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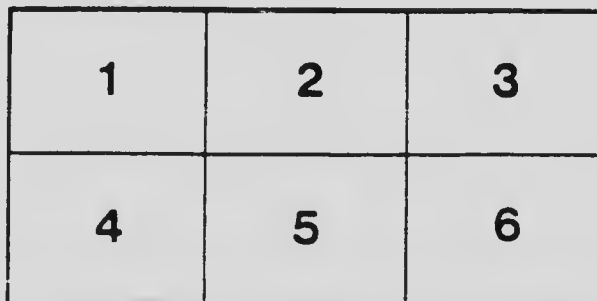
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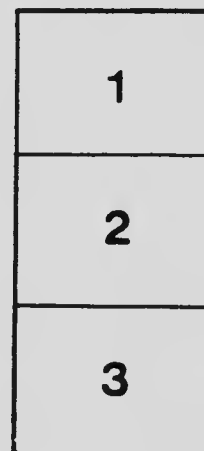
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LABORATORY
OF THE
INLAND REVENUE DEPARTMENT
OTTAWA, CANADA

BULLETIN No. 282

CATTLE MEDICINES

LABORATORY
OF THE
INLAND REVENUE DEPARTMENT

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BULLETIN No. 282

CATTLE MEDICINES

OTTAWA, March 13, 1914.

WM. HIMSWORTH, Esq.,
Deputy Minister Inland Revenue.

SIR,—I have the honour to present a report dealing with 120 samples which may be classed as Cattle Medicines, although many of them possess very questionable value as such. A considerable number of these articles have come into the hands of our Inspectors as Stock Feeds; and I called your attention in August, 1912 (See Bulletin 241) to the fact that of 138 samples purchased as Stock Feeds in that year, 41 samples were found to belong more properly to the class of substances dealt with in this report.

The term Feeding Stuff is defined in the Act of 8-9 Edward VII as "Any Article offered for sale for the feeding of domestic animals, and feeds claimed to possess medicinal as well as nutritive properties, etc." It would appear that articles claiming to be Feeds must primarily possess nutritive properties, although the fact that they have medicinal value as well as nutritive value may not prevent their classification as Feeds.

It must be confessed that some degree of ambiguity attaches to the definition given in the Act. In many, perhaps in most of the samples herein reported, such nutritive value as may be possessed by the article, is due to components like linseed meal, bran, screenings, etc., employed rather as a diluent than as an essential part of the mixture. If purchased for the sake of its content in nutritive matter the price is out of all proportion to the value of the article; while if fed to stock for nutritive purposes only or chiefly, the drugs present would prove harmful, or even fatal, in the large doses which such usage would necessitate.

It is very desirable so to define Cattle Feeds and Cattle Medicines that the two classes shall not overlap; and I would suggest amendment of Section 2 (b) of the Feeding Stuffs Act, by omission of the phrase "and feeds claimed to possess medicinal as well as nutritive properties." When an article claims to possess medicinal properties it becomes a drug, or medicine, and ceases to be a food in the usual sense of that term.

No systematic inspection of this class of articles has been made since 1906. In that year a report upon 35 samples was published as Bulletin No. 117. I am unable to offer any comments upon the subject more to the purpose than those made by my predecessor in office in his letter of submission to the bulletin named. Speaking of the 35 samples then reported, Mr. Macfarlane says:—"It will be seen that only 5

out of the 35 samples are cattle medicines intended for use in cases of specified disease, while the other thirty are supposed to be applicable to all the ills that cattle flesh is heir to. This supposition is sustained by the claims actually made on behalf of about two-thirds of these samples on their labels or wrappers, and noted in the column headed 'Inspectors' report.' Others were sold in bulk and without any claim having been made. Some of the claims recorded would really be comical as regards the universal applicability of the medicines if it were not too serious a matter for the poor animals to whom they are to be administered.

