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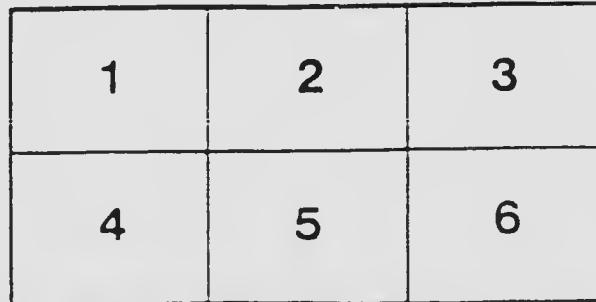
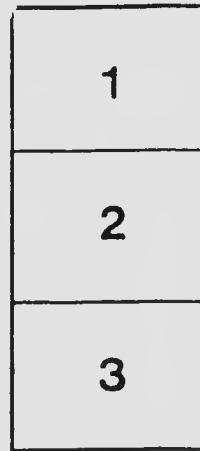
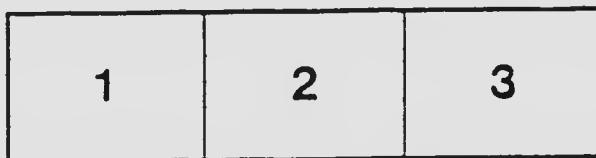
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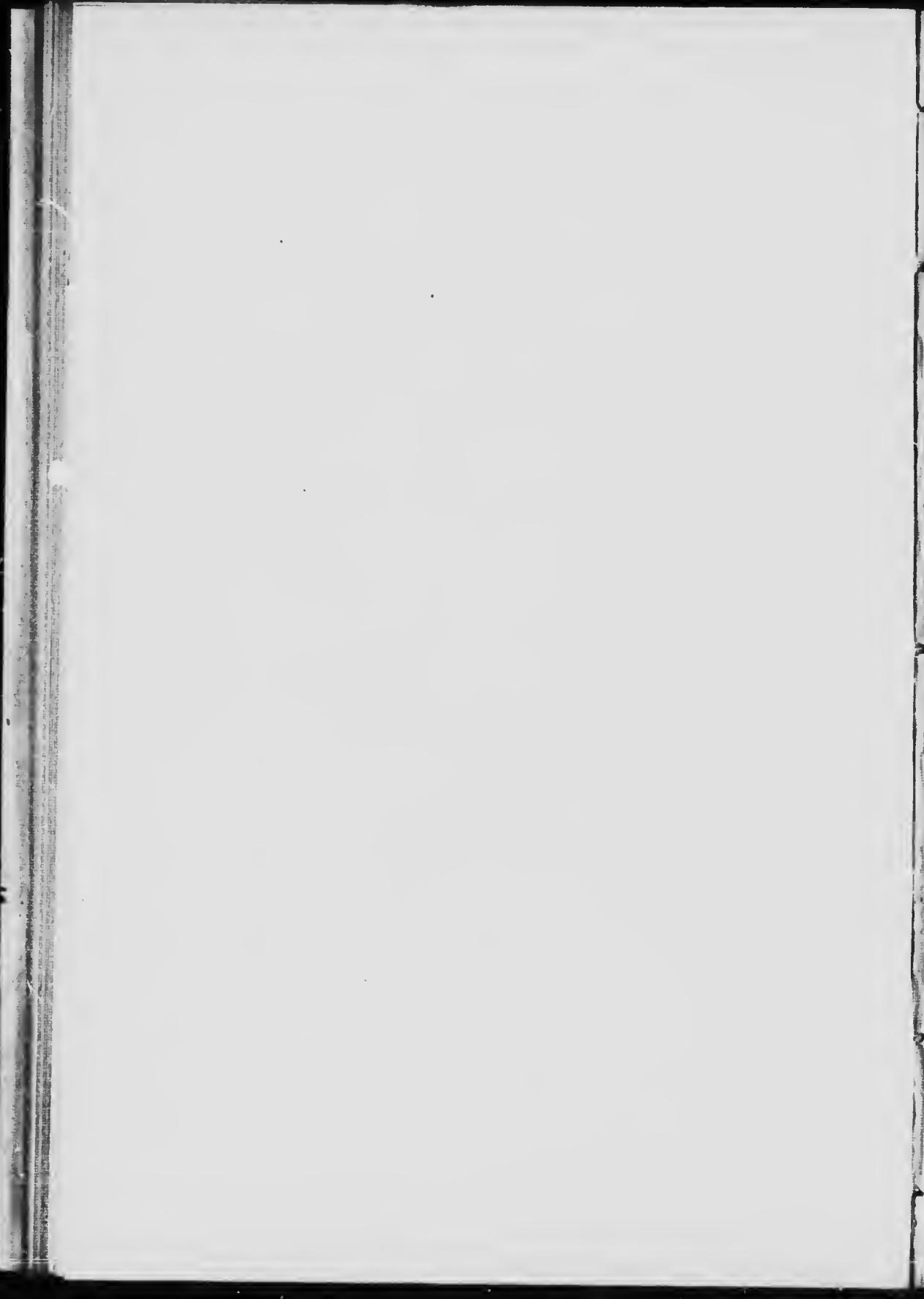
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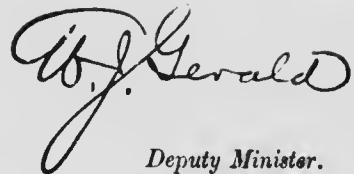
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O. H. M. S.



W. J. Gerald

Deputy Minister.

LABORATORY

OF THE

INLAND REVENUE DEPARTMENT

OTTAWA, CANADA

BULLETIN No. 132

BREAKFAST FOODS.

LABORATORY OF THE INLAND REVENUE DEPARTMENT

OTTAWA, CANADA

BULLETIN No. 132

BREAKFAST FOODS.

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

OTTAWA, March 25, 1907.

SIR—On the 22nd October last a collection of what are known as "Breakfast Foods" was authorized by you and the samples were obtained in the open market by the food inspectors in the month of November following. They have since been examined in this Laboratory, and the results are detailed in the table which accompanies this report, in which the names of the various brands, their vendors and manufacturers, and some of the claims made by the latter for their articles, are also given. The following is a memorandum of the number of samples obtained in the various inspection districts:—

	Samples.
Nova Scotia	6
P. E. Island	3
New Brunswick	6
Quebec	12
St. Hyacinthe	10
Montreal	12
Ottawa	8
Kingston	8
Toronto	10
London	8
Manitoba	8
British Columbia	8
Total	99

The food inspectors were instructed to obtain as great a variety of these "breakfast foods" as possible, and perhaps some have been collected which do not properly belong to that class, and which do not much differ from the rolled oats or wheaten flours described in former Bulletins (see Nos. 98 and 127). The whole of the work connected with these 99 samples was carried out by Mr. J. G. A. Valin and is to be considered as having a bearing on some of the points referred to by Mr. McGill in his report of 10th December, 1902, published in Bulletin No. 84 on Cereal Breakfast Foods. The expression "Breakfast Foods" seems to be used for indicating that an addition of some sort has been made to the cereal used as a basis, or that the latter has received a certain amount of "preparation" or "cooking." Mr. McGill says that the claim of the manufacturers of the cooked or malted foods is that by the process to which they have been subjected the "insoluble starch is converted into soluble maltose and dextrine." The extent to which such alterations have been made seems to be best indicated by the percentages of alcoholic or aqueous extract as ascertained by Mr. Valin. The process followed by him is known as the Crysotile or Asbestos Fibre Method, and consists in distributing the fine-ground sample through such fibre contained in Macfarlane tubes, and subjecting these to drying and hot percolation which give the results detailed in the tabulated statement. The first in the columns of results contains the total proteids, being the nitrogen determined by the Kjeldahl-Gladding method multiplied by 6.25. The second is headed "moisture" and signifies loss at 100° C. The third column gives the loss to

	Proteids.	Fat.	Alcohol extract.	Aqueous extract.
	p. c.	p. c.	p. c.	p. c.
Beaver Oats	16.87	5.61	1.96	5.88
Quaker Oats	15.27	5.21	2.89	5.24
Saxon Oats	16.18	4.32	3.29	5.00
Pilson's Oats	16.60	5.72	3.28	4.52

It will be observed that these samples have all yielded more than 3 p.c. of extract, and it may be inferred that these foods have experienced an amount of "parparation" corresponding to the percentage stated.

