



O. H. M. S.

W. J. Gerald
Deputy Minister.

LABORATORY
OF THE
INLAND REVENUE DEPARTMENT
OTTAWA, CANADA.

—
BULLETIN No. 185
—

INFANT'S AND INVALID'S FOODS.

LABORATORY
OF THE
INLAND REVENUE DEPARTMENT
OTTAWA, CANADA.

BULLETIN No. 185.

INFANT'S AND INVALID'S FOODS.

OTTAWA, July 24, 1909.

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

SIR:—I have the honour to transmit you herewith a report upon 77 samples of so-called Infant's and Invalid's Foods. The present inspection has regard to a collection ordered in April last, and represents twenty-three (23) different brands. It does not claim to cover all the kinds of Infant's and Invalid's Foods which are found upon the Canadian Market; but it probably indicates pretty fairly their general character.

The only previous collection of this kind was made in April, 1898. (See Bull. 59). At that time, one hundred and three samples (103) representing twenty-two (22) brands, were reported. Ten of these brands are represented in the present collection; and analysis shows most of these foods to be essentially of the same character as they were found eleven years ago. This is shown in the following table:—

TABLE I.—COMPARISON OF MEAN RESULTS FOR 1898 AND 1909.

Name of Brand.	Moisture.	Fat.	Loss to Alcohol.	Loss to Water.	Sum of Losses.	Proteids.	Ash.	Starch, &c., Difference.	No. of Samples Examined.
Cardinal Food, 1898.....	9.61	0.64	4.91	2.91	7.82	10.38	1.48	67.35	5
" " 1909.....	7.26	0.42	5.64	3.33	8.94	10.44	0.98	71.91	3
Christies Food, 1898.....	4.22	3.49	27.89	6.00	33.89	7.19	1.05	49.31	5
" " 1909.....	3.79	3.05	28.40	7.25	35.65	6.50	1.00	59.10	1
English Milk Food, 1898.....	5.38	0.57	.....	.....	29.59	10.43	1.06	53.62	2
" " 1909.....	5.69	0.83	19.90	9.85	26.78	8.44	0.77	54.08	2
Wemalta, 1898.....	8.65	0.85	5.90	3.77	9.67	12.18	0.88	64.62	2
" " 1909.....	9.00	1.27	8.55	20.58	29.13	11.75	0.84	48.01	3
Horlick's Malted Milk, 1898.....	2.55	1.41	.....	.....	63.87	14.00	3.57	15.68	9
" " 1909.....	3.13	7.92	50.59	18.28	68.87	14.90	3.55	1.63	8
Lactated Food, 1898.....	5.77	0.48	28.24	4.27	32.90	10.01	2.57	47.72	12
" " 1909.....	6.87	0.38	24.18	6.26	30.44	9.54	1.14	51.75	8
Mellins' Food, 1898.....	4.72	0.30	.....	.....	82.06	10.10	3.50	.....	3
" " 1909.....	4.06	0.74	69.41	10.48	79.92	10.07	3.28	1.03	4
Ridges' Food, 1898.....	8.12	0.48	0.34	4.67	5.02	13.83	0.53	72.01	9
" " 1909.....	6.11	1.91	Trace...	4.36	4.36	11.77	0.51	73.34	4
Nestle's Food, 1898.....	2.18	4.45	39.54	4.30	43.84	10.72	1.60	35.34	9
" " 1909.....	1.67	4.69	49.83	13.03	62.85	12.09	1.51	17.19	8
Robinson's Barley, 1898.....	9.41	0.41	0.65	2.26	2.91	7.46	0.94	78.66	7
" " 1909.....	8.46	1.26	2.69	4.09	6.78	7.25	0.61	75.64	6

Exceptions occur in the cases of Wemalta, Horlick's Malted Milk and Nestle's Infant's Foods.

Wemalta. The present inspection shows a greatly increased percentage of matters soluble in alcohol and in water; in other words, in sugars and soluble starch. This is a feature which, for invalid's use, gives the food an increased value.

Horlick's Malted Milk. The much higher value shown for fat in this report, is doubtless due to improved methods of analysis, rather than to any change in the character of the food. The influence of malt sugar in hindering the extraction of milk fat, was unknown to me at the time of performing the work recorded in Bulletin 59. Dr. R. A. Chittenden, professor of Physiological Chemistry in Yale College, and many other chemists, have underestimated the fat in this class of foods, for the same reason. Direct extraction with dry ether for eight hours, yields less than 2 per cent of fat; while previous dilution to the consistency of milk, permits of the separation of nearly 8 per cent fat.

Nestle's Milk Food shows a much higher percentage of matters soluble in alcohol and water than in 1898. This is an improvement probably due to some changes in process of manufacture.

As pointed out in Bulletin 59, the foods now reported fall naturally into two classes, distinguished by the amount of unchanged starch present.

If an arbitrary line between these groups be drawn at about 75 per cent of unchanged starch, the following may be described as Farinaceous Foods:

Concentrated Cardinal Food,	Triangle Food,
Ridges' Food,	Triticumina.
Robinson's Patent Barley,	

On the other hand, the following foods contain little or no unchanged starch:—

Allenburys' Milk Food No. 1,	Lacto-Globulin,
" " " 2,	Mellins' Food,
Horlick's Malted Milk,	Wampole's Milk Food.