The condition powders consist largely of linseed meal, or bran in which are distributed more or less of other substances which are supposed to have purgative, diuretic, haematonic or tonic effects. These powders are in fact the proprietary or patent medicines supposed to be good for farm animals. They vary very much as regards composition. Some condition powders contain chlorides and nitrates. In a fourth only the sulphates are present in considerable quantity. In some free sulphur appears to be the characteristic constituent, and, in others, antimony. It does not seem fair to the farmers that remedies differing so much in their ingredients should be sold under a common name, nor can it be advantageous to his animals to have medicines administered without much regard to the nature of the disease. The "regulators" contain, as a rule, iron salts, but otherwise are just as diverse in composition as the condition powders. Among the specific remedies the worm powders exhibit similar diversity in composition, and do not seem to contain the drugs usually prescribed by veterinarians as vermicides.

That there are remedies for specific diseases, used in veterinary practice, which are sold as such is no doubt the case, but as regards the universal cattle medicine or "cure all," it is very doubtful as to whether the farmer obtains value for his money. How to regulate the traffic in these it is difficult to say."

These remarks apply in a general way to the samples herein reported. Without going so far as to say that proprietary remedies claiming to possess curative properties of a vague and indefinite nature, and for this reason to be almost universally applicable, are without any value to the farmer, it is safe to say that these panaceas exhibit the same objectionable features that are found in the majority of patent remedies offered for human use.

They are for the most part composed of very cheap materials which their claim to be patent medicines enables to be sold at very high prices. A little thought will suffice to convince any one that truly potent and effective drugs cannot be present in an article to be used by an unskilled man or fed at haphazard to an animal. Such drugs can only be employed with the guidance of a properly qualified veterinarian.

The most valuable of these articles owe their value as they possess to their content in spices and similar material, intended to provoke appetite; and would be more correctly offered as Condiments than as Medicines.

It is to be noted that many of these articles contain "Screenings" as a filler. In some of these we have noted weed seeds, as was to be expected. Whether or not such seeds are vital, and therefore constitute adulteration under the Seed Control Act, has not been ascertained; but it is probable that many of them are capable of sprouting and growth. This point will be more particularly investigated when Cattle Medicines are next inspected.

This report will enable farmers to judge the nature of the articles with which it deals; and I beg to recommend its publication as Bulletin No. 282.

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

A. MCGILL,
Chief Analyst.

Date of Collection.	Nature of Sample.	No. of Sample.	Name and Address of Vendor.	Cost.		Name and Address of Manufacturer or Furnisher as given by the Vendor.	
				Quantity.	Cents.	Manufacturer.	Furnisher.
DISTRICT OF NOVA SCOTIA—							
1912.							
Feb. 9	Cattle Medicine.	47051	Wentzells, Ltd., Halifax, N.S.	1 pkge	50	International Stock Food Co., Toronto.	Manufacturers
" 21	"	47052	Halifax Seed Co., Halifax, N.S.	1 "	50	Pratt Food Co., Toronto.	"
" 21	"	47053	"	1 "	50	W. A. Jenkins Co., London, Ont.	"
1913							
Mar. 6	"	46901	Nat. Drug Co., Halifax, N.S.	1 bot.	30	Daniels, Boston, Mass.	"
" 7	"	46902	Kinleys, Ltd., Halifax, N.S.	1 pkge	25	International Stock Food Co., Toronto.	"
" 7	"	46903	Halifax Seed Co., Halifax, N.S.	1 "	25	Pratt Food Co., Toronto.	"
" 7	"	46904	"	1 lb.	10	Blatchford Co., Waukegan, Ill.	"
" 7	"	46905	J. R. Rawley Estate, Halifax, N.S.	1 bot.	50	Tuttle Elixir Co., Boston, Mass.	N. D. & Co. Halifax, N.S.
DISTRICT OF PRINCE EDWARD ISLAND—							
1912.							
Feb. 21	Cattle Medicines.	46188	Mathers & McLean, Ltd., Ch. Town, P.E.I.	4 lbs.	50	The Beaver Mfg. Co., Galt, Ont.	
1913.							
Feb. 28	"	46399	J. G. Jamieson, Ch. Town, P.E.I.	1 pkt.	25	Vendor	
" 28	"	46400	Geo. E. Hughes, Ch. Town, P.E.I.	1 "	25	"	
" 28	"	46401	"	1 "	25	Fraser, Thornton & Co., Cookshire, P.Q.	
" 28	"	46402	"	1 "	50	The Naisbett Co., Toronto.	
Mar. 3	"	46403	Reddin Bros., Ch. Town, P.E.I.	1 "	25	Vendors	
DISTRICT OF NEW BRUNSWICK—							
Feb. 28	Cattle Medicine.	50575	Nat. Drug & Chem. Co., Ltd., St. John, N.B.	1 pkge	25	Fraser, Thornton Co., Ltd., Cookshire, P.Q.	
Mar. 6	"	50576	The Canadian Drug Co., Ltd., St. John, N.B.	1 "	25	Dr. S. A. Tuttle Co., Boston, Mass. and Montreal.	
April 16	"	50577	The Baird Co., Ltd., Woodstock, N.B.	1 can.	15	Vendors	
" 23	"	50578	B. J. Sharp, Sussex, N.B.	1 pkge	25	Nyall, New York, U.S.A.	
" 24	"	50579	The Leger Drug Co., Ltd., Moncton, N.B.	1 "	35	The Acadia Drug Co., Moncton, N.B.	