In the following table will be found the average analysis of 12 samples of oats described in Bulletin No. 127 as well as of 2 samples of porridge made from the same article the one (I) without addition and the other (II) with an appropriate quantity of common salt:—

	Total proteids.	Moisture.	Fat.	Alcohol extract.	Water extract.	Crude Fibre.	Total Ash.	Starch ap- proximate- ly and by differ- ence.
		p. c.	p. c.	p. c.	p. c.	p. c.	p. c.	
Rolled oats (average)	12.56	8.71	4.71	3.77	2.12	1.64	1.45	65.01
Porridge I	3.00	83.98	0.09	0.54	1.22	0.22	0.35	10.90
Duplicate	2.88	83.11	0.12	0.97	1.31	0.26	0.62	11.62
Porridge II	3.00	82.96	0.29	1.14	2.38	0.20	0.92	9.20
Duplicate	3.16	82.97	0.18	1.05	2.27	0.20	0.96	9.18

When these figures are calculated on the dry substance the results are as follows:—

	Total proteids.	Moisture.	Fat.	Alcohol extract.	Water extract.	Crude Fibre.	Total Ash.	Starch ap- proximate- ly and by differ- ence.
		p. c.	p. c.	p. c.	p. c.	p. c.	p. c.	
Rolled Oats	13.76	.....	5.19	4.13	2.32	1.80	1.79	71.21
Porridge I	18.72	.....	0.55	0.34	7.62	1.37	3.90	67.41
" duplicate	17.04	.....	0.70	0.37	7.78	1.52	3.81	68.79
" No. II	17.60	.....	1.17	0.69	13.97	1.18	5.39	53.98
" duplicate	18.55	.....	1.05	0.18	13.50	1.18	5.63	53.88

If the analyses of the four varieties of prepared oats above mentioned are calculated on their dry substance the resulting figures may be compared with those obtained from the analyses of the porridge samples. None of them however show more than 6.37 per cent. of aqueous extract which does not amount to one-half of that obtained when porridge is prepared in the old fashioned way. It is worthy of remark that the figures here recorded show that cooking oatmeal without salt is a very ineffective way of "predigesting" the starch which it contains. Porridge No. II, cooked with salt, contains twice the amount of soluble dextrines produced in preparing No. I. Another fact which is brought out by these tests is that the fat seems to disappear during the cooking. It is very probable, however, that it enters into some sort of combination with the proteids, such as renders it incapable of removal by the usual solvents. Dr. Chamberlain of Washington has

found that the fat of wheaten flour in the process of baking bread also enters into combination with the proteids.

For by far the greater number of the samples described in the tabulated statement it is claimed that they are made from wheat and judged by their percentages of aqueous extract, most of them have experienced such amounts of preparation as to make them, in different degrees, more easily digested than wheaten flour. Samples of the latter frequently show as much as 4 per cent of aqueous extract after alcohol, but it would seem unreasonable to look upon any foods from wheat as specially prepared unless yielding much more than that percentage. In considering the question as to what degree of "cooking" a "prepared breakfast food" should have undergone it is scarcely possible to avoid enquiring as to what amount of change wheaten flour undergoes in baking. To ascertain this the following analyses were made by Mr. Valin (in exactly the same manner as all the examinations above described), of dried bread crumb and dried bread crust. The former (I) in drying lost 31.96 per cent of its weight and the latter (II) 50.82 per cent:—

Bread.	Total proteids.	Moisture.	P. E. extract.	Alcohol extract.	Water extract.	Crude Fibre.	Total Ash.	Starch by difference.
(I) Crumb.....	12.67	2.56	0.00	0.00	16.32	0.70	3.06	66.69
Duplicate.....	12.56	2.08	0.00	0.00	15.64	0.60	1.16	67.96
(II) Crust.....	12.75	0.36	0.40	3.56	13.20	0.75	1.16	67.82
Duplicate.....	12.81	0.48	0.40	4.00	12.88	0.70	1.00	67.83

When these figures are calculated on the dry substance they show that bread contains from 13 to 16.75 per cent of substances soluble in water after alcohol, an amount which much exceeds that contained in most of the breakfast foods described in the tabulated statement. Assuming dry bread to contain an average of 15 per cent aqueous extract, and the moisture contained in breakfast foods to be about 8 per cent, it follows that, to be as well "prepared" as bread, the foods ought to show 13.8 per cent of aqueous extract. This, as shown in the figures given above, is the case with only about twenty per cent. of the brands collected.

For a good many of the samples described it is claimed that an addition to them of malt extract or of sugars has been made. The extent of this addition is roughly shown in the percentage of hot alcohol extract. But in the preparations from wheat a certain amount of this percentage may represent gliadin. The amount of this and other substances usually removed from wheaten flour by hot alcohol percolation is about five per cent and therefore it would be unsafe to regard those samples containing less than that as having had any malt or saccharine addition. It was not thought necessary to estimate the sugars present or determine those produced in cooking any of the samples by the action of the malt diastase which they might contain. The latter operation seems to lie beyond the scope of a food analysis, and besides, while "cooking is recommended" for some of the foods, in others it is stated to be unnecessary. An approximate estimation of the residual or insoluble starch has been made from which it will be seen that the "predigestion" claimed for many of the foods is not by any means complete, and that the use of the saliva and gastric juice cannot yet be dispensed with.

It has not been found advisable to introduce into the description of the various brands described all the claims made for them, some of which remind one of patent medicine advertising. But the essential features of the claims made are placed on record, and it is impossible to avoid remarking on the different degrees of subdivision effected in their treatment. That varies from "rolling" to "flaking" of a very complete character in which the grains are brought into the condition of thin, semitranslucent laminae. It is quite possible that this thinning out increases the digestibility but it is a question as to whether this change is worth the extra cost. It is not easy to get at

the price of these articles per pound owing to the indefinite and varying weights contained in the packages. But it seems to amount to from 5 to 23 cents per lb. Since oatmeal or wheaten flour is retailed at from 3 to 4 cents, it becomes a question as to how far the extra price is justified.

With reference to the question of adulteration it does not appear that any of the samples referred to in this report can be challenged with effect under any of the provisions of the Act. The names under which they are sold are too fanciful and indefinite and do not admit of being compared with their composition. Even in the case of those foods which claim to be "malted," and may not contain diastase it is doubtful as to whether they could be challenged in the absence of a standard.