The remaining foods contain varying amounts of starch from about 7 per cent (Wyeth's Prepared Food) to 50 or 60 per cent.

Most of those foods which are poor in fat are directed to be prepared for use by addition of milk.

It must be said that some of those directed to be prepared with water only, would seem to provide a starvation diet for infants, so far as the fat is concerned; but questions of this kind must be left to be decided by physicians.

I beg to recommend the publication of this report as Bulletin No. 185.

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

A. MCGILL,
Chief Analyst.

TABLE II.—INFANTS AND

Date of Collection.	Nature of Sample.	Number of Sample.	Name and Address of Vendor.	Cost.		Name and Address of Manufacturer or Furnisher as given by the Vendor.
				Quantity.	Value.	
DISTRICT OF NOVA SCOTIA—						
1909.						\$ c.
April 15	Infants and Invalids Foods	33937	Jas. D. Walsh, Halifax, N.S.	3 pks.	45	Mathew Robinson, London, Eng.
" 16	" " "	33938	Brown Bros. & Co., Halifax, N.S.	3 " "	75	Wells, Richardson & Co., Burlington, Vt.
" 16	" " "	33939	Irwin & Sons, Halifax, N.S.	3 " "	75	Chas. Martin, Montreal.
" 16	" " "	33940	J. St. Clair, Coombes & Co., Halifax, N.S.	3 " "	1 05	Smith, Klein & French, Philadelphia, U.S.
" 17	" " "	33941	Nat. Drug and Chem. Co., Halifax, N.S.	3 " "	1 50	Horlicks Malted Milk Co., Racine, Wis., U.S.
DISTRICT OF PRINCE EDWARD ISLAND—						
April 6	Infants and Invalids Foods	31483	G. E. Hughes, Charlotte-town.	3 pks.	75	Chas. Martin, Montreal.
" 7	" " "	31484	A. W. P. Gourlie, Summerside.	3 " "	75	Wells, Richardson & Co., Burlington, Vt.
" 7	" " "	31485	Edgar Keir, Kensington	3 " "	1 50	G. Mellin, Boston, Mass.
" 7	" " "	31486	John Knight, Georgetown.	3 " "	1 50	The Lacto-Globulin Co., Ltd., Montreal.
" 7	" " "	31487	Johnson & Johnson, Charlottetown.	3 " "	1 05	Ridges Patent Food Co., Ltd., Palmer, Mass.
DISTRICT OF NEW BRUNSWICK—						
Mar. 23	Infants and Invalids Foods	29917	The Nat. Drug and Chem. Co., Ltd., St. Johns, N.B.	3 pks.	60	Keen Robinson Co., Ltd., London, Eng.
" 26	" " "	29918	The Can. Drug Co., Ltd., St. Johns, N.B.	3 " "	1 50	Allen & Hanbury, Ltd., London, Eng.
April 6	" " "	29919	A. J. Ryan, Fredericton, N.B.	3 " "	1 50	Henry K. Wampole & Co., Perth, Ont.
" 14	" " "	29920	The Acadia Drug Co., Moncton, N.B.	3 " "	1 20	Woodrich & Co., Palmer, Mass.
" 19	" " "	29921	Thomas Wran, Campbellton, N.B.	3 " "	1 00	Wells, Richardson & Co., Montreal.
DISTRICT OF QUEBEC—						
April 19	Infants and Invalids Foods	36893	W. Brunnette & Cie, Quebec.	3 pks.	50	Wells-Richardson, Montreal.
" 19	" " "	36894	L. E. Martel, Quebec.	1½ lb.	1 35	W. Brunnette & Cie, Quebec.
" 19	" " "	36895	D. R. Gagnon, Quebec.	3 boxes	75	Ed. Morin & Cie, Quebec.
" 19	" " "	36896	V. Giroux, Quebec.	3 " "	1 50	Nat. Drug Co., Montreal.
" 20	" " "	36897	Laroche & Co., Quebec.	3 " "	1 05	Lyman Sons, Montreal..

INVALID'S FOOD.

Inspector's Report. (Is not an expression of Opinion).	RESULTS OF ANALYSIS.								Number of Sample.
	Moisture.	Fat, by Pet- rolic Ether.	Loss to Alcohol.	Loss to Water.	Sum of Losses to Alcohol and water.	Proteids, N x 6.25.	Ash.	Starch, &c., by Differ- ences.	

R. J. WAUGH, INSPECTOR.

	p. c.	p. c.	p. c.	p. c.	p. c.	p. c.	p. c.	p. c.	
"Robinson's Barley"....	8.95	1.25	2.90	4.15	7.05	7.69	0.74	.....	33937
"Lactated Food".....	6.95	0.42	24.65	5.10	29.65	9.56	1.04	51.38	33938
"Cardinal Food".....	8.18	0.35	5.50	2.85	8.35	10.50	0.86	71.76	33939
"Eskay's" Albumenized Food.	1.70	4.95	51.30	7.35	58.65	7.25	0.98	26.47	33940
Horlick's Malted Milk...	3.45	8.45	49.00	18.30	67.30	14.88	4.00	1.92	33941

THEO. MOORE, INSPECTOR.

