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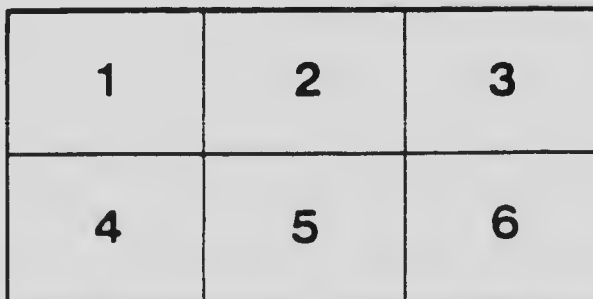
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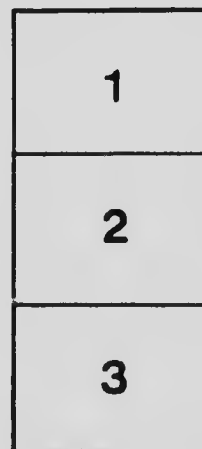
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LABORATORY  
OF THE  
INLAND REVENUE DEPARTMENT  
OTTAWA, CANADA

BULLETIN No. 293

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EVAPORATED APPLES

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7/12/14  
Sept. letter 123220  
file 107116 proposes pro-  
secution in cases  
marked thus -

LABORATORY

OF THE

INLAND REVENUE DEPARTMENT

OTTAWA, CANADA

BULLETIN No. 293

EVAPORATED APPLES

OTTAWA, Sept. 29th, 1914.

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

SIR,—I beg to hand you a report dealing with one hundred and eighty-four (184) samples of Evaporated Apples, purchased by our inspectors between February and May of this year.

By an Order in Council of 17th October, 1912, effective from 25th November, 1912, Evaporated Apples are required to contain no more than 27 per cent of water. Experience, as recorded in all the literature to which I have had access, and as furnished by inspectors and dealers, shows that a higher percentage of water than this is inconsistent with satisfactory keeping quality. Many of the best samples herein reported contain no more than 20 per cent of moisture, and I am convinced that Evaporated Apples need not, perhaps I should say, ought not, to contain more than 20 per cent of water.

A distinction is usually made between Dried Apples and Evaporated Apples, the first term being applied to the sun-dried or home-dried products: the second, to that resulting from the use of a specially constructed machine, in which heated air is the desiccating medium. It is evident that, especially for our climate, the use of machinery specially devised to hasten the process, and to protect the fruit from dust and flies during its exposure to heated air, is most desirable. Wooden trays or trays of so called "Agate ware" should be used and not galvanized iron. This latter material has been found to introduce soluble zinc into the product. (See Bull. 48, U. S. Dept. of Agriculture) Canvas bottomed trays are very practicable and possibly the galvanized tray might be found satisfactory if a protecting sheet of canvas were used.

There would seem to be no good reason why the large percentage of our apple crop now allowed to go to waste should not be saved in the form of Evaporated Apples. This article of food is entirely wholesome, if well prepared, and may be very attractive and desirable. It is much better suited to shipment than the fresh apple, and is available after the fresh fruit is no longer on the market.



One hundred and thirty-five (135) samples were found to be satisfactory from the point of view of soundness. Of this number only sixteen (16) samples contain above 27 per cent of moisture, a striking confirmation of the generally accepted belief that 27 per cent of moisture is a maximum amount, if Evaporated Apples are to be kept in sound condition.

Sixty-five (65) of the samples are more or less fermented. These are classed as below :

1. - Slightly fermented . . . . .	15 samples.
2. - Decidedly fermented . . . . .	29 "
3. - Strongly fermented and practically rotten . . . . .	21 "
Total . . . . .	65 samples.

An examination of the moisture content gives the following results :—

	Slightly fermented.	Decidedly fermented.	Rotten.
Less than 20 per cent moisture . . . . .	1 sample.	none.	none.
20 to 22 " . . . . .	none.	"	"
22 to 24 " . . . . .	none.	"	1 sample.
24 to 26 " . . . . .	3 samples.	2 samples.	1 "
26 to 28 " . . . . .	4 "	3 "	none.
28 to 30 " . . . . .	4 "	7 "	2 samples.
30 to 32 " . . . . .	3 "	10 "	3 "
32 to 34 " . . . . .	none.	5 "	1 "
34 to 36 " . . . . .	"	1 "	1 "
36 to 38 " . . . . .	"	none.	1 "
Above 38 " . . . . .	"	1 sample.	2 "
Total . . . . .	15 samples.	29 samples.	21 samples.

It will be seen that all samples, with exception of two, which were in any degree decayed, contain above 24 per cent of moisture; and that, up to a centent of 28 per cent, only 15 samples out of 65 were found fermented; in other words 50 samples out of 65 fermented, contained above 28 per cent of moisture. This seems to point to the fact that a safe maximum content for water in Evaporated Apples, must be found below 28 per cent.

Mr. R. J. Graham, of the Graham Co., Ltd., Belleville, addressed a circular letter to most of the men engaged in this industry in Canada, as follows :

BELLEVILLE, ONT., March 6th, 1914.

DEAR SIR :—

We have been discussing with the Government officials the advisability of reducing the percentage of moisture that is now permitted in Evaporated Apples, namely from 27 to 25 per cent. We have been testing the factories, and the Government have also been testing them from samples taken during the season. We believe it would be in the interest of all manufacturers to co-operate with the Government in reducing the moisture to a maximum of 25 per cent in order that the goods will carry in sound condition and keep sound during the summer months. Unless there is united effort on behalf of the manufacturers, and a petition signed, legislation of this kind will not be enacted the present season. We have found that good keeping quality should not contain more than 22 per cent of moisture, and unless the consumer has some guarantee that the goods will remain in sound condition until consumed, we shall lose the trade which we have now



and which is materially less than it used to be. Say by return mail if you would sign such a petition.

Yours truly,

Sgt R. J. GRAHAM,  
*President.*

Later Mr. Graham writes of his experience :

"There has been no unfavorable comment, and most of the manufacturers who have replied are in hearty sympathy with the movement.

We all realize the vital importance of manufacturing goods that will keep in sound condition until consumed, and it has only been made damp to meet the competition of low prices. Every manufacturer recognizes that the goods would be better if made drier, but has been forced to make them as heavy as possible in order to meet competitive price. The result of this has been disastrous to the trade."

