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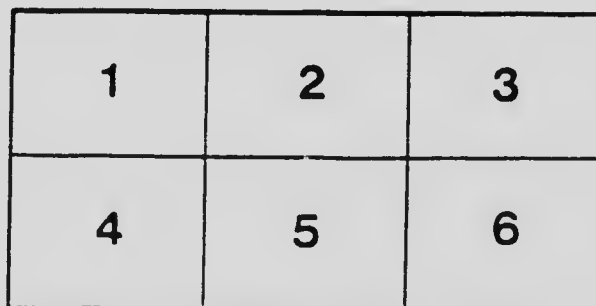
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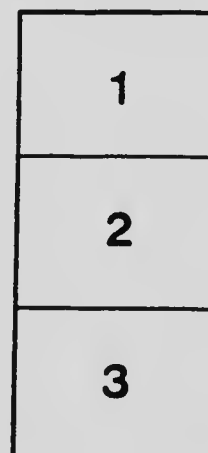
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LABORATORY

OF THE

INLAND REVENUE DEPARTMENT

OTTAWA, CANADA

BULLETIN No. 350

FEED FLOUR

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.

A. MCGILL,
Chief Analyst.

LABORATORY
OF THE
INLAND REVENUE DEPARTMENT
OTTAWA, CANADA

BULLETIN No. 350

FEED FLOUR

OTTAWA, November 2, 1916.

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

SIR,—I beg to hand you a report upon 170 samples of feeds, purchased under the name of Feed Flour.

This inspection has been rendered necessary in consequence of certain features of the operation of the Feeding Stuffs Act of 1909. These features were brought to your notice in my introductory letter published with Bulletin No. 311 (April, 1915). Briefly, the features are recapitulated as follows:—

Feeds which bear names of definite and distinctive character, are permitted to be sold without registration, because standards can be fixed for such feeds under Section 26 of the Feeding Stuffs Act.

The recognition of this class of feeds finds justification in the fact that all the smaller mills possess local markets for Bran, Shorts and Chop, as defined under our Act, and it is usual for farmers to buy direct from the mills. There is usually little or no accumulation of these feeds at the mill, the whole output being sold as produced. It would be an evident hardship were the miller required to keep distinct his product from each shipment of grain, and to furnish a guarantee of value with the sale. Such procedure would necessitate an increase in price to the consumer, and would not find favour with the farming community in whose interest the Act is framed. Experience gained since 1910 is decidedly favourable to recognition of a class of feeds of this kind; although the terms and standards fixed by Order in Council of May 1, 1911 (published as Circular G. 968) have been found to be unsatisfactory in several particulars.

Objections have been pointed out in Bulletins 254 and 311—and consequent upon these facts and others brought into notice through extended correspondence, it was considered desirable to invite comment by all parties interested, with a view to such amendment as might be found necessary.

In August of last year, a Circular (G. 1200) was extensively distributed through the kindness of the Canadian Manufacturers' Association, and through our own Food Inspectors.

Suggestions have been received from several of the larger milling companies and from a few of the smaller millers, but, upon the whole, it is felt that the subject has elicited less interest than its importance deserves.

Under the name of Special Shorts, or Choice Shorts, or Feed Flour or Low Grade Flour an article containing very nearly the same proteid and fat value as normal shorts, but a decidedly lower percentage of fibre, is offered. This variety is richer in starchy content than normal shorts, and is whiter in colour. Although its nutritive value is but slightly, if at all, higher than that of normal shorts, it commands a higher price, probably because of its appearance rather than for any other reason.

At a meeting of the Dominion Millers' Association held in Toronto on February 24, 1916, the present standards for the class of feeds now under consideration were discussed; and, among other business, a resolution was unanimously passed approving of the practical equivalency of the terms Shorts and Middlings, and recognizing the fairness of existing standards for this article.

It was however considered desirable and proper that an article generally known as Feed Flour, should be distinguished from Shorts; and the general impression prevailed that considerable latitude in the composition of this feed should be permitted. In order to obtain data for defining feed flour it was agreed that a collection of samples sold under this name should be made at an early date.

The samples herein reported were purchased in May and June of this year, for the purpose of establishing the nature of Feed Flour as sold in Canada.

