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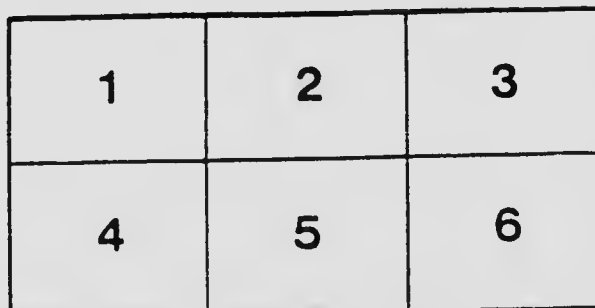
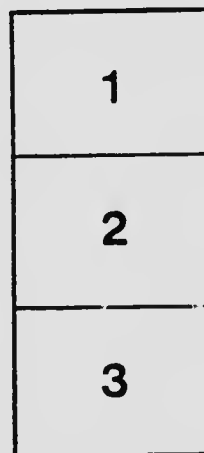
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O. H. M. S.

W. J. Gerald
Deputy Minister.

LABORATORY
OF THE
INLAND REVENUE DEPARTMENT
OTTAWA, CANADA
BULLETIN No. 116.
CATTLE FEED AND STOCK FOOD

LABORATORY
OF THE
INLAND REVENUE DEPARTMENT

OTTAWA, CANADA

BULLETIN No. 116.

CATTLE FEED AND STOCK FOOD

OTTAWA, March 16, 1906.

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

SIR,—Referring to your letter of instructions dated November 16, 1905, I beg now to report regarding the samples of cattle and other feeding stuffs the collection of which was then authorized. As you informed me the collection of the samples was desired by the Department of Agriculture and the Ontario Agricultural College with the view of ultimately legislating as regards their sale or establishing 'limits of variability,' and perhaps standards, according to which such feeding stuffs might be judged. The inspection and analysis of these are of course included in the administration of the Adulteration Act according to which the expression 'food' includes every article used for food or drink by man or by cattle.

Table I appended to this report contains a description of 127 samples of feeding stuffs collected in the different Inland Revenue districts as follows:—

Nova Scotia	9 samples	New Brunswick	9 samples.
Prince Edward Island	12 "	Quebec	16 "
Montreal	17 "	Ottawa	21 "
Kingston	12 "	London	17 "
Calgary	4 "	British Columbia	10 "
		Total 127 samples.	

The source of all these samples is given in the table as well as the results of the microscopical and chemical examinations. Among the latter will be found all the determinations usually made in analysing feeding stuffs. To these are added the percentages of extract by 92 per cent hot alcohol and by water after alcohol. By using these it has been found possible to give, by difference and approximatively, the percentage of starch present.

It will be observed that these feeding stuffs are sold under very diverse names, a circumstance which renders their inspection a difficult matter. In order to enable discriminations to be made as regards their characters and values I have made an attempt

to arrange them in different groups, according to their names, and giving at the same time the percentages of those of their constituents which are usually considered the most important in judging of their quality. I have placed the more concentrated feeding stuffs first among the groups, and in these the various samples are arranged in the order of their value according to the index furnished by the total proteids, beginning with those highest in that percentage. In order to ascertain any further particulars as regards the individual samples thus placed in juxtaposition, their serial numbers are given by means of which their descriptions may be found in the general table (I).

No. of Sample.	Name.	Serial Number	Total proteids per cent.	Fat per cent.	Crude Fibre per cent.
28537	Oil cake meal	86	36.00	4.60	9.00
24120	" "	12	34.40	1.24	8.60
24791	" "	41	33.37	6.32	10.60
24796	" "	45	32.37	2.22	8.68
28256	" "	27	31.94	3.76	8.10
24793	" "	42	31.50	2.32	7.06
28235	" "	19	31.25	7.68	8.30
28615	" "	117	31.06	8.08	10.40
24794	" "	43	30.62	1.52	7.18
24795	" "	44	30.62	2.72	6.00
22448	" "	105	30.19	5.48	12.10
28466	" "	127	30.13	6.52	10.25
28465	" "	80	30.06	0.44	9.70
28259	" "	29	29.55	6.24	7.20
24787	" "	38	29.31	4.20	9.75
29064	" "	51	28.87	7.28	11.00
26893	" "	61	28.06	12.48	10.00
22455	" "	110	27.31	4.92	10.35
24789	" "	39	27.18	6.64	6.60
24797	" "	46	27.12	5.52	7.50
22442	" "	99	26.24	4.12	13.50
28260	" "	30	25.88	8.52	3.85
28539	" "	87	25.06	8.40	12.50
22458	Ground flax meal	113	22.56	4.44	10.60
28466	Linseed meal	81	21.19	7.80	22.75
28535	Oil cake meal	85	11.56	1.84	7.50
28650	Cocoanut oil cake	124	10.98	13.40	13.05
Average of the foregoing 27 samples			27.94	5.39	
26882	Gluten meal	60	33.68	1.80	5.50
28467	" "	82	20.21	0.40	4.00
Average of the foregoing 2 samples			26.94	1.10	
28463	Calf meal	78	23.25	2.36	5.40
28469	Bibbys cream	84	13.94	5.28	3.95
28464	Bibbys calf feed	79	13.81	3.00	4.05
Average of the foregoing 3 samples			17.00	5.32	
26866	Shorts	51	19.25	3.56	8.80
25412	" "	33	17.94	5.60	8.95
28454	" "	69	17.18	3.20	8.30
25494	" "	35	16.19	5.44	6.95
28043	" "	119	15.75	2.76	9.25
28452	" "	67	15.37	3.40	7.10
26873	" "	55	14.87	4.12	9.35
28453	" "	68	14.56	3.32	6.65
28665	" "	50	14.00	3.40	10.70
Average of the foregoing 9 samples			16.12	3.87	

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No. of Sample.	Name.	Serial Number	Total proteids per cent.	Fat per cent.	Crude Fibre per cent.
24127	Middlings	15	14.50	2.36	8.05
24455	Low grade flour	70	13.62	1.54	1.69
27126	Middlings	7	12.68	3.08	8.60
	Average of these 3 samples		13.60	2.33	
28064	Bran	128	17.06	4.40	6.80
25411	"	32	15.75	4.52	9.30
22434	"	97	15.75	2.80	12.00
24133	Wheat bran	17	15.31	2.40	12.50
22451	Bran chop	108	15.25	3.16	12.65
25493	Bran	37	15.13	4.32	7.75
22457	"	112	14.63	2.68	9.90
28253	"	25	14.50	2.16	9.00
28459	"	65	14.00	1.32	11.30
28552	"	94	14.00	2.96	13.50
28610	"	114	13.63	1.60	10.75
28544	"	90	13.53	3.20	14.00
28451	Bran	66	13.56	1.48	12.25
28546	"	92	13.56	2.68	12.25
22456	"	111	13.56	2.04	10.00
27120	"	3	13.37	2.92	9.40
22444	"	101	13.12	1.84	12.50
24118	"	19	13.10	2.08	8.00
28244	"	23	12.94	2.36	9.15
28254	"	26	12.75	1.20	8.80
28041	"	18	12.25	2.12	10.50
26863	"	48	12.68	2.60	13.60
28252	"	24	12.12	1.72	11.50
28867	"	52	12.06	2.28	11.65
28541	"	80	11.87	2.40	11.75
28540	"	88	11.81	2.72	14.00
27117	"	1	11.18	2.20	9.60
27125	"	6	11.12	2.20	15.50
28449	"	64	11.00	1.28	12.30
	Average of the foregoing 29 samples		13.47	2.47	
26876	Moulee	58	15.75	2.28	8.50
25493	"	34	12.31	3.60	6.85
26894	"	62	11.81	1.72	5.00
26864	"	49	11.06	2.48	16.75
	Average of the 4 preceding samples		12.73	2.37	
28458	Horse and cattle feed	73	21.25	1.72	5.24
22447	"	104	20.94	5.44	9.25
22445	"	102	15.31	2.84	15.75
24790	Kennedy's cattle feed	40	14.87	2.16	2.25
28613	Cattle feed	116	14.06	0.96	10.20
22446	Horse and cattle feed	103	12.37	2.00	7.80
26875	Grain feed	57	12.25	2.60	9.00
28459	Pratts horse and cattle feed	74	11.50	2.32	5.35
26860	Horse feed	47	10.25	2.20	7.80
24128	Cattle feed	16	8.75	2.24	7.70
24134	"	18	8.75	1.92	3.75
27118	"	2	8.37	2.20	8.85
28468	"	83	8.31	2.60	7.40
26885	Banner brand cattle feed	63	7.87	2.16	9.50
	Average of the 14 preceding samples		12.49	2.38	

No. of Sample.	Name.	Serial Number	Total proteids per cent.	Fat per cent.	Crude Fibre per cent.
28611	Oat chop	115	11.43	1.88	6.95
22454	Chopped oats	109	11.25	2.48	10.78
26872	Crushed oats	54	11.06	4.48	10.65
	Average of 3 preceding samples.....		11.24	2.94	
28456	Corn and oat meal.....	71	15.37	1.52	10.25
24129	Cracked corn and oats.....	13	10.93	2.92	5.71
24139	" "	14	9.63	2.72	7.55
27121	Corn and oat feed.....	4	7.19	2.24	12.70
	Average of 4 preceding samples.....		10.78	2.35	
22443	Chop corn.....	100	13.12	2.48	4.50
22449	Corn chop.....	106	10.06	2.32	3.55
26874	Corn meal feed.....	50	8.75	3.12	1.50
26871	Cracked corn.....	53	7.87	2.00	3.00
25495	Corn meal feed.....	36			
	Average of 5 preceding samples.....				
26877	Barley meal.....	59	11.37	1.60	8.25
22450	Barley chop.....	107	9.19	1.40	6.60
	Average of 2 preceding samples.....		10.28	1.50	
24119	Chop feed.....	11	14.90	2.60	4.05
28563	"	96	11.93	1.72	12.50
28051	"	125	11.80	2.40	7.00
28047	Creamery chop.....	123	11.50	2.40	3.35
28257	Chop feed.....	28	11.00	1.60	7.25
28553	"	95	10.93	0.60	6.25
27128	"	9	10.62	2.48	7.50
27545	"	91	10.62	3.12	9.50
27127	"	8	10.50	1.84	8.70
28550	"	93	10.50	1.52	12.50
28044	Standard chop.....	120	10.31	2.52	8.25
28237	Chop feed.....	21	9.81	1.88	10.45
22435	Corn chop.....	98	8.75	2.00	5.00
28046	Barley chop.....	122	8.69	2.04	5.85
27124	Chop feed.....	5	8.31	1.88	5.50
28238	"	22	8.25	2.08	5.75
28045	Dairy chop.....	121	8.13	1.20	14.60
28457	Mixed chop.....	72	7.00	0.00	2.65
28236	Chop feed.....	20	5.87	1.04	10.80
	Average of the 19 preceding samples.....		9.97	1.78	
28460	Provender	75	10.56	1.00	3.28
28462	"	77	7.25	1.20	11.00
28461	"	76	6.50	1.52	6.20
	Average of 3 preceding samples.....		8.10	1.24	