Information received from the largest handlers of Evaporated Apples in New York is to the following effect :—

"Regarding the percentage of moisture in Evaporated Apples :

When the present law was passed in New York State which fixed 27 per cent of moisture as the extreme limit permitted in evaporated or dried apples, no legislation in that direction had previously been attempted and although the limit of 27 per cent was finally decided upon, had only been fixed after a number of analyses of different parcels of Evaporated Apples, it was still to a certain extent more or less of an experiment.

The law has undoubtedly been of great benefit and has eliminated some of the more flagrant abuses, but we believe it is now generally recognized that it did not go far enough. Experience has since pretty clearly shown that apples containing as much as around 27 per cent of moisture are not safe to carry under ordinary circumstances and that as a matter of fact, there are too many people, evaporators as well as dealers who consider the 27 per cent of moisture not as simply the extreme limit of moisture permitted, but rather a regular standard for Evaporated Apples. The general consensus of opinion now is, therefore, that the moisture limit was placed too high at 27 per cent and there is a movement afoot to try to have the law changed, making the limit 25 per cent instead of 27 per cent."

It will be noted that all information obtained in regard to this matter, whether by correspondence or by experiment, tends to show that 27 per cent of moisture in Evaporated Apples is too high a limit if good keeping quality is to be assured. I am strongly of opinion that 25 per cent should be made a legal maximum; and that Evaporated Apples containing no more than 20 per cent of moisture should be preferred.

I beg to advise publication of this report as Bulletin No. 293.

I have the honour to be, Sir,  
Your obedient servant,

A. MCGILL,  
*Chief Analyst.*

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

## DISTRICT OF NOVA SCOTIA—

1914.							
May	8	Evaporated Apples.	53951 A. L. Doyle & Co., Halifax, N.S.	1½	lb.	23	Johnston Bros., Forest, Ont. Payzant & King, Halifax, N.S.
"	11	"	53952 Wm. Moore, Halifax, N.S.	1½	"	18	Graham & Co., Belleville, Ont. Unknown.....
"	11	"	53953 Corkum & Ritcey, Halifax, N.S.	1½	"	18	C. T. C. Canning, Morrison & Williams, Halifax, N.S.
"	12	"	53954 S. Smith & Son, Halifax, N.S.	1½	"	21	Forsyth Bros., Greenwich, N.S. Chisholm & Co., Halifax, N.S.
"	13	"	53955 B. H. Dodge & Co., Kentville, N.S.	1½	"	20	Clark & Collier, Oakville, Ont. R. B. Seeton, Halifax, N.S.
"	13	"	53956 Yexas, Ltd., Kentville, N.S.	1½	"	20	Unknown..... Unknown.....
"	14	"	53957 Shand Bros., Windsor, N.S.	1½	"	20	Clark & Collier, Oakville, Ont. R. B. Seeton, Halifax, N.S.
"	18	"	53958 Coleman & Eisener, Dartmouth, N.S.	1½	"	20	Forsyth Bros., Greenwich, Ont. Chisholm & Co., Halifax, N.S.
"	19	"	53959 E. W. Crease & Son, Halifax, N.S.	1½	"	18	Unknown..... A. & W. Smith, Halifax, N.S.
"	19	"	53960 T. J. Brown, Halifax, N.S.	1½	"	23	Reid & Best, Thornbury, Ont. Jno. Tobies & Co., Halifax, N.S.

## DISTRICT OF NEW BRUNSWICK—

April	11	Evaporated Apples.	50678 D. R. Bedell, N.B. Andover, N.B.	1½	lb.	25	Graham Co., Ltd., Belleville, Ont. ....
"	2	"	50683 M. E. Grass, N.B. Andover, N.B.	1½	"	21	Canadian Fruit Growers Assoc., Nova Scotia. Jones & Schofield, St. John, N.B.
"	2	"	50684 W. A. Porter, N.B. Andover, N.B.	1½	"	24	Lakeview Evap. Co., Menford, Ont. ....
"	11	"	50685 J. W. McPhail, N.B. Perth, N.B.	1½	"	20	M. Schier, Norwich, Ont. W. C. Purvis, St. Stephen, N.B.
"	20	"	50686 Puddington, Morrison, Ltd., St. John, N.B. Wetmore, St. John, N.B.	3	tins.	20	W. W. Clatterson, Grafton, Ont. ....
"	20	"	50687 Vanwart Bros., N.B. St. John, N.B.	3	"	20	Mahler Bros., Chatham, Ont. ....
"	21	"	50689 Frank E. Williams, Ltd., St. John, N.B.	3	"	18	Unknown..... Unknown.....
"	21	"	50690 E. W. Rowley, N.B. St. John, N.B.	3	"	21	Joseph Bigelow, Port Perry, Ont. ....
"	23	"	50691 Sussex Mercantile Co., Ltd., Sussex, N.B.	3	"	20	Jno. A. Holgate & Son, Bowmanville, Ont. ....
"	24	"	50692 H. T. Brewster, N.B. Moncton, N.B.	3	"	20	M. Schier, Norwich, Ont. ....

## EVAPORATED APPLES.

Inspector's Report. (Is not an expression of opinion).	Results of Analysis.					No. of Sample.	Remarks and Opinion of the Chief Analyst.
	Moisture.	Quality.	Soundness.	Cleanliness.	Found.		

## R. J. WAUGH, INSPECTOR.

	p. c.						
& King, N.S.	24.2	Good	Sound	Clean		53951	Satisfactory.
	26.3	"	"	"		53952	"
& Wil, Halifax,	26.3	"	"	"		53953	"
& Co., N.S.	23.8	"	"	"		53954	"
on, Hali-	21.6	Fair	"	"		53955	"
	24.8	Good	"	"		53956	"
on, Hali-	22.7	Fair	"	"		53957	"
& Co., N.S.	24.5	Good	"	"		53958	"
Smith, N.S.	19.0	"	"	"	Slight trace SO <sub>2</sub>	53959	"
& Co., N.S.	28.5	"	"	"		53960	Water content too high.