"Cardinal Food".....	7.12	0.57	5.22	3.87	9.63	10.31	0.98	71.91	31483
"Lactated".....	6.45	0.50	23.77	6.40	30.17	8.81	1.10	53.00	31484
"Mellins".....	4.00	0.60	64.75	15.30	80.65	11.56	3.56	0.23	31485
"Lacto-Globulin".....	9.85	6.65	5.30	6.35	11.65	71.44	8.36	.....	31486
"Ridges".....	8.80	2.45	.....	4.55	.....	14.38	0.54	.....	31487

J. C. FERGUSON, INSPECTOR.

Robinson's Patent Barley	8.75	1.25	2.25	4.35	6.60	6.81	0.60	.....	29917
Allenbury's No. 3.....	2.30	17.75	54.60	8.95	63.55	10.00	3.40	.....	29918
Wampole's Milk Food...	3.75	7.40	55.80	17.40	73.20	11.62	2.46	.....	29919
Ridges Patent Food....	7.65	1.40	.....	4.75	.....	11.31	0.56	.....	29920
Lactated Food.....	6.80	0.45	22.37	7.05	29.42	9.13	1.20	53.00	29921

E. BELAND, INSPECTOR.

Lactated.....	6.90	0.30	24.07	7.05	31.12	9.81	1.46	50.41	36893
Allenburys.....	3.30	17.75	54.45	8.60	63.05	10.00	3.56	.....	36894
Robinson's Barley. . .	8.25	1.15	2.65	3.75	6.40	7.44	0.54	.....	36895
Allenburys.....	3.00	16.70	53.95	9.90	63.85	10.00	3.86	.....	36896
Ridges Food.....	8.25	1.45	Trace...	3.65	3.65	10.94	0.40	.....	36897

TABLE II.—INFANTS AND

Date of Collection.	Nature of Sample.	Number of Sample.	Name and Address of Vendor.	COST.		Name and Address of Manufacturer or Furnisher as given by the Vendor.
				Quantity.	Value.	
DISTRICT OF ST. HYACINTHE—						
1909.					\$ c.	
April 19	Infants and Invalids Foods	1028	D. Hebert, Drummondville.	3 tins.	1 50	Unknown.....
" 21	" " "	1029	Dr. Guy, St. Jean	3 "	1 50	Allen & Hanbury, London, Eng.
" 26	" " "	1030	P. H. Hebert, Village St., Hilaire.	2 "	30	Lyman's, Ltd., Montreal
May 6	" " "	1031	F. D. Hewitt, Sherbrooke	3 "	75	Nat. Drug, Montreal....
" 25	" " "	1032	Raymond Frères, St. Hyacinthe.	3 "	75	Christie, Brown & Co., Toronto.
DISTRICT OF MONTREAL—						
Mar. 27	Infants and Invalids Foods	40026	J. M. Aird, Montreal...	3 tins.	75	Vendor.....
" 27	" " "	40027	J. J. Weinfeld, Montreal	3 "	75	Weir Specialty Co., Toronto.
" 27	" " "	40028	" " "	3 "	1 50	Allen & Hanbury, Ltd., London, Eng.
" 27	" " "	40029	Lyman's, Ltd., Montreal	3 "	1 16	Henri Nestle, Verey, Switzerland.
" 27	" " "	40030	" " "	3 "	1 25	Horlick's Malted Milk Co.
DISTRICT OF OTTAWA—						
Mar. 19	Infants and Invalids Foods	22936	Dr. Wallace, Buckingham.	3 pks.	1 50	Lyman Sons & Co., Montreal.
" 24	" " "	22937	Jas. P. Valiquette, Ottawa	3 tins.	1 20	Unknown.....
" 26	" " "	22938	E. D. Story, Ottawa...	3 "	1 50	"
" 26	" " "	22939	E. R. DesRosiers, Ottawa	3 "	1 50	"
" 26	" " "	22940	Estate W. H. Roger, Ottawa.	3 bots	1 50	Wampole's, Perth, Ont..
DISTRICT OF KINGSTON—						
Mar. 18	Infants and Invalids Foods	39466	W. W. Gibson, Kingston	3 tins.	1 35	Nat. Drug Co.
" 23	" " "	39467	F. C. Clark, Belleville..	3 "	1 50	Allen & Hanbury's, London, Eng.
" 23	" " "	39468	R. Templeton, Belleville	3 "	1 50	Horlick's Malted Milk..
" 22	" " "	39469	C. J. Webster, Cobourg.	3 "	1 05	Weir Specialty Co., Toronto.
" 23	" " "	39470	J. D. Tully, Peterboro..	3 "	1 50	Horlick's Malted Milk..

INVALID'S FOOD.

Inspector's Report. (Is not an expression of Opinion).	RESULTS OF ANALYSIS.								Number of Sample.
	Moisture.	Fat, by Pe- troleic Ether.	Loss to Alcohol.	Loss to Water.	Sum of Losses to Alcohol and Water.	Proteids, N x 6.25.	Ash.	Starch, &c., by Differ- ence.	

