains glucose and is dyed. Is marked compound.
Adulterated ..	2.10	63.40	+89.2	+72.6	16.6	12.3	56.10	"	Salicylic acid.	None...	Contains glu. cose and a preservative.

TABULATED STATEMENT REGARDING

Date of Collection.	Nature of Sample.	No. of Sample.	Name and Address of Vendor.	Cost.	Name and Address of Manufacturer or Furnisher.	Inspector's Report.
1906.			<i>District of Nova Scotia—Concluded.</i>	Cts.		
Dec. 12	Plum Jam.....	27122	R. J. Sweet & Co., Halifax, N.S.	3 jars 25	Simcoe Canning Co., Simcoe, Ont.	Labelled same as 27104. Vendors are wholesale dealers.
			<i>District of New Brunswick—J. C. Ferguson, Insp.</i>			
Nov. 27	Jam, Strawberry	24113	Baird & Peters, Ward St., St. John, N.B.	3 " 45	The Simcoe Canning Co., Simcoe, Ont.	Pure Simcoe jam on label. Compound across Simcoe.
" 28	" Raspberry.	24114	Bowman & Cole, 23-30 Water St., St. John, N.B.	3 " 75	Pure Gold Manufacturing Co., Toronto, Ont.	Pure Gold on label. Absolute purity printed above and beneath Pure Gold.
" 28	" Plum.....	24115	Hall & Fairweather, 7-9 Ward St., St. John, N.B.	3 " 25	The McCormick Manufacturing Co., London, Canada.	On label: Pure fruit; compound.
" 28	" Apricot...	24116	G. E. Barbour Co., Ltd., 11-12 North Wharf, St. John, N.B.	3 " 25	Thos. Upton Co., Hamilton, Ont.	Upton's Apricot Jam printed on label. Vendor would not say goods were pure.
" 30	" Peach.....	24117	E. E. McMichael, 40 Dock St., St. John, N.B.	3 " 30	Canada Preserving Co., Ltd., Hamilton, Ont.	Trade mark registered. 'Graham's Lily Brand.' Prepared by Canada Preserving Co. Compound.
Dec. 1	" Black Currant.	24122	W. S. Clawson & Co., manufacturers' agents and brokers, 11-12 South Wharf, St. John, N.B.	3 " 25	J. W. Windsor, Montreal, Que.	'Ice Castle Brand.' Choice jams and jellies. Compound.
" 8	Jelly, Plum.....	24131	F. E. Williams & Co., Ltd., 80 Princess & Charlotte Sts., wholesale and retail, St. John, N.B.	3 " 30	H. Goodwillie & Son, Welland, Ont.	On label: Home Industry, Plum Jelly. Grown and packed by H. Goodwillie & Son, Welland, Ont.
" 8	Jam, Apricot...	24132	J. & F. Watson, Main St., cor. of Elm, north end, retail grocers, St. John, N.B.	3 " 45	Aylmer Canning Co., Aylmer, Ont.	On label: Canada First, Apricot Jam. Preserved by Aylmer Canning Co., Aylmer, Ont. Marked compound. Sold as compound.
" 4	Jelly, Quince...	24125	W. A. Simonds, 89 Union St., vendor, manufacturers' agent for N.B., St. John, N.B.	3 " 75	E. D. Smith, Winona, Ont.	On label: Quince Jelly. To avoid deception be sure the trade-mark seal on lid is unbroken. F. S. trade mark. Fruit Farms, Winona, Ontario, Canada.

190 SAMPLES OF FRUIT PRESERVES—Continued.

Chief Analyst's Remarks.	RESULTS OF ANALYSIS.										Remarks by Mr. McGill.
	Insoluble solids.	Dissolved solids.	SACCHARIMETER—NORMAL WEIGHT TO 100cc.			Residual cane sugar—(Chergot.)	Soluble matter, other than cane sugar.	Dextrine.	Preservatives.	Dyes.	
			Direct.	Invert.	Difference.						
	p. c.	p. c.	p. c.	p. c.	p. c.	p. c.	p. c.				
Adulterated according to Act.	11.60	57.14	+76.6	+57.4	19.2	14.2	42.94	Much	Benzoic acid.	Present.	Contains glucose and a preservative, and is dyed. Is marked compound.
"	The word 'compound' is on the label but in very small letters and indistinct from being placed over the word 'Simcoe.'										Not analysed.
Unadulterated	...	36.60	+6.0	-18.9	24.9	18.0	37.60	None.	Benzoic acid.	Present.	Genuine but contains a preservative.
Adulterated according to Act.	Marked 'Pure Fruit compound' in small letters.....										Not analysed.
Adulterated	.....	67.08	+69.3	+47.4	21.9	19.4	47.68	Much	Benzoic acid.	None...	Contains glucose and a preservative.
Adulteration declared.	The word 'compound' is marked twice on the label in letters as conspicuous as the words peach jam.										Not analysed.
Adulterated according to Act.	Marked compound, but very inconspicuously with stencil, on the edge across one end of the label.										"
Doubtful	.....	63.56	+38.5	+35.0	3.5	2.6	60.96	Pre-	Salicylic acid.	Present.	Contains glucose and a preservative, and is dyed.
Adulterated according to Act.	Stencilled with the word compound but in very small letters.....										Not analysed.
Unadulterated	.....	66.00	+23.6	-21.2	44.8	33.4	32.60	None.	None.....	None...	Genuine.

TABULATED STATEMENT REGARDING

Date of Collection.	Nature of Sample.	No. of Sample.	Name and Address of Vendor.	Cost.	Name and Address of Manufacturer or Furnisher.	Inspector's Report.
1905.			<i>District of New Brunswick— Concluded.</i>	Cts.		
Dec. 13	Jam, Plum. . . .	24135	Gross & Dawson, Main St., Moncton, N.B.	3 jars 45	Quebec Preserving Co., 35 Smith St., La. Letourneau, prop., Quebec, Que.	Vendor would not sell as pure. Selling agent said goods were pure. Vendor wished to know if such were the case. From label: Plum, Quebec Preserving Co. Gold Medal. Jams and Jellies. La. Letourneau, prop., 35 Smith St., Quebec.
"	19 Jelly, Apple ..	24137	Dykeman & Van- wart, Queen St., Fredericton, N.B.	3 " 30	Mrs. W. G. Dyke- man, Frederic- ton, York Co., N.B.	No label on tumblers. Put up by Mrs. W. G. Dykeman, Fredericton, N.B.
"	19 Jam, Strawberry	24138	A. F. Randolph & Sons, Phenix Square, whole- sale merchants, Fredericton, N.B.	3 " 25	Consolidated Can- ners' Co., Ham- ilton, Ont.	Aylmer Jam. Canada First. Canada. Aylmer Canning Co. Strawberry. Pure Fruit. Compound. From label on jars.
"	19 " "	24139	H. C. Jewett, grocer, Regent St., Fredericton, N.B.	3 " 30	J. W. Windsor, Montreal, P.Q., Canada.	From label: Straw- berry Jam. Ice Castle Brand. Choice jams and jellies Prepared by J. W. Windsor, Montreal. Com- pound.
"	19 Jam, Raspberry.	24140	James P. Hayes, grocer, St. Ma- ry's, York Co., N.B.	3 " 39	Aylmer Canning Co., Aylmer, On- tario, Canada.	From label on pack- ages: Canada First. Red Raspberry Jam. Preserved by Aylmer Canning Co. Fac- tories at Aylmer and Hamilton. Aylmer, Ont. Compound.
			<i>District of Prince Edward Island— T. Moore, In- spector.</i>			
"	5 Plum Jam. . . .	28239	A. Currie & Co., Souris.	3 cr'ks. 45	Aylmer Canning Co., Aylmer, Ont.	Canada First. Pre- served by Aylmer Canning Co., Ayl- mer, Ont.
"	5 Raspberry Jelly.	28240	John McLean & Co., Souris.	3 " 36	J. W. Windsor & Co., Montreal.	Ice Castle Brand. Choice jams and jel- lies. Marked com- pound.
"	5 Orange Marmalade.	28241	" "	3 " 48	Thomas Upton & Co., Hamilton, Ont.	Prepared by Thomas Upton & Co.