## JNO. C. FERGUSON, INSPECTOR.

	28.3	Good	Sound	Clean		50678	Water content too high.
Beaver Brand	21.8	"	"	Fairly clean.		50683	Satisfactory.
"	25.3	"	"	Clean		50684	"
	24.1	"	"	"	Slight trace SO <sub>2</sub>	50685	"
	27.6	"	"	"		50686	Water content high.
	21.6	"	"	"		50687	Satisfactory.
Oxford Brand	23.4	"	"	"		50689	"
Choice Evaporated	31.0	"	"	"		50690	Water content too high.
Prime Evaporated Apples.	21.6	"	"	"		50691	Satisfactory.
Choice Evaporated Apples.	23.4	"	"	"	Slight trace SO <sub>2</sub>	50692	"

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

## DISTRICT OF QUEBEC--

1914							
Mar.	9	Evaporated Apples.	56215 Arthur Drolet, 712 Rue St. Valier, Quebec.	1½	lb.	23	Langlois & Paradis
"	9	"	56216 Hamel & Belard, 728 Rue St. Valier, Quebec.	1½	"	23	Whitehead & Turner.
"	10	"	56217 F. X. Gosselin, 297 Rue de la Couronne, Quebec.	1½	"	15	Unknown.
"	11	"	56218 National Railway, Rue du Pont, Quebec.	88	1½	18	J. B. Renand
"	11	"	56219 L. F. Martel, 64 Rue du Pont, Quebec.	1½	"	18	A. P. Dupuis.
"	12	"	56220 Myraud & Poullet, Rue de la Couronne, Quebec.	79	1½	18	W. V. Schans, Neustadt, Ont.
"	12	"	56221 R. S. Rivierin, 55 Rue de la Couronne, Quebec.	1½	"	23	J. N. Dolman, Ont. Turcotte & Fren.
"	12	"	56222 W. Cantin, 133 Rue du Pont, Quebec.	1½	"	18	Graham & Co., Belleville, Ont.
"	12	"	56223 C. Belanger, 104 Rue du Pont, Quebec.	1½	"	23	Unknown.
"	12	"	56224 C. Martel, 19 Rue d'Artillerie, Quebec.	1½	"	18	"

## DISTRICT OF EAST QUEBEC--

Mar.	23	Evaporated Apples	53361 P. Lavoie, St. Cyrille	1½	lb.	15	Gagnon & Gareau, Quebec.
"	23	"	53363 A. Lavoie, St. Eugene	1½	"	18	Drouin Frere, Quebec.
"	24	"	53366 O. Carbonneau, L'Islet	1½	"	18	N. Rioux, Quebec.
"	24	"	53370 E. Clouthier, Trois Saumon.	1½	"	18	Unknown.
"	21	"	53371 A. Caron, Trois Saumon.	1½	"	18	Joseph & Cie, Quebec.
"	25	"	53372 A. Mouin, St. Jean	1½	"	18	J. B. Renand, Quebec.
"	25	"	53373 E. Lavale, St. Jean	1½	"	18	"
"	25	"	53375 A. Blais, St. Aubert	1½	"	18	Whitehead & Turner.
"	25	"	53377 F. O. Lavale, St. Aubert	1½	"	18	Joseph & Cie, Quebec.
"	25	"	53379 A. Robichaud, St. Aubert.	1½	"	18	N. Rioux, Quebec.
"	26	"	53380 F. Belanger, St. Dam-asse.	1½	"	18	Carier & fils, Lewis

## EVAPORATED APPLES.

Inspector's Report. (Is not an expression of opinion.)	Results of Analysis.					No. of Sample.	Remarks and Opinion of the Chief Analyst.
	Moisture.	Quality.	Soundness.	Cleanliness.	Found.		

## E. N. W. E. BELAND, INSPECTOR.

	p.c.						
	19.8	Good.	Sound.	Fairly clean.	Wooden rake tooth.	56215	Doubtful.
	29.7	"	"	Clean.	Incipient ferment- ation.	56216	Water content too high.
	32.1	Poor.	"	Dirty.		56217	" " and otherwise un- satisfactory.
Res. Band	22.0	Fair.	"	Fairly clean.		56218	Satisfactory.
	17.2	"	"	"		56219	"
	30.4	"	"	"		56220	Water content too high.
	15.7	"	"	"		56221	Satisfactory.
	17.4	"	"	"		56222	"
	23.8	"	"	Clean.		56223	Water content too high.
	22.5	Good.	"	"		56224	Satisfactory.

## ALP. PELLETIER, INSPECTOR.

	22.6	Good.	Sound.	Clean.		53361	Satisfactory.
	26.8	"	"	Fairly clean.		53363	"
	18.6	Fair.	Mostly sound.	"		53366	"
	35.3	"	"	"	Incipient ferment- ation.	53370	Water content too high.
	22.9	"	"	"		53371	Satisfactory.
	18.6	"	"	Clean.		53372	"
	14.5	"	"	Fairly clean.		53373	"
	23.1	"	Sound.	"		53375	"
	21.9	"	"	"		53377	"
	23.2	"	"	Clean.		53379	"
	21.5	"	"	"		53380	"

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

## DISTRICT OF ARGENTEUIL, TWO MOUNTAINS

1914.							
Mar. 12	Evaporated Apples.	2327	J. Bte. Gougeon, St. Jerome, P.Q.	1½	lb.	18	Hudon & Orsali...
" 12	"	2328	H. Gingras, St. Jerome, P.Q.	1½	"	23	Chevalier & Pouliat, Joliette.
" 12	"	2329	Vila Lanjon, St. Jerome, P.Q.	1½	"	18	F. R. Lalor & Co., Montreal.
" 12	"	2330	Leandre Paquin, St. Jerome, P.Q.	1½	"	19	" "
" 12	"	2331	W. C. Forgette, St. Agathe des Monts.	1½	"	23	Hudon Hebert...
" 12	"	2332	Mde. L. W. Bissette, St. Agathe des Monts.	1½	"	23	F. R. Lalor & Co.
" 12	"	2333	Xoe Forgette, St. Agathe des Monts.	1½	"	20	Hudon & Orsali...
" 12	"	2334	R. Touchette, St. Agathe des Monts.	1½	"	19	S. J. Carter.....
" 12	"	2335	D. Heun, St. Agathe des Monts.	1½	"	18	L. Chaput Fils & Cie.

## DISTRICT OF QUEBEC—

Mar. 24	Evaporated Apples.	2501	Clephas Beaumont	1½	lb.	18	Gagnon & Garent Ltd., Quebec.
" 24	"	2507	J. W. Langlois	1½	"	18	Turcotte Frere & Cie., Quebec.
" 24	"	2510	Pierre Godbout	1½	"	18	A. Carrier & Fils, Levis.
" 24	"	2515	Michel Lacroix	1½	"	15	Turcotte Frere & Cie., Quebec.