I have the honour to be, sir,

Your obedient servant,

THOMAS MACFARLANE,

Chief Analyst

**RESULTS OF AN INSPECTION OF A COLLECTION
DISTRICT OF NOVA SCOTIA**

Date of Collection.	Nature of Sample.	No. of Sample.	Name and Address of Vendor.	Quantity.	Cost.	Name and Address of Manufacturer or Furnisher.	From Inspector's Report.
1906.							
Nov. 5	Egg-O-See.	27201	J. Frank Crowe, Halifax, N.S.	1 lb.		10 Egg-O-See Cereal Co., Quincy, Ill., U.S.A.	Labelled 'Egg O See'; made from choice wheat; drawn from 1 lb. package.
5	Breakfast Food	27202	Baile Bros. & Co., Ltd., Halifax, N.S.	1 lb.		13 Forge Food Co., Buffalo, N.Y.	Labelled 'the whole of wheat flour combined with barley malt.'
5	Gusto	27203	John Tobin & Co., Ltd., Halifax, N.S.	1 lb.		10 The Hoco Mills Co., Buffalo, N.Y.	Labelled 'Gusto.'
5	Malt Breakfast Food.	27207	W. C. Anderson, 2nd Avenue, George St., Halifax, N.S.	1 lb.		18 The Malted Cereal Co., Burlington, Vt., U.S.A.	Labelled 'the choicest whole wheat combined with the best barley malt; rich in malt-gluten and phosphate.'
7	Forge Breakfast Food	27214	S. L. Cross, Kentville, N.S.	1 lb.		15 Forge Food Co., Buffalo, N.Y.	Labelled 'the natural food for creating power, &c.'
8	Cream of Wheat	27215	Wentworth Stores, 2nd Avenue, Windsor, N.S.	1 lb.		20 Cream of Wheat Co., Minneapolis, Minn.	Sold as 'cream of wheat.'

DISTRICT OF PRINCE EDWARD ISLAND

Nov. 5	Malta-Vita	28326	Brace & McKay, Summerside.	3 pkgs.		15 Malta Vita Pure Food Co.	Labelled 'concentrated malted food; ready to eat. Pure predigested, thoroughly cooked, prepared from selected wheat, barley malt and other ingredients.'
6	Grape-Nuts	28329	Geo. Rackham, Charlottetown	1 lb.		15 Postum Cereal Co., Battle Creek, Mich.	Labelled 'a food for brain and nerve centres; fully cooked; predigested; dextrose and grape sugar; made by special treatment from wheat and barley.'

OF SAMPLES OF BREAKFAST FOODS.

R. J. WAUGH, INSPECTOR.

RESULTS OF ANALYSIS.

Additional Observations and Quotations from Label.	Total Proteids. N x 6.25	Results of Analysis.							Remarks by Analyst. (Microscopical Examination).
		Moisture.	Petrolic Ether Extract (Fat).	Alcohol Extract. (Sugars, &c.)	Water Extract. (Dextrines).	Crude Fibre.	Total Ash.	Starch approximately by difference.	
		p.e.	p.e.	p.e.	p.e.	p.e.	p.e.	p.e.	No. of Sample.
In flakes; not sweet.	10.93	8.40	0.44	0.84	14.20	2.70	1.92	60.57	27201 Apparently wheat; granules much broken.
" "	10.50	7.84	0.52	2.28	9.88	2.55	1.66	64.77	27202 "
" "	10.56	8.08	1.84	2.84	9.40	2.20	2.10	62.98	27203 Starch granules all broken.
Granular; not sweet.	11.87	6.60	1.20	10.08	7.32	1.30	1.16	60.47	27207 Wheat or barley starch; probably a mixture.
Flaked; not sweet.	10.12	8.52	0.76	2.64	8.88	2.85	2.28	63.95	27214 Starch granules much broken; apparently wheat.
Finely granular.	11.87	9.60	0.48	1.92	2.08	0.60	0.80	72.65	27215 Wheat starch.
T. MOORE, INSPECTOR.									
Flaked; not sweet.	11.36	9.08	0.68	4.16	11.08	2.60	2.28	58.76	28326 Starch granules much broken; wheat or barley.
Coarsely granular; sweetish tasting; brown coloured.	13.12	7.00	0.76	12.20	30.20	1.80	1.60	33.32	28329 Wheat or barley; probably a mixture of both.

RESULTS OF AN INSPECTION OF A COLLECTION
DISTRICT OF PRINCE EDWARD ISLAND—

Date of Collection	Nature of Sample.	Name and Address of Vendor.	COST.		From Inspector's Report.
			No. of Sample	Quantity. Cents.	
1906.					
Nov. 6	Blanco-Cero.	28331 Sanderson & Co., 3 Charlottetown.	45	C. F. Blanke & Co., St. Louis, Mo.	Blanco Cero, cooked and ready to serve; scientifically prepared from whole grain.

DISTRICT OF NEW BRUNSWICK—

Nov. 15	Gusto	24290 Hall & Fairweather, 3 pkgs 719 Ward St., St. John, N.B.	25	The Hugo Mills, Buf- falo, N.Y.	Labelled 'Gusto'; ready for the table. Crisp, delicious wheat food.'
" 16	Malta Vita	24291 The Two Barker's, 3 Ltd., 500 Princess St., St. John, N.B.	30	Malta Vita Pure Food Co., Battle Creek, Mich.	Labelled 'the perfect food; guaranteed ab- solutely pure concentrated malted food.'
" 17	Shredded Wheat	24292 Charles A. Clark, 493 Charlotte St., St. John, N.B.	45	Canadian Shredded Wheat Co., Ltd., Ni- agara Falls, Ont.	Labelled shred- ded wheat. Patented May 27, 1896.
" 19	The King's Food.	24293 W. F. Hatheway Co., 3 Ltd., 17-18 South Wharf, St. John, N.B.	75	The Robert Greig Co., Ltd., Toronto, Ont.	Labelled 'The King's Food. Made in Can- ada. Ideal wheat food, &c
" 20	Orange Meat	24294 McPherson Bros., 181 3 Union St., St. John, N.B.	45	The Frontenac Cereal Co., Ltd., Kingston, Ont.	Labelled 'Orange Meat; made in Canada; re- quires no cook- ing; ready to serve.'
" 20	Gritz	24295 W. F. Hatheway Co., 3 Ltd., 17-18 South Wharf, St. John, N.B.	35	Vendors.	Trade mark 'Gritz.' This article of food is ahead of oat- meal.

DISTRICT OF QUEBEC—

Nov. 12	Breakfast Food	26043 Francois Bourrett, 2 lbs. 143 St. Paul, Que.	15	N. Rionx et Cie.	
" 12	"	26046 Ozias Lacroix, 19 St. Joseph, Que.	15	Thomas Davidson, Que.	
" 13	"	26054 L. N. Bergeron, 20 1 Couronne St., Que.	30	Not known	

OF SAMPLES OF BREAKFAST FOODS—Continued.

T. MOORE, INSPECTOR—Continued.

Additional Observations and Quotations from Label.	RESULTS OF ANALYSIS.										Remarks by Analyst (Microscopical Examination).
	Total Proteins N X 6.25	Moisture	Petroleum Ether Extract (Fat)	Alcohol Extract (Sugars, &c.)	Water Extract (Detoxines)	Crude Fibre	Total Ash	Starch approxi- mately by ference	No. of Sample.		
	p. c.	p. o.	p. c.	p. c.	p. c.	p. c.	p. c.	p. c.			
Contents of 1 package weigh 1 lb.	15.75	8.44	1.80	2.68	10.48	3.30	2.84	55.71	28331	Wheat starch.	