CATTLE MEDICINES.

Inspector's Report (Is not an expression of Opinion).	Results of Analysis.								Other ingredients identified.	No. of Sample.
	Ash.	Common salt.	Sulphuric Acid in Sulphates.	Green Coppera.	Nitr.	Antimony.	Crude Pro- tein.	Water Extract.		

R. J. WAUGH, INSPECTOR.

	p. c.	p. c.	p. c.	p. c.	p. c.	p. c.	p. c.	p. c.		
.....	18.3	14.8	.....	.....	.....	.....	6.3	.....	Capsicum, charcoal, gentian, grain pro- ducts. Weed seeds.	47051
.....	22.2	15.1	0.3	Pre- sent.	.....	.....	14.3	.....	Gentian, Ginger, Sre- enings.	47052
.....	11.0	.....	6.2	"	.....	Pre- sent.	.....	.....	Fenugreek. Aniseed.	47053
Distemper cure.....	*	.....	.....	.....	.....	.....	.....	.....	.....	46901
.....	16.7	13.6	0.7	Pre- sent.	.....	.....	8.5	.....	Capsicum, charcoal, gentian grain pro- ducts. Weed seeds.	46902
.....	25.0	16.5	.....	.....	.....	.....	12.4	.....	Gentian, Ginger, Sre- enings.	46903
Labelled. Old Eng- lish Tonic.	8.9	2.0	1.67	Pre-	.....	.....	20.6	.....	Linseed.	46904
Labelled. Good for Colic.	†	.....	.....	.....	.....	.....	.....	.....	.....	46905

WAL. A. WEEKS, INSPECTOR.

	p. c.	p. c.	p. c.	p. c.	p. c.	p. c.	p. c.	p. c.		
Herbageum.....	15.85	10.3	.....	.....	.....	.....	20.1	.....	Charcoal, Bran, Gen- tian, Linseed.	46188
Condition Powder... "..... ".....	10.9 † 16.9	.....	0.5	Pre- sent.	Pre- sent.	.....	.....	.....	Gentian, Linseed, Sul- phur.	46399 46400
".....	7.0	0.7	.....	.....	.....	.....	.....	.....	Aniseed, Capsicum, Carbonate, Gentian, Sulphur, Middlings.	46401
".....	22.8	5.5	4.7	Pre- sent.	Pre- sent.	Pre- sent.	.....	.....	Fenugreek, Linseed, Liquorice Rosin.	46402 46403

JNO. C. FERGUSON, INSPECTOR.

	p. c.	p. c.	p. c.	p. c.	p. c.	p. c.	p. c.	p. c.		
Woodbury's Condi- tion Powders.	13.4	.....	.....	.....	Pre- sent.	Pre- sent.	.....	.....	Capsicum, Carbonate Gentian, Ginger Fenugreek, Midd- lings, Sulphur.	50575
Futtle's American Condition Powder.	11.9	7.4	.....	.....	"	.....	.....	.....	Middlings, Slightly bitter.	50576
"Granger" Condition Powder.	26.8	.....	2.1	Pre- sent.	"	Pre- sent.	.....	.....	Gentian, Linseed, Sul- phur.	50577
.....	20.1	5.4	4.4	"	"	.....	.....	.....	Aloes, Bloodroot, Gen- tian, Ginger, Liqu- orice, Rosin.	50578
Acadia Condition Powders.	23.9	7.2	4.5	"	.....	.....	11.3	.....	Charcoal, Grain pro- ducts.	50579

* Liquid Preparation.