## DISTRICT OF THREE RIVERS—

Mar. 11	Evaporated Apples.	60931	G. H. Rea, St. Felix de Valois.	1½	"	15	Chaput et Fils, Montreal.
" 11	"	60932	Henri Ducharme, Felix de Valois.	1½	"	15	Jos. Dufresne, Joliette.
" 11	"	60933	W. Bissette, St. Felix de Valois.	1½	"	18	Chevalier & Pouliot, Joliette.
" 11	"	60934	Albert Hellenese, Felix de Valois.	1½	"	20	" "
" 12	"	60935	Eric Desrochers, Gabriel de Brault.	1½	"	18	Chevalier & Magan, Joliette.
" 13	"	60936	J. Barrette, Joliette.	1½	"	18	Lakeview Evap. Co., Meaford, Ont.
" 11	"	60937	Magnum Fries, Joliette.	1½	"	18	Mahler, Forest, Ont.
" 13	"	60938	J. A. Boisvert, Joliette.	1½	"	18	Glapp Littlejohn, Dutton, Ont.
" 13	"	60939	A. Chartier, Joliette.	1½	"	18	O. W. Chatterson, Brighton, Ont.
" 13	"	60940	Debene & Picard, Joliette.	1½	"	20	Lakeview Evap. Co., Meaford, Ont.

EVAPORATED APPLES.

Inspector's Report (Is not an expression of opinion).	Results of Analysis.				No. of Sample.	Remarks, and Opinion of the Chief Analyst.
	Moisture.	Quality.	Soundness.	Cleanliness.		

AND TERREBONNE—N. CADIEUX, INSPECTOR.

	p.c.					
.....	25.4	Good.	Sound.	Clean.	2327	Satisfactory.
.....	22.2	Fair.	"	"	2328	"
.....	29.6	Good.	"	"	2329	Water content too high. X
.....	21.6	"	"	"	2330	Satisfactory.
.....	20.0	"	"	"	2331	"
.....	13.7	"	"	"	2332	"
.....	22.6	"	"	"	2333	"
.....	28.0	"	"	"	2334	Water content high.
.....	20.4	"	"	"	2335	Satisfactory.

O. BROCHU, TEMPORARY INSPECTOR.

.....	8.7	Poor.	Mostly sound.	Fairly clean.	2501	Doubtful.
.....	8.5	"	Sound.	Clean.	2507	"
.....	8.5	"	"	Fairly clean.	2510	"
.....	8.7	"	"	Clean.	2515	"

DR. V. P. LAVALLEE, INSPECTOR.

.....	11.2	Fair.	Sound.	Fairly clean.	60931	Satisfactory.
.....	21.6	"	"	"	60932	"
.....	22.0	"	"	"	60933	"
.....	19.6	Good.	"	Clean.	60934	"
.....	25.7	"	"	"	60935	"
.....	14.1	"	"	"	60936	"
.....	16.2	"	"	"	60937	"
.....	22.8	Good.	Sound.	Clean.	60938	Satisfactory.
.....	15.4	Fair.	"	"	60934	"
.....	19.3	"	"	"	60935	"

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

## DISTRICT OF EASTERN TOWNSHIPS—

1914.							
Mar. 24	Evaporated Apples.	60891	A. Petit, Roxton Falls	1½ lbs.	20	Malder Bros., Dresden, Ont.	
Apr. 29	"	60892	L. S. Biron, Drummondville.	1½ "	18	L. S. Tower, Roseville, Wayne Co., N. Y.	
" 29	"	60893	Gilmour & Girard, Waterloo, P. Q.	1½ "	20	W. H. Benson, Picton, Ont.	
" 30	"	60894	Mf. Danrais, Upton	1½ "	18	Clark, Longwell, Bowmanville, Ont.	
May 1	"	60895	Fred. J. Veirill, Mcbourne.	1½ "	18	R. J. Graham, Belleville.	
" 18	"	60896	G. Bronsseau, St. Hyacinthe.	1½ "	18	"	
" 18	"	60897	Pierre Levesque, St. Hyacinthe.	1½ "	18	W. V. Shaw, Port Hope.	
" 18	"	60898	Mf. Gervais, St. Hyacinthe.	1 lb.	12	"	E. Lafrance, St. Hyacinthe.
" 18	"	60899	Pierre Racine, St. Hyacinthe.	1 "	15	"	"
" 18	"	60900	F. X. Leblanc, St. Hyacinthe.	1 "	10	"	J. Ward & Co., Montreal.

## DISTRICT OF MONTREAL—

Mar. 25	Evaporated Apples.	62431	C. Lariviere, 810 Charlevoix St., Montreal.	1½ lbs.	18	"	Unknown
" 25	"	62432	Pellegrim Bros., Manufacturer St., Montreal.	150 1½ "	18	"	L. Chaput, Fillet Cie.
" 25	"	62433	J. A. Seguin, 181 Ropery St., Montreal.	1½ "	18	"	Unknown
" 26	"	62434	M. Cousol, 465 Grand Trunk St., Montreal.	1½ "	20	"	Laporte Martin & Cie.
" 26	"	62435	E. Boursier, 57 Laprairie St., Montreal.	1½ "	15	"	Unknown
" 26	"	62436	Boisvert Freres, 364 Hibernia St., Montreal.	1½ "	18	"	Bergeron Whissell & Co.
" 26	"	62437	G. Guibard, 118 Island St., Montreal.	1½ "	18	"	Laporte Martin & Cie.
" 27	"	62438	Joseph Dzyndzyripty, 233 Centre St., Montreal.	1½ "	8	"	M. Lavit & Son
" 27	"	62439	Panel Malevitz, Centre St., Montreal.	235 1½ "	18	"	Unknown
" 27	"	62440	Martin & Labeau, Centre St., Montreal.	256 1½ "	20	"	L. Chaput, Fillet Cie.



## EVAPORATED APPLES.

Inspector's Report (Is not an expression of opinion.)	Results of Analysis.					No. of Sample.	Remarks and Opinion of the Chief Analyst.
	Moisture.	Quality.	Soundness.	Cleanliness.	Found.		