Of 170 samples collected by our inspectors, under the name Feed Flour, 45 samples practically meet requirements for Shorts (Middlings) and must be regarded as such.

The outstanding feature in the article known as Feed Flour is its low content of fibre; and while frequently sold as Special Shorts or Choice Shorts, it is in reality a low grade flour. It usually commands a higher price than shorts proper, and appears to be regarded as superior to shorts, its superiority consisting in its whiter colour, its fineness, and its flour-like appearance. It usually shows a lower fat content than shorts, but its protein content is nearly equal to that of shorts.

It will be observed that I have excluded from the Feed Flour class all samples giving a higher fibre content than 2 per cent. From a large number of samples of flour examined by the Bureau of Chemistry, Washington, and reported in Bulletin 13, part 2, the following averages are taken:—

Patent Wheat flour (40 samples), crude fibre.	0.21 per cent.
Common Market flour (19 samples), crude fibre.	0.28 "
Bakers' and family (14 samples), crude fibre.	0.22 "
Mean.	0.24 "

In whole wheat flour, ground from the grain inclusive of its husk (bran) the crude fibre may amount to a little over 2 per cent; but all the samples now reported were evidently ground from the grain after removal of the bran; or the bran had been separated by bolting after grinding; and it is to a product closely resembling ordinary flour that the term Feed Flour is evidently intended to apply. Of the 125 samples now reported, 63 contain less than 1 per cent fibre; and 30 samples contain less than 0.5 per cent.

FAT CONTENT.

Between 1 and 2 per cent fat.	23 samples.
" 2 " 3 "	47 "
" 3 " 4 "	44 "
Above 4 per cent.	10 "

PROTEIN CONTENT.

Above 18 per cent protein.....	6 samples.
Between 17 and 18 per cent protein.....	6 "
" 16 " 17 "	21 "
" 15 " 16 "	23 "
" 14 " 15 "	26 "
" 13 " 14 "	15 "
" 12 " 13 "	18 "
" 11 " 12 "	5 "
" 10 " 11 "	3 "
Below 10 per cent protein.....	1 "

It is scarcely necessary to add that no vital weed seeds were found in any of these samples. The fineness of grinding precluded the possibility of this.

If it be asked whether in view of the data now reported, the Department would be justified in recognizing Feed Flour as a distinct article from Shorts or Middlings, I must confess to some hesitation in arriving at a decision.

If the point be conceded, it would seem reasonable to require Feed Flour to approximate in composition to ordinary flour, in which case the subjoined standards would apply::

Moisture.....	not to exceed 13.5 per cent.
Proteids.....	" less than 10.0 "
Fat.....	" " 1.0 "
Fibre.....	" more than 1.5 "

The suggested standards are based on the composition of flours of a low grade, such as might naturally be looked for in flour offered for sale as a cattle food. With a single exception (No. 5725) all the samples reported would meet such a standard.

The alternative mode of treating these feeds would be to require them to be marketed as registered feed, and sold on the basis of guaranteed value. Many of them so considerably exceed the minimum values suggested as standards for Feed Flours, that it would doubtless be to the advantage of the manufacturer to adopt this method, and sell them as registered feeds.

Whether or not the convenience to manufacturer and to consumer would outweigh the loss to the manufacturer incurred by selling as feed flour an article greatly exceeding suggested standard requirements for this article, is matter for the consideration of both parties.

I beg to recommend publication of this report as Bulletin No. 350.

I have the honour to be, Sir,

Your obedient servant,

A. MCGILL,
Chief Analyst.

BULLETIN No. 350—FEED FLOUR.

Date of Collection.	Nature of Sample.	No. of Sample.	Name and Address of Vendor.	Cwt.		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.	Cent.			Protein.	Fat.	Fibre.		

DISTRICT OF NOVA SCOTIA—R. J. WAUGH, INSPECTOR.