190 SAMPLES OF FRUIT PRESERVES—Continued.

Chief Analyst's Remarks.	RESULTS OF ANALYSIS.										Remarks by Mr. McGill.
	Insoluble solids.	Dissolved solids.	SACCHARIMETER—NORMAL WEIGHT TO 100CC.			Residual cane sugar—(Clerget.)	Soluble matter, other than cane sugar.	Dextrine.	Preservatives.	Dye.	
			Direct.	Invert.	Difference.						
	p. c.	p. c.	p. c.	p. c.	p. c.	p. c.	p. c.				
Adulterated ..	4.89	...	+34.1	+23.1	11.0	8.2	...	Much	None.	Present.	Contains glucose and a dye.
Unadulterated .....	.....	.....	+7.0	-19.6	26.6	20.0	.....	None.	"	None..	Genuine.
Adulterated according to Act.	Marked	pure fruit.	compound in very small letters								Not analysed.
" "	0.65	68.54	+92.4	+77.8	14.6	10.9	57.64	Pre-sent.	None....	None...	Contains glucose but marked compound: (Letters stencilled very small and scarcely legible. T.M.)
" "	Marked	'compound'	but in very small letters; scarcely legible								Not analysed.
Doubtful .....	.....	56.98	+42.0	+22.4	19.6	14.4	42.58	Pre-sent.	Benzoic acid.	None...	Contains glucose and a preservative.
Adulterated according to Act.	Marked	'compound'	in conspicuously and with a stencil								Not analysed.
Doubtful .....	.....	35.62	+56.0	+39.0	17.0	12.8	52.82	Pre-sent.	None....	None...	Contains glucose.

TABULATED STATEMENT REGARDING

Date of Collection.	Nature of Sample.	No. of Sample.	Name and Address of Vendor.	Cost.	Name and Address of Manufacturer or Furnisher.	Inspector's Report.
1905.			<i>District of Prince Edward Island—Concluded.</i>	Cts.		
Dec. 5	Strawberry Jam.	28242	Sterns Brothers, Souris.	3 cr'ks 36	Upton.....	Upton's Strawberry Jam.
" 5	Plum Jam	28245	C. C. Carlton, Souris.	3 " 45	Standard Canning Co., Hamilton, Ont.	Pure fruit; compound.
" 5	Strawberry Jelly	28246	John McLean & Co., Souris.	3 " 36	J. W. Windsor, Montreal.	Ice Castle Brand Choice jams and jellies. Compound.
" 5	Black Currant Jelly.	28247	Jenkins & Son, Charlottetown.	3 " 45	H. Goodwille & Sons, Welland, Ont.	.....
" 5	Strawberry Jam.	28248	Beer & Goff, Charlottetown.	5 " 54	A. E. Dewar, Newlands Fruit Farm, Charlottetown.	Warranted pure by A. E. Dewar.
" 5	Red Currant Jelly	28249	Beer & Goff, Charlottetown.	3 " 60	R. F. Maddigan & Co., Charlottetown.	Pure jams and jellies. Manufact'd. by R. F. Maddigan.
" 5	Red Currant Jam	28250	James Kelly " "	3 " 36	" " "	Pure jams and jellies.
" 7	Strawberry Jam.	28251	J. P. Duffey " "	3 " 54	E. D. Smith, Winona, Ont.	To avoid deception. E. D. Smith's Farm, Winona, Ont.
" 7	Apple Jelly.....	28261	A. Gates & Co. " "	1 pkg. 50	E. Bayfield, Charlottetown.	.....
			<i>District of Quebec—C. E. Roy, Inspector.</i>			
Nov. 22	Strawberry Jelly	29044	Quebec Preserving Co.	3 lbs. 21	La. Letourneau, Quebec.	Marked 'Gardner' Brand, Erie, Ont. Taken from a bucket of 50 lbs. Marked on label compound.
" 22	Apple Jelly....	29045	" " "	3 " 18	" " "	Marked 'Red Rose' Brand. Taken from a bucket of 50 lbs. Marked compound.
" 23	Strawberry Jam.	29046	" " "	3 " 25	" " "	Taken from a large bucket or tub about 80 lbs. Manufactured on the date I was at the factory to be packed, with label same as on sample. 'Quebec Preserving Co.'
23	Plum Jam	29047	" " "	6 " 30	" " "	Marked compound....
27	Peach Jam.....	29049	Bowen & Grenier, Quebec.	1 jar 25	St. Louis Preserving Co., Montreal.	" "

190 SAMPLES OF FRUIT PRESERVES—Continued.

Chief Analyst's Remarks.	RESULTS OF ANALYSIS.										Remarks by Mr. McGill.
	Insoluble solids.	Dissolved solids.	SACCHARIMETER—NORMAL WEIGHT TO 100cc.			Residual cane sugar—(Claret.)	Soluble matter, other than cane sugar.	Dextrine.	Preservatives.	Dyes.	
			Direct.	Invert.	Difference.						
	p. c.	p. c.	p. c.	p. c.	p. c.	p. c.	p. c.				
Adulterated	63.64	+43.9	+25.6	18.3	13.6	50.04	Much	None.	Present.	Contains glucose and is dyed.	
Adulteration declared.	Marked 'compound' in letters about one-third of the size of those used for the name of the article but distinct.										Not worked.
Adulterated according to Act.	Marked 'compound' inconspicuously with stencil across the label at the edge.										"
Unadulterated	68.66	-16.1	-17.2	1.1	0.8	67.86	None.	Benzoic acid.	None.	Genuine but contains a preservative.	
"	4.97	-10.8	-16.6	5.7	4.2		"	None.	"	Genuine.	
"	61.40	-15.1	-18.9	3.8	2.8	58.60	"	"	"	"	
"	61.74	-14.0	-17.5	3.5	2.7	59.04	"	"	"	"	
"	63.04	+21.7	-21.2	42.9	32.0	31.04	"	"	"	"	
"	51.32	+5.8	-17.3	23.1	17.2	34.12	"	"	"	"	
Adulteration declared.	Marked 'compound' in very small letters but under name of article and plain.										Not analysed.
Adulterated according to Act.	Stencilled 'compound' in small letters, placed upside down in lower right hand corner of label.										"
Unadulterated	67.20	+5.1	-17.2	12.1	9.0	58.20	None.	Benzoic acid.	None.	Genuine.	
Adulterated according to Act.	Stencilled 'compound' but inconspicuously and not near the name of the article.										Not analysed.
Adulteration declared.	61.98	+100.8	+87.7	13.1	9.8	52.18	Much	Salicylic acid.	None.	Contains glucose and a preservative, but marked compound.	