## J. C. ROULEAU, INSPECTOR.

	p. c.					
.....	21.1	Good.	Sound.	Clean.	60.91	Satisfactory.
.....	20.9	"	"	"	60892	"
.....	19.8	"	"	"	60853	"
.....	23.0	"	"	"	60894	"
Guaranteed free from Zinc.....	21.9	"	"	"	60895	"
" ".....	18.3	"	"	"	60896	"
.....	19.3	"	"	"	60897	"
.....	20.5	"	"	"	60898	"
.....	18.1	"	"	"	60899	"
.....	18.6	"	"	"	60900	"

## D. J. KEARNEY, INSPECTOR.

.....	18.0	Good.	Sound.	Clean.	62431	Satisfactory.
.....	15.2	"	"	"	62432	"
.....	20.1	"	"	"	62433	"
.....	19.0	Fair.	"	"	62434	"
.....	21.9	Good.	"	"	62435	"
.....	24.2	Fair.	"	Fairly Clean.	62436	"
.....	20.2	Good	"	Clean.	62437	"
.....	25.6	Fair.	Mostly sound.	Fairly clean.	62438	"
.....	25.1	"	"	"	62439	"
.....	25.0	"	"	"	62440	"

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

## DISTRICT OF VALLEYFIELD—

1914.							
Mar. 18	Evaporated Apples	62721	A. Foisy, St. John's P.Q.	1½ lb.	15		
" 18	"	62722	M. A. Comtois, St. John's, P.Q.	1½ "	20		
" 18	"	62723	H. Sansonci, St. John's, P.Q.	1½ "	18	W. H. Benson,	Pictou, Ont.
" 23	"	62724	G. L. E. Guimond, Beauharnois, P.Q.	1½ "	18		
" 23	"	62725	J. C. Leonard, Beauharnois, P.Q.	1½ "	20		
" 23	"	62726	J. F. Aubert, Beauharnois, P.Q.	1½ "	20		
" 24	"	62727	Arthur McLean, Bedford, P.Q.	1½ "	20		
" 24	"	62728	D. H. Connor, Bedford, P.Q.	1½ "	20	Homer Read,	Meaford, Ont.
" 24	"	62729	Best Bros., Bedford, P.Q.	1½ "	20		
" 24	"	62730	C. O. Jones, Bedford, P.Q.	1½ "	20		

## DISTRICT OF OTTAWA—

Mar. 13	Evaporated Apples	63301	W. H. Dickson, Quyon, P.Q.	1½ lb.	18		F. J. Castle Co. Ottawa.
" 16	"	63302	Williams & Vanhuyen, Smith's Falls.	1½ "	19		Robertson, Nicolle, Smith's Falls.
" 16	"	63303	Baxter & Co., Smith's Falls.	1½ "	20		Geo. Robertson & Son, Smith's Falls.
" 16	"	63304	The A. E. Scott Co., Smith's Falls.	1½ "	18		Robertson Nicolle, Smith's Falls.
" 17	"	63305	D. J. Gillies, Cornwall.	1½ "	20		Chaput Fils, Montreal.
" 17	"	63306	W. H. Garliner, Cornwall.	1½ "	19	Unknown	Unknown
" 17	"	63308	A. E. Rea Co., Ltd., Ottawa.	1½ "	23		Lerner & Son, Ottawa.
" 23	"	63309	J. Bambrick, Market, Ottawa.	1½ "	15		Unknown
" 23	"	63319	Peter Devine, Market, Ottawa.	1½ "	15		J. Moynour, Ltd., Ottawa.
" 25	"	63330	P. J. Glavey, Market, Ottawa.	1½ "	20		H. N. Bate & Sons, Ottawa.

## EVAPORATED APPLES.

Inspector's Report. (Is not an expression of opinion).	Results of Analysis.					No. of Sample.	Remarks and Opinion of the Chief Analyst.
	Moisture.	Quality.	Soundness.	Cleanliness.	Found.		

## J. J. COSTIGAN, ACTING INSPECTOR.

	P. C.						
.....	23.2	Good.	Sound.	Clean.	.....	62721	Satisfactory.
.....	18.4	Fair.	"	"	.....	62722	"
.....	22.3	"	Mostly sound.	"	.....	62723	"
.....	30.0	"	Sound.	Fairly clean.	Incipient ferment- ation.	62724	Water content too high.
.....	26.3	Good.	"	Clean.	" " "	62725	Unsatisfactory.
.....	23.6	"	"	"	.....	62726	Satisfactory.
.....	29.2	Fair.	"	Fairly clean.	Incipient ferment- ation.	62727	Water content too high.
.....	25.9	"	"	Clean.	" " "	62728	Unsatisfactory.
.....	18.6	"	Mostly sound.	Fairly clean.	.....	62729	Satisfactory.
C and L Brand.....	23.3	"	Sound.	Clean.	.....	62730	"

## J. A. RICKEY, INSPECTOR.

.....	21.4	Fair.	Sound.	Clean.	.....	63301	Satisfactory.
.....	26.7	Good.	"	"	Incipient ferment- ation.	63302	Unsatisfactory.
.....	17.6	"	"	"	.....	63303	Satisfactory.
.....	20.7	"	"	"	.....	63304	"
.....	24.0	Fair.	"	"	.....	63305	"
.....	19.5	Good.	"	"	.....	63306	"
.....	23.6	Fair.	"	"	.....	63308	"
.....	21.0	Good	Sound	Clean.	.....	63309	"
.....	24.6	Fair.	"	"	.....	63310	"
.....	20.7	"	"	Fairly clean.	.....	63330	"

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

## DISTRICT OF KINGSTON—

1914.							
Mar. 12	Evaporated Apples.	60077	P. A. Haffner, Kingston.	1½ lb.	20		Geo. Robertson & Son, Kingston.
" 12	"	60078	C. H. Pickering, Kingston.	1½ "	20		Robertson, Nicolle & Co., Kingston.
" 12	"	60079	Anderson Bros., Kingston.	1½ "	20		W. G. Craig & Co., Kingston.
" 12	"	60080	H. A. Smith, Kingston.	1½ "	20		Geo. Robertson & Son, Kingston.
" 12	"	60081	J. D. Redmond, Kingston.	1½ "	15		J. Redden Co., Kingston.
" 12	"	60082	E. S. Suddard, Kingston.	1½ "	20		Geo. Robertson & Son, Kingston.
" 13	"	60083	D. Couper, Kingston.	1½ "	20		Geo. Robertson & Son, Kingston.
" 13	"	60084	J. Redden & Co., Kingston.	1½ "	20		R. J. Carson, Kingston.
" 16	"	60085	F. Rosevear, Port Hope.	1½ "	20		Perking Ince & Co., Peterborough.
" 16	"	60086	W. J. Ronlty, Peterborough.	1½ "	20		W. Davies, Toronto.

