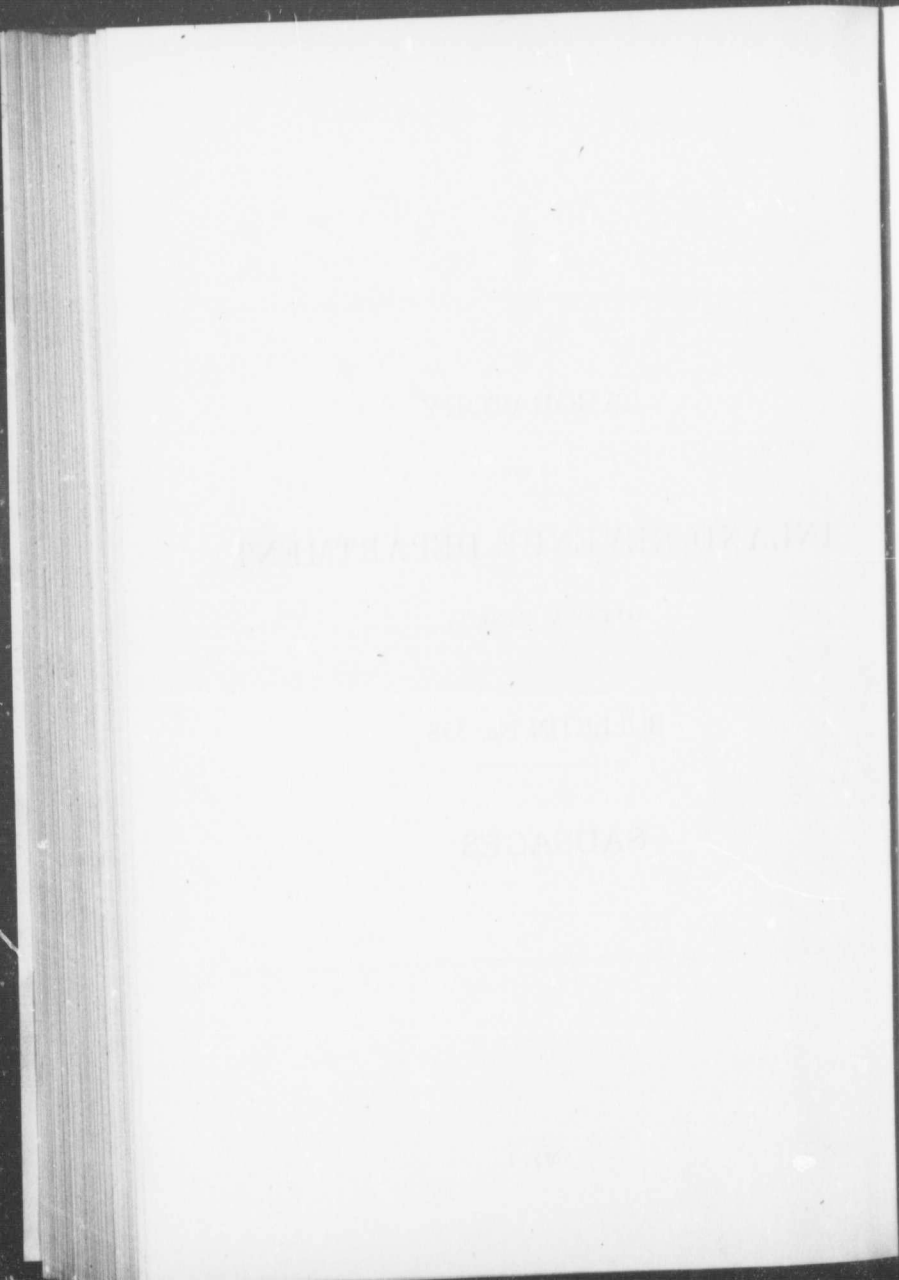


LABORATORY
OF THE
INLAND REVENUE DEPARTMENT

OTTAWA, CANADA.

BULLETIN No. 338

SAUSAGES



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NOTES AND COMMENTS.

