

**CIHM
Microfiche
Series
(Monographs)**

**ICMH
Collection de
microfiches
(monographies)**



Canadian Institute for Historical Microreproductions / Institut canadien de microreproductions historiques

© 1998

The copy filmed here has been reproduced thanks to the generosity of:

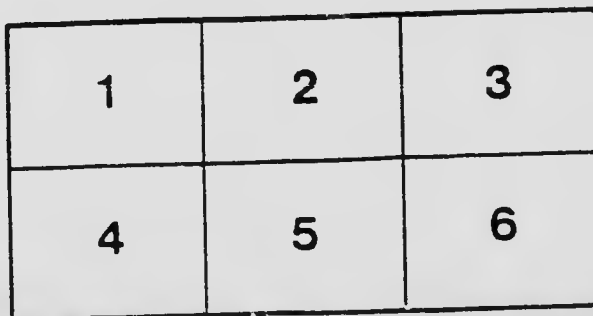
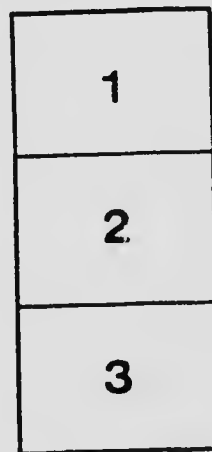
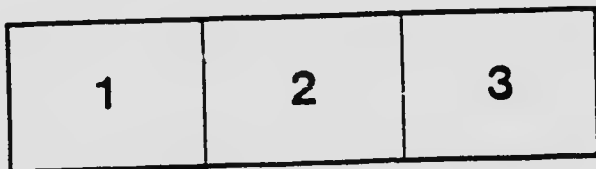
National Library of Canada

The images appearing here are the best quality possible considering the condition and legibility of the original copy and in keeping with the filming contract specifications.

Original copies in printed paper covers are filmed beginning with the front cover and ending on the last page with a printed or illustrated impression, or the back cover when appropriate. All other original copies are filmed beginning on the first page with a printed or illustrated impression, and ending on the last page with a printed or illustrated impression.

The last recorded frame on each microfiche shall contain the symbol \rightarrow (meaning "CONTINUED"), or the symbol ∇ (meaning "END"), whichever applies.

Maps, plates, charts, etc., may be filmed at different reduction ratios. Those too large to be entirely included in one exposure are filmed beginning in the upper left hand corner, left to right and top to bottom, as many frames as required. The following diagrams illustrate the method:



L'exemplaire filmé fut reproduit grâce à la générosité de:

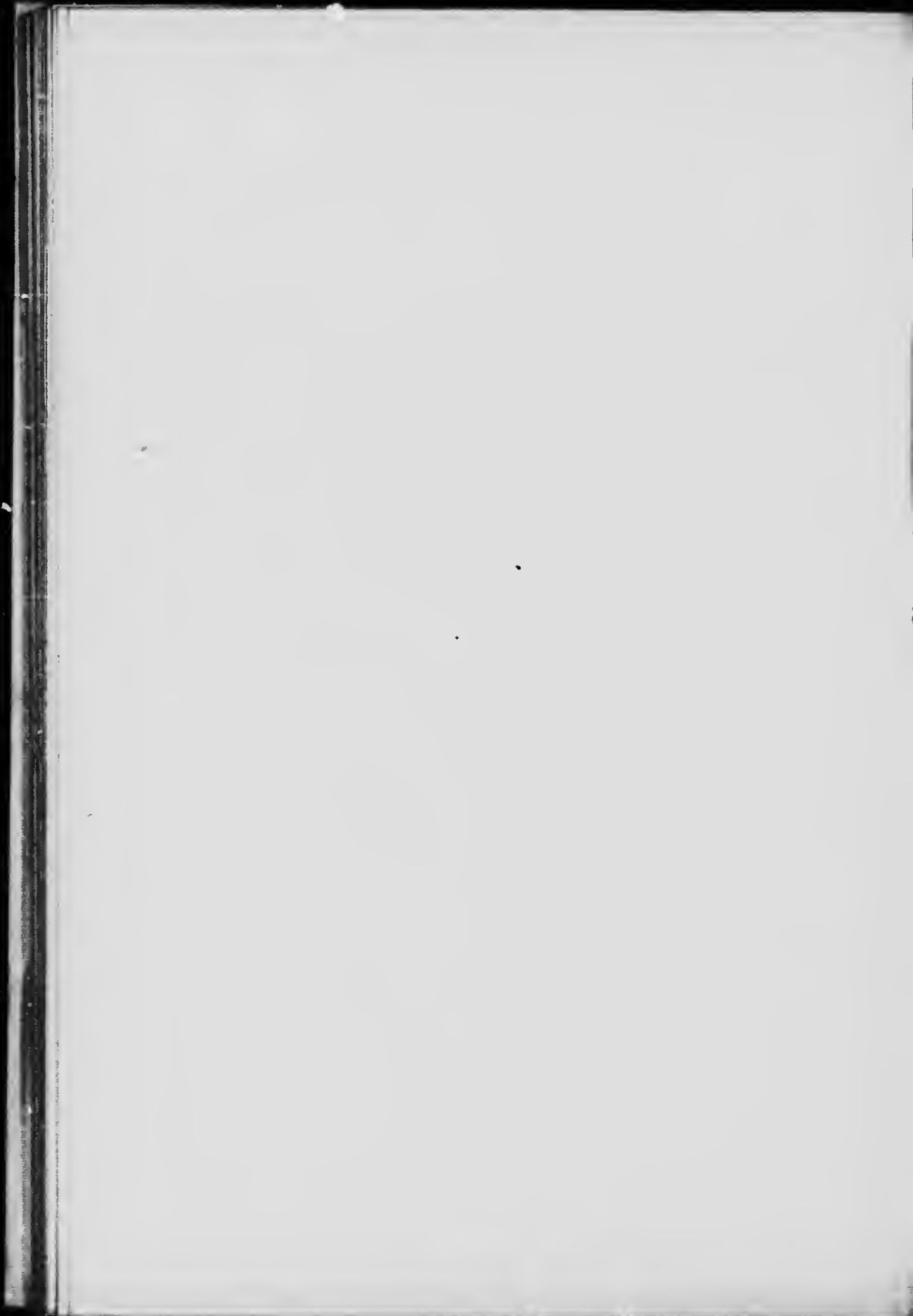
Bibliothèque nationale du Canada

Les images suivantes ont été reproduites avec le plus grand soin, compte tenu de la condition et de la netteté de l'exemplaire filmé, et en conformité avec les conditions du contrat de filmage.