J. C. ROULEAU, INSPECTOR.

	p. c.	p. c.	p. c.	p. c.	p. c.	p. c.	p. c.	p. c.	
Nestle's	1.60	4.82	50.55	14.30	64.85	12.50	1.40	.....	1028
Allenburys	3.10	17.95	54.65	8.35	63.00	10.12	3.50	.....	1029
Prepared groats	5.50	7.00	3.70	4.70	8.40	13.94	1.06	64.10	1030
Cardinal food.	6.50	0.35	6.20	3.27	9.47	10.50	1.12	72.06	1031
Christies.....	3.70	3.05	28.40	7.25	35.65	6.50	1.00	50.10	1032

J. J. COSTIGAN, INSPECTOR.

"Triticumina".....	5.62	1.58	1.20	5.10	6.30	12.88	0.50	73.12	40026
"Wemalta"	9.30	1.20	9.25	19.55	28.80	10.69	1.06	.....	40027
"Allenbury's No. 1.....	2.70	16.75	55.60	8.65	64.25	10.00	3.60	.....	40028
"Nestle's".....	1.50	4.25	51.23	10.57	61.80	12.00	1.42	.....	40029
"Horlick's Malted Milk"	3.20	8.35	50.75	17.30	68.05	15.31	3.90	1.19	40030

J. A. RICKEY, INSPECTOR.

"Wyeth's prepared food"	3.00	1.30	46.00	22.30	68.30	14.69	3.50	7.21	22936
"Nestle's" Food.....	1.68	4.47	51.33	11.78	63.10	11.19	1.40	.....	22937
"Horlick's Malted Milk"	3.45	7.32	50.90	17.65	68.55	14.94	3.70	.....	22938
Lacto-Globulin; a pure albumen.	9.05	0.85	7.97	4.92	12.89	72.62	8.20	.....	22939
Wampole's Milk Food...	3.35	7.10	55.60	15.70	71.30	14.18	2.64	.....	22940

JAS. HOGAN, INSPECTOR.

Nestle's.....	0.76	4.34	51.02	12.88	63.90	12.06	.....	.....	39466
Allenburys	3.15	15.55	53.40	11.65	65.05	8.94	3.54	.....	39467
Horlicks	3.35	7.60	52.05	18.25	70.30	14.96	3.40	.....	39468
Wemalta	8.85	1.25	7.30	21.60	28.90	12.25	0.68	.....	39469
Horlicks	2.90	8.15	49.90	20.10	70.00	14.69	3.80	.....	39470

TABLE II—INFANTS AND

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.	Value.	
DISTRICT OF TORONTO—						
1909.					\$ c.	
April 7	Infants and Invalids Foods	36196	B. Griffin, Hamilton....	3 pks	75	Triangle Food Co., Hamilton.
" 10	" " "	36197	Blaicher & Roche, Hamilton.	" "	75	The Ontario Chemists Mfg. Co., Hamilton..
" 13	" " "	36198	Geo. Monkman, Barrie..	" "	120	Lyman Bros. Co., Ltd., Toronto.
" 14	" " "	36199	E. B. Schell, Alliston...	" "	100	Allen & Hanbury Ltd., London, Eng.
" 20	" " "	36260	Weir Specialty Co., Ltd., Toronto.	" "	84	Vendors.....
DISTRICT OF LONDON—						
Mar. 25	Infants and Invalids Foods	30591	Alex. Stewart, Guelph..	3 pks.	90	Lyman Bros., Toronto..
" 25	" " "	30593	Walter Beattie, Guelph	" "	75	Winer & Co., Hamilton.
" 26	" " "	30595	O. H. Meyers, Stratford.	" "	75	C. S. Nasmyth, Stratford.
" 29	" " "	30694	Jno. A. Roberts, Seaforth	" "	100	Unknown.....
" 29	" " "	30697	W. S. R. Holmes, Clinton.	" "	100	Drug Trading Co., Toronto.
" 31	" " "	30698	S. E. Hick, Goderich....	3 cans	75	Unknown.....
" 31	" " "	30699	Jas. Wilson, Goderich..	2 "	100	J. Winer & Co., Hamilton.
DISTRICT OF WINDSOR—						
April 8	Infants and Invalids Foods	34784	W. T. Strong, London, Ont.	3 tins.	1 50	Neaves Food Co., England.
" 8	" " "	34785	Anderson & Nelles, London, Ont.	" "	1 50	Lacto Globulin, Montreal
" 14	" " "	34799	E. C. Harvey, St. Thomas.	3 pks.	1 50	Horlicks Malted Milk Co. Racine, Wis.
" 14	" " "	35901	T. H. Duncombe, St. Thomas.	" "	1 50	Allenbury Milk Food Co.
" 15	" " "	35911	W. T. Rapley & Co., Strathroy.	" "	75	Wells Richardson Co., Montreal.
DISTRICT OF MANITOBA—						
April 14	Infants and Invalids Foods	35866	The Lincoln Park Drug Hall, Winnipeg.	3 pks.	1 35	Allen & Hanbury, Ltd., London.
" 14	" " "	35867	Gillespie & Campbell, Winnipeg.	" "	90	Allen & Hanbury, Ltd., London.
" 14	" " "	35868	Thornton Andrews, Winnipeg.	" "	1 50	The Dom. Drug Co., Hamilton.
" 14	" " "	35869	Harrison's Drug Store, Winnipeg.	" "	1 15	Henri Nestle, Vevey, Switzerland.
" 14	" " "	35870	E. A. Mitchell & Co., Winnipeg.	" "	1 50	Wampole & Co., Perth..