† Liquid Preparation, contain ammonia, camphor, turpentine and soap.

‡ Destroyed in transit.

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

DISTRICT OF QUEBEC—

1912.							
Feb.	7	Cattle Medicines.	37388	Arthur Drolet, 714 Rue St. Valier, Quebec,	3 lbs.	75	International Stock Food Co., Toronto. P. J. Legare, Quebe.
"	9	" "	37389	Hamel & Bedard, 728 Rue St. Valier, Quebec.	3 " "	75	" " "
"	14	" "	37390	Jos. Masson, 808 Rue St. Valier, Quebec.	3 " "	30	Davis Lawrence, Montreal. Manufacturers.
"	14	" "	37391	" " "	3 " "	50	Nyals, New York... " "
"	14	" "	37392	" " "	3 " "	45	L. E. Martel, Quebec Mfr
"	14	" "	37393	" " "	3 " "	75	Toronto Pharmacal Mfrs..... Co.
"	14	" "	37394	" " "	3 " "	35	Dr. Ed. Morin.... Mfrs.....
"	14	" "	37395	Hamel & Bedard, 728 Rue St. Valier, Que.	3 " "	1 05	Jos. Julien, Port Rouge. W. Brunet, & Cie, Quebec.
"	14	" "	37396	P. Reneaud, 597 Rue St. Valier, Quebec.	3 " "	50	Pratt Food..... A. E. Vallera, d, Quebec.
1913.							
March	6	" "	37193	A. E. Francoeur, 379 1/2 Rue St. Jean, Quebec	3 pkts.	1 05	Toronto Pharmacal Co., Toronto. Manufacturers..
"	6	" "	37194	" " "	3 " "	45	" " " " " "
"	7	" "	37195	Alfred Jolicoeur, 338 Rue St. Jean, Que.	3 " "	75	F. Stearns, Windsor, Ont.
"	7	" "	37196	F. C. Delachevrotiere, 224 Rue St. Jean, Que.	3 " "	75	" " " " " "
"	7	" "	37197	W. B. Rogers, 44 Rue la Fabrique, Que.	3 " "	75	National Drug Co., Montreal. " " " "

DISTRICT OF THREE RIVERS—

Mar.	17	Cattle Medicines.	57216	Louis Enos, St. Felix de Valois.	1 1/2 lbs.	40	Dr. Gatien, St. Hyacinthe.
"	19	" "	57236	Louis Belle rose, St. Felix de Valois.	1 lb.	15	Z. Dufresne, Montreal.
"	22	" "	57241	C. Barrette, Joliette....	1 " "	50	International Stock Food Co., Toronto
"	22	" "	57245	Magnan Freres, Montreal.	1 pkg.	25	E. St. Jean, Montreal.
"	22	" "	57247	Theop. Enos, St. Felix de Valois.	1 " "	15	Pratt Food Co., Philadelphia.

CATTLE MEDICINES.

Inspector's Report. (Is not an Expression of Opinion.)	Results of Analysis.								Other ingredients identified.	No. of Sample.
	Ash.	Common salt.	Sulphuric Acid in Sulphates.	Green Copperas.	Nitre.	Antimony.	Crude Protein.	Water Extract.		