TABULATED STATEMENT REGARDING

Date of Collection.	Nature of Sample.	No. of Sample.	Name and Address of Vendor.	Cost.	Name and Address of Manufacturer or Furnisher.	Inspector's Report
1905.			<i>District of Quebec</i> —Concluded.	Cts.		
Nov. 27	Strawberry Jam.	29060	Whitehead & Turner, Quebec.	7 lbs. 48	Aylmer Canning Co., Aylmer.	Canada First.' Compound.
" 28	" "	29061	T. Davidson & Co., Quebec.	3 pots 37	The Upton Co., Ltd., Hamilton.	.....
" 28	Strawberry Jelly	29062	J. B. E. Letellier, Quebec.	3 " 30	T. A. Lytle & Co., Toronto.	.....
" 30	Raspberry Jam.	29067	Turcotte et frère, Quebec.	3 pots 30	The McCormick Manufacturing Co., London.	Sold as 'pure fruit; compound.'
" 30	Currant Jelly...	29068	A. Joseph & Son, Quebec.	3 " 48	E. D. Smith, Windsor, Ont.	.....
Dec. 5	Plum Jam.....	29069	Brunelle et frère, Three Rivers.	3 " 45	L. Chaput et fils, Montreal.	Sold as 'Little Cheap Brand.'
" 5	Strawberry Jam.	29060	Bellefeuille & Giroux, Three Rivers.	3 " 90	J. A. Perrault, Montreal.	Sold as 'compound.'
" 5	Raspberry Jam.	29062	Carrigan et fils, Three R'vrs.	3 " 30	Hudon & Orsali, Montreal.	Sold as 'pure fruit; compound.'
" 7	" "	29063	J. Buchanan & Son, Lévis.	3 boxes 45	Barbeau & Paré, Quebec.	Sold as 'compound.'
" 7	" "	29065	A. Carrier et fils, Lévis.	3 pots 63	Quebec Preserving Co., Quebec.	.....
" 14	Strawberry Jam	29067	Barbeau & Paré, Quebec.	3 jars 25	Jos. Lamoureux, Montreal.	.....
" 16	" "	29070	A. A. Cantin, Quebec.	3 " 45	Bedard et frère, Quebec.	.....
1906.						
Jan. 31	" "	29072	Le Droit et frère, Quebec.	3 " 90	Purchased from Boivin & Grenier, Quebec.	Manfg. by St. Louis Preserving Co., Montreal. Marked compound.
Feb. 1	Raspberry Jam.	29073	Quebec Fruit Exchange, Quebec.	4 lbs. 32	Quebec Preserving Co., Quebec.	Taken from 4 lb. tin tub.
" 1	Strawberry Jam	29074	J. B. Bedard, Quebec.	3 jars 25	Jos. Lamoureux, Montreal.	Marked compound.

190 SAMPLES OF FRUIT PRESERVES—Continued.

Chief Analyst's Remarks.	RESULTS OF ANALYSIS.										Remarks by Mr. McGill.
	Insoluble solids.		SACCHARIMETER—NORMAL WEIGHT TO 100c.			Residual cane sugar (Clerget.)	Soluble matter, other than cane sugar.	Dextrine.	Preservatives.	Fyes.	
	Dissolved solids.	Direct.	Invert.	Difference.							
p. c.	p. c.	p. c.	p. c.	p. c.	p. c.	p. c.					
Adulteration declared.	57.16	+38.5	+26.3	12.2	9.1	48.06	Much	Benzoi c acid.	Present.	Contains glu- cose and a preservative, but marked com- pound. Apple tissue.	
Unadulterated	61.20	+14.5	-18.9	33.4	24.9	36.30	Trace.	"	None...	Genuine but contains a preservative.	
"	59.24	+9.6	-8.9	18.5	13.8	45.44	None.	None.	"	Genuine but contains a little glucose.	
Adulterated according to Act.	Stencilled 'pure fruit, compound' in small letters										Not analysed.
Unadulterated	68.60	+7.7	-21.3	29.0	21.6	47.00	None.	None.	None.	Genuine.	
	Should not have been collected.										Not worked as it is 'canned fruit' and not a preserve. Is in sound condition.
Adulterated according to Act.	Stencilled 'compound' in small letters across label.										Not analysed.
"	Marked 'pure fruit, compound.'										" "
Adulteration declared.	Marked 'compound' distinctly but not near the name of the article.										" "
Doubtful.	65.00	+49.7	+19.9	29.8	22.2	42.80	Pre- sent.	None.	None.	Contains glu- cose.	
Adulterated.	3.76	67.10	+115.5	+100.1	15.4	11.5	55.60	Much	"	Present.	Contains glu- cose and is dyed.
"	8.2	67.56	+69.7	+33.1	36.6	27.3	40.26	"	"	None.	Contains glu- cose.
Adulteration declared.	Marked 'compound' in small letters but distinct.										Not analysed.
Adulterated.	1.87	61.74	+96.9	+90.1	6.8	5.1	56.64	Much	Benzoi c acid.	Present.	Contains glu- cose and a preservative, and is dyed.
Adulteration declared.	5.49	56.26	+71.9	+42.3	29.6	22.2	31.06	Pre- sent.	None.	"	Contains glu- cose and is dyed but sold as a com- pound.

TABULATED STATEMENT REGARDING

Date of Collection.	Nature of Sample.	No. of Samples.	Name and Address of Vendor.	Cost.	Name and Address of Manufacturer or Furnisher.	Inspector's Report.
1905.			<i>District of St. Hyacinthe—J. C. Rouleau, Inspector.</i>			
Dec. 5	Plum Jam, 'Ice Castle Brand.'	27581	N. Lord, St. Jean, Quebec.	3 jars 30	L. Chaput et fil. Montreal, Mfg. by J. W. Windsor, Montreal.	Marked compound on right-hand side of label.
" 5	Strawberry Jelly, 'Pure Gold'	27582	T. A. Bourque et Cie, Sherbrooke.	3 pkgs 30	Pure Gold Mfg. Co., Toronto.	
" 5	Strawberry Jam, 'Canada First'	27583	Gendron, Denault et Cie, Sherbrooke.	3 jars 25	Aylmer Canning Co., Aylmer, Ont.	Label marked compound.
" 5	Strawberry Jam.	27584	Gendron, Denault et Cie, Sherbrooke.	3 " 25	Jos. Lamoureux, Montreal.	Label marked compound.
" 5	PineApple Jelly, 'Pure Gold'	27585	Paul Taurigny, Victoriaville.	3 pkgs 25	Pure Gold Mfg. Co., Toronto.	
" 5	Vanilla Jelly, 'Nonpariel'	27586	J. A. Savoie, Plessisville.	2 " 20	Badger & Co., London, Eng.	
" 5	Peach Jam.....	27587	L. T. Trempe, Sorel.	3 jars 30	J. A. Penault, Montreal.	Sold as compound.....
" 13	Plum Jam, 'Ice Castle Brand.'	27588	Guertin & Archambault, Actonvale	3 glas's 30	L. Chaput, fils et Cie, Montreal.	See note attached to report.
" 13	Peach Jam.....	27589	A. Berthiaume, Upton.	3 " 30	Jos. Lamoureux, Montreal.	
" 13	Black Currant Jelly, 'Uptons'	27590	L. Z. Phaneuf, Upton.	3 " 30	Lacaille, Gendron & Co., Montreal.	
" 13	Chocolate Jelly.	27591	A. C. Gilmour, Waterloo, Que..	3 pkgs 30	Pure Gold Manfg. Co., Toronto.	
" 13	Lemon Jelly, 'Red Cross'	27592	W. D. Bradford, Granby.	3 " 30	R. Herron & Co., Montreal.	
" 13	Peach Jam, 'Queen City'	27593	Monty Frères, Granby.	3 " 30	The Toronto Jam & Pickle Co., Toronto.	
" 13	Cognac Jelly, 'Kkov'	27594	N. Prefontaine, Marieville.	2 " 20	Sutcliffe & Bingham, Ltd., Manchester.	
			<i>District of Montreal—J. J. Costigan, Insp.</i>			
Nov. 24	Plumb Jam.....	26842	Jos. Lamoureux & Co., St. Thothé St., Montreal.	1 crock 35		This sample taken at factory of vendor. Put up in 7 lb. crocks. Labeled pure jam in letters about two inches long, beneath this wording is the word compound in stencil; the letters being about $\frac{1}{4}$ in. long. Copy of label is herewith attached.