Les exemplaires originaux dont la couverture en papier est imprimée sont filmés en commençant par le premier plat et en terminant soit par la dernière page qui comporte une empreinte d'impression ou d'illustration, soit par le second plat, selon le cas. Tous les autres exemplaires originaux sont filmés en commençant par la première page qui comporte une empreinte d'impression ou d'illustration et en terminant par la dernière page qui comporte une telle empreinte.

Un des symboles suivants apparaîtra sur la dernière image de chaque microfiche, selon le cas: le symbole \rightarrow signifie "A SUIVRE", le symbole ∇ signifie "FIN".

Les cartes, planches, tableaux, etc., peuvent être filmés à des taux de réduction différents. Lorsque le document est trop grand pour être reproduit en un seul cliché, il est filmé à partir de l'angle supérieur gauche, de gauche à droite, et de haut en bas, en prenant le nombre d'images nécessaire. Les diagrammes suivants illustrent la méthode.



LABORATORY
OF THE
INLAND REVENUE DEPARTMENT

OTTAWA, CANADA

BULLETIN No. 105

FERTILIZERS AS SOLD

LABORATORY

OF THE

INLAND REVENUE DEPARTMENT

OTTAWA, CANADA

BULLETIN No. 105

FERTILIZERS AS SOLD

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

OTTAWA, August 19, 1905.

DEAR SIR,—I have the honour to present you the results of analysis of 88 samples of Fertilizers, purchased in the open market during the months of April, May and June of this year.

This procedure is in accordance with the terms of Section 5 of the Fertilizers Act, which requires not only that manufacturers, importers or vendors shall furnish standard samples of the brands which they propose to place on the market, but that such action shall not limit the right of the inspector to procure samples for analysis in accordance with the subsequent provisions of the Act.

The samples now reported may be classified as follows:—

District.	Total inspected.	Genuine.	Below guarantee.	Not registered.	Doubtful.
Nova Scotia.....	7	4	0	3	0
Prince Edward Island.....	2	1	0	1	0
New Brunswick.....	7	4	2	1	0
Quebec.....	7	7	0	0	0
St. Hyacinthe.....	10	3	3	2	2
Montreal.....	15	10	4	0	1
Kingston.....	10	6	0	4	0
Toronto.....	12	7	1	3	1
London.....	10	3	0	7	0
British Columbia.....	8	5	0	3	0
Total.....	88	50	10	24	4

The samples whose analysis is now reported, should be directly comparable with one or other of the brands registered in Bulletin 101. Much difficulty has been found in identifying the samples purchased, and the inspectors have in many cases, been uncertain as to identity. Hence it comes that four (4) samples are marked 'doubtful,' and it is quite possible that some of the samples classed as 'not registered' may owe this to imperfect description.

I would suggest that manufacturers and importers, be required to distinguish each brand by a perfectly distinctive name (as is already done by many manufacturers) and that the brand so distinguished should be always sold under its proper name. Such names as 'Potato fertilizer' 'Bone meal' 'Lawn fertilizer' etc., are too general and permit of much error in comparison with standards. It would also be well that, in buying samples on the open market, the inspector should carry with him a copy of the list of standard fertilizers registered for the year, and require each vendor to identify the sample sold by him, with a registered brand; failing which, the sample sold by him would of course, fall into the class of unregistered fertilizers.

I beg to recommend that this report be published as Bulletin 105.

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

A. MCGILL,
Acting Chief Analyst.

RECORD of Fertilizer

Date of Collection.	Name of Sample or Brand.	No. of Sample.	Name and Address of Vendor.	Name and Address of Manufacturer or Furnisher.	Inspector's Report.
<i>District of Nova Scotia— R. J. Waugh, Inspector.</i>					
April 25	Potato Manure	20485	Capt. C. O. Allen, Kentville, N.S.	Pidgeon Fertilizer Co., Windsor, N.S.	As sold. As guaranteed. Standard sample (1710)
" 25	Orchard Fertilizer.	20486	" " "	" " "	As sold. As guaranteed. Standard sample (1712)
" 26	Swift's Animal Brand for all crops.	20189	R. E. Harris, Wolf- ville, N.S.	Swift's Lowell Co., Boston, Mass.	As sold. As guaranteed. Standard sample (1677)
" 26	Potato and Vegetable Phosphate.	20491	F. W. Woodman, Wolfville, N.S.	Bowker, Boston, Mass.	As sold. As guaranteed. Standard sample (1680)
" 26	Hill and Drill Phosphate	20492	" " "	" " "	As sold. As guaranteed. Standard sample
" 27	Blood, Bone and Potash Fertilizer.	20494	F. W. Dimock, Windsor, N.S.	Nova Scotia Fertiliz- er Co., Halifax, N.S.	As sold. As guaranteed. Standard sample (1691)
" 27	Ceres Brand.....	20495	" " "	" " "	As sold. As guaranteed. Standard sample (1693)
<i>District of P. E. Island— T. Moore, Inspector.</i>					
May 3	Bowker's Bone and Pot- ash Square Brand.	24424	F. W. Strong, Sum- merside, P. E. I.	Bowker Mfg. Co., New York.	As sold. As guaranteed. Standard sample
" 3	Swift's Lowell Animal Brand.	24428	J. D. Schurman, Kensington, P. E. I.	Swift's Lowell Fer- tilizer Co., Boston.	As sold. As guaranteed. Standard sample (1677)
<i>District of New Brun- swick—J. C. Ferguson, Inspector.</i>					
April 19	Fertilizer.....	23891	Mfr.....	Thos. Reid, Parish of Simonds, St. John County, N.B.	As sold. As guaranteed. Standard sample (1645)
" 26	Swift's Potato Phosphate	23894	Sussex Mercantile Co., Sussex, N. B.	New England Fert- ilizer Co., Boston, Mass.	As sold. As guaranteed. Standard sample (1676)
" 27	Potato Special	23897	Toombs & Son, Main st., Mon- cton.	The American Agri- Chemical Co.	As sold. As guaranteed. Standard sample (1669)
May 9	Climax Phosphate.	24002	F. M. Murchie, King street, St. Stephen.	" "	As sold. As guaranteed. Standard sample (1664)
" 11	Potato and Vegetable Phosphate.	24004	A. R. Hallet, Grand Falls station.	Bowker Fertilizer Co., Boston, Mass.	As sold. As guaranteed. Standard sample

Samples as Sold, 1905.