J. C. FERGUSON, INSPECTOR.

Contents of package weigh 19 ounces.	12.93	6.80	1.36	3.36	8.40	3.50	1.60	61.85	24290	Wheat starch.
Contents of package weigh 12½ oz.	12.25	5.75	1.20	4.20	11.68	2.60	2.28	60.04	24291	Starch granules much broken; wheat or barley.
Food in 1 package weighs 13½ oz.	12.68	8.00	1.20	0.00	7.08	2.76	1.89	66.54	24292	Wheat starch.
Rolled; made from selected Canadian wheat. 1 package contains 3 lbs. 6 oz.	13.12	8.00	1.06	3.32	5.44	1.80	1.98	65.34	24293	"
One package contains 19 oz.	11.87	9.76	0.56	2.08	9.92	2.90	1.36	61.55	24294	Apparently wheat starch granules; much broken.
	14.68	9.84	1.96	3.36	3.76	1.25	1.52	63.63	24295	Wheat starch; possibly barley.

E. BELAND, INSPECTOR.

Fine grained but not so fine as flour; some grains yellowish coloured.	13.81	9.68	0.72	1.60	4.72	1.50	1.30	66.67	26043	Wheat starch; possibly barley.
In flakes	12.94	9.32	0.84	2.24	4.36	1.85	1.44	67.04	26046	" "
Rolled	12.85	9.40	0.76	1.44	3.96	2.20	1.60	67.79	26054	" "

RESULTS OF AN INSPECTION OF A COLLECTION
DISTRICT OF QUEBEC—

Date of Collection.	Nature of Sample.	No. of Sample.	Name and Address of Vendor.	Quantity.	Cost.	Name and Address of Manufacturer or Furnisher.	From Inspector's Report.
				Cents.			
1906.							
Nov. 14	Force,	26065	George Laroche, 64 du Pont St., Que.	2 lbs.	15	Turette et frere, Que.	
"	14 Gusto	26056	" " "	2	15	" " "	
"	14 Orange Meat	26057	" " "	2	15	" " "	
"	14 Malta Vita	26058	" " "	2	15	" " "	
"	14 Quaker Oats	26059	" " "	2	10	" " "	
"	14 Saxon Oats	26060	" " "	2	15	" " "	
"	14 Gusto	26061	H. St. Cyr, 95 du Pont St., Que.	2 lbs.	15	Whitehead & Turner, Que.	
"	14 Quaker Oats	26062	" " "	2	10	" " "	
"	14 Pulson's Oats	26063	" " "	2	25	" " "	

DISTRICT OF ST. HYACINTHE—

Nov. 7	Orange Meat	575	Godeau & Stevens, 1 St. Jean, Que.	1 lb.	15	Frontenac Cereal Co., Kingston, Ont.	Marked as "Scientifically prepared. Every particle is perfectly cooked and easily digested."
"	8 Gusto	576	H. Paré, Granby, Que.	1 lb.	10	The Hoco Mills, Buffalo, N. Y.	Called "Crisp delicious food."
"	8 Vina	577	J. A. Menard, Farmham, Que.	13 ozs.	10	Malta Vita Pure Food Co., Toronto, Ont.	Marked "The good food; whole wheat, cooked and baked; ready to serve with hot or cold milk."
"	9 Cream of Wheat	578	A. H. Moore, Magog, Que.	20	20	Cream of Wheat Co., Minneapolis, Minn.	It is stated that "Cream of Wheat is not only one of the most delicate and delicious breakfast foods but in addition contains a very large percentage of gluten."

OF SAMPLES OF BREAKFAST FOODS—Continued.

E. BELAND, INSPECTOR—Continued.

RESULTS OF ANALYSIS.

Additional Observations and Quotations from Label.	Total Proteids N x 6.25.	Moisture.	Petrolic Ether Extract (Fat).	Alcohol Extract (Sugars, &c.)	Water Extract (Acetinines).	Crude Fibre.	Total Ash.	Starch approximately by difference.	No. of Sample.	Remarks by Analyst. (Microscopical Examination).
In flakes.	p. c.	p. c.	p. c.	p. c.	p. c.	p. c.	p. c.	p. c.		
	13.43	8.40	1.40	2.72	10.24	2.70	1.64	59.47	26055	Apparently wheat starch; granules much broken.
"	12.94	8.16	1.80	3.16	7.36	1.80	1.80	62.98	26056	"
"	12.50	8.12	0.60	3.00	11.88	2.30	1.92	59.68	26057	Starch granules much broken; apparently wheat starch.
"	13.12	7.08	0.88	2.80	11.40	2.45	2.12	60.15	26058	Starch granules much broken; wheat or barley.
Flaked or rolled.	p. c.	p. c.	p. c.	p. c.	p. c.	p. c.	p. c.	p. c.		
	16.18	7.88	4.83	3.48	4.70	1.85	1.68	59.39	26059	Starch, oat.
"	16.18	8.04	4.32	3.20	5.00	2.90	1.82	58.54	26060	Oat starch.
In flakes.	p. c.	p. c.	p. c.	p. c.	p. c.	p. c.	p. c.	p. c.	26061	Starch granules much broken; probably wheat starch.
	12.93	8.56	1.60	0.92	11.36	2.00	1.60	61.03	26062	Oat starch.
Rolled or flaked.	p. c.	p. c.	p. c.	p. c.	p. c.	p. c.	p. c.	p. c.	26063	"
"	16.18	8.04	4.76	3.60	4.80	2.30	1.56	58.76		
"	16.09	7.60	5.72	3.28	4.52	1.85	1.72	59.31		

J. C. ROULEAU, INSPECTOR.

	13.56	8.96	0.32	2.76	11.80	2.80	1.80	58.00	575	Starch; granules much broken; apparently wheat starch
	11.37	8.92	1.44	1.28	10.52	2.40	1.22	62.85	576	Starch granules much broken; probably wheat starch.
In flakes.	11.87	9.04	0.56	3.12	10.56	2.30	1.52	61.03	577	Starch granules much broken; apparently wheat starch.
Finely granular, yellowish coloured.	12.25	9.84	0.00	0.00	6.44	0.40	0.60	70.47	578	Wheat starch.

RESULTS OF AN INSPECTION OF A COLLECTION

DISTRICT OF ST. HYACINTHE

Date of Collection.	Nature of Sample.	No. of Sample.	Name and Address of Vendor.	COST.		From Inspector's Report.
				Quantity.	Cents.	
1906.						
" 9 King's Food.	579 L. H. Olivier, Sherbrooke, Que.	2 1/2 lbs.	25 The Robert Greig Co., Ltd., Toronto.	Labeled as "The ideal wheat food. Choicest product from carefully selected Canadian wheat."		
" 9 Malt Breakfast Food.	580 E. A. Bonque et Cie, Sherbrooke, Que.	2 pkgs.	30 The Malted Cereal Co., Burlington, Vt.	Called "The original and standard malt wheat cereal."		
" 14 Blanco Cero.	571 A. Lamothe, St. Ours, Que.	17 ozs.	10 C. F. Blanke & Co., St. Louis.			
" 15 Petit John's Breakfast Food.	581 O. Lambert, Iberville, Que.	30 "	15 The American Cereal Co., Chicago, Ill.			
" 17 Egg-O-Ser.	582 Thos. Hebert, St. Hyacinthe, Que.	13 "	13 Battle Creek Breakfast Food Co., Quincy, Ill.			
" 17 Malta Vita.	591 E. Benoit, St. Hyacinthe, Que.	14 "	10 Malta Vita Pure Food Co., Battle Creek, Mich.			