190 SAMPLES OF FRUIT PRESERVES - *Continued.*

Chief Analyst's Remarks.	RESULTS OF ANALYSIS.										Remarks by Mr. McGill.
	Insoluble solids.	Dissolved solids.	SACCHARIMETER - NORMAL WEIGHT TO 100cc.			Residual cane sugar (Clerget.)	Soluble matter, other than cane sugar.	Dextrine.	Preservatives.	Dyes.	
			Direct.	Invert.	Difference.						
	p. c.	p. c.	p. c.	p. c.	p. c.	p. c.	p. c.				
Adulterated according to Act.	Stencilled 'compound' but in small letters at edge of label.										Not analysed.
.....	Collected by mistake.										Not worked as not being a preserve.
"	Stencilled 'compound' but inconspicuously.										Not analysed.
Adulteration declared.	.....										" "
.....	Collected by mistake.										Not worked as not being a preserve.
.....	" "										" "
Adulterated according to Act.	Marked 'compound' but in very small letters.										Not analysed.
Adulterated.	.....	.....	+75.8	+63.0	12.8	9.5	.....	Much	Salicylic acid.	Trace	Contains glucose and a preservative.
Doubtful.	.....	48.00	+38.5	+32.2	6.3	4.7	43.30	Pre-sent.	None	None	Contains glucose.
Unadulterated	.....	63.44	+28.9	+5.4	23.5	17.9	45.54	None.	Doubtful.	.....	" "
.....	Collected by mistake.										Not worked as not being a preserve.
.....	" "										" "
Adulterated.	.....	59.32	+105.9	+84.7	21.2	15.8	43.52	Much	None	None	Contains glucose.
.....	Collected by mistake.										Not worked as not being a preserve.
Adulterated according to Act.	.....	65.32	+98.0	+90.5	7.5	5.6	59.72	Much	None	Present.	Contains glucose and is dyed, marked compound (but inconspicuously T.M.)

TABULATED STATEMENT REGARDING

Date of Collection.	Nature of Sample.	No. of Sample.	Name and Address of Vendor.	Cost.	Name and Address of Manufacturer or Furnisher.	Inspector's Report.
<i>District of Montreal—Continued.</i>						
1905.	Cts.					
Nov. 24	Peach Jam.	26843	Jos. Lamoureux & Co., St. Timothée St., Montreal.	3 jars 38		Manufactured by vendor and collected at factory. Labelled 'Kings' Brand. On side of label in small characters is stencilled the word compound.
" 24	Raspberry Jam.	26844	J. W. Windsor, 440 Visitation St., Montreal.	3 " 25		Ice 'Castle' Brand, manufactured by vendor and taken at factory. Word compound stencilled on side of label. Copy of label attached.
" 24	Strawberry Jam.	26845	" " " " 3 " 25	3 " 25		" " " "
" 24	Raspberry Jam.	26846	J. A. Poirault et Co., 40 Plessis St., Montreal.	3 " 25		Put up in tumblers. Sample collected at factory. Cover held on by circular. Label without name of manufacturer with the word compound stencilled thereon.
" 24	Plum Jam	26847	" " " " 3 " 25	3 " 25		" " " "
" 25	Strawberry Jam	26848	The Ozo Co., Ltd., Mount Royal Ave., Montreal.	3 " 25		Taken at factory of vendor. Word compound in small characters on side of label in stencil.
" 25	Peach Jam	26849	" " " " 3 " 20	3 " 40		" " " "
" 25	Strawberry Jam	26850	St. Louis Preserying Co., Ville-St. Louis.	3 " 40		Taken at factory of vendor. Word compound printed on label, Challenge Brand.
" 25	Raspberry Jam.	26 51	" " " " 3 " 40	3 " 25		" " " "
" 27	Raspberry Jelly.	26852	A. A. Lapierre, 773 E. Notre Dame St., Montreal.	3 " 25		Taken at factory of vendor. Word compound printed on label.
" 27	Strawberry Jelly	26853	" " " " 3 " 25	3 " 25		" " " "
" 27	Raspberry Jam.	26854	N. Belanger, 101 Brebeuf St., Montreal.	3 " 25		" " " "
" 27	Plum Jam.	26855	" " " " 3 " 25	3 " 30	Vendor	" " " "
Dec. 4	Marmalade	26868	Mrs. Luke, 183 Bleury St., Montreal.	3 " 30	Vendor	Taken at place of manufacture.
" 4	Raspberry Jam	26869	" " " " 3 " 45	3 " 45		" " " "
" 4	Grape Jelly	26870	" " " " 3 " 15	3 " 15		" " " "

190 SAMPLES OF FRUIT PRESERVES—Continued.

Chief Analyst's Remarks.	RESULTS OF ANALYSIS.										Remarks by Mr. McGill.
	Insoluble solids.	Dissolved solids.	SACCHARIMETER—NORMAL WEIGHT TO 100cc.			Residual cane sugar—(Cherest.)	Soluble matter, other than cane sugar.	Dextrine.	Preservatives.	Dyes.	
			Direct.	Invert.	Inference.						
	p. c.	p. c.	p. c.	p. c.	p. c.	p. c.	p. c.				
Adulterated according to Act.	Stencilled 'compound' and not conspicuously.										Not analysed.
"	The word 'compound' is stencilled across the label at the edge.										"
"	Stencilled 'compound'.										"
"	The word 'compound' is stencilled in exceedingly small characters in the upper right hand corner.										"
Adulteration declared.	The word 'compound,' although in small letters, is printed in the original label close to the name of the article.										"
"	"										"
"	Marked 'compound' although in small characters.										"
Unadulterated	64.26	+5.1	-19.6	24.7	18.0	45.26	None	None	None	Genuine.	
"	48.46	-8.4	-12.6	4.2	3.0	45.46	"	"	"	"	
"	62.98	+11.2	-18.5	29.7	22.2	40.78	"	"	"	"	