F. X. W. E. BELAND. INSPECTOR.

	p.c.	p.c.	p.c.	p.c.	p.c.	p.c.	p.c.	p.c.		
.....	18.75	15.9						12.1	Capsicum, charcoal, gentian, grain pro- ducta.	37368
.....	5.25		0.5	Pre- sent				15.0	Ginger, capsicum, char- coal, gentian, carbon- ate, grain products.	37369
.....	9.40		0.9	"	Pre- sent				Gentian, linseed.	37360
.....	20.4	5.0	2.5	"	"				Bloodroot, gentian, gin- ger, licorice, rosin.	37301
.....	20.3				"	Pre- sent			Fenugreek, gentian, ginger, linseed and other drugs.	37362
.....	26.20	10.5	0.1	Pre- sent	"				Gentian, yellow ochre, sulphur, grain pro- ducta.	37363
.....	9.5	1.9			"				Sulphur, bitter, oil cake.	37364
.....	30.0	4.3	0.6	Pre- sent	"				Carbonate, ginger, charcoal, sulphur, grain products, lin- seed.	37365
.....	17.7	12.2						18.0	Gentian, screenings.	37366
.....	15.55	3.56			Pre- sent			19.54	Fenugreek, sulphur, wild seeds.	37193
.....	17.64	0.82	4.76	Pre- sent				27.9	Fenugreek, linseed.	37194
.....	19.8	3.04	4.15	"		Pre- sent		28.30	Linseed, mustard, liquorice root, sul- phur.	37195
.....	20.6	3.19	5.03	"		"		31.8	Linseed, liquorice root, rosin, sulphur, Fenn- greek.	37196
.....	15.7				Pre- sent				Capsicum, gentian, rosin, other drugs.	37197

DR. P. V. LAVALLÉE. INSPECTOR.

Conditional Powders	31.26	4.36		Pre- sent				40.30	57216	Charcoal, fenugreek, skunk cabbage, rosin, carbonate, alum.
Quinquinal.....	18.7	9.0						11.6	57236	Bole, middlings, slightly bitter.
.....	10.0	1.39		Pre- sent				31.94	57241	Brewers grains, liquor- ice root.
.....	6.2		1.6	"		Pre- sent			57245	Aloes, middlings, rosin.
.....	14.3	8.7	0.2	"				11.5	57247	Gentian, screenings.

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

DISTRICT OF EASTERN TOWNSHIPS—

1912.							
Feb. 19	Cattle Medicine	39057	Berthiamé & Lanone, Farnham.	1 can	50	American Pure Food Co., Montreal.	
" 19	"	39058	J. E. Baillargeon, Farnham.	3 pkgs	25	International Stock Food Co., Toronto.	
" 21		39059	Vaughan Bros., Magog.	1 "	50	Pratts Food Co., of Canada, Ltd., Toronto.	
" 21		39060	B. E. Goyette, Magog.	1 "	25	Nat. Drug & Chem. Co., Montreal.	
" 27		39061	T. Ledoux, St. Guil-laume.	1 "	25	The Interprovincial S. F. Co., St. Basile.	
" 27		39062	E. Sylvestre, St. Guil-laume.	1 "	25	The Joliette Chem. Co., Ltd., Joliette.	
" 27		39063	G. E. Aubin, Actonville.	1 "	50	Dr. Frechette, St. Hyacinthe.	
" 27		39064	A. Chicoine, Actonville.	1 "	25	Frazier, Thornton & Co., Cookshire.	
" 28		39065	O. T. Piche, Drummondville.	1 "	50	The Hackney S. F. Co., Ltd., Toronto.	
" 28		39066	T. A. Bourgault, Drummondville.	1 "	25	J. T. Hebert, Drummondville.	
" 28		39067	A. Birtz, Drummondville.	1 "	40		J. N. Potvin, Drummondville.
" 28		39068	R. Carlin, Drummondville.	1 "	50	The Beaver Mfg. Co., Ltd., Galt...	
1913.							
Mar. 13		1555	F. Morency, St. Marie.	1 box.	18		Unknown
" 13		1556	S. Coriveau, Scotts ...	1 "	25	Pratt Food Co., Philadelphia.	
" 17		1557	A. Milite, Windsor Mills.	1 "	25	J. Burton, Sherbrooke.	
" 17		1558	J. Masse & fils, Roxton Falls.	1 "	50	International Stock Food Co., Minneapolis.	
" 18		1559	R. Cardin, Drummondville.	1 "	25	The D. & D. Nat. Med. Co., St. Basile Station.	