INVALID'S FOOD.

Inspector's Report. (Is not an expression of Opinion.)	RESULTS OF ANALYSIS.								Number of Sample.
	Moisture.	Fat. by Pet- rodic Ether.	Loss to Alcohol.	Loss to Water.	Sum of Losses to Alcohol and Water.	Proteids, N x 6.25.	Ash.	Starch, &c., by Differ- ence.	

H. J. DAGER, INSPECTOR.

	p. c.	p. c.	p. c.	p. c.	p. c.	p. c.	p. c.	p. c.	p. c.
Triangle Food.....	7.35	1.70	1.20	2.55	3.75	12.35	0.70	74.25	36196
English Milk Food, Malted	5.75	0.70	20.40	9.90	30.30	8.38	0.92	53.95	36197
Ridges Food.....	7.75	2.35	Trace	4.50	4.50	10.44	0.54	.....	36198
Allenbury's No. 3. . .	4.00	1.25	8.85	15.10	23.95	10.94	0.60	.....	36199
Wemalta.....	8.85	1.35	9.10	20.60	29.70	12.31	0.78	.....	36260

T. KIDD, INSPECTOR.

Allenburys.	4.66	1.26	9.64	10.20	19.84	10.50	.....	.....	30591
Lactated.....	6.70	0.40	27.97	4.20	32.17	11.06	1.40	49.39	30593
Mellins.....	4.70	0.85	73.75	5.00	78.75	10.44	2.74	2.52	30595
Nestle's.....	2.90	5.35	45.45	13.60	50.06	12.50	1.74	.....	30604
Robinsons Barley.....	8.05	1.40	2.55	4.20	6.75	7.63	0.62	.....	30607
English Milk Food.....	5.46	0.95	19.45	9.80	29.25	8.50	0.62	55.22	30608
Horlicks.....	3.55	7.70	47.80	19.55	67.35	14.88	4.00	.....	30609

JNO. TALBOT, INSPECTOR.

Neaves Food.....	4.00	0.75	16.75	8.40	25.15	12.06	0.46	57.58	34784
Lacto-Globulin.....	9.45	0.97	8.25	5.65	13.80	71.06	8.00	.....	34785
Horlicks.....	3.35	7.00	53.55	15.85	69.40	14.19	2.70	.....	34799
Allenburys.	3.25	17.35	55.65	8.00	63.65	10.00	3.94	.....	35901
Lactated.....	6.95	0.45	22.15	6.57	28.72	9.50	1.04	53.34	35911

A. C. LARIVIÈRE, INSPECTOR.

Allenbury's No. 2.....	3.40	15.80	53.80	12.65	66.45	9.44	3.80	.....	35866
Allenbury's No. 3.....	3.90	1.74	9.40	13.02	22.42	10.88	.....	.....	35867
Babys Own.....	6.55	1.05	7.65	15.15	22.80	9.63	0.58	59.39	35868
Nestle's.....	1.12	4.40	50.88	12.30	63.18	13.13	1.56	.....	35869
Wampoles.....	2.53	7.20	57.15	16.75	73.90	12.43	2.44	.....	35870

TABLE II.—INFANT'S AND

Date of Collection.	Nature of Sample.	Number of Sample.	Name and Address of Vendor.	COST.		Name and Address of Manufacturer or Furnisher as given by the Vendor.
				Quantity.	Value.	
DISTRICT OF CALGARY—						
1909.					\$ c.	
April 16	Infants and Invalids Foods	28884	McCutcheon & McGill, Calgary.	3 tins.	1 50	Allan & Hanbury, Ltd., London, Eng.
" 16	" " "	28985	C. A. Wallace, Calgary.	3 "	1 50	Lacto-Globulin Co., Ltd., Montreal.
" 16	" " "	28986	W. MacLean " "	3 "	1 05	Ken. Robinson & Co., Ltd., London, Eng.
" 16	" " "	28987	Curry & Cope " "	3 "	1 50	Bengers Food Ltd., Man- chester, Eng.
" 16	" " "	28988	Oliver Bros. " "	3 "	1 05	Smith, Kline & French Co., Philadelphia, U.S.
DISTRICT OF VANCOUVER—						
Mar. 23	Infants and Invalids Foods	37576	J. W. Morrow, Van- couver.	3 tins.	1 50	Henderson Bros., Van- couver
" 23	" " "	37577	Woods Pharmacy, Van- couver.	3 "	1 50	Horlick Malted Milk Co., Racine, U.S.
" 23	" " "	37578	McDowell & Burns, Van- couver.	3 bots.	3 00	W. K. Wampole, Phila- delphia, U.S.
" 23	" " "	37579	Wm. Harrison Drug Co., Vancouver.	3 "	1 50	Mellins Food Co., Ltd., London, Eng.
" 23	" " "	37580	Red River Drug Store, Vancouver.	3 pkgs	1 50	Wells, Richardson & Co., Burlington, Vt.
DISTRICT OF VICTORIA—						
May 11	Infants and Invalids Foods	39326	F. J. Williams, Victoria, B. C.	2 pkgs	1 50	Leeming, Miles & Co., Montreal.
" 11	" " "	39327	Dean & Hiscocks, Vic- toria, B. C.	3 "	75	Henderson Bros., Vic- toria, B. C.
" 11	" " "	39328	Wm. Jackson & Co., Victoria, B. C.	3 "	1 50	" " "
" 12	" " "	39329	D. E. Campbell, Vic- toria, B. C.	3 "	1 50	Mellins Food Co., Boston, Mass.
" 11	" " "	39330	John Cochrane, Victoria, B. C.	3 "	1 50	Allen, Hanbury, Ltd., London, Eng.