From the foregoing list it will be perceived that there is generally a wide variation in the quality of the different samples belonging to the same group of feeding stuffs. Beginning with oil cake meal, the proteids range from 21.19 to 36.00 and the fat from 0.44 to 8.52 per cent. Much of this difference is due to the different methods of manufacturing, but the microscopical examination shows in some cases the presence of foreign substances. The latter circumstance it is possible in two instances (Serial Nos. 85 and

87) to characterise as adulteration. The average percentage of proteids in the oil cake meal is 27.94 which is quite low. In Massachusetts, to be of *standard quality*, 'new process linseed meal' should contain 38 per cent protein and 2 per cent fat; 'old process' 32 per cent protein and 6 per cent fat. Of the 27 samples described in Table I not more than two or three could come up to these standards. According to the report of the Departmental Committee appointed by the Board of Agriculture in England to inquire into the adulteration of fertilizers and feeding stuffs it has become a general habit among farmers to use the term oil cake as synonymous with linseed cake, and the terms 'mixed' or 'compound' cake is recommended for all others. The next two groups, gluten meal and calf feed, show differences also, but without a legal definition or manufacturers guarantee it is impossible to say whether or not they are adulterated. The Massachusetts standard for gluten meal is 35 per cent protein and 2 per cent fat. It is reasonable to assume that shorts, middlings and bran are all by products from the milling of wheat, and that the presence of other grain products in them is inadmissible. Nevertheless an admixture of oats has been detected in some of the samples examined. In the present state of the question, however, it does not seem possible to follow these up as cases of adulteration. As regards bran the percentage of total proteids only varies from 11 to 15.75, so that it would seem reasonable to come to a decision as to what the 'limits of variability' or 'margins of fluctuation' in the case of bran ought to be. The Massachusetts standard for bran is 15 to 17 per cent of protein and 4.5 per cent fat.

With regard to the starchy feeds enumerated in Table I, I cannot find such name as cattle feed, moulée or chop feed defined in the Massachusetts bulletins. Standard qualities are however given for the following feeding stuffs with which the averages of Table I can be compared:

	Massachusetts Standards.		Canadian Averages.	
	Protein.	Fat.	Total Proteids.	Fat.
	p. c.	p. c.	p. c.	p. c.
Ground oats.....	11	4.0	11.24	2.94
Barley meal.....	11	1.5	10.28	1.50
Corn meal.....	9	3 to 4	.....	.....
Provender.....	10	4.0	8.10	1.24
Corn and oat feed.....	8 to 10	3 to 5	10.78	2.35

This comparison does not show extraordinary differences, but when the analyses of the samples in these groups are referred to it will be seen that some of them are too low both as regards proteids and fat. When the total proteids sink to 6.50 and the fat to 1 per cent there is very good reason for suspecting adulteration. It will however be found impossible to pronounce definitely on this point until legislation has been had on the subject.

Several of the states to the south of us have already taken action in this direction and the new feeding stuff laws of Massachusetts and Wisconsin afford valuable hints as to what should be done in Canada. Appended to this report will be found a copy of the new feed law of the State of Massachusetts many of the provisions in which deserve to be adopted. I would recommend the preparation of a Bill for the inspection of feeding stuffs and stock foods, constructed somewhat in the same way as the Fertilizers Act, but incorporating such provisions in the above mentioned legislation as have been found advantageous and practicable.

At the same time that the feeding stuffs described in Table I were collected the food inspectors also obtained other samples of cattle medicines and so called 'stock foods.' Of the latter there were 40 samples taken, some of them bearing other names such as 'cattle spice,' 'food syrup' and 'herb food.' They are described in Table

II of this report, and in their examination, the same method has been to a large extent followed, which was applied to the cattle feeds. From these they are however very different, being largely artificial mixtures of grain products, oil cake meal, organic substances and inorganic salts. They would appear to be partly nutritive, partly condimental and partly medicinal. On account of their varied characters their examination has been difficult and may in some instances be incomplete. In most of them the total ash is high and in many of them the ash soluble in water is very high and consists almost entirely of common salt. It is certainly not necessary that as much as 20 per cent of it should be required for the preservation of a sound and wholesome food, and its addition seems to partake of the nature of a fraud. Occasionally sulphate of soda is present, perhaps to save time by administering a laxative simultaneously with the food, a practice which a veterinarian might possibly condemn. For an instance of this sort see Serial No. 22. Sometimes the total proteids are quite high which is no doubt owing to an admixture of oil cake meal. On the other hand, so far as nutritive value is concerned, many of these stock foods appear to be no better than bran or 'chop.' It is possibly on account of the added salt that these are dignified by the name of 'stock food.' In general these stock foods show also high percentages of alcohol extract, water extract and crude fibre, but there has been no time to examine into the significance of these figures, nor indeed is it at present necessary. Sufficient information is given in Table II to support the view that some regulation of the sale of these stock foods would be in the interest of the agricultural public. In all likelihood, what is required is to bring them under the operation of the same act as has been above suggested for feeding stuffs, and probably, in addition, it would be necessary to cause them to be registered as has been done with fertilizers for many years past.

Recommending the publication of this report,

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

THOMAS MACFARLANE,
Chief Analyst.

CHAP. 122 OF ACTS AND RESOLVES OF MASSACHUSETTS FOR 1903.

An Act to Regulate the Sale of Concentrated Commercial Feed Stuff.

STATEMENTS TO BE ATTACHED TO PACKAGES.

Be it enacted, etc., as follows :

Section 1. Every lot or parcel of concentrated commercial feed stuff, as defined in section two of this act, used for feeding farm live stock, sold, or offered or exposed for sale within this Commonwealth, shall have affixed thereto, in a conspicuous place on the outside thereof, a plainly printed statement, clearly and truly certifying the name, brand or trademark under which the article is sold for feeding purposes, the name and address of the manufacturer, importer or dealer, the net weight of the package, and the minimum percentage of crude protein, reckoning one per cent of nitrogen equal to six and one-fourth per cent of protein, and crude fat which it contains ; the several constituents to be determined by the methods adopted by the Association of Official Agricultural Chemists of the United States. If the feed stuff is sold in bulk, or if it is put up in packages belonging to the purchaser, the agent or the dealer shall, upon request of the purchaser, furnish him with the certified statement described in this section.

DEFINES FEED STUFFS INCLUDED IN LAW.

Section 2. The term 'concentrated commercial feed stuff,' as used in this Act, shall include cottonseed meals, linseed meals, pea meals, bean meals, peanut meals, cocoanut meals, gluten meals, gluten feeds, maize feeds, starch feeds, sugar feeds, dried distillers' grains, dried brewers' grains, dried beet refuse, malt sprouts, malt refuse, hominy feeds, cerealine feeds, rice meals, oat feeds, corn and oat feeds, corn, oat and barley feeds, chop feeds, corn bran, ground beef or fish, scraps, meat and bone meals, mixed feeds,—except as otherwise provided in section three of this Act,—clover meals, condimental stock and poultry foods, patented, proprietary or trade-marked stock and poultry foods, and all other materials of a similar nature not included in section three of this act.

DEFINES FEED STUFFS EXEMPT FROM LAW.

Section 3. The term 'concentrated commercial feed stuff,' as used in this Act, shall not include hays and straws, the whole seeds nor the unmixed meals made directly from the entire grains of wheat, rye, barley, oats, Indian corn, buckwheat and broom corn. Neither shall it include wheat bran or wheat middlings not mixed with other substances but sold separately as distinct articles of commerce, nor wheat bran and wheat middlings mixed together, not mixed with any other substances, and known in the trade as 'mixed feed,' nor pure grains ground together unmixed with other substances.

PENALTY FOR VIOLATION OF PREVIOUS SECTIONS.

Section 4. Any manufacturer, importer, agent or other person selling, offering or exposing for sale any concentrated feed stuff included in section 2 of this Act, without the printed statement required by section one of this Act, or with a label stating that

the said feed stuff contains substantially a larger percentage of either crude protein or crude fat than is actually present therein, shall be fined fifty dollars for the first offence and one hundred dollars for each subsequent offence.

DIRECTOR OR DEPUTY REQUIRED TO COLLECT AND ANALYSE SAMPLES.—PENALTY FOR INTERFERENCE.—RESULTS TO BE PUBLISHED.

Section 5.—The director of the Hatch experiment station of the Massachusetts Agricultural College is hereby authorized, in person or by deputy, to enter any premises where feed stuffs are stored and to take a sample, not exceeding two pounds in weight, from any lot or package of any commercial feed stuff used for feeding any kind of farm live stock as defined in section two or of excepted materials named in section three of this Act, which may be in possession of any manufacturer, importer, agent or dealer. Any sample so taken shall be put in a suitable vessel, and a label signed by the director or his deputy shall be placed on or within the vessel, stating the name or brand of the feed stuff or material sampled, the guaranty, the name of the manufacturer, importer or dealer, the name of the person, firm or corporation from whose stock the sample was taken, and the date and place of taking; provided, however, that whenever a request to that effect is made the sample shall be taken in duplicate and carefully sealed in the presence of the person or persons in interest, or their representative, in which case one of the said duplicate samples shall be signed and retained by the persons or persons whose stock was sampled. Any person who shall obstruct the director or his deputy while in the discharge of his duty under this act shall be deemed guilty of a misdemeanour, and upon conviction thereof shall be fined not less than twenty-five dollars nor more than one hundred dollars for each offence. The aforesaid director shall cause at least one analysis of each feed stuff collected as herein provided, to be made annually. Said analysis may include determinations of crude protein, of crude fat, and of such other ingredients as it is deemed advisable at any time to determine. Said director shall cause the results of the analysis of the sample to be published from time to time in station bulletins, special circulars, or elsewhere, together with such additional information concerning the character, composition and use thereof as circumstances may require.

ADULTERATION OF WHOLE OR GROUND GRAIN OR STANDARD BY-PRODUCTS; PENALTY.