1916,												
June 28	Feed Flour..	54281	A. A. Shortcliffe, Digby, N.S.	3 lb..	8	Lake of the Woods M. Co., Keewatin, Ont.	Mrs. Smith Broker, ags. St. John, N.B.	16.76	4.46	3.76	54281	Middlings. Gen- uine.
July 7	"	54282	J. B. Young, Lunenburg, N.S.	3 "	10	Maple Leaf M. Co., Toronto.	"	15.23	3.48	1.35	54282	
"	"	54283	Zwicker & Co., Lunenburg, N.S.	3 "	Nil	Canada Cereal and F. M., Ltd., Galt, Ont.	"	15.89	4.24	2.28	54283	Middlings. Gen- uine.
"	"	54284	H. S. Hall, Bridgewater, N.S.	3 "	10	Maple Leaf M. Co., Chatham, Ont.	"	14.66	3.28	1.24	54284	
"	"	54285	E. Walfield, Bridgewater, N.S.	3 "	Nil	J. J. Goldie, Guelph, Ont.	"	12.82	3.82	3.08	54285	Middlings. Pro- ceeds low.

DISTRICT OF PRINCE EDWARD ISLAND—JOHN C. FERGUSON, ACTING INSPECTOR.

June 13	Feed Flour..	69471	Sinclair & Stewart, Ltd., Summerside, P.E.I.	3 lb..	10	Woodburn M. Co., Ltd., Glenora, Ont.	Marble Brand	13.08	2.38	0.86	69471	
"	"	69472	"	3 "	10	Quaker Oats Co., Peterboro', Ont.	Red Dog Brand.	15.66	3.14	3.16	69472	Middlings. Gen- uine.
"	"	69473	"	3 "	10	The T. H. Taylor Co., Chatham, Ont.	Vic Brand	13.87	3.10	1.32	69473	
"	"	69474	G. W. Robinson, Summerside, P.E.I.	3 "	10	Vendor		11.81	1.92	1.38	69474	

" 13	"	69474	G. W. Robinson, Summer side, P.E.I.	10	Vendor	Ont.	Chatham, Co.	11.81	1.92	1.32	69474
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" 13	"	69475	R. T. Holman, Ltd., Summerside, P.E.I.	10	The Canadian Flour Co., Chatham, Ont.	Quaker Oats Co., Peterboro, Ont.	Maple Leaf Flour Co., Ltd., Toronto.	Crown Brand	13.45	2.12	1.32	69475
" 14	"	69476	"	20	"	"	"	Other	12.60	1.96	0.56	69476
" 21	"	69477	Carter & Co., Ltd., Charlottetown, P.E.I.	15	"	"	"	Ideal	14.70	3.28	1.36	69477

DISTRICT OF NEW BRUNSWICK—JOHN C. FERGUSON, INSPECTOR

May 18	Feed Flour..	69421	Ira B. Kierstead, St. John, N.B.	3 lb.	10	Camptell F. M., Peterboro, Ont.	Woodburn M. Co., Glencoe, Ont.	13.12	2.06	1.20	69421	
" 18	"	69422	James Stephenson & Son, St. John, N.B.	3 "	10	"	"	13.04	2.10	1.08	69422	
" 18	"	69423	P. Nasse & Son, St. John, N.B.	3 "	9	Ogilvie M. Co., Ltd., Montreal	"	16.32	4.44	3.68	69423	Middlings, Gen. use.
" 18	"	69424	"	3 "	16	"	"	16.84	4.36	1.92	69424	
" 18	"	69425	M. Alary & Co., St. John, N.B.	3 "	15	Lake of the Woods M. Co., Ltd., Keewatin, Ont.	Robin Hood Mills, Moosejaw.	16.63	4.66	3.04	69425	Middlings, Gen. use.
" 25	"	69426	John Gibson & Son, Fredricton, N.B.	3 "	15	"	"	15.62	3.52	1.16	69426	
" 29	Middlings	69427	J. L. White, Grand Falls, N.B.	"	10	Western Canada F. M., Winnipeg.	Maple Leaf M. Co., Toronto.	15.84	4.56	4.12	69427	Middlings, Gen. use.
June 7	Feed Flour..	69428	Fawcett M. Co., Moncton, N.B.	3 "	15	"	"	16.80	4.74	2.66	69428	
" 7	"	69429	J. H. Steeves, Moncton, N.B.	3 "	15	Domination F. M., Montreal.	"	15.62	3.34	2.00	69429	
" 7	"	69430	Reed & Co., Moncton, N.B.	3 "	15	Quaker Oats Co., Ltd., Peterboro.	"	14.26	2.84	0.32	69430	