DISTRICT OF MONTREAL—

Mar. 5	Cattle Medicine.	51231	Wm. Ewing Co., McGill St., Montreal.	1 box.	50	Wm. Rust & Sons, New Brunswick, N.J.	
" 5		51232	O. T. Pinek, 318 Notre Dame St., West, Montreal.	1 pkg.	25	Vendor	

CATTLE MEDICINES

Inspector's Report. (Is not an expression of Opinion.)	Results of Analysis.								Other ingredients identified.	No. of Sample.
	Ash.	Common Salt.	Sulphuric Acid in Sul- phates.	Green Copperas.	Nitre.	Antimony.	Crude Protein.	Water Extract.		

J. C. ROULEAU, INSPECTOR.

	p.c.	p.c.	p.c.	p.c.	p.c.	p.c.	p.c.	p.c.		
Quinquamol.....	12.6	6.3	0.1					16.8	Bole, bran, gentian.	39057.
International.....	19.8	14.9	0.1	Pre- sent.				13.7	Capsicum, charcoal, gentian, ginger, grain products, lin- seed.	39058
Pratts.....	17.9	9.2						11.9	Gentian, ginger, scre- enings, some arom- atic.	39059
Anglo Saxon.....	12.7	5.3	0.9	Pre- sent.	Pre- sent.				Charcoal, gentian, gin- ger, middlings, sul- phur.	39060
Interprovincial.....	20.0	8.1						16.9	Gentian, charcoal, grain products, lin- seed.	39061
Vinks.....	38.2	32.5	1.5	Pre- sent.	Pre- sent.	Pre- sent.			Gentian, liquorice, grain products.	39062
Perfection.....	21.4	4.6	3.6	"	"				Bloodroot, fenugreek, ginger, linseed, li- quorice, rosin, sul- phur.	39063
Vine.....	5.5							17.2	Charcoal, fenugreek, middlings.	39064
Hackney.....	18.2	13.2	0.4	Pre- sent.				13.0	Capsicum, charcoal, gentian, grain pro- ducts.	39065
La Cadienne.....	19.2	10.1	0.4	"				22.1	Linseed, fenugreek, middlings, sulphur.	39066
Purina.....	18.7	16.9	0.2	"				17.4	Linseed, corn.	39067
Herbagemm.....	13.3	10.1						24.2	Bran, charcoal, lin- seed, gentian.	39068
Maud S.....	10.0		1.6	Pre- sent.	Pre- sent.	Pre- sent.			Fenugreek, gentian, linseed.	1555
Reg. No. 448.....	20.4	2.1						12.0	Gentian, ginger, bole, screenings.	1556
Pick-Me-Up.....	18.2		5.5	Pre- sent.	Pre- sent.				Grain products, bole, rosin, gentian.	1557
	8.9		0.8					13.2	Bole, bran, rosin.	1558
	21.8	20.2						13.9	Middlings.	1559

J. J. COSTIGAN, INSPECTOR.

Ruhrs Haven's Climax Powder.	7.25			Pre- sent.				10.0	Aniseed, linseed, li- quorice root.	51231
Yonatt's Condition Powder.	23.4	5.5			Pre- sent.				Charcoal, fenugreek, linseed, sulphur.	51232

BULLETIN No. 282—

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

DISTRICT OF MONTREAL—

1913.							
Mar.	5	Cattle Medicine.	51233	A. Guertin, 538 Notre Dame St., West, Mon- treal.	1 box.	50	International Stock Food Co.
"	5	"	51234	Leo. P. Ryan, 545 Notre Dame St., West, Montreal.	1 "	25	The Wingate Chem. Co.
"	5	"	51235	Standard Pharmacy, 549 St. James St., Mon- treal.	1 "	25	New York & London Drug Co.

DISTRICT OF OTTAWA—

1912.							
Feb.	6	Cattle Medicine.	50176	J. W. McKay, Ottawa.	3 lbs.	9	The Beaver Mfg. Co., Ltd., Galt, Ont.
"	6	"	50181	" " "	3 pkgs	75	International Stock Food Co., Minne- apolis.
1913.							
Feb.	28	"	51760	S. G. Lindsay, Aylmer, P.Q.	1 pkge	25	International Stock Food Co., Toronto.
"	25	"	51761	B. F. Smith, Winchester	1 "	50	W. A. Jenkins Mfg. Co., London, Ont.
"	28	"	51762	R. Picard, Hull	1 "	25	Hull Medical Hall, Hull.
Mar.	4	"	51763	T. T. Beattie, Ottawa	1 "	50	Pratt Food Co., Philadelphia, Pa.
"	7	"	51764	" " "	1 "	50	The Hackney Stock Food Co. Ltd., Toronto.