RESULTS OF ANALYSIS.											Analyst.	Remarks.	No. of Sample.
Nitrogen.		Phosphoric Acid.						Potash.	Moisture.	Relative value per ton, 2000 lbs.			
Total.	As Ammonia.	Soluble in water.	Citric Soluble.	Insoluble.	Total.	Available.							
p.c.	p.c.	p.c.	p.c.	p.c.	p.c.	p.c.	p.c.	p.c.	%	cts			
2 74	3 33	4 73	3 64	1 13	9 50	8 37	4 15	11 99	23 48	M. Bowman	Unadulterated	20485	
2 38	3 70	7 35	1 92	2 75	2 02	9 27	4 77	13 04	24 62	"	Unadulterated	20486	
0 22	0 27	4 43	2 07	0 43	7 53	7 10	10 81	10 83	19 29	"	Unadulterated	20487	
Trs.	Trs.	5 12	2 72	0 63	8 47	7 84	11 41	12 64	20 73	"	Unadulterated	20489	
2 02	2 45	6 72	2 71	1 00	10 43	9 43	5 81	12 61	21 08	"	Unadulterated	20490	
2 74	3 72	6 39	2 83	2 48	11 70	9 22	5 15	10 64	24 99	"	Not registered and there- fore illegally sold.	20491	
1 79	2 18	5 98	4 05	2 05	12 08	10 03	1 06	12 20	19 39	"	Not registered and there- fore illegally sold. Compar- ison with 1680 is question- ably correct.	20492	
3 29	1 00	6 00	2 00	1 00	9 00	8 00	7 00			"	Not registered and there- fore illegally sold.	20493	
3 44	4 18	7 03	0 65	2 55	10 23	7 08	8 08	13 12	20 67	"	Not registered and there- fore illegally sold.	20494	
2 27	2 75	6 57	3 07	1 44	11 68	10 24	2 13	11 81	22 20	"	Not registered and there- fore illegally sold.	20495	
1 79	2 18	6 45	8 89	1 31	10 65	9 34	3 08	6 89	19 39	"	Not registered and there- fore illegally sold. This fertilizer is made by the Prov. Chem. Fertilizer Co., St. John, N.B. Compar- ison with 1691 is un- certain.	20496	
1 82	2 21	7 99	1 61	4 79	14 39	9 60	4 88	8 44	23 86	"	Up to guarantee	20495	
1 74	2 11	3 27	5 41	3 95	12 63	8 68	3 20	8 85	20 18	"	Up to guarantee	20495	
2 10	2 55	8 95	0 65	1 43	11 03	9 60	4 53	13 28	23 55	"	Up to guarantee	20495	
1 65	2 01	1 01	6 26	3 84	11 12	7 27	2 00	17 28	16 86	"	Not registered, and there- fore illegally sold.	24424	
2 35	2 86	6 85	2 34	1 78	10 98	9 19	4 09	15 92	23 41	"	Unadulterated	24428	
2 74	3 72	6 39	2 83	2 48	11 70	9 22	5 15	10 64	24 99	"	Unadulterated	24428	
3 00	3 64	1 97	3 88	3 97	9 82	5 85	3 15	24 97	21 17	"	Not up to standard in avail- able phosphoric acid.	24428	
2 88	3 50	3 20	8 96	6 20	18 36	12 16	3 75	20 80	29 10	"	Below guarantee in potash.	24428	
1 96	2 38	4 80	2 79	2 06	9 65	7 59	3 57	11 07	19 68	"	Below guarantee in potash.	24428	
2 68	3 26	6 27	2 37	2 23	10 87	8 64	6 68	10 88	26 59	"	Unadulterated. (Mr. Bow- man identifies this with No. 1660, Bulletin 101.) Identification doubtful.	24428	
2 16	2 62	4 93	3 53	2 56	11 02	8 40	3 45	12 59	21 36	"	Unadulterated	24428	
0 82	1 00	2 00	2 00	1 00	5 00	4 00	8 00			"	Unadulterated	24428	
0 70	0 85	3 52	2 60	2 55	8 76	6 21	7 14	12 40	17 47	"	Unadulterated	24428	
1 34	1 63	6 09	2 84	2 29	11 22	8 93	2 22	13 55	17 97	"	Unadulterated	24002	
1 03	1 25	6 00	2 00	2 00	10 00	8 00	2 00			"	Unadulterated	24002	
1 47	1 79	3 84	4 63	3 84	12 31	8 47	2 62	14 08	18 47	"	Not registered and there- fore illegally sold.	24004	
1 99	2 41	6 03	3 54	2 51	12 11	9 60	3 18	14 03	21 86	"	Not registered and there- fore illegally sold.	24004	