DISTRICT OF QUEBEC CITY—F. X. W. E. BELAND, INSPECTOR

May 16	Gru Blanc.	56721	J. N. Rondeau, Lachine, Quebec.	3 lb.	15	"	S. Bussiere	13.56	4.06	4.56	56721	Middlings, Below standard.
" 19	"	56722	Joa. Côté, St. Anselme, Quebec.	3 "	10	"	Begin Frere	13.45	3.86	0.46	56722	
" 19	"	56723	Nap. Bertrand, 685 St. Valier, Quebec.	3 "	6	"	A. L. Brown, Toronto.	13.65	4.56	6.34	56723	Middlings, Below standard.
" 19	"	56724	J. E. Drolet, 143 du Pont, Quebec.	3 "	10	"	Kironac Fils.	18.29	3.14	1.64	56724	
" 19	"	56725	E. Savard, du Pont et de la Reine, Quebec.	3 "	6	"	J. B. Renaud & Cie.	14.91	5.25	6.14	56725	Middlings, Gen. use.

May 1	Gru Blanc..	4332 F. Laroche, St. Philé- mon.	3 "	8	"	"	15.1	2.92	1.23	4334
"	"	4334 A. Noël, Armagh.	3 "	8	"	"	15.8	2.87	1.01	4334
"	"	"	3 "	8	"	"	15.8	2.87	1.01	4334
"	"	"	3 "	8	"	"	15.8	2.87	1.01	4334
April 26	Gru Blanc..	391 Chas. Tailon, St. Jérôme, P.Q.	3 "	5	E. A. Barry	"	12.4	3.62	6.08	391
May 16	"	5715 J. L. Lacasse, Ste. Adèle.	3 "	5	Dominion F. M. Co.	"	16.7	4.84	2.99	5715
"	16 Farine Ali- mentaire.	5716 Edmond Brousseau, St. 3 Sauveur des Monts.	3 "	15	Ogilvie's, Montreal	"	12.2	1.06	0.05	5716
"	16 "	5717 J. L. Lacasse, Ste. Adèle.	3 "	15	St. Lawrence.	"	13.4	1.31	0.06	5717
"	16 "	5718 J. A. Lejeunesse, St. Adèle.	3 "	12	Ogilvie's.	"	12.6	1.47	0.62	5718
"	25 "	5725 Jos. Godor, Mont Rolland	3 "	15	Laporte, Martin Ltd.	"	8.3	1.00	0.04	5725
"	8 Gru Blanc..	72253 A. Boulet, Montmagny.	3 "	12	Maple Leaf M. Co., Peterboro, Ont.	"	16.4	3.82	1.57	72253
"	10 "	72257 O. Carboneau, Berthier.	3 "	12	"	"	16.0	3.34	0.40	72257
"	16 "	72267 E. Oullette, Cap St. Ignace	3 "	60	Carrier & Fils, Quebec.	"	16.3	3.18	1.51	72267
"	1 Feed Flour.	4517 J. P. Legrand, Papebiac.	3 "	15	F. Kirouac, Quebec.	"	12.51	4.02	1.00	4517
"	1 "	4972 Le. Bontallier Bros. Co., New Carlisle.	3 "	9	Canadian F. M. Co., Chatham, Ont.	"	15.84	3.14	1.96	4972

Middlings. Below
standard in pro-
tein.
Middlings. Gen-
uine.

DISTRICT OF THREE RIVERS—DR. V. P. LAVALLEE, INSPECTOR.

April 25	Feed Flour.	69294 Louis Pauzé, L'Assomp- tion.	3 lbs.	9	"	Hudon Orsali, Montreal.	16.1	3.12	0.83	69294
"	29 "	69296 J. A. Bellerose, St. Félix	3 "	10	Ogilvie F. M. Co., Montreal.	"	15.7	3.60	0.51	69296
"	29 "	69296 Geo. H. Read, St. Félix	3 "	6	"	"	16.1	3.30	0.17	69296
May 3	"	5413 Pagné Perrault, Joliette.	3 "	15	Campbell F. M. Toronto.	"	14.58	2.87	1.33	5413
"	3 "	5415 J. A. Jubinville, Joliette.	3 "	10	"	"	16.2	5.20	7.60	5415
"	6 "	5416 J. Robert, St. Gabriel	3 "	20	Western Canada F. M. Co., Toronto.	"	12.8	2.26	1.07	5416
"	6 "	5418 J. N. Provost, St. Gabriel	3 "	15	Lake of the Woods F. M. Co., Mon- treal.	"	13.8	4.13	2.27	5418

Middlings. Gen-
uine.