TABULATED STATEMENT REGARDING

Date of Collection.	Nature of Sample.	No. of Sample.	Name and Address of Vendor.	Cost.	Name and Address of Manufacturer or Furnisher.	Inspector's Report.
1905.			<i>District of Montreal—Concluded.</i>	Cts.		
Dec. 12	Strawberry Jam.	26879	E. Dufour, 266 Dorchester, Montreal	3 jars 25		Manufactured by vendor. Samples collected at factory. Labelled in French with word compound in stencil on end of label in small type. Contrary to Act. See labels attached.
"	12 Raspberry Jam.	26880	" " "	3 " 25		" " "
"	12 Peach Jam.	26881	" " "	3 " 25		" " "
"	22 Strawberry Jam	26886	Laporte, Martin & Co., St. Peter, Montreal.	3 " 27	Canada Preserving Co.	Labelled absolutely pure.
"	"	26887	Demers, Fletcher & Co., St. Paul St., Montreal.	3 " 25	Canada First. Aylmer Canning Co.	" " "
"	22 Raspberry Jam.	26888	" " "	3 " 25		" " "
"	22 Strawberry Preserves.	26889	Hudon & Orsali, St. Paul St., Montreal.	3 " 57	E. D. Smith, Windsor, Ont.	" " "
			<i>District of Ottawa—A. E. Sanderson, Insp.</i>			
Nov. 3	Crab Apple Jelly	28485	Harry Bennett, Albert St., Ottawa.	3 jars 30	Vendor	Samples sold as pure crab apple jelly. No label.
"	23 Raspberry Jam.	28486	" " "	3 " 60		Sample sold as pure raspberry jam. No label.
"	29 Strawberry Jam.	28487	Thomas Stevens, Carleton Place	3 " 75	Goodwillie & Son, Welland, Ont.	Sold as pure strawberry jam by vendor.
"	29 Lily Brand Plum Jam.	28488	J. D. Carmichael, Carleton Place.	3 " 30	Canada Preserving Co., Ltd., Hamilton.	Labelled absolutely pure plum jam.
"	29 Red Currant Jam	28489	E. C. Arnprior, Arnprior.	3 " 45	H. Goodwillie & Son, Welland, Ont.	Supposed and sold as pure red currant jam by vendor. Labelled as such.
"	29 Black Currant Jelly.	28490	W. M. Howe, Arnprior.	3 " 30	T. A. Lytle & Co., Toronto.	Labelled black currant jelly Sterling Brand. Retail.
"	29 Red Currant Jelly.	28491	J. B. Kemp, Pembroke.	3 " 30	E. D. Smith, Windsor, Ont.	Labelled currant jam. Trade mark 'E.D.S.'
"	30 Upton's Strawberry Jam.	28492	Griffith Bros., Pembroke.	3 " 30	Upton	Labelled Upton's strawberry jam.

190 SAMPLES OF FRUIT PRESERVES—Continued.

Chief Analyst's Remarks.	RESULTS OF ANALYSIS.										Remarks by Mr. McGill.
	Insoluble solids.	Dissolved solids.	SACCHARIMETER—NORMAL WEIGHT TO 100cc.			Residual cane sugar—(Clerget.)	Soluble matter, other than cane sugar.	Dextrine.	Preservatives.	Dyes.	
			Direct.	Invert.	Difference.						
	p. c.	p. c.	p. c.	p. c.	p. c.	p. c.	p. c.				
Adulterated according to Act.			Stencilled 'compose' in small and indistinct at edge of label. The label also bears the words 'A. Anatolie, Bayeux, France.'								Not analysed.
" ..											"
Adulterated ..	2.00	54.74	+27.3	+15.4	11.9	9.0	45.74	8.25	Benzoic acid.	Present.	Contains glucose, a preservative and is dyed.
Adulterated according to Act.			Stencilled 'compound' in small and indistinct letters.								Not analysed.
Unadulterated	6.54	64.50	+27.3	-20.8	48.1	35.9	28.60	None.	Salicylic acid.	None ..	Genuine but contains a preservative.
" ..			-4.9	-19.2	14.3	10.8	..	..	None ..	..	Genuine.
" ..		49.04	-1.7	-17.0	15.3	11.5	37.64	..	" ..	..	"
" ..		51.66	+13.6	-0.9	14.5	10.8	40.86	Trace.	Salicylic acid.	Present.	Contains a little glucose, a preservative and is dyed.
Adulterated according to Act.			In addition to the words absolutely pure, the label bears the word compound, small and indistinct.								Not analysed.
Doubtful.		46.92	+23.1	+22.6	0.5	0.4	46.52	Pre-	None ..	None ..	Contains glucose.
Unadulterated		60.84	+17.7	-21.7	39.4	29.4	31.44	None.	Benzoic acid.	Present.	Genuine but contains a preservative and is dyed.
" ..		60.26	+4.4	-13.9	18.3	13.6	46.06	..	None ..	None ..	Genuine.
Adulterated according to Act.			Label bears the words 'pure fruit, compound' in very small letters at edge of label.								Not analysed.

TABULATED STATEMENT REGARDING

Date of Collection.	Nature of Sample.	No. of Sample.	Name and Address of Vendor.	Cost.	Name and Address of Manufacturer or Furnisher.	Inspector's Report.
1905.			<i>District of Ottawa—Concluded.</i>	Cts.		
Nov. 30	Raspberry Jelly.	28493	Martin & Co., Pembroke.	3 jars 30	The O. Co., Montreal.	Sold as pure raspberry jelly.
Dec. 1	Upton's Plum Jam.	28495	Bell Bros., Mattawa	3 " 45	Upton..	Labelled Upton's plum jam. Sold as pure.
Nov. 30	Red Currant Jelly.	28494	Martin & Co., Pembroke.	3 " 45	E. D. Smith, Windsor, Ont.	Sold as pure jelly. Labelled currant jelly.
Dec. 1	" ..	28496	G. L. Lamothé, Mattawa.	3 " 45	H. Goodwillie & Son, Welland, Ont.	Labelled red currant jelly.
" 2	Red Currant Jam	28497	J. A. House & Co., North Bay.	3 " 75	Crosse & Blackwell, London Eng.	Labelled red currant jam.
" 2	Peach Jam. . . .	28498	Blanchet & Fitzpatrick, North Bay.	3 " 75	Hungerford, Smith Co., Ltd., Toronto.	Labelled peach jam. . .
" 2	Raspberry Jam.	28499	Leveoqne & Co., Sturgeon Falls.	3 " 75	Davies, Toronto. . .	Labelled pure fruit, compound.
" 5	Cairns Apple Jelly.	29202	C. A. Farmer, Perth, Ont.	3 " 90	Cairns & Paisley, Scotland.	Labelled Cairns finest Scotch preserves. Apple jelly. Special quality. Paisley, Scotland.
" 5	Apricot Jam. . . .	29203	" " . . .	3 " 90	Alexander Cairns & Co., Paisley, Scotland.	Labelled apricot jam. . .
" 5	Red currant Jelly	29204	J. H. Mendals, Perth, Ont.	3 " 60	Aylmer Canning Co., Aylmer, Ont.	Vendor purchased same from Lumsden Bros., Hamilton. Marked compound. Sold as red currant jelly.
" 5	Black Currant Jelly.	29205	" " . . .	3 " 60	" " . . .	" Sold as black currant jelly.
" 6	Lily Brand Raspberry Jelly.	29206	H. N. Bate & Son, Ottawa, wholesale.	3 " 30	Canada Preserving Co., Hamilton.	Labelled compound.
			<i>District of Kingston—J. Hogan, Inspector.</i>			
Nov. 21	Jam.	28533	G. Robertson & Son, Ontario St., Kingston.	1½ lbs. 25	Canada Preserving Co., Hamilton.	Wholesale
" 21	"	28534	W. G. Craig, Ontario St., Kingston.	2 " 45	Badger, London, England.	. . . . .