DISTRICT OF MONTREAL—

Nov. 7 Vim.	31613	The S. Carsley Co., Ltd., Montreal.	2 pkgs.	20	Malta Vita Pure Food Co.	Each package weighed 14 oz. "Toasted wheat."
" 7 Orange Meat.	31614	"	" 1 "	15	Frontenac Cereal Co., Kingston, Ont.	Package weighed 1 1/4 lbs.
" 7 Canada Flakes	31615	"	" 1 "	15	Peterboro' Cereal Co., Peterboro', Ont.	Package weighed 1 1/4 lbs., made from Manitoba wheat.
" 7 Swiss Food	31616	"	" 1 "	15	P. McIntosh & Son, Toronto.	Package weighed 2 lbs. 10 ozs.
" 7 Gusto.	31617	Howe, McIntyre & Co., Youville Place, Montreal.	"	08	Pawnee Cereal Co., Cedar Rapids, Iowa.	Weight of package 1 lb. A toy for children in each package.
" 7 Malta Vita	31618	"	" 1 "	08	Malta Vita Pure Food Co., Battle Creek, Mich.	Weight of package 1 1/4 ozs. "Combines the well known food values of wheat and the medicinal values of malt."

OF SAMPLES OF BREAKFAST FOODS—*Continued.*J. C. ROULEAU, INSPECTOR—*Continued.*

Additional Observations and Quotations from Label.	RESULTS OF ANALYSIS.									Remarks by Analyst. (Microscopical Examination).
	Total Proteids N × 6.25.	Moisture.	Petrol. Ether Extract (Fat).	Alcohol Extract (Sugars, &c.)	Water Extract (Dextrines).	Crude Fibre.	Total Ash.	Starch approximately by difference.	No. of Sample.	
	p. c.	p. c.	p. c.	p. c.	p. c.	p. c.	p. c.	p. c.	p. c.	
	12.81	8.88	0.96	1.68	5.92	2.00	1.84	65.91	579	Wheat starch.
Said to be wheat combined with Malt-diastase. Recommended to "cook thoroughly." One package contains 13 ozs.	14.43	8.08	1.08	6.56	8.72	1.65	1.24	58.24	580	Wheat or barley starch; probably a mixture of both.
	16.62	8.12	0.88	3.08	11.68	3.20	2.48	53.94	571	Wheat starch.
	12.56	9.76	0.60	0.92	7.32	2.45	1.60	64.79	581	Wheat or barley; probably wheat.
	12.06	8.16	0.20	1.92	11.80	2.50	1.82	61.54	582	Starch granules much broken; apparently wheat starch.
	13.62	7.60	0.40	3.52	11.92	2.35	1.58	59.01	591	Wheat or barley starch; granules much broken.

J. J. COSTIGAN, INSPECTOR.

Flaked; "whole wheat steamed, cooked and baked." "Ready to serve."	13.56	7.60	0.08	3.96	11.92	2.35	2.00	58.53	31613	Starch granules much broken; apparently wheat starch.
Flaked; requires no cooking. "Ready to serve."	13.62	6.92	0.48	4.20	12.84	2.35	2.00	57.59	31614	" "
May be eaten in any condition.	11.87	7.20	0.20	2.88	11.52	2.25	2.56	61.52	31615	" "
Rolled; "Partly cooked" but nevertheless cooking for 10 or 12 minutes recommended.	13.12	9.20	1.04	2.32	10.50	1.80	1.44	60.58	31616	Wheat starch.
Wheat flakes." "Ready to serve."	13.37	8.56	0.40	2.40	11.20	2.00	1.60	60.47	31617	Starch granules much broken; apparently wheat starch.
Flaked; "Concentrated, malted thoroughly, cooked, pre-digested and always ready."	14.00	7.16	0.40	2.64	11.28	2.00	1.60	60.92	31618	Wheat or barley starch

**RESULTS OF AN INSPECTION OF A COLLECTION OF
DISTRICT OF MONTREAL—**

Date of Collection.	Nature of Sample.	Name and Address of Vendor.	No. of Sample.	Cost.		Name and Address of Manufacturer or Furnisher.	From Inspector's Report.
				Quantity.	Cents.		
1906.							
Nov. 7	Creamo Flakes 31619	—	—	1	6	68 Battle Creek Health Food Co.,	Canadian Agency, London, Ont.
	7 Cream of Wheat 31620	—	—	1	6	16 Cream of Wheat Co.	Weight of package 1 lb. "Made from Hard Spring Wheat."
"	7 Malt Breakfast 31621	Brouillet & Guay, Fast Food, 77 University St., Montreal.	—	1	6	20 Malted Cereal Co., Brattleboro, Vt.	Weight of package 2 lbs. "The whole being of the finest gluten wheat of the Northwest."
"	7 Ralston Health 31622	—	—	1	6	20 Ralston Purina Co., St. Louis, Mo.	Weight of package 2 lbs.
"	7 Force 31623	P. Campbell & Co., 42 Victoria St., Montreal.	—	1	6	13 Force Food Co.	Weight 1 lb. A simple preparation of whole wheat and barley malt.
"	7 Egg O'See 31624	—	—	1	6	13 Manufactured at Quincy, Ill.	Weight 1 lb. A simple preparation of whole wheat and barley malt.

DISTRICT OF OTTAWA—

Nov. 14	Quaker Oats 29391	George Thomas, George St., Ottawa	63 3 pkgs., 2 lbs.	30	American Cereal Co., Peterboro, Ont.	Marked —	"Quaker rolled white oats, Quaker brand. Made in Canada."
"	14 Cream of Wheat 29392	—	—	3	60	Cream of Wheat Co., Minneapolis, Minn.	Said to be "made from choice selected hard spring wheat."
"	14 Canada Flakes 29393	—	—	3	60	45 Peterboro' Cereal Co.	Made in Canada from Manitoba wheat.
"	14 Egg O'See 29394	—	—	3	60	45 Quincy, Illinois, U.S.A.	Said to be "made from choicest wheat."

SAMPLES OF BREAKFAST FOODS—*Continued.*J. J. COSIGAT, INSPECTOR. *Continued.*

RESULTS OF ANALYSIS.

Additional Observations and Quotations from Label.	Total Proteins N × 6.25								No. of Sample	Remarks by Analyst. (Microscopical Examination.)
	Moisture.	Petrolic Ether Extract (Fat).	Alcohol Extract. (Sugars, &c.)	Water Extract (Dextrins).	Crude Fibre.	Total Ash.	Starch approximately by difference.			
	p. c.	p. c.	p. c.	p. c.	p. c.	p. c.	p. c.	p. c.		
"Perfectly cooked; ready to eat at once."	11.00	7.20	0.16	4.56	13.92	2.60	2.28	58.28	31619	Starch granules all broken.
Fine grained; cooking recommended.	13.83	9.44	0.32	0.00	7.76	0.50	0.40	67.75	31620	Wheat starch.
"Thoroughly parched and sterilized; then scientifically combined with the natural digestive agent malt diastase."	15.31	6.76	0.60	6.72	10.08	1.10	1.24	58.19	31621	Wheat or barley starch; probably a mixture.
.....	15.87	9.52	1.00	2.80	7.17	1.45	1.36	60.83	31622	Wheat starch.
"The work of digestion already half done."	13.38	8.00	0.84	2.76	11.68	2.50	2.08	58.76	31623	Starch granules all broken.
Flaked; "Thoroughly steam cooked. Ready to use."	13.25	7.48	0.52	0.44	14.84	1.90	1.40	60.17	31624	Starch granules much broken; apparently wheat.