RECORD of Fertilizer

Date of Collection.	Name of Sample or Brand.	No. of Sample.	Name and Address of Vendor.	Name and Address of Manufacturer or Furnisher.	Inspector's Report.
<i>District of New Brunswick—Con.</i>					
May 12	Great Eastern Grass and Oats.	24006	Solomon Perley, Woodstock, N.B.	The American Agricultural Co., New York.	As sold As guaranteed Standard sample (1625)
" 15	Special Potato Phosphate	24009	James A. Bell, Fredericton.	Provincial Chemical Fertilizer Co., St. John, N.B.	As sold As guaranteed Standard sample (1687)
<i>District of Quebec—Gen. Mulrooney, Inspector.</i>					
June 12	Victor	25401	J. B. Renaud, St. Paul st., Quebec.	Capelton Chemical Co., Buckingham.	As sold As guaranteed Standard sample (1608)
" 12	"	25402	P. T. Legare, St. Paul st., Quebec.	Nichols Chemical Co. Capelton.	As sold As guaranteed Standard sample (1608)
" 12	No. 1.	25403	" "	Capelton Chemical Co.	As sold As guaranteed Standard sample (1605)
" 12	Capelton	25404	" "	" "	As sold As guaranteed Standard sample (1610)
" 12	Sure Growth.	25405	Eng. Julien, St. Sauveur.	Fryeman Fertilizer Co.	As sold As guaranteed Standard sample (1630)
" 12	Tobacco Manure	25406	" "	" "	As sold As guaranteed Standard sample (1636)
" 12	Thomas Phosphate	25407	" "	Imported.	As sold As guaranteed Standard sample (1620)
<i>District of St. Hyacinthe—J. C. Rouleau, Inspector.</i>					
April 25	Bradley's Fertilizer.	24675	A. McLeay & Kiddle Bros.	Bradley Fertilizer Co., Boston, Mass.	As sold As guaranteed Standard sample (1652)
" 26	Victor	24676	L. E. Thibault, Plessisville.	The Chemical Co. of Canada, Capelton, Que.	As sold As guaranteed Standard sample (1608)
" 26	"	24677	G. P. Nadeau, Stanfold.	" "	As sold As guaranteed Standard sample (1608)
" 26	Blood, Bone and Potash Fertilizer.	24678	F. Allard, Stanfold	Provincial Chemical Fertilizer Co., St. John, N.B.	As sold As guaranteed Standard sample (1691)
" 26	Potato Fertilizer.	24679	Nolin & Roux, Stanfold.	Bowker Fertilizer Co., Boston.	As sold As guaranteed Standard sample (1647)
" 27	Read's Practical Potato Special.	24680	H. C. Baldwin, Dixville Road, Coaticook.	The American Agricultural Chemical Co., New York.	As sold As guaranteed Standard sample (1669)
" 28	Pacific Nobisque Gnano.	24681	" "	" "	As sold As guaranteed Standard sample (1661)
" 28	Bradley's Alkaline Bone with Potash.	24682	" "	" "	As sold As guaranteed Standard sample (1663)

Samples as sold in 1905—Continued.

RESULT OF ANALYSIS.											Analyst.	Remarks.	No. of Sample.	
Nitrogen.		Phosphoric Acid.					Potash.	Moisture.	Relative value per ton, = 100 lbs.	* etc.				
Total.	As Ammonia.	Soluble in water.	Citric Soluble.	Insoluble.	Total.	Available.								
p.c.	p.c.	p.c.	p.c.	p.c.	p.c.	p.c.	p.c.	p.c.						
0.14	0.17	7.15	3.81	2.14	13.10	10.96	1.93	12.46	15.38		man	Unadulterated	24676	
Tr.	Tr.	6.71	1.00	2.23	13.11	10.88	3.03	14.36	12.31			Up to guarantee	24679	
1.46	1.77	6.14	3.50	3.63	13.28	9.64	3.53	10.06	20.8					
2.24	2.72	7.99	1.01	5.11	14.71	9.60	8.14	7.44	28.64					
2.52	3.06	5.55	1.90	6.42	13.87	7.45	2.29	9.45	21.52		J. T. Donald	Up to guarantee	25401	
2.00	2.00	11.00	1.00	1.00	1.00	1.00	7.00	3.00	3.00					
2.50	3.15	5.75	1.13	5.27	12.15	6.88	4.96	11.24	23.49			According to guarantee	25402	
2.03	2.46	3.55	2.41	4.50	10.46	5.96	2.26	11.68	17.43					
2.59	3.15	5.75	1.13	5.27	12.15	6.88	4.96	11.24	23.49			Genuine	25403	
0.91	1.10	5.07	3.02	8.03	16.12	8.09	0.42	8.76	15.31					
									11.50					
		9.75	2.72	5.43	17.90	12.47			11.08	16.32			According to guarantee	25404
0.35	0.42	5.47	1.83	7.66	14.96	7.30	0.13	11.06	12.18					
									8.00					
1.19	1.45	5.91	0.30	6.23	12.53	0.30			12.32	13.44			According to guarantee	25405
3.18	3.86	4.03	4.73	4.48	13.24	8.76	1.99	12.48	24.17					
	3.50								3.00					
2.94	3.57	5.24	3.21	7.03	15.48	8.45	2.85	15.60	24.18			According to guarantee	25406	
4.62	5.61	3.38	3.51	3.37	10.26	6.89	6.27	12.54	30.89					
	6.00								7.00					
4.90	5.95	5.76	2.71	4.80	27	8.47	6.40	13.96	34.39			Genuine	25407	
			11.61	5.31	2				0.09	14.36				
										17.65				
1.06	1.29	7.52	2.84	2.67		14.14				17.52			The name under which sold is not sufficiently explicit for certain identification.	24675
1.03	1.25	6.00	2.00	2.30	16.00	8.00	2.00			17.32				
1.33	1.61	5.84	2.26	3.64	10.68	7.04	1.89	13.85	15.63				Below guarantee in available phosphoric acid.	24678
1.65	2.01	4.75	0.02	4.78	9.55	4.77	2.52	10.42	15.29					
	2.00								7.00	3.00				
	3.15	5.75	1.13	5.27	12.15	6.88	4.96	11.24	23.49				Slightly below guarantee in available phosphoric acid.	24677
	2.26	5.71	6.71	3.98	9.90	5.92	3.08	11.81	17.67					
	2.00								7.00	3.00				
2.50	3.15	5.75	1.13	5.27	12.15	6.88	4.96	11.24	23.49				Slightly below guarantee in potash.	24678
1.42	1.73	6.65	0.66	4.25	11.56	7.31	2.94	12.57	17.73					
	2.00								7.00	4.00				
1.82	2.21	7.99	1.61	4.79	14.39	9.60	4.88	8.44	23.86				Not sufficiently described to permit of certain identification with standard.	24679
0.95	1.16	4.48	2.91	1.26	8.59	7.39	5.08	8.51	17.24					
2.06	2.50	5.00	3.00	2.00	10.00	8.00	3.00							
1.40	1.70	7.16	0.33	4.79	12.28	7.49	3.37	13.30	18.52					
0.96	1.16	4.29	2.56	2.58	8.43	5.86	8.36	10.01	20.34				Above guarantee in every respect.	24680
0.82	1.00	2.00	2.00	1.00	5.00	4.00	8.00							
0.70	0.85	3.52	2.69	2.55	8.76	6.21	7.14	12.90	17.47				Genuine	24681
1.56	1.89	3.65	2.54	2.69	8.88	6.19	4.01	16.30	15.28					
1.03	1.25	6.00	2.00	2.00	10.00	8.00	2.00							
1.54	1.87	4.79	3.21	3.19	11.19	8.00	1.91	14.04	17.38					
0.42	0.51	4.84	5.51	2.66	13.01	10.35	1.85	13.93	15.92				Up to guarantee	24682
		6.00	5.00	1.00	12.00	11.00	2.00							
0.28	0.34	6.07	4.10	2.87	13.04	10.17	2.24	13.77	15.84					