Under this heading, as occasion arises, the Bulletins issued by this Department will contain, as an appendix, such comment as may seem necessary or advisable upon matters relating to the work of the Department in connection with the administration of the Adulteration Act, the Fertilizers Act, the Feeding Stuffs Act or the Proprietary Medicines Act.

It frequently happens that correspondents ask information regarding the above Acts, of such a nature that the matter in question possesses general interest, and comment upon it would prove acceptable and useful to others than the immediate questioner. In such cases the reply may find a place in these columns. For convenience of reference these notes will be numbered in series.

LABORATORY
OF THE
INLAND REVENUE DEPARTMENT

OTTAWA, CANADA.

BULLETIN No. 338

SAUSAGES

OTTAWA, 12 April, 1915.

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

Sir,—The present report deals with work done upon one hundred and forty-one (141) samples of sausages, mainly with intent to discover the character of these goods as found in Canada, but also to ascertain whether or not certain modes of treatment not permitted to manufacturers who work under government inspection are in use by sausage manufacturers whose establishments are not supervised by the inspectors of the Department of Agriculture. This has particular reference to the use of dyes, and preservatives.

It has not been considered necessary to make exhaustive analyses upon all the samples, and the work herein reported may be summarized as follows:—

Examined as to Moisture content.	60 samples.
“ “ starch content.	80 “
“ “ dyes.	141 “
“ “ preservatives.	30 “
“ “ ash content.	20 “
“ “ proteid content.	20 “
“ “ fat content.	20 “
“ “ bacterial.	9 “

Sausages are defined as follows, by Order in Council of 14th October, 1910 (published as G. 931).

“ 2. Sausage, sausage meat, is a comminuted meat from swine or neat
“ cattle or a mixture of such meats, either fresh, salted, pickled or smoked, with
“ added salt and spices and with or without the addition of edible animal fats, cereals,
“ blood and sugar, or subsequent smoking. It contains no larger amount of water than
“ the meats from which it is prepared contain when in their fresh condition, and not
“ more than ten per cent of its weight of cereals; and if it bears a name descriptive of
“ kind, composition or origin, it corresponds to such descriptive name. All animal
“ tissues used as containers, such as casings, stomachs, etc., are clean and sound and
“ impart to the contents no other substance than salt.”

Moisture (Water) Content. This is required not to exceed the amount of moisture natural to the meats from which it is prepared. In this connection the following constants possess interest. They are taken from Leach "Food Inspection and Analysis", 2nd Edition, p. 213, et seq.

Beef as usually purchased.

	Chuck.	Ribs.	Lo'n.	Rump.	Round.	
Lean	57.4	52.6	58.2	56.6	64.4	} Water.
Medium	57.9	43.8	52.5	45.0	60.7	
Fat	53.3	39.6	49.2	36.2	54.0	

Pork as usually purchased.

	Shoulder.	Loin.	Ham.	
Lean	44.9	46.1	59.4	} Water.
Fat	—	41.8	33.6	

Of the total water present in sausages, it is generally accepted that the lean sausage meat contributes about 76 per cent the fatty tissue, from 3 to 8 per cent, and the starch or flour from 10 to 15 per cent (Allen Com. Org. Analysis, Vol. VIII, p. 361) König (Jusammensetzung, etc., p. 1460) quotes 48.24 p.c. water for the mean of many analyses of pork sausages.

The results of analysis in the case of the present collection, and so far as water is concerned, are as below:—

Average for 10 samples from New Brunswick	48.3 per cent.
" 10 " Toronto	51.9 "
" 10 " Hamilton	49.4 "
" 10 " Alberta	43.9 "
" 10 " Rocky Mountains	50.6 "
" 10 " Vancouver	43.8 "

Average for 60 samples 48.0 per cent.

Starch Content of Sausages. The standards above quoted require that starch shall not exceed 10 per cent. As a matter of fact, our analytical results show that much less than this amount is usually present.