## DISTRICT OF TORONTO—

Mar. 21	Evaporated Apples.	62167	John Fell, 731 Broadview Ave., Toronto.	1½ lb.	20	J. P. Langdon, Lucan.	
" 21	"	62168	The T. Eaton Co., Ltd., Toronto.	1½ "	15		J. Innis
" 21	"	62169	The Robt. Simpson Co., Ltd., Toronto.	1½ "	15		Unknown
" 23	"	62170	Brown Bros., 592 Queen st. west., Toronto.	1½ "	20		The Davidson Hay Co., Ltd., Toronto.
" 24	"	62171	T. J. Medland, 132 King st. east, Toronto.	1½ "	18	J. F. Langdon, Lucan.	
" 24	"	62172	J. Conway & Co., 199 Dundas st. west., Toronto.	1½ "	18	Mahler Bros., Forest.	
April 2	"	62173	Michie & Co., Ltd., King st. w., Toronto.	7 1½ "	23		Unknown

## DISTRICT OF HAMILTON—

April 14	Evaporated Apples.	63261	Peebles Hobson Co., Ltd., Hamilton, Ont.	1½ lb.	19	Binder & Harrison, Kincaidine.	
" 29	"	63262	J. H. Marshall, 101 Queen st., Niagara Falls.	1½ "	20	"	

## DISTRICT OF WINDSOR—

Mar. 9	Evaporated Apples.	53619	F. McLougall, Ingersoll	3 tins.	15	E. O. Robinson & Co., Ingersoll.	
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EVAPORATED APPLES.

Inspector's Report (Is not an expression of opinion).	Results of Analysis.				No. of Sample.	Remarks and Opinion of the Chief Analyst.
	Moisture.	Quality.	Soundness.	Cleanliness.		

JAMES HOGAN, INSPECTOR.

	p.c						
	18.6	Fair.	Sound	Fairly clean		60077	Satisfactory.
	17.9	"	"	"		60078	"
	19.1	Good.	"	Clean.		60079	"
	19.1	"	"	"		60080	"
	17.6	"	"	"		60081	"
	23.3	"	"	"		60082	"
	26.8	"	"	"		60083	"
	25.9	"	"	"	Incipient fermenta- tion.	60084	Unsatisfactory.
	21.0	Poor.	Mostly Sound	Fairly clean.		60085	Doubtful.
	25.7	Good.	Sound.	Clean.		60086	Satisfactory.

H. J. DAGER, INSPECTOR.

	23.9	Fair.	Sound.	Clean.		62167	Satisfactory.
	21.7	Good.	"	"		62168	"
	30.1	Fair.	"	Fairly clean.	Incipient fermenta- tion.	62169	Water content too high.
	27.5	Good.	"	Clean.		62170	"
	28.2	Fair.	"	Fairly clean.		62171	"
	19.2	"	"	"		62172	Satisfactory.
	27.7	Good	"	Clean.		62173	Water content high.

H. J. DAGER, ACTING INSPECTOR.

	11.6	Good.	Sound.	Clean.		63261	Satisfactory.
	18.5	"	"	"		63262	"

W. O. TALBOT, INSPECTOR.

	24.3	Fair.	Sound.	Clean.		53619	Satisfactory.
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Date of Collection.	Nature of Sample.	No. of Sample.	Name and Address of Vendor.	Cost.		Name and Address of Manufacturer or Furnisher as given by the Vendor.	
				Quantity.	Cents.	Manufacturer.	Furnisher.

## DISTRICT OF MANITOBA—

1911.							
Mar. 12	Evaporated Apples	53281	Lawrie Bros., Craydon ave., Winnipeg.	1½ lb.	20		
" 16	"	53282	Hardy & Buchanan, Pembina st., Winnipeg.	1½ "	20		Richards & Brown, Winnipeg.
" 17	"	53283	J. Paterson, Main st. N., Winnipeg.	1½ "	22		The A. Macdonald Co., Ltd., Winnipeg.
" 17	"	53284	Max. Bryer, 1238 Main st., Winnipeg.	1½ "	15		
" 17	"	53285	J. Grant & Co., Notre Dame ave., Winnipeg.	1½ "	20		
" 17	"	53286	J. A. McDowell, Sherbrooke st., Winnipeg.	1½ "	20		M. Schier, Arkona, Ont.
" 18	"	53287	A. R. Paterson, Portage ave., Winnipeg.	1½ "	20	L. Mahley & Sons, Strathroy, Ont.	
" 18	"	53288	Godway & Co., Portage ave., Winnipeg.	1½ "	20	"	Campbell Bros. & Wilson, Winnipeg, 1907.
" 18	"	53289	John MacMillan, 579 Portage ave., Winnipeg.	1½ "	20	O. E. Robinson & Co., Ingersoll, Ont.	
" 18	"	53290	W & D. Mayo, Main st. N., Winnipeg.	1½ "	23	W. H. Benson, Pictou, Ont.	The Codville Co., Winnipeg.

## DISTRICT OF SASKATCHEWAN,

Mar. 26	Evaporated Apples	63702	V. Putz, Regina.	1½ lb.	15	Mahler Bros., Ont.	
" 30	"	63709	Biggs Bros., Regina.	1½ "	15	The Phillips Co., Redversville, Ont.	
" 30	"	63715	Crown Grocery, Regina.	1½ "	15	"	
" 30	"	63718	The Colonial Grocery, Regina.	1½ "	25	"	
" 30	"	63721	S. B. Yerva, Regina.	1½ "	25	Mahler Bros., Dresden, Ont.	
" 31	"	63722	The Regina Trading Co., Regina.	1½ "	20	"	
" 31	"	63727	Haberlack & Schillingra, Sedley.	1½ "	20	Vict. Evap., Norfolk, Ont.	
April 1	"	63735	Crown Grocery, Regina.	1½ "	25	The Phillips Co., Redversville, Ont.	
" 30	"	63716	R. H. Williams & Sons, Regina.	1½ "	20	Lawrie Co., Forest, Ont.	
April 1	"	63738	Crown Grocery, Regina.	1½ "	Nil	The Phillips Co., Redversville, Ont.	

## EVAPORATED APPLES.

Inspector's Report. (Is not an expression of opinion).	Results of Analysis.				No. of Sample.	Remarks and Opinion of the Chief Analyst.
	Moisture.	Quality.	Soundness.	Cleanliness.		
				Form.		