RECORD of Fertilizer

Date of Collection.	Name of Sample or Brand.	No. of Sample.	Name and Address of Vendor.	Name and Address of Manufacturer or Furnisher.	Inspector's Report.
	<i>District of St. Hyacinthe—Con.</i>				
May	3 Sure Crop Fertilizer.	24683	C. M. Chappel, St. Alexander.	Bowker Fertilizer Co., Boston.	As sold. As guaranteed. Standard sample.
"	3 6% Potato Fertilizer.	24694	A. J. Gosselin, St. Alexander.	"	As sold. As guaranteed. Standard sample.
	<i>District of Montreal—J. J. Costigan, Inspector.</i>				
"	8 Standard.	25216	Brodie & Harvie, 7 Bleury st., Montreal.	Standard Fertilizer Chemical Co., Smith's Falls.	As sold. As guaranteed. Standard sample (1640)
"	8 Special.	25217	"	"	As sold. As guaranteed. Standard sample (1639)
"	9 Bone and Potash.	25218	Wm. Ewing & Co., McGill St.	W. A. Freeman Co., Hamilton.	As sold. As guaranteed. Standard sample (1631)
"	9 Lawn Fertilizer.	25219	"	"	As sold. As guaranteed. Standard sample (1630)
"	9 Bone Meal.	25220	"	"	As sold.
"	9 Celery and Vegetable.	25221	"	"	As guaranteed. Standard sample (1637) As sold. As guaranteed. Standard sample (1632)
"	9 Tankage.	25222	"	"	As sold.
"	9 Sure Growth.	25223	"	"	As guaranteed. Standard sample (1635) As sold.
"	10 No. 1 Fertilizer.	25224	R. J. Latimer & Co., St. Antoine st., Montreal.	Capelton Chemical Fertilizer Co., Buckingham.	As sold. As guaranteed. Standard sample (1605)
"	10 Royal Canadian.	25225	"	Nichols Chemical Co.	As sold. As guaranteed. Standard sample (1607)
"	10 Victor.	25226	"	"	As sold. As guaranteed. Standard sample (1608)
June	30 Fertilizer.	25227	Laing Packing & Provision Co., Montreal.	Laing Packing & Provision Co., Montreal.	As sold. As guaranteed. Standard sample (1612)
"	13 Fertilizer, Eclipse Brand.	25408	R. F. McKee, Richmond, P.Q.	American Agricultural Chemical Co.	As sold. As guaranteed. Standard sample (1651)
"	13 Potato Fertilizer.	25409	Kerr & Foss, Sherbrooke, P.Q.	"	As sold. As guaranteed. Standard sample (1647)
"	13 Eclipse Brand.	25410	"	"	As sold. As guaranteed. Standard sample (1651)

Samples as sold in 1905—Continued.

RESULT OF ANALYSIS.										Relative value per ton, 2,000 lbs.	Analyst.	Remarks.	No. of Sample.
Nitrogen.		Phosphoric Acid.						Potash.	Moisture.				
Total.	As Ammonia.	Soluble in water.	Citric Soluble.	Insoluble.	Total.	Available.							
p.c.	p.c.	p.c.	p.c.	p.c.	p.c.	p.c.	p.c.	p.c.	cts.				
1.17	1.42	3.20	3.45	3.32	9.97	6.65	2.15	18.38	14.74	J. T. Donald	Brand not registered	24683	
1.29	1.56	5.35	2.39	1.27	9.01	7.74	2.42	9.58	16.22	"	"	24694	
2.41	2.93	7.84	2.15	3.19	13.18	9.99	1.92	10.97	22.84	"	According to guarantee	25216	
2.73	3.31	6.90	2.37	3.39	12.66	9.27	2.10	9.08	23.22	"	"	25217	
2.91	3.54	0.71	8.67	3.04	12.42	9.38	6.28	9.18	27.46	"	"	25218	
3.29	3.99	7.54	1.93	2.55	12.02	9.47	7.25	12.36	30.37	"	"	25219	
2.57	3.12	0.29	7.75	4.68	12.72	8.04	5.57	5.80	24.53	"	"	25220	
2.59	3.14	4.48	2.88	6.52	13.88	7.36	4.98	15.60	24.78	"	Is imperfectly described so as to make identification doubtful. Appears to be low in potash.	25221	
2.12	2.57	0.93	9.74	3.57	14.24	10.67	1.74	12.42	21.82	"	"	25222	
2.94	3.57	5.24	3.21	7.03	15.48	8.45	2.85	15.60	24.18	"	Genuine	25223	
2.39	2.91	10.59	12.21	22.80	10.59	10.04	23.43			"	"	25224	
4.10	4.98	17.58	5.44	23.02	17.58	5.56	34.09			"	"	25225	
3.73	4.53	6.84	2.96	3.98	13.78	9.80	3.94	10.66	29.28	"	Above guarantee in phosphoric acid, but below guarantee in ammonia and potash.	25226	
5.04	6.12	5.12	3.04	4.31	12.47	8.16	5.14	13.64	33.04	"	"	25227	
7.33	8.90	0.11	10.28	2.98	13.37	10.39	0.45	10.97	37.71	"	"	25228	
7.11	8.63	13.74	2.72	16.46	13.74	7.20	38.68			"	"	25229	
3.52	4.27	5.63	3.15	4.13	12.91	8.78	3.30	16.25	26.70	"	Above guarantee in phosphoric acid, ammonia and potash.	25230	
2.94	3.57	5.24	3.21	7.03	15.48	8.45	2.85	15.60	24.18	"	"	25231	
0.51	0.62	4.44	2.41	7.49	14.34	6.83	0.31	7.41	12.25	"	Low in available phosphoric acid.	25232	
1.70	1.99	3.78	0.97	7.04	11.79	4.75	1.26	10.98	14.74	"	Far below guarantee in available phosphoric acid, ammonia and potash.	25233	
4.55	5.52	8.63	1.77	3.67	14.07	10.40	6.34	6.52	28.83	"	"	25234	
1.77	2.15	3.51	1.48	6.91	11.90	4.99	1.18	9.31	14.21	"	Below guarantee in available phosphoric acid and potash.	25235	
2.59	3.15	5.75	1.13	5.27	12.15	6.88	4.96	11.24	23.49	"	"	25236	
9.73	11.81	5.14	0.76	5.90	5.14	7.70	38.95			"	Genuine	25237	
7.30	8.86	11.20	1.59	12.79	11.20	9.16	32.51			"	"	25238	
1.26	1.53	5.02	2.71	2.73	10.46	7.73	1.97	11.33	16.06	"	According to guarantee	25239	
1.03	1.25	6.00	2.00	2.00	10.00	8.00	2.00			"	"	25240	
1.44	1.75	4.48	2.44	3.51	10.43	6.92	2.41	14.10	16.42	"	"	25241	
2.17	2.63	3.63	3.98	2.34	9.95	7.61	2.13	8.57	18.92	"	"	25242	
2.06	2.50	5.00	3.00	2.00	10.00	8.00	3.00			"	"	25243	
1.40	1.70	7.16	0.33	4.79	12.28	7.49	3.37	13.30	18.52	"	"	25244	
1.12	1.36	4.99	3.06	1.67	9.72	8.05	2.15	18.41	15.79	"	"	25245	
1.03	1.25	6.00	2.00	2.00	10.00	8.00	2.00			"	"	25246	
1.44	1.75	4.48	2.44	3.51	10.43	6.92	2.41	14.10	16.42	"	"	25247	