In the case of 80 samples examined, 75 samples contain starch. The average starch content is 3.14 per cent. In greater detail, the results are:—

For 10 samples from New Brunswick	7.44 per cent.
" 10 " Toronto	2.12 "
" 9 " Hamilton	1.76 "
" 10 " Manitoba	1.68 "
" 10 " Saskatchewan	2.09 "
" 7 " Alberta	3.89 "
" 10 " Rocky Mountains	2.28 "
" 9 " Vancouver	4.10 "
Mean starch for 75 samples	3.14 "

Dyes are present in 13 out of 141 samples examined. Dyed sausages were found as follows: in Montreal 5 samples; in Ottawa 4 samples; in Toronto, 2, and in Hamilton and Windsor, each, 1.

I beg to recommend publication of this report as Bulletin No. 338.

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.	Cents.	Manufacturer.	Furnisher.
DISTRICT OF NEW BRUNSWICK—							
1916.							
Feb. 22.	Sausages.....	66291	John Hopkins, St. John, N. B.	1½ lb.	24	Vendor.....	
" 22.	"	66292	John Hopkins, St. John, N. B.	1½ "	23	"	
" 22.	"	66293	John Hopkins, St. John, N. B.	1½ "	27	"	
" 22.	"	66294	O'Neill Bros., St. John, N. B.	3 "	48	Vendors.....	
" 22.	"	66295	Thomas Dean, St. John, N. B.	4 "	48	Vendor.....	
" 22.	"	66296	G. F. Cunningham & Co., St. John, N. B.	3 "	48	"	
" 23.	"	66297	G. B. Taylor, St. John, N. B.	1½ "	24	"	
" 23.	"	66298	Slipp & Flewelling, St. John, N. B.	1½ "	24	Vendors.....	
" 23.	"	66299	Lilley & Co., St. John, N. B.	1½ "	20	"	
" 23.	"	66300	Lilley & Co., St. John, N. B.	1½ "	15	"	
DISTRICT OF OTTAWA—							
1915.							
Dec. 9.	Sausages.....	70567	O. Leclair, Ottawa.....	1½	25	Vendor	
" 9.	"	70564	Alex. Daudelin, Ottawa	1½ "	23	"	
" 10.	"	70565	Louis Renaud Ottawa.....	1½ "	18	"	
" 10.	"	70566	C. & J. Gougeon, Ottawa.	1½ "	19	Vendors.....	
" 16.	"	70594	A. S. Moreland, Ottawa	2 "	40	McGregor's Ottawa	
" 16.	"	70595	Civil Service, Co-op. S. assoc., Ottawa.	1½ "	23	Vendors	
" 20.	"	70612	J. S. Charbonneau, Ottawa.	1½ "	20	Vendor	
" 20.	"	70614	John Cardiff, Ottawa.....	1½ "	20	Matthews-Blackwell Ltd., Ottawa	
" 21.	"	70622	Railway Stores, Ltd. Ottawa.	1½ "	20	Vendors.....	
" 21.	"	70623	P. McKeown, Ottawa.....	1½ "	19	Vendor	
" 21.	"	70624	Chas. Glover, Ottawa.....	1½ "	19	"	
Oct. 12.	"	70546	The A. E. Rae Co., Ltd., Ottawa.	1½ "	23	Vendors.....	
" 12.	"	70547	O. Leclair, Ottawa.....	1½ "	25	Vendor	

SAUSAGES.

Inspector's Report. (Is not an expression of opinion.)	Results of Analysis.					Remarks and Opinion of the Chief Analyst	
	Moisture.	Starch.		Aniline Dyes.	Preservatives.		Condition on Receipt.
		Percentage.	Nature of.				
						No. of Sample.	

JNO. C. FERGUSON, INSPECTOR.

Links.....	44.76	11.8	Maize.	None.	None.	Good.	66291
Bologna,	63.04	5.1	"	"	"	"	66292
Frankfurter	57.14	10.4	"	"	"	"	66293
Links.....	45.32	4.8	"	"	"	"	66294
"	44.94	8.1	Wheat.	"	"	"	66295
Pork & Beef....	42.16	6.0	Maize.	"	"	"	66296
"	38.40	1.8	"	"	"	"	66297
Strings.....	36.02	4.9	"	"	"	"	66298
"	49.18	9.8	"	"	"	"	66299
Bologna.....	62.42	11.7	Wheat, gelatinized	"	"	"	66300