Middlings. Pass.

DISTRICT OF MONTREAL—D. J. KEARNEY, INSPECTOR.

May 18	Feed Flour..	67671	O. Crevier, St. Laurent, P.Q.	2 lb..	5	.....	Quintal & Lynch, G. McCall.	.....	16.4	2.00	1.34	67671
" 25	"	67672	Bureau, Currie & Co., Montreal.	2 "	NIL	.....	loch & Sons, Robin Houd	.....	14.4	2.80	0.22	67672
June 5	"	67673	W. L. Hogg, Montreal	2 "	"	.....	M. Co.	.....	18.4	3.24	0.57	67673
" 5	"	67674	Senecal & Frère, 1341 Notre Dame St. E., Montreal	2 "	"	.....	J. E. Hunsicker.	.....	18.0	3.06	0.56	67674
" 6	"	67675	W. Lamare & Co., 630 Atwater Ave., Montreal	2 "	"	.....	T. W. Reford & Co.	.....	11.4	1.68	0.55	67675
" 6	"	67676	James Scott & Co., Montreal	2 "	"	.....	Unknown	.....	18.1	3.21	1.68	67676
" 12	"	67677	E. W. Caron, Montreal	2 "	"	.....	Bruneau & Currie Co., Ltd.	.....	14.1	2.27	1.38	67677
" 16	"	67678	Lake of the Woods M. Co., Montreal	2 "	"	Vendors	.....	.....	16.6	3.46	2.43	67678
" 16	"	67679	F. Gobeille, Montreal	2 "	"	"	.....	.....	16.7	3.74	1.12	67679
" 16	"	67680	E. A. Barry, 551 St., Montreal	2 "	"	Vendor	.....	.....	14.3	2.26	0.25	67680

Middlings, Gen-
nine.

DISTRICT OF VALLEYFIELD—J. J. COSTIGAN, ACTING INSPECTOR.

May 9	Feed Flour..	67711	O. Menard, Hawkebury, Ont.	3 lbs.	10	St. Lawrence F. M. Co., Ltd.	.....	.....	15.4	1.66	0.67	67711
" 9	"	67712	D. Sward, Hawkebury, Ont.	3 "	10	Geo. McCullough & Son.	.....	.....	15.8	3.31	2.82	67712
" 9	"	67713	" " "	3 "	10	.....	.....	.....	14.6	2.38	0.87	67713
" 16	"	67714	J. O. Oatigny, Adamsville, P.Q.	3 "	10	Canadian C. and F. Co., Ayr, Ont.	.....	.....	15.4	3.22	3.30	67714
" 16	"	67715	" " "	3 "	10	.....	St. Lawrence	.....	16.1	3.18	0.15	67715
" 22	"	67716	C. W. Smiley, St. Lambert, P.Q.	3 "	10	Pembroke M. Co.	.....	.....	14.8	1.98	0.23	67716
" 22	"	67717	H. Achin, St. Lambert	3 "	10	.....	E. W. Caron, Montreal	.....	14.7	1.78	0.13	67717
" 26	"	67718	R. J. McDougall, Lancaster, Ont.	3 "	10	Ogilvie F. M. Co., Ltd.	.....	.....	16.5	3.12	0.33	67718
" 26	"	67719	" " "	3 "	10	Lake of the Woods Co., Ltd.	.....	.....	16.0	3.42	0.39	67719
" 26	"	67720	Sangster & McCuaig, Ramsville, Ont.	3 "	10	Ellison M. and E. Lethbridge, Alta.	.....	.....	13.8	3.28	1.68	67720

Middlings, Gen-
nine.

Middlings, Gen-
nine.