A. E. SANDERSON, INSPECTOR.

Cooking recommended. 1 package contains 2 lbs.	16.87	7.48	6.16	2.16	6.08	1.70	1.74	57.81	29391	Oat starch.
Cooking required; 1 package contains 28 oz.	14.00	9.52	0.76	0.00	7.20	0.45	0.32	67.75	29392	Wheat starch.
"Elle est toujours préparée et toujours délicieuse."	13.12	7.84	0.49	4.36	11.93	2.35	1.80	58.17	29393	Starch granules much broken; apparently wheat.
"Pure healthful syrups are used." 1 package contains 11 ozs.	13.81	6.92	1.44	0.00	12.80	2.15	2.28	60.60	29394	.....

**RESULTS OF AN INSPECTION OF A COLLECTION
DISTRICT OF OTTAWA—**

Date of Collection.	Nature of Sample.	No. of Sample.	Cost.		Name and Address of Manufacturer or Furnisher.	From Inspector's Report.
			Quantity.	Cents.		
1906.						
Nov. 15	Zest	... 2940	J. Currell, 86 Queen St. west, Ottawa.	3 " "	30 Quaker Oats Co., Chicago.	Marked, "Ready to eat," and "made of the finest Pacific Coast white wheat" also "thoroughly cooked."
" 19	Beaver' Oats	32301	F. A. Scott, 292 Wellington St., Ottawa	1 " "	25 P. McIntosh & Son, Beaver rolled oats, Toronto	
" 19	Quaker Puffed Rice	32302	" " "	3 " "	30 American Cereal Co., Quaker puffed rice ; a prepared breakfast food, Chicago.	
" 19	Gusto	32303	" " "	3 " "	45 Pawnee Cereal Co., "Wheat food", Cedar Rapids, Iowa, U.S.A.	

DISTRICT OF KINGSTON—

Nov.	6 Canada Flakes	31015	James McCulla, Mon-treal, St., Kingston	6 lbs...	45 Peterboro' Cereal Co.	Made from Man-toba wheat.
"	6 Egg-O-See	31018	P. A. Haffner, Mon-treal, St., Kingston	6 " "	45 Manufactured at Made from Quincy, Ill., U.S.A. choicest wheat.	
"	6 Quaker Oats	31019	Vincent Oakley, 6 Brock St., Kings-ton.	6 " "	30 American Cereal Co., Rolled white Peterboro' oats.	
"	7 Malt Breakfast Food.	31020	Wallbridge & Clarke, 6 Bridge St., Bell-ville.	6 " "	60 The Malted Cereal Co., All the virtues Burlington, Vermont of malt ; all the strength of wheat.	
"	7 Quaker Corn Meal.	31021	" " "	6 " "	30 Quaker Oats Co., Chi-(Yellow grannulated) It is made only of the crystal part of choice yellow corn.	

OF SAMPLES OF BREAKFAST FOODS—*Continued.*A. E. SANDERSON, INSPECTOR—*Continued.*

Additional Observations and Quotations from Label.	Total Proteids N + 6.2%	RESULTS OF ANALYSIS.								Remarks by Analyst (Microscopical Examination).
		Moisture.		Petrolic Ether Extract (Fat).	Alcohol Extract (Sugar, &c.)	Water Extract (Bitterness)	Crude Fibre.	Total Ash.	Starch approximately by difference.	
		p. c.	p. c.	p. c.	p. c.	p. c.	p. c.	p. c.	p. c.	
1 package contains 7 ozs.	12.75	7.80	0.56	1.40	13.44	3.50	2.10	58.45	29400	Starch granules much broken; apparently wheat or barley.
Cooking recommendation.	16.87	6.52	5.64	1.96	5.85	1.95	1.76	59.42	32301	Oat starch.
"The wonderful invention of puffing rice cooks the starch granules so thoroughly that Quaker puffed rice is very largely a predigested food."	10.94	7.80	0.12	0.00	22.96	0.70	0.64	56.84	32302	Starch granules very much broken.
1 package contains 7 ozs.	13.25	6.56	1.12	3.44	12.00	3.30	2.04	58.29	32303	Starch granules much broken; apparently wheat.
"Wheat flakes ready to serve." 1 package contains 17 ozs.	12.56	7.84	1.00	4.32	13.36	2.40	2.56	55.96	31015	Starch granules much broken.
"Good to eat at any time."	12.25	8.04	0.00	2.20	12.48	1.70	1.88	61.45	31018	Starch granules much broken; apparently wheat starch.
.....	13.12	7.60	5.08	3.44	5.48	2.40	1.80	61.08	31019	Oat starch.
.....	14.00	7.60	0.60	6.96	9.44	1.65	0.82	58.93	31020	Wheat or barley starch; probably a mixture.
1 package contains 2 lbs. 15 ozs.	8.12, 10.01	0.48	1.60	4.88	1.60	0.20	73.08	31.21	Maize starch.	

Analysis.

Proteids (brain, nerve and muscle food)...	11.63
Carbohydrates (heat and flesh producers)...	77.00
Fat.....	1.75
Lignose and cellulose	0.73
Ash (phosphates, lime, &c.).....	1.05
Water.....	7.84

100.00

RESULTS OF AN INSPECTION OF A COLLECTION
DISTRICT OF KINGSTON

Date of Collection	Nature of Sample	No. of Sample	Name and Address of Vendor	Quantity	Cost, cents	From Inspector's Report	
1906.							
Nov. 7	Orange Meat	31022	Wallbridge & Clarke, 4 Bridge St., Belleville	4 lbs	40	45 Frontenac Cereal Co., Kingston	
Nov. 7	Toasted Corn	31023	O. S. Hicks, Front 1½ St., Belleville	Flakes	—	30 W. R. Kellogg, Battle Creek, Mich.	Used and recommended by the Battle Creek Sanitorium.
Nov. 7	Canada Flakes	31024	—	—	4	45 Peterboro' Cereal Co.	Made from Manitoba wheat.

DISTRICT OF TORONTO

Nov. 14	Canada Flakes	30220	Perry Anderson, grocer	3 pkgs cwt.	Guelph	15 Peterboro' Cereal Co.	From golden grain to package form no human hand touches Canada Flakes."
Nov. 16	Cook's Flaked	30229	Michigan & Co., Ltd., 1 King St., Toronto	—	—	20 American Rice Food Co., Matawan, N.J.	Made in Louisiana and Texas rice.
Nov. 16	Quaker Puffed	30230	Rice	—	—	16 American Cereal Co., Chicago, U.S.A.	"Only the very best grade of rice is used.
Nov. 21	Hornby's Oat	30241	meal	—	—	20 Hornby Co., N.Y.	Process: Drying in fire kilns, impurities removed, steam cooking the kernels for several hours, thereby converting the starch into dextrose and drying by superheated air.
Nov. 21	Malted Food	30242	—	1 lb.	—	18 Malted Cereal Co., Burlington, Vt.	
Nov. 22	Apitezor	30244	Midland Bros., 1283 King St., Toronto	1 second tains 18 oz.	—	45 American Cereal Co., Chicago, U.S.	Claimed to be made of "grain combined with vegetable or plant iron."