J. A. RICKEY, INSPECTOR.

				None.			70568
				Present.			70564 Coloured.
				"			70565 Coloured.
				None.			70566
				"			70594
				"			70595
				Present.			70611 Coloured.
				None.			70614
				"			70622
				Present.			70623 Coloured.
				None.			70624
	Organo- leptic test.	Organism per gram on agar at 20° C. 1,450,000	Gas pro- ducing or- ganism pr gram. 100,000	"		Fair.	70546
	Fair.	4,700,000	1,000,000	"		Good.	70547

BULLETIN No. 338—SAUSAGES.

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

DISTRICT OF KINGSTON—JAS. HOGAN, INSPECTOR.

1915.											
Dec. 21	Sau-ages.....	61086	H. Waddington, Kingston	1½ lb.	20	Vendor.....			None.....	61086	
" 21..	"	61087	A. Maclean, "	1½ "	22	"			"	61087	
" 21..	"	61088	Wm. Davies, "	1½ "	24	"	Pork.....		"	61088	
" 21 .	"	61089	"	1½ "	15	"	"		"	61089	
" 21 .	"	61090	A. Rawson, "	1½ "	19	"	"		"	61090	
" 21..	"	61091	A. Hood, "	1½ "	20	"	"		"	61091	
" 21..	" ..	61092	W. J. Nesbitt, "	1½ "	23	Swifts Co., Toronto.	"		"	61092	
" 21..	"	61093	W. G. Ainslie, "	1½ "	23	Harris Abattoir Co. Toronto.	"		"	61093	
" 21..	"	61094	Anderson Bros. "	1½ "	40	Vendor.....	Pork.....		"	61094	
" 21..	"	61095	" ..	1½ "	30	"	Beef.....		"	61095	

DISTRICT OF TORONTO—H. J. DAGER, INSPECTOR.

" 21..	"	61005	"	"	"	1½	"	30	Beef
" 21..	"		"	"	"		"		

DISTRICT OF TORONTO—H. J. DAGER, INSPECTOR.

1916.									
Jan. 17..	Sausages	70179	The Wm. Davies Co. Ltd., Toronto.	2	lb.	25	Vendors	None	70179
" 17..	"	70180	Gunn's Ltd., Toronto	1½	"	15	"	"	70180
" 17..	"	70181	Brown Bros.	1½	"	23	"	"	70181
" 17..	"	70183	The Harris Abattoir Co. Ltd. Toronto.	1½	"	24	"	"	70183
" 17..	"	70184	Purdy Bros., Toronto	1½	"	20	"	Present	70184 Coloured.
" 17..	"	70185	The T. Eaton Co., Ltd. Tor- onto.	1½	"	26	"	"	70185 "
" 17..	"	70186	The Robt. Simpson Co. Ltd. Toronto.	1½	"	26	"	None	70186
" 17..	"	70187	Rowntree & Son, Toronto	1½	"	15	"	"	70187
" 17..	"	70188	Geo. Coles, Barrie	1½	"	25	"	"	70188
" 19..	"	70189	F. Wiseman, Barrie	1½	"	23	"	"	70189
" 19..	"	70190	A. E. Lawe, "	1½	"	24	"	"	70190

1079-6101

6

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 TORONTO—

1914.							
Oct.	6	Sausages ...	63121	Harris Abattoir Co., Ltd., Toronto.	1 lb	10	Vendors
"	6	" ..	63122	Wm. Davies Co., Ltd., Toronto.	2 "	20	"
"	6	" ..	63123	Fox Provision Co., Front st. E., Toronto.	66 1/2 "	18	"
"	6	" ..	63124	Swift Canadian Co., Tor- onto.	1 1/2 "	17	"
"	6	" ..	63125	Matthews-Blackwell, Ltd., Toronto.	1 1/2 "	15	"
"	6	" ..	63126	Gunn's, Ltd., West Tor- onto.	1 1/2 "	15	"
"	6	" ..	63127	Wm. Davies Co., Ltd., West Toronto.	1 1/2 "	26	"
"	6	" ..	63128	Wm. Rowntree, West Toronto.	1 1/2 "	19	Vendor
"	7	" ..	63129	P. G. McDonald, Orillia.	1 1/2 "	17	"
"	8	" ..	63130	A. E. Lowe Barrie.....	1 1/2 "	23	"