RECORD of Fertilizer

Date of Collection.	Name of Sample or Brand.	No. of Sample.	Name and Address of Vendor.	Name and Address of Manufacturer or Furnisher.	Inspector's Report.
<i>District of Kingston— J. J. Costigan, Inspector.</i>					
April 28	Victor.....	25240	Jas. Truesdell, Brockville, Ont.	Nichols' Chemical Co.	As sold.....
" 28	Corn Special.....	25241	H. Brown & Son, Brockville.	" "	As guaranteed.....
" 28	Standard.....	25242	J. D. Mills, Pres- cott, Ont.	Read Fertilizer Co..	Standard sample (1608)
" 28	Vegetable and Vin.....	25243	J. D. Mills, Pres- cott, Ont.	" "	As sold.....
" 28	Potato Special.....	25244	J. D. Mills, Pres- cott, Ont.	" "	As guaranteed.....
" 28	Corn Special.....	25245	A. Smaids, Pres- cott, Ont.	Nichols' Chemical Co.	Standard sample (1655)
" 28	Victor.....	25246	A. Smaids, Pres- cott, Ont.	" "	As sold.....
" 28	Special.....	25247	A. Smaids, Pres- cott, Ont.	" "	As guaranteed.....
" 28	No. 1.....	25248	A. Templeton, Ox- ford Mills.	" "	As sold.....
" 28	Potato Fertilizer, Brad- leys.	25249	Robert Palton, Bishop's Mills.	American Agricul- tural Chemical Co.	Standard sample (1605)
<i>District of Toronto— J. J. Costigan, Inspector.</i>					
May 2	Potato Manure.....	25267	Rufus R. Gage, St. Catharines.	Freeman's, Hamilton	As sold.....
" 2	Peruvian Guano.....	25268	Rufus R. Gage, St. Catharines.	Edmond Mortimer Co., New York.	As guaranteed.....
" 2	Complete Manure.....	25269	Tilerington Co., St. Catharines.	American Agricul- tural Chemical Co.	Standard sample (1634)
" 2	B. D. Seafowl Guano ..	25270	Tilerington Co., St. Catharines.	" "	As sold.....
" 2	Potato Fertilizer.....	25271	Tilerington Co., St. Catharines.	" "	As guaranteed.....
" 3	Ground Bone.....	25272	A. St. C. Fisher, Queenston, Ont.	" "	Standard sample (1686)
" 3	Crokera's wheat and corn.	25273	A. St. C. Fisher.	" "	As sold.....
<i>District of Toronto— J. J. Costigan, Inspector.</i>					
" 3	Crokera's wheat and corn.	25273	A. St. C. Fisher.	" "	As guaranteed.....
<i>District of Toronto— J. J. Costigan, Inspector.</i>					
" 3	Crokera's wheat and corn.	25273	A. St. C. Fisher.	" "	Standard sample (1650)
<i>District of Toronto— J. J. Costigan, Inspector.</i>					
" 3	Crokera's wheat and corn.	25273	A. St. C. Fisher.	" "	As sold.....
<i>District of Toronto— J. J. Costigan, Inspector.</i>					
" 3	Crokera's wheat and corn.	25273	A. St. C. Fisher.	" "	As guaranteed.....
<i>District of Toronto— J. J. Costigan, Inspector.</i>					
" 3	Crokera's wheat and corn.	25273	A. St. C. Fisher.	" "	Standard sample (1684)

Samples as sold in 1905—Continued.