OF SAMPLES OF BREAKFAST FOODS—*Continued.*J. HOGAN, INSPECTOR.—*Continued.*

RESULTS OF ANALYSIS.

Additional Observations and Quotations from Label.	Total N..... 6.25	Moisture	RESULTS OF ANALYSIS.								Remarks by Analyst (Microscopical Exam- ination).
			Petrolie Ether Extract (Fat)	Alcohol Extract (Sugars, &c.)	Water Extract (Dextrines),	Crude Fibre,	Total Ash,	Starch approxi- mately by dif- ference,	No. of Sample,		
			p. c.	p. c.	p. c.	p. c.	p. c.	p. c.	p. c.	p. c.	
"Requires no cooking; all ready to eat."	10.94	7.52	0.24	5.60	11.28	2.35	2.28	59.79	31022	Starch granules much broken; probably wheat.	
Finely flaked. One package contains 4½ ozs.	7.88	6.08	0.64	5.00	17.48	2.60	1.16	59.16	31023	Starch granules much broken; apparently maize starch.	
"The wheat is thoroughly washed and scientifically prepared by the latest improved machinery."	10.06	7.72	1.00	2.68	12.20	2.25	1.96	62.13	31024	Starch granules very much broken; probably wheat.	
T. KIDDE, ACTING INSPECTOR.											
All of the wheat toasted, ready to eat. 1 package contains 7 ozs.	13.12	8.56	0.32	2.92	11.40	1.60	1.92	60.16	30220	Starch granules very much broken; probably wheat.	
"Don't cook"	11.62	8.84	0.00	0.00	6.24	0.75	0.40	72.15	30229	Starch granules very much broken; probably rice.	
"Thoroughly cooked and sterilized."	12.37	8.80	0.00	0.00	14.80	0.75	0.20	63.08	30230	"	
"Steam cooked," but nevertheless directions given for cooking.	16.62	7.80	6.00	2.20	1.42	2.40	1.40	62.16	30241	Oat starch.	
	12.37	7.28	0.52	7.96	9.80	1.20	1.06	59.81	30242	Wheat or barley; probably a mixture.	
	15.31	7.84	0.00	13.52	13.44	1.50	2.02	46.37	30244	Starch granules very much broken. The analysis on label cannot be sustained.	
Analysis:											
Fat							0.99				
Protein							19.00				
Dextrinized carbohydrates and cellulose . . .							54.67				
Grape sugar							16.00				
Ash							1.67				
Moisture							7.77				

RESULTS OF AN INSPECTION OF A COLLECTION OF
DISTRICT OF TORONTO—

Date of Collection.	Nature of Sample.	No. of Sample.	Name and Address of Vendor.	COST.		Name and Address of Manufacturer or Furnisher.	From Inspector's Report.
				Quantity.	Cents.		
1906.							
	22 Norka	30245	Simpson & Co., Ltd., 1 pkg., Yonge st., Toronto containing 10 oz			15 Norka Food Co., Battle Creek, U.S.	Labelled as "Cooked and malted oat food." "The Twentieth Century Food"
	22 Buckwheat	30246	" " " " 1 " "			10 F. F. Dalley & Co., Hamilton.	"Selfraising Royal Hygienic flour."
	22 Malt Break	30247	" " " " 1 " "			15 H. P. Eckart, wholesale grocer, Toronto.	"The choicest whole wheat scientifically combined with the best barley malt."
	22 Hecker's Farina	30248	T. Eaton & Co., Yonge st., Toronto.			30 Hecker, Jones & Jewell Milling Co., N.Y.	Labelled as made from the heart of selected wheat.

DISTRICT OF LONDON—

Nov.	2 Toy Guster	30196	Thomas Langlois, 1 grocer, Windsor, Ont.	1 "		10 J. F. Smith, wholesale grocer, London, Ont.	Wheat flakes "For health, strength and good cheer."
	3 Hecker's Home Mazy	30199	Hugh Malcomson, 1 grocer, Chatham, Ont.	1 "		12 Hecker, Jones & Jewell Co., N.Y.	.....
	3 Grape Nuts	30202	Edward O'Flaherty, 3 grocer, Stratford, Ont.	3 "		45 Postum Cereal Co., Battle Creek, Mich.	Said to be made by special treatment of wheat and barley, dextrose and grape sugar.
	3 Cereta Wheat	30203	Walsh Bros., grocer, 3 Food, Stratford, Ont.	1 econ tains 21 ozs.		30 Manufacturers of Quaker Oats.	Labelled as "milled from the very choice part of the wheat."
	5 Quaker Puffed Rice	30204	Williams & Purell, 3 pkgs., Seaforth, Ont.	3 "		45 The American Cereal Co., Chicago.	Patented Aug., 1902; Aug. and Sept., 1904.
	5 Pancake Flour	30205	A. G. Ault, Seaforth, Ont.	3 "		45 Davis Milling Co., St. Joseph, U.S.	Labelled "Aunt Jemimas Pancake flour for griddle cakes, muffins and gems. Made of wheat, corn and rice."
	5 Malta Vita	30206	Henry Levins, Seaforth, Ont.	3 "		30 Pure Food Co., Toronto.	Labelled "Concentrated malted food."

SAMPLES OF BREAKFAST FOODS—*Continued.*T. KIDD, ACTING INSPECTOR—*Continued.*

RESULTS OF ANALYSIS.

Additional Observations and Quotations from Label.	Total Proteids. N x 6.25.								Remarks by Analyst. (Microscopical Examination).
		Moisture.	Petrol. Ether Extract (Fat).	Alcohol Extract. (Sugars, &c.)	Water Extract. (Dextroses).	Crude Fibre.	Total Ash.	Starch approximately by difference.	
	p. c.	p. c.	p. c.	p. c.	p. c.	p. c.	p. c.	p. c.	
Ready to eat; heat before serving."	14.00	6.24	2.16	6.16	13.68	1.00	2.26	54.50	30245 "
"Always ready for immediate use."	7.31	9.60	0.40	2.56	6.88	1.00	4.28 2.46	67.97	30246 Buckwheat starch.
.....	11.37	7.68	0.08	6.96	9.24	1.50	1.48	61.6	30247 Wheat or barley starch; probably a mixture
.....	11.37	9.60	0.00	0.00	4.56	0.50	0.70	73.27	30248 Wheat starch.

T. KIDD, INSPECTOR.

Ready to serve.....	10.50	7.96	0.84	2.00	10.72	1.65	1.42	64.91	30196 Starch granules much broken; probably wheat starch.
Directions given for cooking.	8.75	10.00	0.84	0.80	5.00	1.00	0.20	73.41	30199 Maize starch.
"Don't try to cook this food. It is perfectly cooked at the factory. Serve dry just as it comes from the package."	10.94	4.72	0.40	14.96	31.84	1.70	1.06	34.38	30202 Starch granules very much broken.
Directions given for cooking.	10.50	9.44	0.36	0.00	5.48	1.05	0.46	72.71	30203 Wheat starch
.....	11.35	9.20	0.00	0.00	17.12	0.60	0.40	61.33	30204 Starch granules much broken; probably rice.
"Always ready for the table, no yeast, no salt."	10.50	8.56	0.16	4.00	7.28	2.40	3.20	63.90	30205 Starch granules; apparently wheat, maize and rice.
"Ready to eat; thoroughly cooked, pre-digested."	11.81	8.52	0.88	3.08	12.84	2.00	1.76	59.11	30206 Starch granules much broken; apparently wheat or barley.