Section 6. Any person who shall adulterate any whole or ground grain with milling or manufacturing offals, or with any foreign substance whatever, or adulterate any bran or middlings, or mixtures of wheat bran or wheat middlings known in the trade as 'mixed feed' or any other standard by-product made from the several grains or seeds with any foreign substance whatever, for the purpose of sale, unless the true composition, mixture or adulteration thereof is plainly marked or indicated upon the package containing the same or in which it is offered for sale; and any person who knowingly sells or offers for sale any whole or ground grain, bran or middlings, or mixture of wheat bran and wheat middlings known in the trade as 'mixed feed,' or other standard by-product, which have been so adulterated, unless the true composition, mixture or adulteration is plainly marked or indicated upon the package containing the same or in which it is offered for sale, shall on conviction be fined not less than twenty-five dollars or more than one hundred dollars for each offence, and such fines shall be paid into the treasury of the Commonwealth.

DIRECTOR TO PROSECUTE VIOLATORS OF ACT.

Section 7. The director of the Hatch experiment station upon ascertaining any violations of this Act for the first time shall forthwith notify the manufacturers or importers in writing, giving them not less than thirty days thereafter in which to comply with

the requirements of this Act. In case of second or subsequent violations by the same person or persons, or in case after a lapse of thirty days the requirements of this Act remain uncomplied with, it shall be the duty of the director of the said station to prosecute the person or persons violating any provision of this Act, and for this purpose the director may, if necessary, employ experts, and may further designate some person connected with the said station, or some other suitable person, to make complaints on its behalf; and in making complaints for violations of this Act the persons so designated shall not be required to enter into any recognizance or to give security for the payment of costs: provided, however, that there shall be no prosecution in relation to the quality of any unadulterated commercial feed stuff if the same shall be found to be substantially equivalent to the statement of analysis made by the manufacturers or importers.

Section 8. This Act shall not affect persons manufacturing, importing or purchasing feed stuffs for their own use and not to sell in this state.

Section 9. The term 'importer' for all the purposes of this Act, shall be taken to include all who procure or sell concentrated commercial feed stuffs.

Section 10. To defray the expenses of making the analyses and of carrying out the regulations provided for or made by under this Act the sum of three thousand dollars shall be allowed for the present year from the treasury of the Commonwealth, payable in semi-annual payments.

Section 11. Section twenty and so much of any other section of chapter fifty-seven of the Revised Laws as is inconsistent with this Act are hereby repealed.

Section 12. This Act shall take effect on the first day of July in the year nineteen hundred and three. (Approved March 2, 1903.)

TABLE I.—INSPECTION OF 127 SAMPLES

Date of Collection.	Nature of Sample.	Number of Sample.	Name and Address of Vendor.	Cost.		Name and Address of Manufacturer or Furnisher.	Inspector's Report.
				Quantity.	Value.		
1905.			<i>District of Nova Scotia—R. J. Waugh, Inspector.</i>		Cts.		
Dec. 8	Bran.....	27117	T. McKay, wholesale dealer, Truro, N.S.	bars.	...	Ogilvie Flour Mills Co., Montreal.	Put up in 500 lb. bags and labelled Ogilvie's bran.
" 8	Cattle Feed.....	27118	W. C. Sumner, Truro, N.S.	3 "	...	W. C. Sumner, Truro	Put up in 100 lb. bags and labelled cattle feed.
" 11	Bran	27120	J. B. Shaffner & Co., Halifax, N. S., wholesale dealers.	3 "	...	Ogilvie Flour Mills Co., Montreal.	Put up in 100 lb. bags and labelled Ogilvie's bran.
" 11	Corn and Oat Feed	27121	" " "	3 "	...	American Cereal Co., Peterborough, Ont.	Sold as corn and oat. Victor Brand, put up in 100 lb. bags.
" 12	Chop Feed.....	27124	A. Gunn & Co., Halifax, N.S.	3 "	05	A. Gunn & Co., Halifax, N.S.	Sold as O. & B. brand and put up in 100 lb. bags.
" 12	Bran.....	27125	" " "	3 "	05	Western Canada Milling Co., Goderich, Ont.	Put up in bags; imported by vendors.
" 12	Middlings.....	27126	E. J. Fenton, Halifax, N.S.	3 "	...	Brant Milling Co., Brant, Ont.	Imported by vendor who is a retail dealer. Put up in bags.
" 12	Chop Feed.....	27127	" " "	3 "	...	J. A. Calder, Dartmouth, N.S.	Put up in bags, not branded, sold retail.
" 12	Chop Feed.....	27128	J. A. Calder, Dartmouth, N.S.	3 "	...	" " "	Sample taken at factory, no brand.
			<i>District of New Brunswick—J. C. Ferguson, Inspector.</i>				
Nov. 30	Bran.	24118	Chas. H. Peters Sons, Ward st., and Peters wharf, St. John, N.B., wholesalers.	3 bags	20	From Ogilvie's Mills, Montreal.	Manitoba wheat.
" 30	Chop	24119	" " "	3 "	20	From Flavell Milling Co., Lindsay, Ont.	P. chop. Corn and oats, half-and-half.
" 30	Oil Cake Meal...	24120	" " "	3 "	20	Imported from United States; bought from brokers.	Vendors state no oil cake sold here. Cake ground, sold as oil cake meal.
Dec. 7	Cracked Corn and Oats, mixed	24129	Maritime Corn Meal Mills, Erin st., St. John, N.B., C. W. Stewart, proprietor.	3 "	...	C. W. Stewart, proprietor.	Food for cows and horses taken from bin in mills.

OF FEEDING STUFFS.

Serial Number.	Observed under the Microscope by A. Lemoine.	RESULTS OF ANALYSIS.										Name of Analyst.	Number of Sample.
		Total protein(N x 6.25)	Moisture.	Petrolic ether extract = fat.	Alcohol extract after petrolic ether.	Water extract after alcohol.	Crude fibre.	Total ash.	Starch, approximately.	Acid insoluble ash.	Proteids in alcohol extract.		
		p.c.	p.c.	p.c.	p.c.	p.c.	p.c.	p.c.	p.c.	p.c.			
1	Mostly wheat bran....	11.18	10.96	2.20	7.66	4.88	9.60	3.92	50.26	.....	A. Valin	27117
2	Wheat, maize and oat starch.	8.37	12.84	2.50	3.92	4.08	8.85	2.38	57.36	.....	"	27118
3	Wheat bran	13.37	10.40	2.02	6.44	4.56	9.40	5.28	47.63	.....	"	27120
4	Corn and oat starch and a few granules of wheat.	7.19	9.12	2.24	None.	7.72	12.70	2.64	58.39	.....	"	27121
5	Maize, wheat and oats.	8.31	12.00	1.88	3.92	4.20	5.50	1.80	62.39	.....	"	27124
6	Mostly wheat bran....	11.12	11.72	2.20	7.68	3.84	15.50	6.10	41.84	.....	"	27125
7	" "	12.68	11.80	3.08	5.20	8.72	8.60	4.44	45.48	.....	"	27126
8	Wheat maize and a little oat starch.	10.50	15.28	1.84	5.48	4.08	8.70	2.84	54.28	.....	"	27127
9	Mostly wheat starch. .	10.62	12.32	2.48	6.16	4.16	7.50	3.28	53.48	.....	"	27128
10	Wheat starch.	13.10	9.00	2.08	6.76	6.84	8.00	5.56	48.66	.....	A. Lemoine	24118
11	Wheat, oat and maize starch.	14.90	9.45	2.60	4.52	6.56	4.05	2.56	55.5	.....	"	24119
12	Linseed tissues and some wheat granules.	34.40	8.44	1.24	7.68	16.00	8.60	5.68	17.96	.....	"	24120
13	Oat maize and wheat starch.	10.93	9.40	2.92	4.24	2.84	5.70	2.12	61.85	.....	"	24129

TABLE I.—INSPECTION OF 127 SAMPLES

Date of Collection.	Nature of Sample.	Number of Sample.	Name and Address of Vendor.	Cost.		Name and Address of Manufacturer or Furnisher.	Inspector's Report.
				Quantity.	Value.		
1905.			<i>District of New Brunswick—Con.</i>				
Dec. 7	Cracked Oats and Corn, mixed.	24130	Latour Mills, St. John Milling Co., Rodney wharf, west end, St. John, N.B., W. H. Fowler, manager.	3 pkgs	10	Latour Mills, St. John Milling Co., Rodney wharf, St. John, N.B., west side Carleton, W. H. Fowler, mang'r.	Generally for horses or working oxen in the lumber woods.
" 5	Middlings	24127	William Dunlop & Son, 12 Sydney st., St. John, N.B.	3 "	10	Needham S. Springer, Mill st., St. John, N.B.	Bag marked XLK.
" 5	Cattle Feed.....	24128	Ira B. Kierstead, 153-161 Marsh Road, east, St. John, N.B.	3 "	10	W. Frank Hathenay Co., Ltd., South wharf, St. John, N.B.	Brand, 'Banner Cattle Feed,' in center of bag imprint 'Bulls Head.'
" 12	Bran, wheat.....	24133	The Sussex Mercantile Co., Ltd., Main st., Sussex, N.B.	3 "	10	The Flavell Milling Co., Lindsay, Ont.	Sample taken from 160 lb. bag in warehouse.
" 13	Cattle Feed.....	24134	The Charles Fawcett, Lower Lute st., Moncton, N.B.	3 "	10	Moncton Corn Meal and Feed Mills, Moncton, N. B., Chas. Fawcett, Mfg. Co.	Brand 'Fawcett's Golden Star Feed,' from bin in mills.
			<i>District of Prince Edward Island—T. Moore, Inspector.</i>				
" 4	Oil Cake Meal...	28235	J. E. Auld & Co., Charlottetown.	1½ lbs.	...	Canada Linseed Oil Mills, Montreal.	
" 4	Chop.....	28236	J. E. Auld & Co., Charlottetown.	1½ "	...	G. Carler, Sons & Co., Ltd., St. Mary's, Ont.	
" 4	"	28237	R. E. Mutch, Charlottetown.	1½ "	...	J. R. Elliott, Elliott's Mills, P. E. Island	
" 4	"	28238	L. P. Tanton, Charlottetown.	1½ "	03	Ogilvie Flour Mills, Montreal.	
" 5	Bran.....	28244	J. J. Hughes, Souris	3 "	...	Ogilvie, Montreal...	
" 7	"	28252	W. J. Boswall, Charlottetown	3 pkgs	...	John Campbell & Co., St. Thomas, Ont.	
" 7	"	28253	F. L. McNutt, Charlottetown.	3 "	...	Canadian Flour Mill Co., Ltd., Chatham, Ont.	
" 7	"	28254	A. Horn & Co., Charlottetown.	3 "	...	Goldie Milling Co., Ayer, Ont.	
" 7	Oil Cake Meal...	28256	H. Edmunds & Co., Charlottetown.	...	03	McKinley Bros., Charlottetown.	
" 7	Chop.....	28257	H. Edmunds & Co., Charlottetown.	...	02	A. Gates, Gates Mills, Charlottetown, Royalty.	
" 7	Oil Cake Meal...	28259	Sanderson & Co., Charlottetown.	...	03	Hudon, Hebert & Co., Montreal.	
" 7	"	28260	R. E. Mutch, Charlottetown.	...	...	G. Carter & Co., Ltd., St. Mary's, Ont.	
			<i>District of Quebec—C. E. Roy, Inspector.</i>				
Dec. 7	Oil Cake Meal...	29064	J. Buchanan & Son, Lévis.	...	05	R. F. Cream & Co., Quebec.	