BULLETIN No. 350—FEED FLOUR.

Date of Collection.	Nature 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.	Centre.	Manufacturer.	Furnisher.		Protein.	Fat.	Fibre.		

DISTRICT OF OTTAWA—J. A. RICKEY, INSPECTOR.

1916.												
April 22	Feed Flour.	73123 The Pembroke M. Co., 3 lbs.	Nil	Nil	Vendors							
" 24	"	73128 Pembroke, Ont. Smith's 3 "	"	"	"							
" 25	"	73130 Western Canada F. M. 2 1/2 "	5	"	"							
" 25	"	73131 The Renfrew F. M. Ltd., 3 "	Nil	Nil	"							
" 27	"	73145 A. Bergevin, 207 Dal-3 "	10	10	Lake of the Woods M. Co., Keewatin.							
May 10	"	63687 Lake of the Woods M. 3 "	Nil	Nil	Vendors							
" 9	"	63597 Wm. Scott & Co., Des-3 "	"	"	"							
" 10	"	51691 Ogilvie M. Co., Ottawa.. 3 "	"	"	"							
" 10	"	51692 Lake of the Woods M. 3 "	"	"	"							
" 10	"	73501 D. Martin, Rideau St., 3 "	"	"	Maple Leaf M. Co., Ottawa.							

DISTRICT OF KINGSTON—J. A. RICKEY, ACTING INSPECTOR.

May	2 Feed Flour.	73158 Kingston M. Co. Kings-3 lb.	Nil	Nil	Vendors							
" 2	"	73159 Maple Leaf M. Co., Kings-3 "	"	"	"							

"	"	73169	W. F. McBrown, Kings- ton.	3 "	"	Western Canada, F. M. Godorich, Peterboro.	Red Dog Brand.	16.7	4.58	2.20	73160	Middlings. Gen- uine.
"	"	73161	"	3 "	"	Quaker Oats Co., Peterboro.	"	15.1	2.36	2.22	73161	Middlings. Fat, slightly low.
"	"	73167	The Hanley Netterville Co., Belleville.	3 "	10	Robin Hood M. Co Moosejaw.	Red Dog Pro- tein 16.75, Fat 2.60, Fibre 1.50, Nitrogen Free Extract 26.80.	16.4	4.98	1.17	73167	"
"	"	73183	The Campbell F. M. Co., Lod., Peterboro.	3 "	Nil.	Vendors	"	14.8	2.44	1.99	73183	"
"	"	73184	Peterboro Cereal Co., Peterboro.	3 "	"	"	Dawson.	1.7	3.03	0.77	73184	"
"	"	73187	"	3 "	"	"	Dawson Fall Wheat.	12.6	2.44	1.28	73187	"
"	"	73192	McKlejohn & Russell, Campbellford, Ont.	3 "	5	Lake of the Woods M. Co.	"	17.2	5.38	4.49	73192	Middlings. Gen- uine.
"	"	73193	John Harris, Camp- bellford, Ont.	3 "	"	"	"	17.2	4.71	2.70	73193	Middlings. Gen- uine.

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

May	9	Feed Flour.	72784	The Western Canada F. M. Co., Ltd., Toronto.	3 "	5	Vendors	16.3	2.85	2.47	72784	Middlings. Gen- uine.
"	9	"	72785	Lake of the Woods M. Co., Toronto.	3 "	"	"	16.7	3.58	3.55	72785	Middlings. Gen- uine.
"	10	"	72786	The Alexander Brown M. Co., Ltd., Toronto.	3 "	8	"	14.4	3.7	3.28	72786	Middlings. Gen- uine.
"	10	"	72787	The Ogilvie F. M. Co., Toronto.	3 "	"	Imperial.	16.1	2.99	1.30	72787	"
"	10	"	72788	The Campbell F. M. Co., Ltd., West Toronto.	3 "	Nil.	"	14.7	2.98	1.50	72788	"
"	11	"	72789	W. H. Bies, Newmarket. Ltd., West Toronto.	3 "	5	Beaver Mills, New- market.	10.2	1.68	0.78	72789	"
"	11	"	72790	A. Howard, Newmarket.	3 "	10	F. Robinson	11.6	2.90	0.23	72790	"
"	16	"	72791	J. L. Spink, Ltd., Pick- ering.	3 "	Nil.	Vendors.	11.1	2.60	0.37	72791	"
"	16	"	72792	R. W. Dixon, Oshawa.	3 "	5	Vendor.	17.6	1.98	0.65	72792	"