TABULATED STATEMENT REGARDING

Date of Collection.	Nature of Sample.	No. of Sample.	Name and Address of Vendor.	Cost.	Name and Address of Manufacturer or Furnisher.	Inspector's Report.
1906.			<i>District of Kingston—Concluded.</i>	Cts.		
Nov. 27	Jelly	28542	G. W. Armstrong, Cornwall.	3 lbs. 35	Upton, Hamilton.	
" 27	Jam	28543	D. J. Gillies, Pitt St., Cornwall.	3 " 30	J. W. Windsor, Montreal.	
" 27	"	28547	M. L. Smith, Pitt St., Cornwall.	3 " 30	Upton, Hamilton.	
" 27	Jelly	24548	A. B. Sheramen, Morrisburg.	1½ " 30	H. Goodwillie & Son, Welland.	
" 28	Red Currant Jelly.	28554	J. Mayberry, Main St., Prescott.	3 " 90	Crosse & Blackwell, London.	
" 28	Apple Jelly	28555	" "	3 " 90	" "	
" 28	Jam	28556	McDermott & McCarthy, Main St., Prescott.	1½ " 30	Standard Canning Co., Hamilton.	
" 28	Raspberry Jam . . .	28558	E. Whitney, Main St., Prescott.	1½ " 50	Graham, Hamilton.	
" 28	Orange Marmalade.	28559	F. H. Clifford, Brockville.	1½ " 30	Aylmer Canning Co., Aylmer, Ont.	
" 28	Plum Jam	28560	Camerson-Soper, Brockville.	3 " 45	Graham, Hamilton.	
" 29	Strawberry Jam	28564	A. E. Shaver, Brockville.	3 " 75	Lipton, London.	
" 29	Red Currant Jam.	28565	J. Culbert, Brockville.	1½ " 30	Canada Preserving Co., Hamilton.	
" 29	Raspberry Jam.	28566	R. R. Dowsley, Brockville.	1½ " 50	Upton, Hamilton.	
" 29	Strawberry Jam	28568	A. D. Adams, Brockville.	6 " 75	Badger & Co., London.	
" 29	Peach Jam	28569	Mrs. McHenry, Brockville.	1½ " 45	Standard Canning Co., Montreal.	
" 30	Jam	28570	W. J. Blife, Gananoque.	3 " 40	Graham, Hamilton	Duplicate broken
" 30	Raspberry Jam.	28572	S. J. Wilson, Gananoque.	1½ " 30	J. H. Smith, Toronto.	
" 30	"	28573	W. G. Rogers, Gananoque.	9 " 1 00	Pure Gold, Toronto.	

190 SAMPLES OF FRUIT PRESERVES—Continued.

Chief Analyst's Remarks.	RESULTS OF ANALYSIS.										Remarks by Mr. McGill.
	Insoluble solids.	Dissolved solids.	SACCHARIMETER—NORMAL WEIGHT TO 100cc.			Residual cane sugar—(Clerget.)	Soluble matter, other than cane sugar.	Dextrine.	Preservatives.	Dyes.	
			Direct.	Invert.	Difference.						
	p.c.	p.c.	p.c.	p.c.	p.c.	p.c.	p.c.				
Unadulterated	57.64	+12.2	+4.2	8.0	6.0	51.64	Trace.	Benzoic acid.	Present.	Contains a little glucose, and a preservative and is dyed.	
Adulterated according to Act.	Stencilled 'compound' indistinctly on edge.										Not analysed.
" "	Marked 'pure fruit, compound'										"
Doubtful	75.60	+44.3	+38.5	5.8	4.3	71.30	Present.	Salicylic acid.	Present.	Contains glucose, a preservative and is dyed.	
Unadulterated		+5.8	-21.7	27.5	20.5		None.	None.	None.	Genuine.	
"	65.70	+10.5	-20.6	31.1	23.2	42.50	"	"	"	"	
Adulterated according to Act.	Bears the word 'compound' stencilled and indistinct										Not analysed.
Adulteration declared.	Marked 'compound' plainly under the name of the article										"
Adulterated	64.72	+42.5	+23.4	19.1	14.2	50.52	Much.	Benzoic acid.	None.	Contains glucose and a preservative.	
Adulterated according to Act.	Marked 'absolutely pure' with the word 'compound' in small letters following.										Not analysed.
Unadulterated	55.24	+32.4	-7.8	40.2	30.0	25.24	None.	Benzoic acid.	Present.	Contains a little glucose, a preservative and is dyed.	
Adulteration declared.	Marked 'compound'										Not analysed.
Adulterated according to Act.	Marked 'pure fruit, compound' in small and indistinct letters										"
Unadulterated	66.00	31.5	-3.8	35.3	26.3	39.70	Trace.	Salicylic acid.	None.	Contains a little glucose and a preservative.	
Doubtful	10.2	+46.6	+11.2	35.4	26.3		Present.	Benzoic acid.	None.	Contains glucose and a preservative.	
"	63.68	+59.9	+40.9	19.0	14.2	49.48	Present.	"	Present.	Contains glucose, a preservative and is dyed.	
Adulterated according to Act.	Stencilled 'compound' very indistinctly										Not analysed.
Unadulterated	53.24	+10.5	-16.6	27.1	20.2	33.04	None.	Benzoic acid.	Present.	Genuine but contains a preservative.	

TABULATED STATEMENT REGARDING

Date of Collection.	Nature of Sample.	No. of Sample.	Name and Address of Vendor.	Cost.	Name and Address of Manufacturer or Furnisher.	Inspector's Report.
1905.			<i>District of London—T. Kidd, Inspector.</i>	Cts.		
Nov. 23	Raspberry Jam.	22417	McCormick & Co., manufacturers, London.	3 jars 25	McCormack & Co., Dundas St., London.	Branded compound ..
" 23	Plum Jam	22418	" " " " " " " "	3 pots 25	" " " " " " " "	" " " " " " " "
" 23	Raspberry Jam..	22419	" " " " " " " "	3 " 25	" " " " " " " "	" " " " " " " "
" 24	Strawberry Jam.	22420	C. H. Lee, grocer, 125 Dundas St., London.	3 " 30	Graham Canada Preserving Co., Hamilton.	Called Lily Brand strawberry jam.
" 24	Raspberry Jam.	22421	John Duprose, merchant, 56 Dundas St., London.	3 " 30	Upton & Co., Hamilton, called Upton's Pure Fruit Co.	Cannot say what wholesale house he bought from.
" 24	Plum Jam ...	22422	Thomas Upton & Co., manufacturers, Hamilton.	2 " 50	Thomas Upton & Co., manufacturers, Hamilton.	Bought from vendor in his factory. Branded compound.
" 24	Strawberry Jam.	22423	Thomas Upton & Co., Hamilton.	3 " 30	Thomas Upton & Co., Ltd., Hamilton.	Branded compound ..
" 24	Raspberry Jam.	22424	" " " " " " " "	3 " 30	Thomas Upton & Co., Hamilton.	" " " " " " " "
" 24	Peach Jam.	22425	" " " " " " " "	3 " 30	" " " " " " " "	" " " " " " " "
" 24	Raspberry Jelly.	22426	" " " " " " " "	3 " 30	" " " " " " " "	" " " " " " " "
" 25	Strawberry Jelly	22427	Canada Preserving Co., Hamilton.	3 " 30	Canada Preserving Co., Hamilton.	Bought from manager of company. Branded compound on label.
" 25	Raspberry Jam.	22428	" " " " " " " "	3 " 30	" " " " " " " "	Branded compound ..
" 25	Red Current Jelly.	22429	" " " " " " " "	3 " 30	" " " " " " " "	" " " " " " " "
" 25	Plum Jam ...	22430	" " " " " " " "	3 " 30	" " " " " " " "	" " " " " " " "
" 25	Raspberry Jam	22431	J. T. Wallace, grocer, Brantford.	3 " 45	F. D. Smith, Wina.	Sold as pure goods and not marked compound.
" 25	Powdered Jelly.	22432	Henry Morrison, grocer, Brantford, called McLaren's Jelly Powder.	3 pkgs. 25	Hamilton Coffee and Spice Co., Hamilton.	This is not branded compound.
" 29	Plum Jam ...	22436	Aylmer Canning Co., Hamilton.	3 jars 25	Aylmer Canning Co., Hamilton.	Marked compound...
" 29	Peach Jam..	22437	" " " " " " " "	3 pots 25	" " " " " " " "	Branded compound; small but plain.
" 29	Strawberry Jelly	22438	" " " " " " " "	3 " 25	" " " " " " " "	Branded compound ..
" 29	Strawberry Jam.	22439	" " " " " " " "	3 " 25	" " " " " " " "	Labelled compound ..
" 29	Raspberry Jelly.	22440	" " " " " " " "	3 " 25	" " " " " " " "	Branded compound ..