INVALID'S FOOD.

Inspector's Report. (Is not an expression of Opinion).	RESULTS OF ANALYSIS.								Number of Sample.
	Moisture.	Fat, by Fet- tolic Ether.	Loss to Alcohol.	Loss to Water.	Sum of Losses to Alcohol and Water.	Proteids, N x 6.25.	Ash.	Starch, &c., by Differ- ence.	

R. W. FLETCHER, INSPECTOR.

	p. c.	p. c.	p. c.	p. c.	p. c.	p. c.	p. c.	p. c.	
Allenburys	3.20	15.45	55.90	10.30	66.20	10.00	3.80	.....	28984
Lacto-Globulin.....	9.27	0.70	6.10	5.95	12.05	74.62	8.22	.....	28985
Robinson's Barley.....	8.25	1.05	2.93	3.20	6.23	6.94	0.50	.....	28986
Bengers Food.....	6.60	1.30	6.40	27.05	33.45	11.19	0.90	46.56	28987
"Eskay's".....	1.45	4.73	46.70	12.13	58.80	7.00	1.14	26.88	28988

J. F. POWER, INSPECTOR.

	p. c.	p. c.	p. c.	p. c.	p. c.	p. c.	p. c.	p. c.	
Nestle's	1.44	4.46	47.38	15.48	62.86	11.56	1.80	.....	37576
Horlicks Malted Milk...	1.80	8.80	50.80	19.20	70.00	15.31	2.90	.....	37577
Wampole's.....	2.40	7.45	55.70	19.30	75.00	11.81	2.68	.....	37578
Mellins	4.00	0.70	70.00	9.85	79.85	11.12	3.42	0.91	37579
Lactated	7.65	0.30	23.75	7.05	30.80	9.00	1.00	52.20	37580

D. O'SULLIVAN, INSPECTOR.

	p. c.	p. c.	p. c.	p. c.	p. c.	p. c.	p. c.	p. c.	
Nestle's	2.40	5.40	50.80	13.20	64.00	11.81	1.24	.. . . .	39326
Robinson's Barley.....	8.50	1.45	2.85	4.80	7.65	7.00	0.62	.....	39327
Lactated	6.60	0.30	24.77	6.70	31.47	9.44	0.88	51.31	39328
Mellins	3.55	0.80	69.15	11.70	81.05	10.75	3.40	0.45	39329
Allenbury's No. 1.....	2.65	16.75	54.65	9.80	64.45	10.12	3.86	.....	39330

TABLE III.

ALLENBURY'S MILK FOOD, No. 1.

Serial Number.	Departmental Number.	Moisture.	Fat—by Petrolic Ether.	Loss to Alcohol.	Loss to Water.	Sum of Losses to Alcohol and Water.	Proteids—N. x 6.25.	Ash.	Starch, &c., by Difference.	Remarks.
1	29918	2.30	17.75	54.60	8.95	63.55	10.00	3.40	Directions require water only to be added in preparing for use.
2	36894	3.30	17.75	54.45	8.60	63.05	10.00	3.56	.....
3	36896	3.00	16.70	53.95	9.00	63.85	10.00	3.86	.....
4	1029	3.10	17.85	54.65	8.35	63.00	10.12	3.50	.....
5	40028	2.70	16.75	55.60	8.65	64.25	10.00	3.60	.....
6	39330	2.65	16.75	54.65	9.80	64.45	10.12	3.86	.....
7	35901	3.25	17.35	55.65	8.00	63.65	10.00	3.94	.....
Means..		2.90	17.28	54.79	8.89	63.68	10.03	3.68	2.43	

ALLENBURY'S MILK FOOD, No. 2.

8	39467	3.15	15.55	53.40	11.65	65.05	8.94	3.54	.....	Directions require water only to be added in preparing for use.
9	35866	3.40	15.80	53.80	12.65	66.45	9.44	3.80	.....
10	28984	3.20	15.45	53.90	10.30	66.20	10.00	3.80	.....
Means..		3.25	15.60	54.36	11.53	65.90	9.46	3.71	1.98	

ALLENBURY'S MALTED FOOD, No. 3.