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

May	18	Feed Flour.	72825	The Maple Leaf M. Co., Ltd., St. Catharines.	3 lb.	Nil	Vendors.	16.5	2.44	1.78	72825	"
"	18	"	72826	Jameson, Black & Son, St. Catharines.	3 "	"	"	10.5	2.86	0.75	72826	"

BULLETIN No. 350—FEED FLOUR.

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

DISTRICT OF HAMILTON—Concluded.

1916.												
May 20	Feed Flour.	72827	The Jas. Dunlop Co., Ltd., 127 John st., South Hamilton.	3 lb.	Nil	R. A. Thompson, Lynden.						
" 20	"	72828	The Wood M. Co., Park st., N. Hamilton.	3 "	5	Vendors.						
" 23	"	72829	Wood Bros., 238 Colborne st., Brantford.	3 "	Nil	"						
" 25	"	72830	Geo. E. Taylor, Paris.	3 "	5	Tavistock M. Co., Tavistock.						
" 25	"	72831	Struthers & Church, 873 Main st., Galt.	3 "	10	S. J. Chenis, M. Co., Preston.						
" 25	"	72832	Canadian Cereal F. M. Co., Galt.	3 "	Nil	Vendors.						
" 26	"	72833	John Kennedy, 136 King st., E. Berlin.	3 "	5	Shern Snider, Bridgeport.						
" 26	"	72834	Wm. Snider, M. Co., Ltd., Waterloo, Ont.	3 "	Nil	Vendors.						

DISTRICT OF WINDSOR—JOHN TALBOT, INSPECTOR.

May 18	Feed Flour.	64972	Canada F. M. Co., Chatham, Ont.	3 lb.	Nil	Vendors.						
" 18	"	64973	T. H. Taylor Co., Ltd., Chatham.	3 "	"	"						
" 22	"	64983	Adams & Tanton, London, Ont.	3 "	5	D. Lampert, Oil Spring.						
" 22	"	64986	Jas. Twitcher, London, Ont.	3 "	5	Canada F. M. Co., Chatham.						

Genuine.

"	22	"	"	64986	Lea, Twitcher, London, Ont.	3	"	5	Spring, Canada F. M. Co., Chatham.	13 0	2 16	0 76	64986
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"	22	"	"	64987	Reid & Marshall, London, Ont.	3	"	6	Empire M. Co., St. Thomas.	15 2	3 91	1 33	64987
"	23	"	"	64988	Weir & Weir, St. Mary's, Ont.	3	"	"	Nil	16 0	3 90	1 62	64988
"	23	"	"	64990	St. Mary M. Co., St. Mary's, Ont.	3	"	"	" Vendors	12 9	1 94	1 24	64990
"	25	"	"	64994	Lea & Tulbot, London, Ont.	3	"	6	Canada F. M. Co., Chatham.	12 5	1 91	1 09	64994

DISTRICT OF MANITOBA—J. B. COSGROVE, TEMPORARY INSPECTOR.

May	1	Feed Flour.	71811	Maple Leaf M. Co., Brandon, Man.	5 lb.	"	Nil	Vendors	16 19	4 64	2 25	71811	Middlings. Genuine.
"	1	"	71812	Western Canada F. M. Co., Brandon, Man.	5	"	"	"	14 13	2 14	1 70	71812	"
"	3	"	71814	Melita F. M. Co., Melita, Man.	5	"	"	"	17 28	4 40	2 65	71814	Middlings. Genuine.
"	4	"	71816	Wm. Harrison, Homefield, Man.	5	"	"	Vendor	13 74	1 32	0 45	71816	"
"	5	"	71818	Turtle Mountain M. Co., Boissevain, Man.	5	"	"	Vendors	16 27	2 62	1 70	71818	"
"	6	"	71820	Allan Snider, Killarney, Man.	5	"	"	Vendor	14 22	2 55	1 00	71820	"
"	6	"	71822	Deloraine M. Co., Deloraine, Man.	5	"	"	Vendors	15 44	2 94	0 65	71822	"
"	8	"	71823	George McCullouch & Sons, Souris, Man.	5	"	"	"	15 14	2 94	1 35	71823	"
"	17	"	71826	W. J. J. F. M. Co., Holland, Man.	3	"	"	"	13 21	2 44	0 80	71826	"
"	18	"	71827	Carman R. Mills, Carman, Man.	3	"	"	"	12 77	2 08	0 70	71827	"