DISTRICT OF HAMILTON—

Oct.	28	Sausages ...	63166	Fowler Canadian Co., Hamilton.	1 1/2 lb	20	Vendors
"	28	" ..	63167	Swanwith Bros., Hamil- ton.	1 1/2 "	20	"
"	20	" ..	63168	J. & A. McHardy, Ltd., Guelph.	1 "	15	"
"	20	" ..	63169	C. W. Barber, Guelph....	1 1/2 "	29	Vendor
"	20	" ..	63170	J. Burns, Brantford	1 1/2 "	23	Matthews-Laing, Ltd., Brantford.
"	20	" ..	63171	Misrod Bros., Brantford .	1 1/2 "	20	Vendors
"	22	" ..	63172	Geo. Robin & Co., Dunn- ville.	1 1/2 "	22	Jno. Duff & Son, Hamilton.
"	23	" ..	63173	Park Riley, Welland....	1 1/2 "	23	Vendor
"	27	" ..	63174	Heney & Glackin, St. Catharines.	1 1/2 "	29	Mayer Bros., St. Catharines.
"	28	" ..	63175	W. J. Lord, Hamilton....	1 1/2 "	20	Vendor

SAUSAGES.

Inspector's Report. (Is not an expression of opinion.)	Results of Analysis.								Remarks and Opinion of the Chief Analyst.
	Water.	Ash.	Protein	Fat by difference.	Starch.		Sulphurous parts per 10,000.	Dyes.	
					Per cent.	Kind.			
									No. of Sample.

H. J. DAGER, INSPECTOR.

	p. c.	p. c.	p. c.							
	50.40	2.33	15.25	24.47	7.55	maize	1.8	Ab-	63121	
	55.05	1.57	10.65	31.94	0.79	wheat	0.0	sent.	63122	
	43.18	2.53	8.85	45.10	0.34	indefi-	2.4	"	63123	
	60.50	1.70	11.50	22.64	3.66	maize	0.01	"	63124	
	58.70	1.64	9.75	27.53	2.38	"	7.4	"	63125	
	44.50	2.77	16.60	35.63	0.50	indefi-	0.2	"	63126	
	56.30	1.90	11.65	29.59	0.56	maize	0.0	"	63127	
	48.80	1.57	10.50	36.99	2.14	indefi-	0.55	"	63128	
	47.13	3.12	10.65	35.98	3.06	maize	0.27	"	63129	
	54.57	3.57	12.30	29.31	0.25	"	0.0	"	63130	

H. J. DAGER, ACTING INSPECTOR.

	44.93	2.53	9.95	39.63	2.96	maize	0.0	Ab-	63166	
	50.27	3.23	9.60	33.62	3.28	indefi-	5.6	"	63167	
	46.48	3.08	11.45	38.23	0.76	"	0.1	"	63168	
	53.28	2.10	15.45	27.49	1.68	"	0.14	"	63169	
	41.70	3.23	12.70	41.55	0.82	maize	0.65	"	63170	
	59.05	2.38	10.90	26.95	0.72	indefi-	0.2	"	63171	
	49.55	3.23	13.25	33.61	0.36	maize	0.31	"	63172	
	50.40	3.95	11.20	32.49	1.96	indefi-	3.05	"	63173	
	42.46	2.40	11.25	43.95	.....	spice.	0.70	"	63174	
	56.30	2.80	13.70	23.96	3.24	indefi-	0.70	"	63175	

BULLETIN No. 337—SAUSAGES.

Date of Collection.	Nature of Sample.	No. of Sample.	Name and Address of Vendor.	Cost.		Name and Address of Manufacturer or Furnisher as given by the Vendor.		Inspector's Report. (Is not an expression of Opinion.)	Results of Analysis.	No. of Sample.	Remarks and Opinion of the Chief Analyst.
				Quantity.	Conts.	Manufacturer.	Furnisher.		Aniline Dyes.		