RESULTS OF AN INSPECTION OF A COLLECTION OF

DISTRICT OF LONDON—

Date of Collection.	Nature of Sample.	No. or Sample.	Name and Address of Vendor.	Cost.		Name and Address of Manufacturer or Furnisher.	From Inspector's Report.
				Quantity.	Cents		
1906.							
Nov. 6 Force		30207	Charles Andrew, Seas End, plgs., forth, Ont.	15	Force Food Co., Buffalo, N.Y.	Labelled "The natural food for creating power, repairing waste, maintaining energy."	

DISTRICT OF MANITOBA

Nov. 8	Malta Vita	25911	Coates & Co., Bran, 1 lb., London, Man.	15	Malta Vita Pure Food In Bulk Co., Battle Creek, Mich.	
	12 Quaker Oats	25915	A. Hendry, Winnipeg, Man.	15	The American Cereal Co., Peterboro', Ont.	
	12 Puffed Rice	25916	Sutherland Bros., 1 lb.,	15	The American Cereal Co., Chicago.	
	12 Canada Flakes	25917	Gillies & Frances, 1 lb.,	10	Peterboro' Cereal Co., Peterboro', Ont.	
	16 Petit John's	25918	Kennedy & Seiney, 1 lb., Breakfast Food, Winnipeg, Man.	20	The American Cereal Co., Chicago.	
	16 Grape Nut	25919	D. A. Ritchie, 1 lb.,	15	Postum Cereal Co., Battle Creek, Mich.	
	16 Malt Food	25920	J. A. McKeonhar, 1 lb.,	15	Malted Cereal Co., Montreal.	
	9 Puffed Rice	25914	C. S. B. Burley, Portage la Prairie.	15	The American Cereal Co., Chicago.	

DISTRICT OF BRITISH COLUMBIA

Nov. 14	Force	32009	E. H. McMillan, 3 pkgs., Granville St., Vancouver, B.C.	45	The Force Food Co., Buffalo, N.Y., U.S.A.	It is stated that whole of the wheat is scientifically combined with barley malt.
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SAMPLES OF BREAKFAST FOODS -*Concluded*

T. KIDD, INSPECTOR *Continued.*

W. M. CONKLIN, INSPECTOR.

	10.50	7.44	0.00	1.80	14.40	1.65	1.62	62.59	25911	Starch granules very much broken.
	14.00	7.65	5.26	1.80	5.16	1.95	1.28	62.96	25915	Oat starch.
	8.31	8.24	0.00	0.00	20.80	0.75	1.00	60.90	25916	Starch granules all broken.
	11.37	7.04	0.32	1.92	13.41	1.50	2.00	62.41	25917	Starch granules very much broken.
	9.62	7.68	0.48	2.40	7.72	1.25	1.42	59.43	25918	Wheat or barley starch; probably wheat.
	11.73	5.76	0.40	16.48	27.76	0.85	1.26	35.76	25919	Starch granules much broken.
	11.73	7.24	0.00	8.08	8.72	0.50	1.64	62.09	25920	Wheat or barley; probably a mixture of both.
	8.75	8.02	0.12	0.00	16.04	1.45	0.84	64.78	25914	Starch granules much broken; a few granules characteristic of rice.

=E. B. PARKINSON, INSPECTOR,

* Force is food with the less digestible parts left out." "To nutritive values, it is Force 15 to 30 mins., oats, rolled 30 to 60 mins., wheat, roll- ed 1 to 3 hrs., hom- iny (gram.) 1 to 3 hrs."	11.37	8.48	0.48	3.72	11.28	1.60	2.08	60.99	32009	Starch granules much broken.
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RESULTS OF AN INSPECTION OF A COLLECTION
DISTRICT OF BRITISH COLUMBIA

Date of Collection.	Nature of Sample.	No. of Sample.	Name and Address of Vendor.	Cost.		From Inspector's Report.
				Quantity.	Cents.	
1906.						
"	9 Malta Ceres . . .	28188	W. H. Walsh, Seymour St., Vancouver, B.C.	3	15	The Twin City Nut Food Co., Minneapolis, St. Paul, Minnesota, U.S.A.
"	9 Orange Meat . . .	28189	Webster Bros., Granville St., Vancouver, B.C.	3	40	The Frontenac Cereal Co., Ltd., Kingston, Ont.
"	10 Grape Nuts . . .	28190	S. F. McCready, 3 Granville St., Vancouver, B.C.	3	45	The Postum Cereal Co., Ltd., Battle Creek, Mich., U.S.
"	10 Breakfast Food . . .	28191	John G. Kirkwood, 3 Granville St., Vancouver, B.C.	3	15	The Lake of the Woods Milling Co., Kewatin
"	10 Farina . . .	28193	Hudson's Bay Co., retail, Granville St., Vancouver, B.C.	3	40	Sperry Flour Co., 114, 116 Sacramento St., San Francisco.
"	12 Malted Cereal . . .	28195	Kelly, Douglas Co., Ltd., Water St., Vancouver, B.C.	3	45	Portland Sanitarium Food Co., Portland, Oregon.
"	12 Breakfast Food . . .	28196	The W. H. Malkin Co., Ltd., Water St., Vancouver, B.C.	3	55	Acme Mills Co., Portland, Oregon, for Purina Mills, St. Louis, Mo.

OF SAMPLES OF BREAKFAST FOODS—*Continued.*—E. B. PARKINSON, INSPECTOR—*Continued.*

RESULTS OF ANALYSIS.

Additional Observations and Quotations from Label.	Total Proteids N × 6.25.	Moisture.	Petrolic Ether Extract (Fat).	Alcohol Extract. (Sugars, &c.)	Water Extract (Dextrose).	Crude Fibre.	Total Ash.	Starch approximately difference.	No. of Sample.	Remarks by Analyst. (Microscopical Examinations.)
	p. c.	p. c.	p. c.	p. c.	p. c.	p. c.	p. c.	p. c.		
Labelled "Do not cook."	14.00	7.44	0.21	6.48	18.72	0.80	1.30	51.02	28188	Starch granules much broken.
"Requires no cooking all ready to eat."	11.37	8.00	0.28	7.04	12.16	1.50	1.80	57.85	28189	Starch granules much broken; apparently wheat starch.
"The system will absorb a greater amount of nourishment from 1 lb. grape nuts than from 10 lbs meat, wheat, oats or bread."	11.67	5.00	0.00	15.68	27.84	1.00	1.42	37.39	28190	Starch granules much broken.
.....	11.06	9.84	0.00	0.16	5.56	0.60	1.08	71.70	28191	Wheat starch.
Directions given for cooking.	8.31	9.00	0.00	0.00	6.40	1.15	0.68	74.46	28193	Wheat starch.
It is so perfectly prepared that it needs no further cooking and can be eaten dry.	9.17	6.72	0.64	10.40	20.00	0.35	1.00	51.72	28195	Wheat or barley.
Directions given for cooking.	13.25	9.44	0.00	2.40	6.00	1.25	1.28	66.38	28196	Wheat starch.