11	35867	3.90	1.74	9.40	13.02	22.42	10.88	.....	.....	Milk is used in preparing this food for use, according to directions.
12	30591	4.66	1.26	9.64	10.20	19.84	10.50	.....	.....
13	36109	4.00	1.25	8.85	15.10	23.95	10.94	0.60	.....
Means..		4.19	1.42	9.30	12.77	22.07	10.77	0.60	60.95	

BABY'S OWN FOOD.

14	36868	6.55	1.05	7.65	15.15	22.80	9.63	0.58	59.39	Directions require addition of varying amounts of milk.
----	-------	------	------	------	-------	-------	------	------	-------	---------------------------------------------------------

BENGER'S FOOD.

15	28987	6.60	1.30	6.40	27.05	33.45	11.19	0.90	46.56	Is directed to be used along with milk, which supplies the fat required.
----	-------	------	------	------	-------	-------	-------	------	-------	--------------------------------------------------------------------------

CONCENTRATED CARDINAL FOOD.

16	33939	8.18	0.35	5.50	2.85	8.35	10.50	0.85	71.76
17	31483	7.12	0.57	5.22	3.87	9.09	10.31	0.98	71.91
18	1631	6.50	0.35	6.20	3.27	9.47	10.50	1.12	72.06
Means..		7.26	0.42	5.64	3.33	8.94	10.44	0.98	71.91

CHRISTIE'S INFANT'S FOOD.

19	1632	3.70	3.05	28.40	7.25	35.65	6.50	1.00	50.10	Is directed to be prepared with water only.
----	------	------	------	-------	------	-------	------	------	-------	---------------------------------------------

TABLE III.

ENGLISH MILK FOOD—MALTED.

Serial Number.	Departmental Number.	Moisture.	Fat by Petrolite Ether.	Loss to Alcohol.	Loss to Water.	Sum of losses to Alcohol and Water.	Proteids— N. x 6.25.	Ash.	Starch, &c., by Difference.	Remarks.
20	36197	5.75	0.70	20.40	9.90	30.30	8.38	0.92	53.95	Directed to be prepared with milk.
21	36008	5.46	0.95	19.45	9.80	29.25	8.50	0.62	55.22	
Means..		5.60	0.83	19.90	9.85	29.78	8.44	0.77	54.08	

ESKAY'S ALBUMENIZED FOOD.

22	33940	1.70	4.95	51.30	7.35	58.65	7.25	0.98	26.47	Is directed to be used along with milk, to supply fat, etc.
23	28088	1.45	4.73	46.70	12.13	58.80	7.00	1.14	26.88	
Means.		1.58	4.84	49.00	9.74	58.73	7.13	1.06	26.68	

HORLICK'S MALTED MILK.

24	33941	3.45	8.45	49.00	18.30	67.30	14.88	4.00	1.92	Prepared for use with water only; but cream may be added if desired, according to directions on the label.
25	40030	3.20	8.35	50.75	17.30	68.05	15.31	3.90	1.19	
26	22938	3.45	7.32	50.90	17.65	68.55	14.94	3.70	.....
27	39468	3.35	7.60	52.05	18.25	70.30	14.96	3.40	.....
28	39470	2.90	8.15	49.90	20.15	70.00	14.69	3.80	.....
29	30609	3.55	7.70	47.80	19.55	67.35	14.88	4.00	.....
30	34799	3.35	7.00	53.55	15.85	69.40	14.19	2.70	.....
31	37577	1.80	8.80	50.80	19.20	70.00	15.31	2.90	.....
Means.		3.13	7.92	50.59	18.28	68.87	14.90	3.55	1.63	

LACTO-GLOBULIN.

32	31486	9.85	0.65	5.30	6.35	11.65	71.44	8.36	Prepared for use with water only; but milk, &c., may be added.
33	22939	9.05	0.85	7.97	4.92	12.89	72.62	8.20	.....
34	34785	9.45	0.97	8.25	5.65	13.80	71.06	8.00	.....
35	28985	9.27	0.70	6.10	5.95	12.05	74.62	8.22	.....
Means.		9.40	0.79	6.90	5.72	12.59	72.44	8.19	.....

NOTE.—The factor 6.25 used for converting nitrogen to proteids is an approximate factor only, and lead to notable error in the case of this food, which contains about 70 per cent of proteid material.

LACTATED FOOD.

36	33938	6.95	0.42	24.65	5.10	29.65	9.56	1.04	51.38
37	31484	6.45	0.50	23.77	6.40	30.17	8.81	1.10	53.00
38	29921	6.80	0.45	22.37	7.05	29.42	9.13	1.20	53.00
39	36893	6.90	0.30	24.07	7.05	31.12	9.81	1.46	50.41
40	30593	6.70	0.40	27.97	4.20	32.17	11.06	1.40	49.39
41	35911	6.95	0.45	22.15	6.57	28.72	9.50	1.04	53.34
42	37580	7.65	0.30	23.75	7.05	30.80	9.00	1.00	52.20
43	39328	6.60	0.30	24.77	6.70	31.47	9.44	0.88	51.31
Means.		6.87	0.38	24.18	6.26	30.44	9.54	1.14	51.75

TABLE III.
MELLIN'S FOOD.