DISTRICT OF HAMILTON—H. S. DAGER, ACTING INSPECTOR.

1916.											
Jan. 11.	Sausages	70168	J. A. McRae & Son, Guelph.	1½ lb.	27	Vendors			Present	70168	Coloured.
" 11.	"	70169	Guelph Co-operative Association, Guelph.	1½ "	27	"			None	70169	
" 11.	"	70170	C. W. Barler, Guelph.	1½ "	29	Vendor			"	70170	
" 12.	"	70471	A. Vine, St. Catharines.	1½ "	25	"			"	70171	
" 12.	"	70172	The Wm. Devers Co., Ltd., St. Catharines.	1½ "	15	"	Toronto.		"	70172	
" 12.	"	70173	W. P. Bray, St. Catharines.	1½ "	30	Mayer Br os., St. Catharines.			"	70173	
" 13.	"	70174	D. McKillop, Hamilton.	1½ "	30	J. M. Snider & Sons, Berlin.			"	70174	
" 13.	"	70175	Gibbons & Yellowlers, Hamilton.	1½ "	24	Vendors			"	70175	
" 13.	"	70176	F. W. Fearman Co., Ltd., Hamilton.	1½ "	15	"			"	70176	
" 13.	"	70177	Armour & Co., Ltd., Hamilton.	1½ "	20	"			Not received.	70177	
" 13.	"	70178	Duff-Stores Co., Ltd., Hamilton.	1½ "	20	"			None	70178	

" 13.	"	70178	ton. Duff-Stores Co., Ltd., Ham- ilton.	1½	"	20						
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DISTRICT OF WINDSOR - JNO. TALBOT, INSPECTOR.

Jan. 16.	Sausages.	54514	Teeples Market, London, Ont.	1½	lb.	15	Mr. Morris, London, Ont			None	54514
" 6.	"	54515	Jas. Johnson, London, Ont.	1½	"	18	Vendor			"	54515
" 6.	"	54516	Chas. Ellyatt, London, Ont.	1½	"	20	"			"	54516
" 6.	"	54517	F. J. Webb, London, Ont.	1½	"	19	"			"	54517
" 6.	"	54518	F. J. Jackson, London, Ont.	1½	"	20	"			"	54518
" 6.	"	54519	T. Hamlyn, London, Ont.	1½	"	20	"			"	54519
" 6.	"	54520	Ginsberg Bros., London, Ont.	1½	"	20	St. Thomas Packing Co., St. Thomas, Ont.			"	54520
" 6.	"	54521	F. L. Ross, London, Ont.	1½	"	19	Vendor			Present	54521 Coloured
" 6.	"	54522	C. B. Smith, London, Ont.	1½	"	23	Anderson Bros., Lon- don, Ont.	Frankford		None	54522
" 6.	"	54523	H. Millerson, London, Ont.	1½	"	20	Vendor			"	54523

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

DISTRICT OF MONTREAL—

1915.							
Oct. 27	Sausages	67471	H. C. Ness, Montreal	1½ lb.	30	Vendor	
" 27	"	67472	G. B. Dufort, "	1½ "	15	"	
" 27	"	67473	Masterman's Packing Co., Montreal	1½ "	18	Vendors	
" 27	"	67474	G. McGarry & Co., Montreal	1½ "	26	"	
" 27	"	67475	Lamb's Market Ltd., Montreal	1½ "	30	"	
" 27	"	67476	Stamfords Market, Montreal	1½ "	29	"	
" 27	"	67477	T. A. Dionne, Montreal	1½ "	20	"	

DISTRICT OF MANITOBA—

1916.							
Feb. 1	Sausages	72017	W. J. Burchell, Brandon	1½ lb.	25	Vendor	
" 2	"	72018	Central Meat Market, Brandon	1½ "	25	"	
" 2	"	72019	Joseph Donaldson, Brandon	1½ "	25	"	
" 3	"	72020	R. H. Dingle, & Son, Carberry, Man.	1½ "	25	Vendors	
" 4	"	72021	Snow & Wighton, McGregor, Man.	1½ "	25	"	
" 5	"	72022	Burk & Andrich, Portage la Prairie	1½ "	25	"	
" 5	"	72023	R. M. Boak, Portage la Prairie	1½ "	25	Vendor	
" 7	"	72024	Lincoln Park Meat Market, Winnipeg	1½ "	30	"	
" 7	"	72025	H. Thompson, Winnipeg	1½ "	30	"	
" 7	"	72026	William Coates, "	1½ "	25	"	