OF FEEDING STUFFS—Continued.

Serial Number.	Observed under the Microscope by A. Lemoine.	RESULTS OF ANALYSIS.										Name of Analyst.	Number of Sample.
		Total protein ^(N x 6.25)	Moisture.	Petrolic ether extract - fat.	Alcohol extract after petrolic ether.	Water extract after alcohol.	Crude fibre.	Total ash.	Starch, approximately.	Acid insoluble ash.	Proteids in alcohol extract.		
		p.c.	p.c.	p.c.	p.c.	p.c.	p.c.	p.c.	p.c.	p.c.	p.c.		
14	Oat maize and wheat starch.	9.63	9.60	2.72	3.92	2.76	7.55	1.80	62.02			A. Lemoine	24130
15	Wheat starch granules.	14.50	10.28	2.36	8.36	5.96	8.05	4.92	45.57			"	24127
16	Oat maize and wheat starch.	8.75	9.64	2.24	3.88	2.24	7.70	2.12	63.43			"	24128
17	Wheat bran.	15.31	10.20	2.40	6.96	3.92	12.50	4.58	44.13			A. Valin	24133
18	Wheat, oat and maize starch.	8.75	11.00	1.92	2.92	2.92	3.75	1.44	67.30			"	24134
19	Linseed tissue	31.25	7.56	7.68	8.36	11.36	8.30	4.90	20.59			Miss E. Davidson.	28235
20	Mostly wheat starch; some oats.	5.87	8.16	1.04	2.64	2.56	10.30	3.42	65.51			"	28236
21	Mostly oats; some wheat starch.	9.81	8.88	1.88	3.68	3.08	10.45	4.52	57.70			"	28237
22	Mostly oat and maize starch.	8.25	8.64	2.08	4.00	2.44	5.75	2.04	66.80			"	28238
23	Wheat bran	12.94	8.68	2.36	8.36	4.48	9.15	4.38	49.65			"	28244
24	"	12.12	9.12	1.72	7.16	4.16	11.50	6.04	48.18			"	28252
25	"	14.50	8.80	2.16	7.32	4.48	9.00	7.62	46.12	0.10		"	28253
26	"	12.75	8.60	1.20	6.80	5.64	9.80	5.18	59.03			"	28254
27	Linseed tissue	31.94	8.20	3.76	10.84	10.64	8.10	5.84	10.68			"	28256
28	Mostly oat starch.	11.00	9.64	1.60	4.80	4.44	7.25	2.40	58.87			"	28257
29	Linseed tissue	29.55	7.12	6.24	10.40	12.80	7.20	5.30	21.39			"	28259
30	"	25.88	3.52	8.52	14.48	6.12	3.85	5.90	31.73			"	28260
31	Linseed tissue	28.87	7.80	7.28	9.48	5.64	11.00	5.00	24.93			A. Valin	29064

TABLE I.—INSPECTOR OF 127 SAMPLES

Date of Collection.	Nature of Sample.	Number of Sample.	Name and Address of Vendor.	Cost.		Name and Address of Manufacturer or Furnisher.	Inspector's Report.
				Quantity.	Value.		
				Cts.			
1906.			<i>District of St. Hyacinthe—J. J. Costigan, Acting Inspector.</i>				
Jan. 15	Bran.	25411	Chas. G. Racicot, St. Antoine st., St. Hyacinthe.	3 lbs.	05	Ogilvie Milling Co.	
" 15	Shorts	25492	Chas. G. Racicot, St. Antoine st., St. Hyacinthe.	3 "	05	Scotts, Ottawa.	
" 17	Moulée	25493	McDonald & Robb, Valleyfield.	3 "		Vendor.	
" 17	Shorts	25494	McDonald & Robb, Valleyfield.	3 "		"	
" 17	Cornmeal Feed.	25495	McDonald & Robb, Valleyfield.	3 "		"	
" 17	Bran	25496	McDonald & Robb, Valleyfield.	3 "		"	
				Cts.			
1905.			<i>District of St. Hyacinthe—J. C. Rouleau, Inspector.</i>				
Dec. 5	Oil Cake Meal.	24787	C. O. Smith, Sutton.	1½ lbs.		Not known.	Old 'Process brand,' out of a 100 lb. bag.
" 5	"	24789	C. R. Clough & Co., Lennoxville.	1½ "		Ogilvie Milling Co., Montreal.	Out of a 100 lb. bag.
" 5	Kennedy's Cattle Feed	24790	Gendron Denault & Co., Sherbrooke.	1½ "	09	G. C. Briggs & Sons, Hamilton.	"
" 5	Oil Cake Meal.	24791	J. W. Paige, Cook.	1½ "	03	Dom. Linseed Oil Co., Montreal.	"
" 5	"	24793	J. H. Percy & Son, Magog.	1½ "	04	Ogilvie Milling Co., Montreal.	"
" 5	"	24794	M. Steele & Co., Richmond.	1½ "		"	"
" 13	"	24795	Robinson & Tenny, Waterloo.	1½ "	05	Lake of the Woods Milling Co., Montreal.	
" 13	"	24796	J. S. Maguire, Waterloo.	1½ "	03	Ogilvie Milling Co., Montreal.	
" 13	"	24797	R. W. Bradford, Granby.	1½ "	03	Wm. Fwing & Co., Montreal.	
				Cts.			
1905.			<i>District of Montreal—J. J. Costigan, Inspector.</i>				
Nov. 30	Special Horse Feed	26860	A. Guertin, Inspector st., Montreal.	3 lbs.	10	Manufactured by vendor.	Taken from bulk.
Dec. 4	Bran	26863	Flour Mills Co., Little St. Antoine st., Montreal.	3 "	10	Ogilvie Milling Co.	"
" 4	Moulée	26864	" " "	3 "	10	Vendor	"
" 4	Shorts	26865	" " "	3 "	10	Ogilvie Milling Co.	"

OF FEEDING STUFFS—Continued.

Serial Number.	Observed under the Microscope by A. Lemoine.	RESULTS OF ANALYSIS.										Name of Analyst.	Number of Sample.
		Total protein(N x 6.25)	Moisture.	Petrolic ether extract = fat.	Alcohol extract after petrolic ether.	Water extract after alcohol.	Crude fibre.	Total ash.	Starch, approximately.	Acid insoluble ash.	Protein in alcohol extract.		
		p.c.	p.c.	p.c.	p.c.	p.c.	p.c.	p.c.	p.c.	p.c.	p.c.		
32	Wheat bran.....	15.75	8.28	4.52	9.16	4.44	9.30	6.14	42.41			Miss E. Davidson.	25411
33	Mostly wheat.....	17.94	8.96	5.60	10.00	2.64	8.95	4.60	43.31			"	25492
34	Wheat, oats and maize.	12.31	10.16	3.00	5.92	1.92	6.85	2.72	57.12			"	25493
35	Mostly wheat; a little oats.	16.19	8.92	5.44	11.12	3.36	6.95	5.54	43.48			"	25494
36	Mostly maize.....							1.60				"	25495
37	Wheat bran.....	15.13	9.20	4.32	9.52	2.12	7.75	5.04	46.92			"	25496
38	Linseed tissues.....	20.31	8.32	4.20	11.48	7.96	9.75	5.95	24.03			A. Lemoine..	24787
39	" ".....	27.18	8.04	6.64	11.08	10.28	6.50	6.20	24.08			"	24789
40	Maize and wheat starch, linseed; other substances undeter- mined.	14.87	6.68	2.16	32.96	4.52	2.25	27.50	9.06			"	24790
41	Linseed tissue.....	33.37	8.48	6.32	10.64	6.88	10.60	4.75	18.46			"	24791
42	" ".....	31.50	8.08	2.32	10.80	9.08	7.06	5.85	25.31			"	24793
43	" ".....	30.62	8.40	1.52	10.28	5.84	7.18	5.60	30.56			"	24794
44	" ".....	30.62	7.88	2.72	11.56	7.52	6.00	5.00	28.70			"	24795
45	" ".....	32.37	8.96	2.22	10.72	6.20	8.68	5.65	25.20			"	24796
46	" ".....	27.12	9.20	5.52	10.96	8.92	7.50	5.30	25.48			J. G. A. Valin	24797
47	Oats, wheat and maize.	10.25	7.96	2.20	10.92	2.08	7.80	2.24	56.55			J. G. A. Valin	26860
48	Wheat bran.....	12.68	8.60	2.60	9.00	2.08	13.60	4.84	46.60			"	26863
49	Wheat and oat starch..	11.06	10.88	2.48	5.76	4.00	16.75	2.84	46.23			"	26864
50	" ".....	14.00	8.32	3.40	10.28	4.92	10.70	3.28	45.10			"	26865