DISTRICT OF KINGSTON—

1912.							
Feb.	5	Cattle Medicine.	49551	J. McLeod, Kingston.	3 lbs.	1 00	W. A. Jenkins, Lon- don, Ont.
1913.							
Feb.	21	"	53072	Geo. Gibson, "	1 pkge	25	Pratt Food Co., To- ronto.
"	21	"	53073	W. P. Peters, "	1 "	50	International Stock Food Co., Toronto.
"	21	"	53074	J. B. McLeod, "	1 "	25	Stearns, Wind- sor, Ont.
"	21	"	53075	C. Rathman, Belleville.	1 "	25	International Stock Food Co., Toronto.
"	25	"	53076	W. H. Semple, Cobourg.	1 "	25	H. Semple, Cobourg.

CATTLE MEDICINES.

Inspector's Report. (Is not an expression of Opinion).	Results of Analysis.								Other ingredients identified.	No. of Sample.
	Ash.	Common Salt.	Sulphuric Acid in Sul- phates.	Green Cop- pers.	Nitre.	Antimony.	Crude Protein.	Water Extract.		

Concluded.

	p.c.	p.c.	p.c.	p.c.	p.c.	p.c.	p.c.	p.c.			
International Heave Cure.	10.3	1.6	2.0	.....	.....	.....	.....	13.2	.....	Bole, middlings, rosin	51233
Harry Bradley's Tonic Condition Powder.	12.6	.....	.....	.....	Pre- sent.	Pre- sent.	.....	.....	.....	Fenugreek, linseed.	51234
Nyall's Condition Powder.	24.1	5.1	5.7	Pre- sent.	"	.....	.....	.....	.....	Aloes, bloodroot, gin- ger, rosin, sulphur.	51235

J. A. RICKEY, INSPECTOR.

Herbagenm	14.1	10.0	0.1	.....	.....	.....	.....	.....	.....	Bran, charcoal, gen- tian, linseed.	50176
.....	18.7	14.7	0.1	Pre- sent.	.....	.....	.....	.....	.....	Capicum, charcoal, gentian, grain pro- ducts.	50181
International.....	12.07	3.36	.....	.....	.....	.....	.....	22.23	.....	Oil cake, linseed, mus- tard, grain produ. ts.	51760
Royal Purple Stock Specific.	9.73	.....	4.53	.....	.....	.....	.....	12.45	.....	Linseed, liquorice root, aniseed, gentian.	51761
"Our Own" Condi- tion Powder.	17.9	1.14	4.80	Pre- sent.	Pre- sent.	Pre- sent.	.....	26.9	.....	Fenugreek, liquorice root, gentian.	51762
Pratt's Calf Tonic...	17.26	1.82	.....	"	"	.....	.....	22.56	.....	Grain products, tar- taric acid.	51763
Hackney Stock Tonic.	14.88	4.10	.....	"	.....	.....	.....	26.25	.....	Bran, charcoal.	51764

JAS. HOGAN, INSPECTOR.

Royal Purple	13.4	.....	6.4	Pre- sent.	.....	.....	23.0	.....	.....	Fenugreek, gentian, linseed and sulphur.	45561
.....	24.10	2.82	7.10	.....	Pre- sent.	.....	.....	29.66	.....	Fenugreek, gentian, oil cake.	53072
.....	47.4	44.8	0.2	Pre- sent.	.....	.....	.....	.....	.....	Gentian, wormseed, grain products.	53073
.....	*	.....	.....	.....	.....	.....	.....	.....	.....	.....	53074
.....	*	.....	.....	.....	.....	.....	.....	.....	.....	.....	53075
.....	*	.....	.....	.....	.....	.....	.....	.....	.....	.....	53076

* Destroyed in transit.