Serial Number.	Departmental Number.	Moisture.	Fat by Petrolic Ether.	Loss to Alcohol.	Loss to Water.	Sum of Losses to Alcohol and Water.	Proteids—N x 6.25.	Ash.	Starch, &c., by Difference.	Remarks.
44	31485	4.00	0.60	64.75	15.30	80.05	11.56	3.56	0.23	Sample 30595 had been wrapped in paper, and was not in good condition when analysed. This food is directed to be prepared with milk, to supply fat, etc.
45	30595	4.70	0.85	73.75	5.00	78.75	10.44	2.74	2.52	
46	37579	4.00	0.70	70.00	9.85	79.85	11.12	3.42	0.91	
47	39329	3.55	0.80	69.15	11.70	81.05	10.75	3.40	0.45	
	Means.	4.06	0.74	69.41	10.46	79.92	10.97	3.28	1.03	

NEAVE'S FOOD.

48	34784	4.00	0.75	16.75	8.40	25.15	12.06	0.46	57.58	Directed to be used with milk.
----	-------	------	------	-------	------	-------	-------	------	-------	--------------------------------

NESTLE'S FOOD.

49	1028	1.60	4.82	50.55	14.30	64.85	12.50	1.40	Directed to be used without milk.
50	40629	1.50	4.25	51.23	10.57	61.80	12.06	1.42	.....
51	22637	1.68	4.47	51.33	11.78	63.10	14.19	1.40	.....
52	39466	0.76	4.34	51.02	12.88	63.90	12.06	.....	1.74
53	30694	2.90	5.35	45.45	13.60	59.06	12.50	.....	1.74
54	35869	1.12	4.40	50.88	12.30	63.18	13.13	1.56	.....
55	37576	1.44	4.46	47.38	15.48	62.86	11.56	1.80	.....
56	39326	2.40	5.40	50.80	13.20	64.00	11.81	1.24	.....
	Means.	1.67	4.69	49.83	13.03	62.85	12.09	1.51	17.19	

PREPARED GROATS.

57	1030	5.50	7.00	3.70	4.70	8.40	13.94	1.06	64.10	For making a gruel.
----	------	------	------	------	------	------	-------	------	-------	---------------------

RIDGE'S FOOD.

58	31487	8.80	2.45	4.55	14.38	0.54	Is directed to be prepared for use with milk.
59	29929	7.65	1.40	.....	4.75	.....	11.31	0.56	.....
60	36897	8.25	1.45	trace...	.....	3.65	10.94	0.40	.....
61	36198	7.75	2.50	"	4.50	4.50	10.44	0.54	.....
	Means.	8.11	1.91	trace...	4.36	4.36	11.77	0.51	73.74	

ROBINSON'S PATENT BARLEY.

62	33937	8.95	1.25	2.90	4.15	7.05	7.69	0.74	Is directed to be prepared with milk, which supplies the fat.
63	29917	8.75	1.25	2.25	4.35	6.60	6.81	0.60	.....
64	36895	8.25	1.15	2.65	3.75	6.40	7.44	0.54	.....
65	30607	8.05	1.40	2.55	4.20	6.75	7.63	0.62	.....
66	28986	8.25	1.05	2.93	3.30	6.23	6.94	0.50	.....
67	39327	8.50	1.45	2.85	4.80	7.65	7.00	0.62	.....
	Means.	8.46	1.26	2.69	4.09	6.78	7.25	0.61	75.64	

TABLE III.

TRIANGLE FOOD.

Serial Number.	Departmental Number.	Moisture.	Fat by Petrolic Ether.	Loss to Alcohol.	Loss to Water.	Sum of losses to Alcohol and Water.	Proteids— N. x 6.25.	Ash.	Starch, &c., by Difference.	Remarks.
68	36196	7.35	1.70	1.20	2.55	3.75	12.25	0.70	74.25	Directed to be prepared with milk.

TRITICUMINA.

69	40026	5.62	1.58	1.20	5.10	6.30	12.88	0.50	73.12	Directed to be used with milk.
----	-------	------	------	------	------	------	-------	------	-------	--------------------------------

WAMPOLE'S MILK FOOD.

70	29919	3.75	7.40	55.80	17.40	73.20	11.62	2.46	.....
71	22940	3.35	7.10	55.60	15.70	71.30	14.18	2.64	.....
72	35870	2.53	7.20	57.15	16.75	73.90	12.43	2.44	.....
73	37573	2.40	7.45	55.70	19.30	75.00	11.81	2.68	.....
	Means.	3.00	7.29	55.85	17.29	73.14	12.51	2.55	1.51	

WEMALTA.

74	40027	9.30	1.20	9.25	19.55	28.80	10.69	1.06	.....	Is directed to be prepared with water only.
75	39469	8.85	1.25	7.30	21.60	28.90	12.25	0.68	.....
76	36260	8.85	1.35	9.10	20.60	29.70	12.31	0.78	.....
	Means.	9.00	1.27	8.55	20.58	29.13	11.75	0.84	48.01	

WYETH'S PREPARED FOOD.

77	22936	3.00	1.30	46.00	22.30	68.30	14.69	3.50	7.21	
----	-------	------	------	-------	-------	-------	-------	------	------	--