DISTRICT OF SASKATCHEWAN—

Jan. 27	Sausages	71537	Western Meat Market, Moosejaw	1½ lb.	20	Vendors	
" 27	"	71538	Central Meat Company, Moosejaw	1½ "	30	"	
" 27	"	71539	Alex Robertson, Moosejaw	1½ "	30	Vendor	
" 27	"	71540	W. H. Roper, "	1½ "	30	"	

SAUSAGES.

Inspector's Report. (Is not an expression of opinion.)	Results of Analysis.						Remarks and Opinion of the Chief Analyst.
	Organoleptic test.	Organisms per gram on agar at 20° C.	Gas producing organism per gram.	Starch.	Aniline dyes.	Conditions.	
							No. of Sample.

D. J. KEARNEY, INSPECTOR.

				p. c.			
.....	Fair	8,200,000	10,000	.....	None	Fair	67471
.....	"	15,000,000	1,000,000	.....	Present	Bad	67472 Coloured.
.....	"	6,100,000	100,000	.....	"	Fair	67473 "
.....	"	22,000,000	1,000,000	.....	"	Bad	67474 "
.....	"	8,200,000	100,000	.....	"	Fair	67475 "
.....	"	7,500,000	10,000	.....	"	"	67476 "
.....	"	10,800,000	None	.....	None	"	67477

J. B. COSGROVE, TEMP. INSPECTOR.

.....				0 71	None		72017
.....				1 40	"		72018
.....				1 02	"		72019
.....				1 57	"		72020
.....				1 29	"		72021
.....				0 51	"		72022
.....				2 70	"		72023
.....				2 30	"		72024
.....				1 18	"		72025
.....				4 10	"		72026

L. H. HALL, INSPECTOR.

Beef				2 11	None		71537
Pork				1 80	"		71538
"				0 94	"		71539
"				2 58	"		71540

BULLETIN No. 338—SAUSAGES.

Date of Collection.	Nature of Sample.	No. of Sample	Name and Address of Vendor.	Quantity.	Cents.	Name and Address of Manufacturer or Furnisher as given by the Vendor.	Inspector's Report. (Is not an expression of opinion.)	Results of Analysis.		Dyes.	No. of Sample.	Remarks and Opinion of the Chief Analyst.
								Water.	Starch.			
1916.								P. C.	P. C.			
Jan. 27	Sausages.	71541	East End Meat Market, Moosejaw.	1½ lb.	30	Vendor	Pork	1.37	None.		71541	
" 28	"	71542	Regina Brewing and Packing Co., Regina.	1½ "	20	Vendors	Beef and pork	1.92	"		71542	
" 28	"	71543	James Craig, Regina.	1½ "	20	Vendor	Beef	4.06	"		71543	
" 28	"	71544	M. Wall, Regina.	1½ "	20	"	"	5.13	"		71544	
" 28	"	71545	Wm. Chydale, Regina.	1½ "	20	"	Beef and pork	0.67	"		71545	
" 28	"	71546	John Ferguson, Regina.	1½ "	25	"	Pork	0.34	"		71546	

DISTRICT OF SASKATCHEWAN—Continued.

DISTRICT OF ALBERTA—A. W. R. MARBLEY, INSPECTOR.