RESULT OF ANALYSIS.											Analyst.	Remarks.	No. of Sample.
Nitrogen.		Phosphoric Acid.					Potash.	Moisture.	Relative value per ton, 2000 lbs.	cts.			
Total.	As Ammonia.	Soluble in water.	Citric Soluble.	Insoluble.	Total.	Available.							
p.c.	p.c.	p.c.	p.c.	p.c.	p.c.	p.c.	p.c.	p.c.	cts.				
1.57	1.91	4.00	1.75	6.50	12.25	5.75	2.22	10.72	16.24	W. H. Ellis	Genuine	25240	
	2.00									and A. Le			
2.59	3.15	5.75	1.13	5.27	12.15	6.88	4.96	11.24	23.49	moine.			
0.76	0.92	2.25	2.55	3.85	8.65	4.80	5.45	12.32	14.68	W. H. Ellis	Not registered	25241	
1.13	1.38	4.35	4.85	1.50	10.70	9.26	3.75	16.27	18.61	"	Genuine	25242	
0.82	1.00	5.00	3.00	2.00	10.00	8.00	4.00						
1.12	1.36	4.93	2.82	2.68	10.43	7.75	3.77	9.65	17.40				
1.54	1.87	4.15	2.80	1.60	8.55	6.95	5.12	16.31	18.90	"	Not registered	25243	
1.03	1.38	2.16	2.34	1.05	5.55	4.50	6.66	9.78	15.65	"	Genuine	25244	
0.82	1.00	2.00	2.00	1.00	5.00	4.00	8.00						
0.70	0.85	3.52	2.69	2.55	8.76	6.21	7.14	2.90	17.47				
1.74	2.11	3.75	4.45	5.35	13.55	8.20	4.14	9.96	16.90	"	Not registered	25245	
1.86	2.26	4.00	5.00	3.30	12.30	9.00	3.10	12.66	20.59	"	Genuine	25246	
	2.00												
2.59	3.15	5.75	1.13	5.27	12.15	6.88	4.96	11.24	23.49				
1.34	1.63	3.75	3.75	4.95	12.45	7.50	3.24	11.32	17.53	"	Not registered	25247	
2.56	3.15	8.45	2.80	2.10	13.35	11.25	2.53	11.55	25.08	"	Genuine	25248	
		9.75	2.72	5.43	17.90	12.47		11.08	16.32				
2.02	2.46	4.40	2.55	3.00	9.95	6.95	2.64	13.55	18.13	"		25249	
2.06	2.50	5.00	3.00	2.00	10.00	8.00	3.00						
1.40	1.70	7.16	0.33	4.79	12.23	7.49	3.37	13.30	18.52				
3.21	4.14	4.30	1.95	4.50	10.75	6.25	6.35	11.80	25.99	W. H. Ellis	Genuine	25267	
	3.00				8.00		5.00						
2.80	3.40	6.07	2.73	5.59	14.39	8.80	5.56	14.72	27.04				
2.64	3.20	2.30	15.85	4.19	22.25	18.15	2.50	11.79	32.86	"	Not registered	25268	
2.91	3.52	3.10	11.00	4.50	18.60	14.10	3.87	9.07	30.85	"	Cannot be certainly identified for comparison.	25269	
3.30	4.00	4.00	2.00	1.00	7.00	6.00	10.00						
2.91	3.54	5.11	2.24	1.60	8.95	7.35	11.78	11.50	30.75				
1.79	2.17	4.45	5.45	2.65	12.35	9.90	6.70	12.36	24.90	"	Genuine	25270	
2.06	2.50	6.00	2.00	1.00	9.00	8.00	1.50						
2.17	2.63	6.27	3.13	3.71	13.11	9.40	1.95	10.21	21.41				
1.94	2.30	3.32	5.08	4.10	12.50	8.40	3.85	14.79	21.25	"		25271	
2.06	2.50	5.00	3.00	2.00	10.00	8.00	3.00						
1.40	1.70	7.16	0.33	4.79	12.23	7.49	3.37	13.30	18.52				
2.14	2.60		14.00	10.35	24.35	14.00		6.60	26.96			25272	
2.47	3.00				22.00								
2.94	3.57		15.62	10.04	25.66	15.62		2.45	29.70				
1.75	2.13	4.50	3.75	3.12	11.37	8.25	1.60	14.77	18.01	A. Lemoine		25273	
2.06	2.50	6.00	2.00	1.00	9.00	8.00	1.50						
2.07	2.52	6.87	2.57	3.51	12.95	9.44	2.54	11.60	21.70				

RECORD of Fertilizer

Date of Collection.	Name of Sample or Brand.	No. of Sample.	Name and Address of Vendor.	Name and Address of Manufacturer or Furnisher.	Inspector's Report.
<i>District of Toronto—Con.</i>					
May	3 Special	25274	A. St. C. Fisher.	American Agricultural Chemical Co.	As sold..... As guaranteed..... Standard sample (1683)
"	3 Special Potash	25275	A. St. C. Fisher.	"	As sold..... As guaranteed..... Standard sample (1681)
"	3 Cabbage and Potato	25276	A. St. C. Fisher.	"	As sold..... As guaranteed..... Standard sample (1685)
"	3 Grain and Grass	25277	Wm. Condlen, agent, Queenston, Que.	International Seed Co.	As sold..... As guaranteed..... Standard sample
"	3 Potato and Truck	25278	Wm. Condlen, agent, Queenston, Que.	"	As sold..... As guaranteed..... Standard sample
<i>District of London— T. Kidd, Inspector.</i>					
April 19	Lawn Fertilizer	22262	David Cook, Clinton, Ont.	A. Freeman, Hamilton.	As sold..... As guaranteed..... Standard sample (1630)
"	19 Bradleys Fertilizer	22264	M. H. Howal, Goderich.	Howland & Son, wholesale hardware Toronto.	As sold..... As guaranteed..... Standard sample
"	24 Bone Dust	22266	John Byers, Stratford.	John A. Bruce, wholesale seed merchant, Hamilton.	As sold..... As guaranteed..... Standard sample
"	25 Fertilizer	22271	W. O. Foster, St Thomas.	Steel, Briggs & Co., Toronto.	As sold..... As guaranteed..... Standard sample
"	25 Fertilizer	22272	" " "	"	As sold..... As guaranteed..... Standard sample
"	26 Bone Meal	22274	Darch & Hunter, London, Ont.	Michigan Carbon Works, Detroit.	As sold..... As guaranteed..... Standard sample
"	27 Sure Growth	22277	Hastings & Son, Woodstock.	W. A. Freeman, Hamilton.	As sold..... As guaranteed..... Standard sample (1630)
"	27 Potato Manure	22278	" " "	"	As sold..... As guaranteed..... Standard sample (1634)
"	27 Tankage	22280	London Soap Co., London.	London Soap Co., London.	As sold..... As guaranteed..... Standard sample
"	24	22268	R. Hookway & Son, London.	"	As sold..... As guaranteed..... Standard sample
<i>District of British Columbia—E. B. Parkinson, Inspector.</i>					
May	4 Fertilizer	24981	E. Hunstou, B.C.	Vancover Fertilizer Co.	As sold..... As guaranteed..... Standard sample

Samples as sold in 1905—Continued.