TABLE I.—INSPECTION OF 127 SAMPLES

Date of Collection.	Nature of Sample.	Number of Sample.	Name and Address of Vendor.	Cost.		Name and Address of Manufacturer or Furnisher.	Inspector's Report.
				Quantity.	Value.		
1905.			<i>District of Montreal</i> --Concluded.		Cts.		
Dec.	5 Shorts	26866	Michaud Bros. & Co., 270 Notre Dame, Montreal.	3 lbs.		06 Western Canada Milling Co.	
"	5 Bran	26867	" " "	3 "		06 Not known.	
"	5 Cracked Corn	26871	Bruneau, Currie & Co., 14 Jouvillie, Montreal.	3 "		McDonald & Robb, Valleyfield, P.Q.	
"	5 Crushed Oats	26872	" " "	3 "		" "	
"	5 Shorts	26873	" " "	3 "		T. Bullick & Son, Crystal City.	
"	5 Corn Feed	26874	" " "	3 "		McDonald & Robb, Valleyfield, P.Q.	
"	5 Grain Feed	26875	Bruneau, Currie & Co., 14 Jouvillie, Montreal.	3 "		McDonald & Robb, Valleyfield, Que.	
"	5 Moulée	26876	W. L. Hogg, 395 Notre Dame, Mont- real.	"		05 Vendor	
"	5 Barley Meal	26877	" " "	3 "		05 " "	
"	13 Gluten Meal	26882	James Scott & Co., 182 St. Antoine, Montreal.	3 "		06 Edwardsburg Starch Co.	
"	13 Oil Cake Meal	26883	" " "	3 "		06 Dominion Linseed Oil Co.	
"	13 Moulée	26884	" " "	3 "		06 Joseph Bishop & Son, Crysler, Ont.	
"	13 Cattle Feed, 'Banner Brand.'	26885	" " "	3 "		06 American Cereal Co., Peterboro.'	
			<i>District of Ottawa -</i> <i>A. E. Sanderson,</i> <i>Inspector.</i>				
Nov.	1 Bran	28449	Froom & Millar, 427 Bank st.	1 lbs.		02 Ogilvie's	
"	6 " "	28450	A. Blyth, 69 William st.	1 "		02 Dowd Milling Co.	
"	6 " "	28451	D. Martin, 169 Rideau st.	1 "		02 Ogilvie's	
"	4 Shorts	28452	Froom & Millar, 427 Bank st.	1 "		02 Wm. Scott & Co., Deschenes, Que.	
"	6 " "	28453	A. Blyth, 69 William st.	1 "		02 Dowd Milling Co.	
"	6 " "	28454	D. Martin, 169 Rideau st.	1 "		" "	
"	6 Low Grade Flour	28455	" " "	1 "		03 H. McIlroy, Carp, Ont.	
"	4 Corn and Oat Meal	28456	Froom & Millar, 427 Bank st.	1 "		02 American Cereal Co., Peterboro.'	
"	4 Mixed Chop	28457	" " "	1 "		02 Dwyer, Hintonburg.	
"	4 Horse and Cattle Feed.	28458	L. O. Joly, 481 Well- ington st.	1 "		10 Sterling Manfg. Co., Montreal.	A purely vege- table condi- ment. War- ranted.

OF FEEDING STUFFS—Continued.

Serial Number.	Observed under the Microscope by A. Lemoine.	RESULTS OF ANALYSIS.											Name of Analyst.	Number of Sample.
		Total proteids (N x 6.25)	Moisture.	Petroleic ether extract = fat.	Alcohol extract after petroleic ether.	Water extract after alcohol.	Crude fibre.	Total ash.	Starch, approximately.	Acid insoluble ash.	Proteids in alcohol extract.			
		p.c.	p.c.	p.c.	p.c.	p.c.	p.c.	p.c.	p.c.	p.c.	p.c.			
51	Wheat and oat starch.	19.25	8.84	3.56	11.20	3.16	8.80	3.74	41.45			J. G. A. Valin.	26866	
52	Wheat bran	12.06	8.48	2.28	8.12	9.72	11.65	4.14	43.55			"	26867	
53	Maize starch	7.87	10.40	2.00	5.12	2.48	3.90	1.44	67.69			"	26871	
54	Oat starch	11.06	6.80	4.48	5.44	3.20	10.65	4.26	54.11			"	26872	
55	Wheat and a little oat starch.	14.87	7.48	4.12	8.60	12.32	9.35	3.44	39.82			"	26873	
56	Maize starch	8.75	10.08	3.12	3.92	2.96	1.50	1.04	68.63			"	26874	
57	Wheat and oats	12.25	8.20	2.60	4.80	10.72	9.00	2.20	50.23			"	26875	
58	Wheat, maize and oat starch.	15.75	8.88	2.28	2.52	9.88	8.50	3.20	48.99			"	26876	
59	Mostly wheat starch.	11.37	9.84	1.60	2.08	4.00	8.25	1.94	60.92			"	26877	
60	Broken starch granules; apparently wheat.	33.68	7.04	1.80	23.40	0.88	5.50	1.10	26.60			"	26882	
61	Linseed tissue.	28.06	6.80	12.48	9.00	7.08	10.00	3.16	23.42			"	26883	
62	Oat and wheat starch.	11.81	8.60	1.72	6.48	5.40	9.50	3.04	53.45			"	26884	
63	Oat, maize and a little wheat.	7.87	7.92	2.16	4.88	1.72	9.50	2.00	63.95			"	26885	
64	Wheat bran; some oat starch granules.	11.00	11.32	1.28	5.46	7.68	12.30	5.46	45.00	0.56		Miss F. Davidson.	28449	
65	" "	14.00	10.92	1.32	4.60	6.40	11.30	5.80	45.66	0.87		"	28450	
66	" "	13.56	11.44	1.48	5.60	6.40	12.25	6.10	43.17	0.50		"	28451	
67	Mostly wheat; a little oats.	15.37	10.92	3.40	8.96	5.64	7.10	3.82	44.79	0.93		"	28452	
68	Mostly wheat; a little oat starch.	14.56	11.36	3.32	9.28	4.40	6.65	4.06	46.43	0.92		"	28453	
69	" "	17.18	10.56	3.20	9.44	4.04	8.30	4.02	42.36	0.75		"	28454	
70	Wheat flour	13.62	10.92	1.56	4.03	4.20	1.00	1.64	62.98	0.50		"	28455	
71	Oats and maize starch.	15.37	9.60	1.82	3.32	3.04	10.25	3.22	53.68			"	28456	
72	Maize, wheat and oat starch.	7.00	11.96	0.90	0.80	3.80	2.65	1.84	71.95	0.56		"	28457	
73	A little linseed; wheat and oat starch; charcoal	21.25	9.20	1.72	15.84	5.28	3.80	5.24	37.67	0.08	2.25	"	28458	

TABLE I.—INSPECTION OF 127 SAMPLES

Date of Collection.	Nature of Sample.	Number of Sample.	Name and Address of Vendor.	Cost.		Inspector's Report.
				Quantity.	Value.	
1905.				<i>District of Ottawa—</i>		
				<i>Concluded.</i>		
Nov. 6	Pratt's Horse and Cattle Feed.	28459	S. J. Major, York st., wholesale.	1 pkg.	49	Pratt Food Manfg. Co., Philadelphia.
" 6	Provender.....	28460	A. Blyth, 69 William st.	1 lb.	02	G. L. Dickinson, Manotick.
" 6	" " Banner Brand.	28461	D. Martin, 169 Rideau st.	1 "	02	American Cereal Co., Peterboro'.
" 6	Provender, 'Victor Brand.'	28462	" " " "	1 "	02	" " " "
" 4	Calf Meal.	28463	Froom & Millar, 427 Bank st.	1 "	02	American Cereal Co., Peterborough.
" 6	Bibbey's Calf Feed.	28464	D Martin, 169 Rideau st.	1 "	04	Bibby & Son, Liverpool, Eng.
" 4	Oil Cake Meal..	28465	Froom & Millar 427 Bank st.	1 "	03	Body & Co.....
" 6	Linseed Meal ...	28466	D. Martin, 169 Rideau st.	1 "	05	J. A. Simmers, Toronto.
" 6	Gluten Meal. ...	28467	A. Blyth, 69 William st.	1 "	02	St. Lawrence Starch Co., Port Credit.
" 4	Cattle Feed	28468	Froom & Millar, 427 Bank st.	1 "	02	American Cereal Co., Peterborough.
" 6	Bibby's Cream... 28469	A. Blyth, 69 William st.	1 "	05	Bibby, Liverpool, Eng.	
				<i>District of Kingston,</i>		
				<i>J. Hogan, Inspector.</i>		
Nov. 22	Oil Cake Meal...	28535	W. P. Peters, Brock st., Kingston.	4½ lbs	75	Carnafac Stock Food Co., Winnipeg.
" 22	" "	28537	H. Skinner, Princess st., Kingston.	3 "	05	Dominion Linseed Oil Co., Toronto.
" 22	" "	28539	D. Hutchison, Market st., Kingston.	3 "	05	Livinston, Baden...
" 22	Bran.	28540	" " " "	2 "	05	Seaforth Milling Co.
" 23	" "	28541	Kingston Milling Co.	3 "	05	Kingster Milling Co.
" 27	" "	28544	Tilton Graham, Pitt st., Cornwall.	3 "	05	Lake of Wood's Milling Co.
" 27	Chop.....	28545	" " " "	3 "	05	Black, Cornwall....
" 27	Bran.	28546	J. A. Gauthier, Pitt st., Cornwall.	3 "	05	Not known.....
" 27	Chop.	28550	J. A. Farlinger, Morrisburg.	3 "	05	J. A. Farlinger, Morrisburg.
" 27	Bran.	28552	Gibson, Morrisburg.	3 "	05	Gibson Co., Morrisburg.
" 27	Chop.....	28553	" " " "	3 "	05	" " " "
" 29	" "	28563	H. Brown & Son, Brockville.	3 "	05	Not known.

OF FEEDING STUFFS—Continued.