## A. C. LARIVIERE, INSPECTOR.

p. c.	Moisture	Quality	Soundness	Cleanliness	Form	No. of Sample	Remarks and Opinion of the Chief Analyst
20.1	Fair....	Sound..	Fairly clean.			53281	Satisfactory.
21.6	Good....	" ..	Clean..			53282	"
24.5	" ..	" ..	" ..			53283	"
19.5	" ..	" ..	" ..			53284	"
15.8	Fair....	" ..	Fairly clean.			53285	"
20.9	Good....	" ..	Clean..			53286	"
20.3	Fair....	Mostly sound.	" ..			53287	"
17.1	" ..	" ..	Fairly clean.			53288	"
26.1	Good....	Sound..	Clean..			53289	"
20.6	Fair....	" ..	Fairly clean.			53290	"

## JNO. O. SCOTT, INSPECTOR.

p. c.	Moisture	Quality	Soundness	Cleanliness	Form	No. of Sample	Remarks and Opinion of the Chief Analyst
9.2	Fair....	Sound..	Fairly clean.	Slight trace SO <sub>2</sub> ....		63702	Satisfactory.
17.2	" ..	" ..	" ..			63709	"
16.0	" ..	" ..	Clean..			63715	"
20.6	" ..	Slightly decayed	Fairly clean.			63718	Unsatisfactory.
23.9	Good....	Sound..	Clean..			63721	Satisfactory.
24.7	Fair....	Mostly sound.	" ..			63722	"
21.2	Good....	Sound..	Clean..			63727	"
17.3	Fair....	Mostly sound.	" ..			63737	"
11.3	Good....	Sound..	" ..			63716	"
17.3	" ..	" ..	" ..			63738	"

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

## DISTRICT OF ALBERTA—

1914.							
Mar. 18	Evaporated Apples.	51937	Sprague & Williamson, Medicine Hat.	1½ lb.	23	The Gibb Co., Hamilton.	
" 18	"	51938	Taylor Bros., Medicine Hat.	1½ "	20	Town & Case, Clinton, Ont.	
" 18	"	51939	Spencer & Todd, Medicine Hat.	1½ "	20	Johnson Bros., Forest, Ont.	
" 19	"	51940	H. A. McKilop Co., Lethbridge.	1½ "	20	Wm. Schaus, Clifford, Ont.	
" 19	"	51941	Hudsons Bay Co., Lethbridge.	1½ "	20	W.V. Schaus, Clifford, Ont.	
" 19	"	51942	Bentley Co. Ltd., Lethbridge.	1½ "	22	Biggs Fruit & Produce Co., Ltd., Burlington, Ont.	
" 21	"	51943	Campbell, Wilson & Horne, Calgary.	1½ "	20	Burr & Tuttle, Salmon Point, Ont.	
" 21	"	51944	George J. Wood, Calgary.	1½ "	22	Lalor & Company, Oshawa.	
" 23	"	51945	J. H. Morris & Co., Edmonton.	1½ "	17	The Gill Co. Ltd., Hamilton.	
" 23	"	51946	Henry Wilson, Edmonton.	1½ "	25	W. H. Benson, Picton, Ont.	

## DISTRICT OF ROCKY MOUNTAINS—

Feb. 17	Evaporated Apples.	50079	L. C. Masson, Revelstoke, B.C.	1½ lb.	30	F. R. Lalor & Co., Dunnville, Ont.	
" 17	"	50080	Bourne Bros., Revelstoke, B.C.	1½ "	30	Biggs Fruit & Produce Co. Ltd., Burlington, Ont.	
" 17	"	50081	C. B. Hume & Co., Revelstoke, B.C.	1½ "	25	Thos. Symington, Napanee, Ont.	
April 13	"	50087	W. J. Woods, Enderby, B.C.	1½ "	25	Badley Canning Co., Talent, Ore.	
" 13	"	50091	Polson, Murrin & Speers, Enderby, B.C.	1½ "	30	Balfour, Smye & Co., Hamilton.	
May 2	"	61608	Hudsons Bay Co., Nelson, B.C.	1½ "	25	Thos. Symington, Napanee, Ont.	
" 2	"	61609	Bell Trading Co., Nelson, B.C.	1½ "	25	Balfour Smye & Co., Hamilton.	
" 6	"	61611	Creston Mercantile Co., Creston, B.C.	1½ "	25	James Turner, Hamilton.	
" 12	"	61612	Hosmer Industrial Association, Hosmer, B.C.	1½ "	25	The F. R. Lalor Co., Dunnville, Ont.	
" 12	"	61618	Bohemian & Russian Store, Hosmer, B.C.	1½ "	25	A. MacDonald, & Co., Fernie, B.C.	



## EVAPORATED APPLES.

Inspector's Report. (Is not an expression of opinion).	Results of Analysis.				No. of Sample.	Remarks and Opinion of the Chief Analyst.
	Moisture.	Quality.	Soundness.	Cleanliness.		

A. W. R. MARKLEY, INSPECTOR.

16 3	Fair.	Slightly dried	Fairly clean.	51937	Unsatisfactory.
14 6	Good.	Sound.	Clean.	51938	Satisfactory.
16 0	"	"	"	51939	"
20 7	Fair.	Mostly sound.	"	51940	"
20 4	Good.	Sound.	"	51941	"
16 5	"	"	"	51942	"
22 4	"	"	"	51943	"
21 1	Fair.	"	"	51944	"
26 1	"	"	Fairly clean.	51945	"
15 5	"	"	"	51946	"

THOS. PARKER, INSPECTOR.