RESULT OF ANALYSIS.										Relative value per ton, 2000 lbs.	Analyst.	Remarks.	No. of Sample.
Nitrogen.		Phosphoric Acid.						Potash.	Moisture.				
Total.	As Ammonia.	Soluble in water.	Citric Soluble.	Insoluble.	Total.	Available.							
p.c.	p.c.	p.c.	p.c.	p.c.	p.c.	p.c.	p.c.	p.c.	cts				
		3.82	2.98	3.15	0.95	6.80	6.36	14.75	15.16	W. H. Ellis.	Low in available phosphoric acid.	25274	
		8.00	2.00	1.00	11.00	10.00	8.00						
(1683)	Tr.	6.88	3.36	3.33	13.59	10.24	7.23	10.53	20.1	"	Genuine.....	25275	
	0.87	1.05	5.88	1.92	3.00	10.80	7.80	7.00	14.70				
(1681)	0.82	1.00	7.00	2.00	1.00	10.00	9.00	7.00					
	0.84	1.02	7.51	1.45	3.19	12.15	8.96	8.40	11.88			25276	
	2.49	3.20	5.33	1.52	1.90	8.75	6.83	6.28	10.67				
(1685)	2.47	3.00	6.00	2.00	1.00	9.00	8.00	7.00					
	2.17	2.64	6.39	3.69	1.91	11.99	10.09	6.87	9.61		Not registered.....	25277	
	1.30	1.51	5.08	2.67	2.70	10.45	7.75	0.54	12.50				
	1.79	2.18	4.68	2.77	2.90	10.35	7.45	3.04	11.92			25278	
	2.24	2.72	7.40	1.60	1.85	10.85	9.00	2.35	18.06	21.16	W. H. Ellis.	Genuine.....	22262
		3.50				8.00		3.00					
(1630)	2.94	3.57	5.24	3.21	7.03	15.48	8.45	2.85	15.60	24.18		Not registered.....	22264
	2.16	2.62	6.46	2.06	2.70	11.15	8.45	1.98	10.01	20.06			
	3.21	3.89		11.35	11.45	22.80	11.35		6.99	26.82			22266
	4.19	5.08		11.60	9.70	21.30	11.60		7.12	29.91			22271
	5.04	6.11	3.25	8.25	5.45	16.95	11.50	2.08	5.01	33.82			22272
	1.35	1.64		15.50	14.50	30.00	15.50		2.77	25.99			22274
	2.77	3.35	4.10	3.95	6.25	14.60	8.35	3.43	8.57	24.13		Genuine.....	22277
		3.50				8.60		3.00					
(1630)	2.94	3.57	5.24	3.21	7.03	15.48	8.45	2.85	15.60	24.18			
	3.19	3.86	0.20	8.65	4.45	13.30	8.35	4.77	7.56	26.47			22278
		3.00				8.00		5.00					
(1634)	2.80	3.40	6.07	2.73	5.59	14.39	8.80	5.56	14.72	27.04			
	5.03	6.10	4.85	5.95	5.80	16.60	10.80	0.22	5.08	31.21		Not registered.....	22280
	0.11	0.14		7.45	5.50	12.95	7.45		0.86	10.22			22268
	0.56	0.68	trace	0.2	0.1	0.3	0.2		1.12	2.15	J. C. Fagan.	A bone meal no doubt leached out in a refinery; is of no value as a fertilizer.	24981

RECORD of Fertilizer

Date of Collection.	Name of Sample or Brand.	No. of Sample.	Name and Address of Vendor.	Name and Address of Manufacturer or Furnisher.	Inspector's Report.
	<i>District of British Columbia - Con.</i>				
May	9 Fish Guano	24992	Brackman & Kerr, Vancouver.	Frazer River, Oileys, near Vancouver.	As sold. As guaranteed. Standard sample.
"	9 B. Fertilizer	24993	" " "	Victoria Chemical Co., Victoria.	As sold. As guaranteed. Standard sample (1700)
"	9 Bone Meal	24994	" " "	Unknown	As sold. As guaranteed. Standard sample
"	9 'C' Fertilizer.	24996	Brackman & Kerr, New Westminster.	Victoria Chemical Co., Victoria.	As sold. As guaranteed. Standard sample (1707)
"	10 Nitrate of Soda.	24997	M. J. Henry, Vancouver.	" " "	As sold. As guaranteed. Standard sample (1703)
"	10 Sulphate of Potash.	24998	" " "	" " "	As sold. As guaranteed. Standard sample (1701)
"	10 Thomas Phosphate.	24999	Brown Bros., Vancouver.	" " "	As sold. As guaranteed. Standard sample (1702)

Samples as sold in 1905—Concluded.

RESULT OF ANALYSIS.											Analyst.	Remarks.	No. of Sample.	
Nitrogen.		Phosphoric Acid.					Potash.	Moisture.	Relative value per ton, 2000 lbs.					
Total.	As Ammonia.	Soluble in water.	Citric Soluble.	Insoluble.	Total.	Available.								
p.c.	p.c.	p.c.	p.c.	p.c.	p.c.	p.c.	p.c.	p.c.	\$	cts				
9.2	11.22	0.8	7.1	0.2	8.1	7.9	0.4	7.96	38	67	J. C. Fagan.	This fertilizer is not registered.	24992	
3.92	4.76	3.0	0.9	0.3	9.8	9.5	11.5	11.18	36	23	" ..	" ..	24993	
3.50					9.0		11.0							
2.87	3.49	8.0	1.59	0.64	10.25	5.59	11.81	10.28	33	11	" ..	Not described so as to admit of identification with any registered brand.	24994	
4.48	5.44	trace	12.0	10.8	22.8	12.0		9.8	31	67	" ..	Genuine..	24996	
trace	trace	13.0	0.6	0.4	14.0	13.6	11.3	11.5	27	68	" ..		24997	
0.35	0.42	12.66	0.13	2.43	15.22	12.79	11.97	11.04	29	22	" ..		24997	
15.85	19.17							1.8	53	89	" ..		24997	
16.00								0.96	42	74	" ..		24998	
12.57	15.26							3.4	49	00	" ..		24998	
								50.0			" ..		24999	
		none	11.5	4.3	15.8	11.5		42.19	1.44	42	19	" ..	Genuine, being up to guaranty, though not up to standard sample filed with the Dept. Inland Rev.	24999
			15.99	4.15	20.14	15.99		3.4	15	66	" ..		24999	
								0.05	20	49	" ..		24999	