Serial Number.	Observed under the Microscope by A. Lemoine.	RESULTS OF ANALYSIS.										Name of Analyst.	Number of Sample.
		Total protein (N x 6.25)	Moisture.	Petrolic ether extract—fat.	Alcoholic extract after petroleic ether.	Water extract after alcohol.	Crude fiber.	Total ash.	Starch, approximately.	Acid insoluble ash.	Protein in alcohol extract.		
		p.c.	p.c.	p.c.	p.c.	p.c.	p.c.	p.c.	p.c.	p.c.	p.c.		
74	Oat, wheat and maize granules.	11.50	10.44	2.32	11.24	4.76	5.35	6.28	48.11	0.24	1.07	Miss E. Davidson.	28450
75	Mostly oat starch granules.	10.56	11.72	1.00	3.04	3.48	3.28	3.40	63.52	1.36	.....	"	28460
76	Oat, maize and wheat starch granules.	6.50	9.84	1.52	2.40	3.36	6.20	1.94	68.24	0.64	.....	"	28461
77	" " " "	7.25	9.40	1.20	3.08	3.24	11.00	2.84	61.99	.....	.....	"	28462
78	Linseed, maize, wheat and probably oat starch.	23.25	9.84	2.36	9.88	8.04	5.40	4.52	36.71	.....	.....	"	28463
79	Linseed, pea or bean starch and a little maize.	13.81	8.80	3.00	13.04	8.88	4.05	3.88	44.54	.....	.....	"	28464
80	Linseed tissue.....	30.06	8.24	0.44	7.28	16.72	9.70	5.42	22.14	.....	0.56	"	28465
81	" " " " " "	21.19	5.56	7.80	13.12	9.32	22.75	9.42	10.84	4.80	0.89	"	28466
82	Starch granules, mixed and broken up.	20.21	7.92	0.40	3.44	1.60	4.00	0.66	61.77	.....	.....	Miss S. E. Wright.	28467
83	Mostly maize starch; a little wheat.	8.31	10.44	2.40	3.32	2.40	7.40	2.50	63.03	.....	.....	"	28468
84	Wheat, maize and probably oat starch; linseed.	13.94	9.06	5.28	12.04	4.36	3.95	3.92	46.56	.....	.....	"	28469
85	Mostly wheat, some charcoal, salt crystals	1	7.32	1.84	21.60	2.92	7.50	11.68	35.58	0.50	.....	J. G. A. Calin.	28535
86	Mostly linseed, other substances undetermined.	36.00	7.20	4.60	11.40	3.60	9.00	5.46	22.74	.....	.....	"	28537
87	Linseed meal, some starch, a little charcoal; rest undetermined.	25.06	8.00	5.40	10.00	6.60	12.50	5.40	27.04	.....	.....	"	28539
88	Wheat and oat starch.	11.81	8.36	2.72	7.00	3.88	14.00	4.04	48.19	.....	.....	"	28540
89	Mostly wheat bran....	11.87	8.72	2.40	7.44	3.96	11.75	5.66	48.26	.....	.....	"	28541
90	" " " " " "	13.56	8.32	3.20	7.88	3.72	14.00	5.28	44.04	.....	.....	"	28544
91	Oat and wheat starch..	10.62	8.92	2.12	3.40	3.44	9.50	2.10	59.90	.....	.....	"	28545
92	Mostly wheat bran..	13.56	8.52	2.68	7.60	3.68	12.25	5.38	46.33	.....	.....	"	28546
93	Oat and wheat starch..	10.50	9.32	1.52	5.92	2.48	12.50	3.00	54.76	.....	.....	"	28550
94	Mostly wheat bran....	14.00	4.80	2.96	8.32	4.00	13.50	5.68	46.74	.....	.....	"	28552
95	Oat and wheat starch..	10.93	9.80	0.60	4.60	4.88	6.25	2.00	60.94	.....	.....	"	28553
96	" " " " " "	11.93	8.76	1.72	4.48	3.12	12.50	5.10	52.39	.....	.....	"	28563

TABLE I.—INSPECTION OF 127 SAMPLES

Date of Collection.	Nature of Sample.	Number of Sample.	Name and Address of Vendor.	COST.		Name and Address of Manufacturer or Furnisher.	Inspector's Report.
				Quantity.	Value.		
1905.			<i>District of London— T. Kidd, Inspector.</i>		Cts.		
	28 Bran.....	22434	Arther Patrick, Woodstock, wholesale.	1 lbw	05	James Cullin, miller, Woodstock.	
	28 Corn Chop.....	22435	Arthur Patrick, flour and feed merchant, Woodstock.	1 "	05	Arthur Patrick, Woodstock.	Corn chop made from Canadian corn.
	29 Oil Cake Meal...	22442	James Dunlop & Co., Hamilton.	1 "	05	St. Louis firm, Toledo, Ohio, U.S.	Called oil cake.
	29 Chop Corn.....	22443	" "	1 "	05	Miller and feed merchant, Hamilton.	Made by vendor. Dunlop & Co., Hamilton.
	29 Bran.....	22444	" "	1 "	05	James Dunlop & Co.	Who makes same
	29 Horse Feed.....	22445	" "	1 "	05	United Breeders Co., Syracuse, N.Y.	
	29 Horse and Cattle Feed.	22446	" "	1 "	05	Robert Ralston & Co., Hamilton.	
	30 " "	22447	Tetterington & Co., St. Catharines.	1 "	15	Beaver Manufacturing Co., Galt.	
	30 Oil Cake.....	22448	Tetterington & Co., St. Catharines, manufacturers and dealers.	1 "	15	Dominion Oil Seed Co., Baden.	
	30 Corn Chop.....	22449	Tetterington & Co., St. Catharines.	1 "	05	Tetterington & Co.	Who make same in their mill.
	30 Barley Chop.....	22450	" "	1 "	05	" "	
	30 Bran Chop.....	22451	Tetterington & Co., made by Whitley Shaw, St. Kitts.	1 "	05	Headley Shaw, manufacturer, St. Kitts.	Manitoba wheat.
Dec.	4 Chopped Oats....	22454	James Ford, merchant, Clinton.	1 "	05	James Ford, manufacturer, Clinton.	
	4 Oil Cake Meal...	22455	Cook & Sons, merchants, Clinton.	1 "	05	Gorman & Eckart, London.	Wholesale dealers.
	4 Bran.....	22456	James Norman Fair, miller, Clinton.	1 "	05	James Norman Fair, miller, Clinton, Ont.	Collected from a pile of bran on floor.
	4 ".....	22457	Western Canada Flour Co., Goderich	1 "	05	Western Canada Flour Mills Co., Goderich.	Taken from a pile on floor.
	5 Ground Flax Meal.	22458	W. E. Kerslake, feed merchant, Seaforth	1 "	10	W. E. Kerslake, Seaforth.	
			<i>District of Calgary— W. Fletcher, Inspector.</i>				
Dec.	15 Bran.....	28610	Calgary Milling Co., Calgary.	1 lbs.	....	Calgary Milling Co., Calgary.	
	15 Oat Chop.....	28611	" "	1 "	....	" "
	15 Cattle Feed.....	28613	The Bole Drug Co., Calgary, wholesale.	2 "	35	The Bole Drug Co., Winnipeg.	
	18 Oil Cake Meal...	28615	Hull & Sharp, Calgary (jobbers).	1 1/2 "	....	Ogilvie Milling Co., Winnipeg.	

OF FEEDING STUFFS—Continued.

Serial Number.	Observed under the Microscope by A. Lemoine.	RESULTS OF ANALYSIS.											Name of Analyst.	Number of Sample.
		Total proteids(N x 6.25)	Moisture.	Petrolic ether extract = fat.	Alcohol extract after petrolic ether.	Water extract after alcohol.	Crude fibre.	Total ash.	Starch, approxima- tively.	Acid insoluble ash.	Proteids in alcohol extract.			
		p.c.	p.c.	p.c.	p.c.	p.c.	p.c.	p.c.	p.c.	p.c.	p.c.			
97	Mostly wheat bran....	15.75	9.08	2.80	7.60	3.68	12.00	4.80	44.29	.....	.....	J. G. A. Valin	22434
98	Maize starch....	8.75	8.72	2.00	4.00	1.92	5.00	1.70	67.91	.....	.....	"	22435
99	Linseed tissue....	26.24	7.72	4.12	11.20	3.88	13.50	5.24	28.10	.....	.....	"	22442
100	Mostly maize, some wheat and oats.	13.12	12.92	2.4	6.48	1.92	4.50	1.86	56.72	.....	.....	"	22443
101	Mostly wheat bran....	13.12	9.16	1.84	8.68	2.92	12.50	5.44	46.34	.....	.....	"	22444
102	Linseed tissue, pea or bean, starch, char- coal and salt crystals.	15.31	8.16	2.84	12.20	6.60	15.75	10.82	28.32	1.82	.....	"	22445
103	Linseed maize: a little wheat and charcoal.	12.37	8.40	2.00	16.88	8.36	7.80	8.60	35.59	0.20	.....	"	22446
104	Wheat, linseed, char- coal.	20.94	7.80	5.44	18.84	10.08	9.25	13.66	16.07	0.32	.....	Miss E. David- son.	22447
105	Linseed tissue....	30.19	8.32	5.48	9.96	12.04	12.10	5.84	16.06	.....	.....	"	22448
106	Mostly maize.....	10.06	9.68	2.32	3.96	2.72	3.55	1.52	66.19	.....	.....	"	22449
107	Wheat or barley.....	9.19	9.36	1.40	2.44	4.12	6.60	2.42	64.47	.....	.....	"	22450
108	Wheat bran....	15.25	9.28	3.16	8.00	5.04	12.65	6.24	40.38	.....	.....	"	22451
109	Mostly oats....	11.25	9.00	2.48	5.88	4.24	10.78	2.18	54.19	.....	.....	"	22454
110	Linseed tissue.....	27.31	9.36	4.92	10.16	11.84	10.35	7.02	19.04	0.92	.....	"	22455
111	Wheat bran.....	13.56	9.44	2.04	6.60	5.40	10.00	5.04	47.92	.....	.....	"	22456
112	Wheat bran....	14.63	9.08	2.68	7.36	4.64	9.90	6.12	45.59	.....	.....	"	22457
113	Linseed tissue.....	22.56	5.32	4.44	15.44	6.36	10.60	4.00	31.28	.....	.....	"	22458
114	Wheat bran.....	13.63	10.32	1.60	8.72	4.44	10.75	6.06	44.48	.....	.....	Miss E. David- son.	28610
115	Mostly oats.....	11.43	11.36	1.88	6.28	4.72	6.95	4.82	52.56	.....	.....	"	28611
116	Linseed tissue, some wheat and charcoal.	14.06	10.08	0.96	22.40	15.00	10.20	23.68	3.62	0.62	.....	"	28613
117	Linseed tissue.....	31.06	8.56	8.08	7.52	14.68	10.40	7.12	12.58	0.22	.....	"	28615

TABLE I.—INSPECTION OF 127 SAMPLES

Date of Collection.	Nature of Sample.	Number of Sample.	Name and Address of Vendor.	COST.		Inspector's Report.
				Quantity.	Value.	
1905.			<i>District of British Columbia—E. B. Parkinson, Inspector.</i>		Cts.	
Dec. 9	Bran.....	28041	Geo. S. Pearson, Nanaimo, wholesale and retail dealers.	2½ lbs.	05	Lake of the Woods Milling Co.}
" 9	Shorts.....	28043	A. R. Johnston & Co., Nanaimo.	3 "	10	Hammona Milling Co., Seattle, Wash., U.S.A.
" 12	Standard Chop..	28044	Brackman & Kerr, millers, wholesale and retail dealers, Victoria.	5 "	.....	Brackman & Kerr, Victoria.
" 11	Dairy Chop.....	28045	" " " "	5 "	.....	" " " "
" 11	Barley Chop....	28046	Sylvester Feed Co., wholesale and retail, Victoria.	6 "	...	Sylvester Feed Co., Victoria.
" 11	Creamery Chop..	28047	" " " "	6 "	.....	" " " "
" 12	Cocoa-nut Oil Cake.	28050	Brackman & Kerr, Vancouver.	3 "	10	Lever Bros., Sydney, Australia.
" 12	Chop.....	28051	Fred. Allen, wholesaler and retail merchant, Vancouver.	6 "	10	Fred Allen, Vancouver.
" 13	Bran.....	28054	Crowder & Penzer, wholesale and retail feed dealers, Vancouver.	3 "	05	Enderby Flour Milling Co., Enderby, B.C.
" 13	Oil Cake Meal..	28056	S. W. Keith, wholesaler and retail feed merchant, Vancouver.	3 "	05	Canada Paint Co., Winnipeg.
						Winnipeg Linseed Oil Mills. Oil cake meal.