Date of Collection.	Nature of Sample.	No. of Sample	Name and Address of Vendor.	Quantity.	Cents.	Name and Address of Manufacturer or Furnisher as given by the Vendor.	Inspector's Report. (Is not an expression of opinion.)	Results of Analysis.		Dyes.	No. of Sample.	Remarks and Opinion of the Chief Analyst.
								Water.	Starch.			
Feb. 12	Sausages.	52391	P. Burns & Co., Edmonton.	1½ lb.	15	Vendors	Mixture	38.69	0.27	Spice.	Absent	52391
" 12	"	52392	" " " "	1½ "	30	"	Pork	42.30	"	"	"	52392
" 12	"	52393	Imperial Meat Market, Edmonton.	1½ "	25	P. Burns & Co., Edmonton.	"	42.41	1.65	Whisk.	"	52393
" 12	"	52394	Johnstone Walker, Ltd., Edmonton.	1½ "	30	Sweet Canadian Canned Meat Co., Ltd., Edmonton.	" Brookfield Brand.	25.04	"	Spice.	"	52394

"	12	"	52394	Johnstone Walker, Ltd., Edmonton.	1½	"	30	Swift Canadian Co., Ltd., Ed- monton.	"	Brookfield	29	94	Spice...	"	52394
"	12	"	52395	Model Market, Edmon- ton.	1½	"	25	"	"	Pork, Superior Brand.	49	94	2 74	Maize...	52395
"	29	"	52396	Pepper & Co., Calgary.	1½	"	30	Vendors	"	Pork	49	76	5 19	Wheat.	52396
"	29	"	52397	P. Burns & Co., Calgary	1½	"	20	"	"	B-ef and pork, Standard Brand.	48	86	0 69	"	52397
"	29	"	52398	"	1½	"	30	"	"	Pure pork. Sham- rock brand.	37	68	"	Spice.	52398
"	29	"	52399	Robt. Burns & Co., Ltd., Calgary.	1½	"	25	"	"	Beef and pork	53	31	5 40	Maize..	52399
"	29	"	52400	Currie Bros., Calgary	1½	"	25	"	"	"	52	28	11 09	"	52400

DISTRICT OF ROCKY MOUNTAINS—THOS. PARKER, INSPECTOR.

Jan.	5	Sausages.	68135	P. Burns & Co., Nelson B.C.	1½	lb.	25	Vendors	"	"	55	98	1 17	Wheat.	Absent	68135
"	5	"	68136	"	1½	"	40	"	"	Cambridge	49	30	1 05	"	"	68136
"	5	"	68137	G. G. Peters, Nelson, B.C.	1½	"	40	Vendor	"	Pork	43	64	3 85	Maize.	"	68137
"	5	"	68138	"	1½	"	25	"	"	"	49	12	3 99	"	"	68138
"	5	"	68139	Lucia Meat Co., Nelson, B.C.	1½	"	25	Vendors	"	"	49	68	0 92	Maize..	"	68139
"	7	"	68140	J. H. Walkley, Cran- brook, B.C.	1½	"	25	Vendor	"	"	29	58	7 35	"	"	68140
"	7	"	68141	P. Burns & Co., Cran- brook, B.C.	1½	"	25	Vendors	"	"	51	46	1 01	Wheat.	"	68141
"	17	"	68163	P. Burns & Co., Ross- land, B.C.	1½	"	30	"	"	"	50	28	1 75	Maize.	"	68163
"	17	"	68164	Rossland Marke., Ross- land, B.C.	1½	"	25	"	"	"	48	74	0 45	Indefi- nite.	"	68164
Feb.	9	"	68182	F. Ceccant, Trail, B.C.	1½	"	30	Vendor	"	"	48	18	1 20	Maize..	"	68182

DISTRICT OF VANCOUVER—E. J. MORGAN, INSPECTOR.

Feb.	21	Sausages.	55510	P. Burns & Co., Ltd., Vancouver, B.C.	1½	lb.	25	Vendors	"	"	41	88	0 45	In-defi- nite.	Absent	55510
"	21	"	55511	Old Country Sausage Co., Vancouver, B.C.	1½	"	40	"	"	"	37	42	5 98	Wheat	"	55511
"	21	"	55512	Vancouver Prince Rupert Meat Co., Ltd., Van- couver, B.C.	1½	"	20	"	"	"	42	80	6 49	Indefi- nite.	"	55512
"	21	"	55513	"	1½	"	40	"	"	Tomato Flavour.	39	60	6 05	Rice...	"	55513

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Tomato pre-
sent.