TABULATED STATEMENT REGARDING

Date of Collection.	Nature of Sample.	No. of Sample.	Name and Address of Vendor.	Cost.	Name and Address of Manufacturer or Furnisher.	Inspector's Report.
1905.			<i>District of Manitoba—W. M. Conklin, Inspector.</i>	Cts.		
Nov. 27	Black Currant Jam.	25595	The White Star Mfg. Co., Winnipeg.	3 jars 30	The White Star Mfg. Co., Winnipeg.	Sold as a compound ..
" 28	Plum Jam	25597	K. McKenzie & Co., Winnipeg.	7 lbs. 45	Canada First, Aylmer Canuing Co.	" " ..
" 28	Jam.....	25598	G. F. & J. Galt, Winnipeg.	7 " 45	J. W. Windsor, Montreal.	Sold as pure jam
" 28	Strawberry Preserve.	25599	Codville & Co., Winnipeg.	3 jars 90	E. D. Smith, Winona, Ont.	.....
" 29	Jam.....	25600	Campbell Bros. & Wilson, Winnipeg.	7 lbs. 50	Upton's ..	Sold as a compound...
" 29	Strawberry Jam.	25701	The A. Macdonald Co., Winnipeg.	3 jars 30	" ..	" " ..
" 29	Jam.....	25702	Hicks Bros., Winnipeg.	7 lbs. 45	Not known... ..	" " ..
" 29	"	25703	Dingle & Stewart, Winnipeg.	7 " 60	McCormick Mfg. Co.	" " ..
Dec. 8	Raspberry Jam.	25707	The T. A. Garland Co., Portage la Prairie.	3 jars 75	Shiriff's, Toronto..	.....
" 18	Strawberry Jam	28616	Campbell Bros. and Wilson, Calgary, wholesalers.	3 jars 40	J. W. Windsor, Montreal, P.Q.	Word 'compound' in small letters on edge of label.
" 18	Red Currant Jelly.	28617	Codville, Smith Co., Calgary, wholesalers.	3 " 75	E. D. Smith, Winona, Ont.	.....
" 20	" "	28618	G. F. & J. Galt, Calgary, wholesale.	3 " 35	Upton's, Hamilton	Marked 'pure fruit, compound' in small letters on label.
" 20	Strawberry Preserve.	28619	" "	3 " 65	E. D. Smith, Winona, Ont.	.....

190 SAMPLES OF FRUIT PRESERVES—Continued.

Chief Analyst's Remarks.	RESULTS OF ANALYSIS.										Remarks by Mr. McGill.	
	Insoluble solids.	Dissolved solids.	SACCHARIMETER—NORMAL WEIGHT TO 100cc.			Residual cane sugar (Clerget.)	Soluble matter, other than cane sugar.	Dextrine.	Preservatives.	Dyes.		
			Direct.	Invert.	Difference.							
	p. c.	p. c.	p. c.	p. c.	p. c.	p. c.	p. c.					
Adulterated according to Act.	Stencilled 'compound' very indistinctly.....										Not analysed.	
Adulteration declared.		56.72	+28.7	+24.5	4.2	3.1	53.62	Pre-sent.	Benzoic acid.	None..	Contains glucose and a preservative, but sold as compound. Fruit of poor quality.	
Adulterated		65.60	+102.9	+89.2	13.7	10.2	54.40	Much	Salicylic acid.	Present.	Contains glucose and a preservative and is dyed. Very little fruit.	
Unadulterated		58.14	+22.4	-17.1	39.5	30.6	28.14	None.	None. ...	None..	Genuine.	
Adulteration declared.		65.30	+53.0	+28.9	25.0	18.6	46.70	Pre-sent.	Benzoic acid.	Doubtful.	Contains glucose and a preservative, but sold as compound.	
Adulterated according to Act.	Marked 'pure fruit, compound' in small letters distinct from name of article.										Not analysed.	
Adulteration declared.		69.44	+124.2	+115.5	8.7	6.5	62.94	Much	None.....	Present.	Contains glucose and is dyed, but is sold as a compound. Very little fruit.	
"		59.36	+51.1	+31.2	19.9	14.9	44.40	"	Benzoic acid.	"	Contains glucose and a preservative and is dyed, but is sold as a compound.	
Unadulterated		61.74	-0.9	-19.6	18.7	14.0	47.74	None.	None.....	None..	Genuine.	
Adulterated according to Act.	Word 'compound' stencilled on edge of label.										Not analysed.	
Unadulterated		64.54	-2.6	-21.9	19.3	14.2	50.34	None.	None.....	None..	Genuine.	
Adulterated according to Act.	Marked 'pure fruit, compound' in small and indistinct letters.....										Not analysed.	
Unadulterated		2.21	62.18	+23.6	-20.5	44.1	33.2	28.98	None.	None.....	None..	Genuine.