OF FEEDING STUFFS—*Concluded.*

Serial Number.	Observed under the Microscope by A. Lemoine.	RESULTS OF ANALYSIS.										Name of Analyst.	Number of Sample.
		Total proteins(N x 6.25)	Moisture.	Petrol-ether extract = fat.	Alcohol extract after petrol-ether.	Water extract after alcohol.	Crude fibre.	Total ash.	Starch, approximately.	Acid insoluble ash.	Proteids in alcohol extract.		
		p.c.	p.c.	p.c.	p.c.	p.c.	p.c.	p.c.	p.c.	p.c.	p.c.		
118	Mostly wheat bran ...	12.25	9.92	2.12	7.16	5.52	10.50	5.50	47.03			Miss E. Davidson.	28041
119	Wheat and oats.....	15.75	9.24	2.76	10.60	4.56	8.25	5.06	43.78			"	28043
120	Wheat, oats and a little maize.	10.31	9.48	2.52	6.16	3.12	8.25	3.80	56.36			"	28044
121	Maize, oat and wheat..	8.13	9.12	1.20	5.08	4.24	14.60	4.42	53.21			"	28045
122	Maize, oat and wheat or barley.	8.69	11.44	2.04	6.32	1.96	5.85	4.22	59.48			"	28046
123	Oat, maize wheat and another vegetable substance undetermined.	11.50	12.00	2.40	13.16	2.92	3.35	8.24	46.43			"	28047
124	Starch granules resembling oats; other undetermined tissues.	10.93	11.56	13.40	9.80	5.92	13.05	5.12	30.22			A. Lemoine...	28050
125	Wheat and oat starch and a little maize.	11.80	11.32	2.40	5.16	7.08	7.00	2.12	53.12			"	28051
126	Mostly wheat bran ...	17.06	10.88	4.40	11.60	4.84	6.80	4.36	40.06			"	28054
127	Linseed tissue.....	30.13	8.88	6.52	7.12	12.12	10.25	4.28	20.70			Miss E. Davidson.	28056

TABLE II.—INSPECTION OF 40

Date of Collection.	Nature of Sample.	Number of Sample.	Name and Address of Vendor.	COST.		Name and Address of Manufacturer or Furnisher.	Inspector's Report.
				Quantity.	Value.		
1905.			<i>District of Nova Scotia—R. J. Waugh, Inspector.</i>		Cts.		
Dec. 6	Stock Food	27113	S. P. Goudy, Yarmouth, N.S.	1 pkg.	25	Columbia Stock Food Co., Windsor, Ont.	Sample drawn from 21-lb. pkg. Vendor is a general dealer.
" 7	" "	27114	W. M. Carruthers, Kentville, N.S.	1 "	15	International Stock Food Co., Toronto, Ont.	Drawn from 21-lb. pkg. Imported by vendor. General dealer.
" 12	Feed Syrup	27123	Acadia Sugar Refining Co., Halifax, N.S.	3 jars.		Acadia Refining Co., Halifax.	Sample drawn from cask.
			<i>District of New Brunswick—J. C. Ferguson, Inspector.</i>				
Dec. 1	Cattle Food, Stock.	24121	H. S. Wallace, 11-12 South wharf, St. John, N.B., manfg. agents, &c.	3 pkgs.	75	International Stock Food Co., Minneapolis, Min., U. S. A.	Branch at Toronto. Medicated food. See package for full statement.
" 2	Cattle Spice	24123	P. Nash & Son, Ltd., 214 north end Main st., St. John, N.B., wholesalers.	3 "	75	Maritime Spice and Coffee Co., Ltd., St. John, N.B.	'Acun Brand.' Prepared from formula furnished by United States Veterinary. 'Acun Cattle Spice.'
" 13	Stock Food or Cattle Spice	24136	Fairweather Bros., Main st., Moncton, N.B., druggists.	3 "	1 50	The Beaver Manfg. Co., Galt, Ont.	'Herbageum.' Trade Mark, registered.
			<i>District of Prince Edward Island—T. Moore, Inspector.</i>				
Dec. 5	Herb Food	28243	Sterns Bros., Souris.	2 lbs.	25	National Manfg. Co., Truro, N.S.	
			<i>District of Quebec—C. E. Roy, Inspector.</i>				
Nov. 29	Stock Food	29055	P. T. Legare, Que.		50	International Stock Food Co., Minneapolis, Min.	
" 30	" "	29056	Dr. Ed. Morin Medicine Co., Que.	1 bag.	35	Vendors	
Dec. 5	Stock Food	29061	L. N. Jourdain, Three Rivers.	1 bag.	45	The Beaver Manfg. Co., Galt, Ont.	
" 13	" "	29066	A. E. Vallerand, Que.		50	The Morin Medicine Co., Quebec.	
" 16	" "	29068	A. A. Cantin, Que.		50	International Stock Food Co., Minn., U.S.A.	

SAMPLES STOCK FOODS, &c.

Serial Number.	Observed under the Microscope by A. Lemoine.	RESULTS OF ANALYSIS.										Name of Analyst.	Number of Sample.
		Total proteins(N x 6.25)	Moisture.	Petrolic ether extract = fat.	Alcohol extract after petrolic ether.	Water extract after alcohol.	Crude fibre.	Total ash.	Water insoluble ash.	Acid insoluble ash.	Sodium chloride.		
		p.c.	p.c.	p.c.	p.c.	p.c.	p.c.	p.c.	p.c.	p.c.	p.c.		
1	Mostly wheat, some oats and charcoal.	12.48	8.08	2.52	14.68	12.84	10.29	16.88	.....	.....	.....	A. Valin.	27113
2	Mostly wheat and charcoal.	10.94	10.48	1.24	22.76	9.52	9.35	17.24	.....	.....	.....	"	27114
3	.....	None.	27.20	1.40	65.92	5.08	.....	4.58	.....	.....	.....	"	27123
4	Wheat, starch and probably oats; charcoal and linseed.	9.62	8.36	1.20	19.44	5.16	9.25	15.60	.....	.....	.....	A. Valin	24121
5	Fenugreek, linseed tissue, a little wheat.	18.37	8.00	2.60	22.40	9.60	8.40	6.26	.....	.....	.....	"	24123
6	Linseed, wheat and charcoal.	18.93	8.32	2.48	19.04	4.72	7.65	5.74	.....	.....	.....	"	24136
7	Mostly wheat, some charcoal, salt crystals.	8.88	9.32	0.00	7.52	13.44	5.15	29.98	.....	3.86	.....	Miss E. Davidson.	28243
8	Mostly wheat, some charcoal.	11.56	7.80	1.32	24.48	4.09	9.50	15.68	.....	.....	.....	A. Valin.....	29055
9	Oats, wheat, maize starch, linseed meal, fenugreek; other tissues undetermined.	24.50	6.92	8.04	16.56	7.28	5.93	7.20	.....	.....	.....	A. Lemoine...	29056
10	Linseed, wheat, charcoal, salt crystals.	20.56	7.52	3.76	21.68	5.24	11.50	15.40	.....	.....	.....	A. Valin	29061
11	Linseed, a little wheat and charcoal.	24.31	8.04	3.64	9.84	14.96	10.55	7.08	.....	0.14	.....	Miss E. Davidson.	29066
12	Linseed, wheat, charcoal.	10.94	7.64	2.76	21.68	6.12	9.85	17.78	.....	0.32	.....	"	29068

TABLE II.—INSPECTION OF 40

Date of Collection.	Nature of Sample.	Number of Sample.	Name and Address of Vendor.	COST.		Name and Address of Manufacturer or Furnisher.	Inspector's Report.
				Quantity.	Value.		
1905.			<i>District of St. Hyacinthe—J. C. Rouleau, Inspector.</i>		Cts.		
Dec. 5	Herbageum Stock Food.	24788	C. O. Smith, Sutton.	1½ lbs.	15	The Beaver Manfg. Co., Galt, Ont.	Out of a 4-lb. paper bag.
Nov. 28	International Stock Food.	26856	<i>District of Montreal—J. J. Costigan, Inspector.</i> Dupuis & Ferguson, 38 Jacques Cartier Square, Montreal.	3 pkgs.	75	International Stock Food Co., Minneapolis, Minn.	
" 30	Stock Food.....	26859	A. Guertin, 91 Inspector St., Montreal.	3 lbs.	10	Taken from 17-lb. bag. Put up by vendor.	Labelled Canadian vegetable concentrated.
" 30	Cattle Spice.....	26861	" " "	3 "	10	Manfg. by Blatchford's, Philadelphia	Taken from bulk
			<i>District of Ottawa—A. E. Sanderson, Inspector.</i>				
Nov. 6	Stock Food.....	28470	A. Blyth, 69 William St., Ottawa.	1 pkg.	25	International Stock Food Co., Minneapolis, Minn.	Guaranteed.....
" 6	Dr. Hess Stock Food.*	28471	" " "	1 lb.	30	Dr. Hess & Clark, Ashland, U.S.A.	
" 6	Myer's Horse and Cattle Spice.	28481	H. N. Bate & Sons, wholesale, Ottawa.	1 pkg.	19	Myer's, Niagara Falls, N.Y.	
Dec. 5	Herbageum Cattle Food.	29201	R. Burris, Perth, Ont.	5 lbs.	50	Beaver Manfg. Co., Galt, Ont.	
			<i>District of Kingston—J. Hogan, Inspector.</i>				
Nov. 22	Cattle Spice.....	28536	W. P. Peters, Brock st., Kingston.	3 lbs.	09	Not known.....	
" 27	Stock Spice.....	28551	J. A. Farlinger, Morrisburg.	3 "	25	J. A. Farlinger, Morrisburg.	
" 28	Stock Food.....	28557	S. E. Mills, Main st., Prescott.	9 "	75	Columbia Stock Food Co., Windsor.	
" 28	Cattle Spice.....	28561	A. E. Cameron, Brockville.	4 "	50	Baner Manfg. Co.....	
" 30	Stock Food.....	28571	R. McBroon, Gananoque.	3 "	50	International Stock Food Co., Minneapolis.	
.....	Scottish Stock Food.	91695	A. A. Leshe, Aylmer, Ont.				
			<i>District of London—T. Kudd, Inspector.</i>				
Nov. 28	Stock Food.....	22433	Arth. Patrick, Woodstock, wholesale.	2 bots.	10	Stock Food firm, Toronto.	Made in Minneapolis.
" 30	Stock Food for Cattle.	22452	J. K. Black, Clydesdale, Stock Food agent.	½ lb.	05	Clydesdale Stock Food Co., Toronto.	