22 1	Good.	Sound.	Clean.	50079	Satisfactory.
20 5	"	"	Fairly clean.	50080	"
27 6	"	"	Clean.	50081	Water content high.
29 1	Fair.	"	"	50087	Satisfactory.
Tutan.	22 9	Good.	"	50091	"
32 3	"	"	"	61608	Water content to high.
23 8	Fair.	Sound.	Clean.	61609	Unsatisfactory. One worm and nine Beetles.
20 2	Good.	"	"	61611	Satisfactory.
23 5	"	"	"	61612	"
25 1	"	"	"	61618	"

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

## DISTRICT OF VANCOUVER-

1914.							
Mar. 31	Evaporated Apples.	54997	H. A. Edgett Co., Ltd., Vanc, B. C.	1½ lbs.	25	Unknown	Leeson, Dickie, Gross & Co., Ltd. Vanc, B. C.
" 31	"	54998	Woodward Dept. Stores, Vanc, B. C.	1½ "	20	F. R. Lalor & Co. Ltd., Dunnville, Ont.	
Apr. 17	"	54999	Swindell Bros., Commercial Drive, Vanc, B. C.	1417 1½ "	25	Unknown	The W. H. Malkin, Co., Ltd., Vanc, B. C.
" 17	"	55000	King Grocery Co., Commercial Drive, Vanc, B. C.	956 1½ "	25	F. R. Lalor Co., Ltd., Dunnville, Ont.	
" 17	"	55001	False Creek Grocery, 790 Keefer St., Vanc, B. C.	1½ "	25	"	"
" 21	"	55002	Annandale Supply Co., Columbia St., New Westminster, B. C.	1½ "	25	"	"
" 21	"	55003	C. A. Welsh Ltd., Westminster, B. C.	New 1½ "	25	"	"
" 21	"	55004	Larsen & Aune, Front St., New West- minster, B. C.	691 1½ "	25	"	"
" 22	"	55005	W. H. Walsh, Seymour & Davie Sts., New Westminster, B. C.	1½ "	20	Guggenbime & Co., California.	Kelly, Douglas & Co., Ltd., Vanc, B. C.
" 22	"	55006	The Webster Bros., Ltd., 1275 Granville St., New Westminis- ter, B. C.	1½ "	20	F. R. Lalor Co., Ltd., Dunnville, Ont.	

## DISTRICT OF VICTORIA-

Mar. 12	Evaporated Apples	57775	C. F. Wood, 971 Yates St., Victoria, B. C.	1½ lbs.	20		
" 13	"	57781	Acton Bros., 1317 Doug- las St., Victoria, B. C.	1½ "	25		Simon Leiser & Co. Ltd., Victoria, B. C.
" 13	"	57783	Windsor Grocery Co., 817 Govt. St., Vic- toria, B. C.	1½ "	25	California Fruit, Canner's Associ- ation, San Fran- cisco, Cal.	
" 13	"	57784	The West End Grocery Co., Ltd., 1002 Govt. St., Victoria, B. C.	1½ "	25		R. P. Rithet & Co. Ltd., Victoria B. C.
" 13	"	57787	Copas & Young, 633 Fort St., Victoria, B. C.	1½ "	25		"
" 13	"	57788	Copas & Young, 633 Fort St., Victoria, B. C.	1½ "	25		"

## EVAPORATED APPLES.

Inspector's Report. (Is not an expression of opinion.)	Results of Analysis.					No. of Sample.	Remarks and Opinion of the Chief Analyst.
	Moisture.	Quality.	Soundness.	Cleanliness.	Found.		

## E. J. MORGAN, INSPECTOR.

	p. c.						
.....	20.8	Good.	Sound.	Clean.	.....	54997	Satisfactory.
.....	20.4	"	"	"	.....	54998	"
.....	22.4	"	"	"	.....	54999	"
.....	24.6	"	"	"	.....	55000	"
.....	20.7	"	"	"	.....	55001	"
.....	21.5	"	"	"	Very slight trace SO <sub>2</sub>	55002	"
.....	25.4	"	"	"	.....	55003	"
.....	24.9	"	"	"	.....	55004	"
.....	20.6	Fair.	"	"	Slight trace SO <sub>2</sub> .....	55005	"
.....	23.5	Good.	"	"	.....	55006	"

## D. O. SULLIVAN, INSPECTOR.

.....	23.5	Good.	Sound.	Clean.	.....	57775	Satisfactory.
.....	25.2	Fair.	Mostly sound.	Fairly clean.	.....	57781	"
Ora Brand	23.8	"	Sound.	"	.....	57783	"
.....	22.8	"	Mostly sound.	"	.....	57784	"
.....	25.0	Good.	Sound.	Clean.	Heavy trace SO <sub>2</sub> .....	57787	Excess sulphurous acid, otherwise satisfactory, Doubtful.
.....	25.9	"	"	"	.....	57788	Satisfactory.

Date of Collection.	Nature of Sample.	No. of Sample.	Name and Address of Vendor.	Cost		Name and Address of Manufacturer or Furnisher, As given by the Vendor.	
				Quantity.	Cost.	Manufacturer.	Furnisher.
DISTRICT OF VICTORIA—							
1914.							
Mch. 17	Evaporated Apples	57789	Dixie H. Ross & Co., 1 1/2 lbs. 1317 Govt. St., Victoria, B. C.	25		Norfolk Preserving Co., Simcoe, Ont.	
" 17	"	57792	H. O. Kirkham, 741 1/2 Fort St., Victoria, B. C.	25		Unknown	Unknown
" 17	"	57795	Erskine & Co., 861 John ston St., Victoria, B. C.	1 1/2	25	California Fruit & Canner's Association, San Francisco, California.	
" 17	"	57799	C. H. Barrington, 1422 1/2 Fort St., Victoria, B. C.	1 1/2	25	F. R. Labor & Co., Ltd., Dunnville, Ont.	

— from Leach's Foods, &c —

### Composition of Apple —

Atwater & Bryant. Bull. 28 - Dept. Agriculture  
U.S.A.

Means of 29 Samples

	Wet	as purchased
Water	84.6	63.3
Refuse	—	25.0
Protein	0.4	0.3
Fat	0.5	0.3
Total Carbohydrate	14.2	10.8
Crude Fibre	1.2	—
Ash	0.3	0.3
Calories per pound	290	220

Vorrowe - Agr Dept. Penn. Bull. 58

Average composition for 27 varieties

Water	83.57	
Solids	16.43	
Invert Sugar	7.92	} 11.91 = 12.12 as invert Sugar
Sucrose	3.99	
Free lactic acid	0.61	
Ash	0.27	
Sugar Coeff.	$\frac{12.12 \times 100}{16.43} = 73.76\%$ of Solids	

## EVAPORATED APPLES.

Inspector's Report (Is not an expression of opinion).	Results of Analysis.					No. of Sample.	Remarks and Opinion of the Chief Analyst.
	Moisture.	Quality.	Soundness.	Cleanliness.	Found.		

*Concluded.*

	p. c.						
.....	21.5	Poor.	Mostly Sound.	Not Clean.	Three beetles.....	57789	Unsatisfactory.
.....	21.0	Fair.	"	Clean.	Two beetles.....	57792	"
.....	23.2	Poor.	"	Fairly Clean.	One dead beetle.....	57795	"
.....	25.4	"	"	Not Clean.	Three worms.....	57799	"