DISTRICT OF SASKATCHEWAN—J. H. HALL, TEMPORARY INSPECTOR.

April 28	Feed Flour.	71583	Outlook F. M. Co., Outlook, Sask.	3 lb.	"	Nil	Vendors	14 04	4 12	1 65	71583	"
May 11	"	71586	Speirs, Mifton & Co., Saskatoon, Sask.	3	"	"	Quaker Oats M. Mfrs. Co., Saskatoon.	10 67	3 42	2 40	71586	Middlings. Genuine.
" 15	"	71591	The Capital City F. M. Co., Regina, Sask.	3	"	"	Vendors	14 04	2 32	0 50	71591	"
" 18	"	71583	Robin Hood M. Ltd., Moose Jaw, Sask.	3	"	"	"	15 67	3 92	0 70	71583	"

BULLETIN No. 350—FEED FLOUR.

Date of Collection.	Nature of Sample.	No. of Sample.	Name and Address of Vender.	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.		Protein.	Fat.	Fibre.		

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

1916.	June 13	Feed Flour.	52467	J. E. Love, Calgary.....	3 lb..	Nil.	Western Canada F. M., Ltd., Calgary.	Samson	17.89	2.32	1.25	52467	
	" 15	"	52468	Western Canada F. Co., Calgary.	M. 3 "	"	Vendors.....	.....	15.68	3.30	3.50	52468	Middlings
	" 15	"	52469	Western Canada F. Co., Calgary.	M. 3 "	"	"	Samson.....	15.96	2.66	1.20	52469	Genuine.
	" 15	"	52470	Robin Hood M., Ltd., Calgary.	3 "	"	"	Red Dog	16.01	3.60	0.95	52470	

DISTRICT OF ROCKY MOUNTAINS—THOS. PARKER, INSPECTOR

May 12	Feed Flour.	68227	Cranbrook Trading Co., Cranbrook, B.C.	3 lbs..	15	Western Canada F. M. Co., Calgary.	.....	.....	16.35	3.94	1.90	68227	
" 12	"	68234	Ira R. Manning, Cranbrook, B.C.	3 "	15	" .....	.....	.....	14.80	2.46	1.05	68234	

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

June 13	Feed Flour.	55617	Brachman Ker M. Co., Ltd., Vancouver.	3 lbs..	Nil.	Western Canada F. M. Co., Calgary.	.....	Prov. 16.23, fat 3.90, fibre 3.20	15.75	1.28	3.20	55617	Registered Slightly below standard.
" 13	"	55618	Vancouver M. and Grain Co., Ltd., Vancouver.	3 "	"	Vendors.....	.....	.....	14.50	2.14	1.10	55618	

" 13 "	" 15 "	" 15 "	" 20 "
55619 A. E. Burnett & Co., 322 1/2 Main St., Vancouver.	55620 Vernon Feed Co., 215 1/2 Broadway E., Vancouver	55621 Mainland F. S. & C. M., 975 Main St., Vancouver	55622 McLellan & McCarter Co., Ltd., 1605 6th Ave. W., Vancouver.
5 Robin Hood M. Co., Moosejaw, Sask.	Nil.	5 Quaker Oats Co., Saskatoon.	5 Ellison M. & E. Co., Lethbridge, Alta.
Sold as flour middlings, 17-5, fat 40, fibre 5-10, Prot. 16-75, fat 2-60, fibre 1-50. Nitrogen free extract = 66%.			
18-90	16-10	15-90	13-60
1-00	1-48	1-24	1-38
3-47	0-81	3-80	1-06
55619	55620	55621	55622
Middlings low.		Middlings low.	
Fat		Fat too low.	