SAMPLES OF STOCK FOODS, &c.—Continued.

Serial Number.	Observed under the Microscope by A. Lemoine.	RESULTS OF ANALYSIS.										Name of Analyst.	Number of Sample.
		Total proteins(N x 6.25)	Moisture.	Petrolic ether extract fat.	Alcohol extract after petrol ether.	Water extract after alcohol.	Crude fibre.	Total ash.	Water insoluble ash.	Acid insoluble ash.	Sodium chloride.		
		p.c.	p.c.	p.c.	p.c.	p.c.	p.c.	p.c.	p.c.	p.c.	p.c.		
13	Linseed, wheat, charcoal.	20.25	7.56	4.68	19.32	9.32	9.35	13.56	.....	0.24	.....	Miss E. Davidson.	24788
14	Mostly wheat, a little oats and charcoal.	11.37	10.24	2.56	23.60	2.60	7.50	15.26	.....	.....	.....	J. G. A. Valin	26856
15	Fennegreek, a little linseed and maize, mostly wheat.	23.31	0.00	10.52	28.20	8.28	6.20	3.56	.....	.....	.....	"	26859
16	Fennegreek, oat, wheat and maize.	None.	7.44	4.64	16.08	5.08	10.35	4.40	.....	.....	.....	"	26861
17	Wheat and oat starch, charcoal, other vegetable substances undetermined.	13.12	8.04	1.28	21.42	4.40	7.90	19.64	.....	.....	.....	Miss S. E. Wright.	28470
18	Wheat and oat starch, charcoal.	14.87	9.60	2.00	19.96	0.88	5.00	17.98	.....	.....	.....	"	28471
19	Salt crystals and quite a variety of herbs and seeds.	12.31	5.84	1.32	33.60	7.40	13.25	33.20	.....	1.36	.....	Miss E. Davidson.	28481
20	Fennegreek, linseed tissue, salt crystals, charcoal; other vegetable tissues undetermined.	19.50	4.96	6.52	19.36	9.40	8.15	18.40	3.90	0.54	13.50	A. McGill.	29201
21	Mostly linseed	33.69	12.24	4.80	9.20	12.68	10.20	6.58	.....	0.38	.....	Miss E. Davidson.	28536
22	Maize, wheat, linseed, or oat starch.	41.12	7.40	1.98	11.08	9.48	4.35	3.34	.....	.....	.....	"	28551
23	Wheat starch granules bran and charcoal.	10.94	6.60	1.52	15.12	12.64	5.95	17.10	.....	5.48	6.80	"	28557
24	Linseed tissue, wheat starch and charcoal.	21.31	6.44	4.40	21.08	13.48	6.45	14.90	.....	.....	9.10	"	28561
25	Linseed tissue, wheat starch and a little oats.	17.69	6.64	1.36	21.44	5.32	9.40	16.10	2.90	.....	13.00	"	28571
	Salt crystals, some linseed meal tissue; other vegetable substances undetermined.	17.06	1.52	14.20	10.60	3.16	5.05	3.42	.....	.....	.....	"	.....
26	Wheat starch, bran and charcoal.	11.19	7.16	2.04	23.32	1.88	8.80	18.10	3.60	.....	14.00	Miss E. Davidson.	22433
27	Linseed tissue, wheat starch.	20.37	7.08	2.32	21.56	10.68	7.75	16.66	6.00	.....	8.50	"	22452

* Per cent sodium sulphate.

TABLE II.—INSPECTION OF 40 SAMPLES

Date of Collection.	Nature of Sample.	Number of Sample.	Name and Address of Vendor.	CONT.		Name and Address of Manufacturer or Furnisher.	Inspector's Report.
				Quantity.	Value.		
1905.			<i>District of London</i> —Concluded.		Cts.		
Dec. 1	Myer's Spice and Cattle Food.	22453	E. Pitts, Paris.....	1 lb.	10	Myer's Royal Spice Co., Niagara Falls, Ont.	
			<i>District of Manitoba</i> — <i>W. M. Conklin, Inspector.</i>				
Dec. 7	Stock Food.	25704	A. E. McKenzie & Co., Brandon.	4 lbs.	50	The Beaver Man'g. Co., Galt, Ont.	
" 7	Cattle Spice.....	25705	Charles S. Weicum, Brandon.	2 "	35	Magic Spice Co., Montreal.	
" 7	Stock Food.....	25706	Rea & Co., Brandon.	2 "	35	Arabian Medicine Co., Carberry, Man.	
" 8	"	25708	G. C. Hall, Portage la Prairie.	2 "	25	The Clydesdale Stock Food Co., Toronto.	
" 8	"	25709	Swain & Co., Portage la Prairie.	2 "	20	Robt. Ralston & Co., Hamilton.	
" 9	"	25710	W. G. Douglas, Winnipeg.	1 "	10	Carnafac Stock Food Co., Winnipeg.	W. G. Douglas, manuf'r.
" 9	"	25711	Ross & Ross, Winnipeg.	1 "	...	International Stock Food Co., Toronto and Minneapolis.	
Dec. 11	Stock Food.....	25712	Jobin, Marrin Co., Winnipeg.	2 "	25	German Stock Food Co., Minneapolis, U.S.A.	
" 11	"	25714	Woolsey Bros., St. Boniface.	2 "	25	Columbia Stock Food Co., Windsor, Ont.	
" 13	"	25715	Moody & Son, Selkirk	1½ "	15	Dr. Hess & Clark, Ashland, Ohio, U.S.A.	
			<i>District of Calgary</i> — <i>W. Fletcher, Inspector.</i>				
Dec. 15	Cattle Spice.	28614	James Turner & Co., Calgary Branch, wholesalers.	3 pkgs	60	Myers, Niagara Falls, Ont.	
			<i>District of British Columbia</i> — <i>E. B. Parkinson, Inspector.</i>				
Dec. 9	International Stock Food.	28042	Geo. Bevilockway, Nanaimo, wholesale and retail dealer.	3 pkgs	75	International Stock Food Co., Minneapolis, U.S., and Toronto, Can.	
" 11	Stock Food.	28048	Sylvester Feed Co., Victoria.	1 "	50	Sylvester Feed Co., Victoria.	
" 12	Cattle Spice, Myers.	28049	Brackman & Kerr, Vancouver.	3 "	75	Myer's Royal Spice Co., Niagara Falls, N.Y.	

OF STOCK FOODS, &c.—*Concluded.*

Serial Number.	Observed under the Microscope by A. Lemoine.	RESULTS OF ANALYSIS.										Name of Analyst.	Number of Sample.
		Total protein ^(N x 6.25)	Moisture.	Petrolic ether extract = fat.	Alcohol extract after petrolic ether.	Water extract after alcohol.	Crude fibre.	Total ash.	Water insoluble ash.	Acid insoluble ash.	Sodium chloride.		
		p.c.	p.c.	p.c.	p.c.	p.c.	p.c.	p.c.	p.c.	p.c.	p.c.		
28	Fennegreek, seeds, pieces of stems, chaff, &c.	11.38	6.12	1.92	35.04	4.96	9.25	29.70	6.00	.....	22.30	Miss E. Davidson.	22453
29	Wheat starch, salt crystals, linseed tissue.	20.56	7.08	5.60	4.68	18.80	8.00	13.80	3.60	.....	9.2	Miss E. Davidson.	26704
30	.....	15.75	9.04	10.64	14.68	17.04	6.70	10.04	.....	0.70	.....	" ..	25705
31	Salt crystals, wheat starch, charcoal.	10.25	7.24	5.28	18.28	14.52	3.35	25.90	3.50	.....	21.10	" ..	25706
32	Linseed tissue, wheat starch, charcoal.	18.38	7.76	2.68	14.24	11.24	9.30	14.40	5.00	.....	7.30	" ..	25708
33	Linseed tissue, salt crystals, wheat starch.	15.94	7.24	7.24	14.40	7.00	5.00	13.60	3.30	.....	10.00	" ..	25709
34	Linseed tissue, wheat starch, charcoal.	16.19	7.16	3.76	14.88	9.08	14.20	10.20	2.80	.....	4.00	" ..	25710
35	" ..	12.06	6.44	4.12	9.04	16.08	9.25	16.30	3.30	.....	12.50	" ..	25711
36	Linseed tissue, wheat starch, charcoal.	12.44	6.40	5.76	14.48	9.16	7.65	13.30	4.30	.....	7.10	" ..	25712
37	Salt crystals, wheat starch, rest undetermined.	12.00	5.00	2.44	34.52	9.32	9.45	33.00	.....	2.46	.....	" ..	25714
38	Wheat starch, bran, charcoal.	12.19	5.72	2.88	19.00	6.64	7.55	20.80	4.90	.....	13.10	" ..	25715
39	Salt crystals, linseed meal, other vegetable tissues undetermined.	11.63	4.36	3.16	15.36	11.68	14.10	22.50	10.00	15.00	6.90	Miss E. Davidson.	28614
40	Mostly wheat, some charcoal.	10.06	10.32	2.12	22.16	3.60	7.90	*16.38	.....	0.34	.....	Miss E. Davidson.	28042
41	Mostly linseed, other substances undetermined.	15.75	9.40	4.88	12.64	8.48	9.35	5.96	.....	.....	.....	" ..	28048
42	Fennegreek, wheat, maize and linseed.	11.31	6.08	1.44	35.72	6.20	7.70	35.50	.....	3.76	.....	" ..	28049

* Contains salt.

† Sodium sulphate.