TABULATED STATEMENT REGARDING

Date of Collection.	Nature of Sample.	No. of Sample.	Name and Address of Vendor.	Cost.	Name and Address of Manufacturer or Furnisher.	Inspector's Report.
1906.			<i>District of Calgary—Concluded.</i>	Cts.		
Dec. 20	Raspberry Jelly	28020	James Turner & Co., Calgary, wholesalers.	3 jars 30	Upton's, Hamilton, Ont.	
" 20	Raspberry Jam.	28021	James Turner & Co., Calgary Branch, wholesale.	3 " 35	" "	
			<i>District of British Columbia—E. B. Parkinson, Inspector.</i>			
Nov. 29	Raspberry Jam.	28025	Kelly, Douglas & Co., Vancouver.	3 bots. 1.45	H. J. Heinz Co., Pittsburgh, U.S.	Heinz preserved red raspberries.
" 30	Red Currant Jelly.	28026	Baker, Leeson & Co., Vancouver.	3 " 75	Mfg. by Pure Gold Mfg. Co., Toronto.	Balmoral brand, red currant jelly, Toronto.
" 30	Black Currant Jam.	28027	A. Macdonald & Co., Vancouver.	3 " 30	The Wm. Davies Co., Ltd., Toronto.	Genuine Canadian produce. Pure fruit jam. Black currant. Wm. Davies Co., Toronto.
" 30	Blackberry Jam	28028	Hudson's Bay Co., Vancouver.	3 " 65	Long Syrup Refining Co., San Francisco, Cal.	Selected California fruit, preserved in pure sugar. Blackberry jam. Long's preserves.
Dec. 1	Raspberry Jam	28029	Westminster Fruit Packing Co., New Westminster, B.C.	3 " 45	Westminster Fruit Packing Co., New Westminster, B.C.	Pure raspberry jam...
" 1	Blueberry Jam.	28030	" " " "	3 " 45	" " " "	The goods were packed but the labels were not out of printers' hands. Was assured they would be same as that on sample 28029, but with change in name of jam.
" 1	Strawberry Jam.	28031	" " " "	3 " 45	" " " "	(See remarks above).
" 2	Climax Gooseberry Jam.	28032	Empress Manfg. Co., Vancouver, B.C.	5 lb. p'l 40	Empress Manufacturing Co., Vancouver, B.C.	Climax brand jams and jellies, 'mixture' made from choice B.C. fruits. Climax Manfg' Co., Vancouver. Sold and marked as a mixture.

190 SAMPLES OF FRUIT PRESERVES—Continued.

Chief Analyst's Remarks.	RESULTS OF ANALYSIS.										Remarks by Mr. McGill.
	Insoluble solids.	Dissolved solids.	SACCHARIMETER—NORMAL WEIGHT TO 100CC.			Residual cane sugar (Clerget.)	Soluble matter, other than cane sugar.	Dextrine.	Preservatives.	Dyes.	
			Direct.	Invert.	Difference.						
	p. c.	p. c.	p. c.	p. c.	p. c.	p. c.	p. c.				
Adulterated...		69.62	+61.8	+20.3	41.5	32.0	37.62	13.15	Benzoic acid.	Present.	Contains glucose and a preservative, and is dyed.
Doubtful.....	2.35	62.56	+59.6	+23.6	16.1	12.0	50.56	3.60	Salicylic acid.	Doubtful.	
Unadulterated.....		53.90	-2.6	-17.5	14.9	11.0	42.90	None.	Benzoic acid.	Trace...	Genuine but contains a preservative.
".....		63.20	+4.2	-19.2	23.4	17.6	45.60	"	Benzoic acid.	Present.	
".....		51.48	-7.3	-11.9	4.6	3.4	48.08	"	None.....	None..	
Doubtful.....		50.08	+07.3	+89.1	8.2	6.1	52.98	Present.	"	Present.	Contains glucose and is dyed.
Unadulterated....		49.88	-3.1	-10.3	7.2	5.3	44.58	None.	"	None..	Genuine.
".....		40.40	+3.5	-11.5	15.0	11.2	29.20	"	"	"	"
".....		66.30	+12.6	-18.0	30.6	22.9	43.40	"	"	"	"
Adulteration declared.....		51.82	+53.9	+40.1	13.8	10.3	41.52	Present.	Salicylic acid.	Doubtful.	Contains glucose and a preservative. Sold as a mixture—very little fruit.

TABULATED STATEMENT REGARDING

Date of Collection.	Nature of Samples.	No. of Sample.	Name and Address of Vendor.	Cost.	Name and Address of Manufacturer or Furnisher.	Inspector's Report.
1905.			<i>District of British Columbia— Concluded.</i>	Cts.		
Dec.	2 Empress Raspberry Jam.	28033	Empress Manfg. Co., Vancouver, B.C.	3 jars 50	Empress Manufacturing Co., Vancouver, B.C.	Empress brand jams and jellies, put up by Empress Manfg. Co., Vancouver; a new label will bear the word 'mixture' as large as the word registered on white ground.
"	2 Victoria Cross Strawberry Jam	28034	" " "	3 " 40	" " "	Victoria Cross jams and jellies. Pure, wholesome and delicious. Strawberry jam. W. H. Malkin Co., Ltd., Vancouver.
"	4 Gold Medal Strawberry Preserves.	28035	W. H. Price, Victoria, B.C.	3 bots. 50	W. H. Price, Victoria.	Price Preserving Co. Pure preserves.
"	4 Excelsior Plum Jam.	28036	" " "	3 " 40	" " "	Absolutely pure fruit preserves. Preserved by Excelsior Fruit Preserving Co., Mfrs. of Gold Medal Brand.
"	4 Strawberry Jam	28037	J. H. Todd & Son, Victoria, B.C.	5 lb. p'l 25	Aylmer Canning Co., Aylmer, Ont.	Canada First brand. Strawberry jam. Preserved by Aylmer Canning Co.
"	4 Raspberry Jam	28038	R. H. Rithet & Co., Victoria, B.C.	3 cans 1.20	Simcoe Canning Co., Simcoe Ont.	Lynn Valley brand, pure jams and jellies.
"	4 Crown Brand Strawberry Jam.	28039	F. R. Stewart & Co., Victoria, B.C.	3 jars 50	F. R. Stewart & Co., Victoria, B.C.	I understand there is a working arrangement between this factory and the Vancouver Island Branch of the B.C. Fruit Growers Association.
"	4 Diadem Raspberry Jam.	28040	" " "	3 " 40	" " "	Diadem brand jams and jellies.

190 SAMPLES OF FRUIT PRESERVES—*Concluded.*

Chief Analyst's Remarks.	RESULTS OF ANALYSIS.										Remarks by Mr. McGill.
	Insoluble solids.	Dissolved solids.	SACCHARIMETER—NORMAL WEIGHT TO 100CC.			Residual cane sugar—(Clerget.)	Soluble matter, other than cane sugar.	Dextrine.	Preservatives.	Dyes.	
			Direct.	Invert.	Difference.						
	p. c.	p. c.	p. c.	p. c.	p. c.	p. c.	p. c.				
Unadulterated.....		62.34	+12.9	-17.8	30.7	22.9	39.44	None.	Benzoic acid.	None...	Genuine but contains a preservative.
Doubtful.....		62.52	+74.2	+46.5	27.7	20.6	41.92	Pre-sent.	Salicylic acid.	"...	Contains glucose and a preservative. Very little fruit.
Unadulterated.....		64.50	+19.9	-18.9	38.8	29.2	35.30	None.	None.....	"...	Genuine.
".....			+21.0	-15.9	36.9	27.4		"	"	Trace...	"
Doubtful.....		64.08	+30.8	+16.5	14.3	10.8	53.28	Pre-sent.	Benzoic acid.	Present.	Contains glucose, a preservative and is dyed.
Adulterated.....		60.80	+63.7	+53.9	9.8	7.3	53.56	Much.	Salicylic acid.	"...	"
Unadulterated.....		55.56	+6.1	-17.7	23.8	17.4	38.16	None.	Trace (benzoic acid).	None...	Genuine but contains a trace of a preservative.
".....		55.74	+19.2	-17.4	36.6	27.3	28.44	"	"	"	Very little fruit, otherwise is genuine.