BULLETIN No. 282 -

Date of Collection.	Nature of Sample.	No. of Sample.	Name and Address of Vendor.	Cost.		Name and Address of Manufacturer or Furnisher as given by the Vendor.	
				Quantity.	Cents.	Manufacturer.	Furnisher.
DISTRICT OF TORONTO--							
1913.							
Feb. 25	Cattle Medicine.	51588	J. A. Johnstone & Co., 171 King St. east, Toronto.	1 lb.	20		
" 28	"	51589	The Veterinary Specialty Co., 163 Dundas St., Toronto.	1 "	25		
Mar. 7	"	51590	International Stock Food Co., 92 Adelaide St. east, Toronto.	1 "	25		
" 7	"	51591	Pratt Food Co. of Canada, Ltd., 85 Terauley St., Toronto.	1 "	25		
" 10	"	51592	Dominion Stock Food Co., Duncan St., Toronto.	1 "	50		

DISTRICT OF HAMILTON

April 23	Cattle Medicine.	57151	Robt. Ralston & Co., 26 McNab st. south, Hamilton.	5 lbs.	50	Vendors	
23	"	57152	G. C. Briggs & Sons, 122 King st. west, Hamilton.	2 pkgs	25	"	
23	"	57153	Thos. Moffatt, 20 King William st., Hamilton	2 1/2 lbs.	25	W. H. Wodehouse, Hamilton.	
24	"	57154	Blaicher & Reche, John and Main sts., Hamilton.	1 p'ge	25	Vendors	
" 24	"	57155	The Jas. Dunlop Co., Ltd., 127-131 John st. south, Hamilton.	1 "	50	The W. A. Jenkins Mfg. Co., London, Ont.	

DISTRICT OF LONDON--

1914.							
Feb. 19	Cattle Medicine.	47890	W. J. Heaman, Exeter.	3 jars.	25	International Stock Food Co., Toronto.	
" 20	"	48204	Ford & McLeod, Clinton.	3 "	50	W. A. Jenkins Mfg. Co., London, Ont.	
" 20	"	48206	"	3 "	25	Pratt Food Co., Toronto.	

CATTLE MEDICINES.

Inspector's Report. (Not an expression of Opinion).	Results of Analysis.								Other ingredients identified.	No. of Sample.
	Ash.	Common salt.	Sulphuric Acid in Sulphates.	Green Copperas.	Nitr.	Antimony.	Crude Pro- tein.	Water Extract.		

H. J. DAGER, INSPECTOR.

	p. c.	p. c.	p. c.	p. c.	p. c.	p. c.	p. c.	p. c.		
Labelled, The Stock- man's Favourite Yorkshire Stock Food, Reg. No. 43.	15.9	5.7	1.7	Pre- sent.		Pre- sent.			Fenugreek, middlings, rosin, gentian, sul- phur.	51588
Labelled, Drs. Van- zant & Waring's Stock Tonic and Blood Purifier.	22.5	10.8				Pre- sent.			Gentian, midd' ngs, carbonate.	51589
Labelled, Inter- national Medicinal Stock Food Tonic, Strictly Medicinal.	15.99	3.90	1.86					25.59	Oil cake, linseed, mus- tard, grain products.	51590
Pratt's of Canada, Ltd., Animal Re- gulator.	11.03	4.50		Pre- sent.				24.68	Fenugreek, charcoal, grain products.	51591
Dominion Stock Food.	15.54	0.61						20.91	Linseed, sulphates.	51592

H. J. DAGER, INSPECTOR.

Labelled, Reg. No. 59 Can. gold medal, Kingston, Jamaica Food.	13.84	4.49			Pre- sent.			25.66	Linseed, Skunk cab- bage.	57151
Labelled, Wade's Condition Powder.	39.46	2.82				Pre- sent.		49.39	Bran, Fenugreek, Charcoal, Linseed, Crystals	57152
Labelled, Wodeho- use's Animal Invi- gorator.	7.15	1.45						11.46	Rosin, Linseed, Grain products.	57153
Labelled, Reche's Condition Powder.	30.7	10.6	1.7	Pre- sent.	Pre- sent.	Pre- sent.			Gentian, Linseed, Rosin, Sulphur.	57154
Royal Purple Stock Specific.	16.8		2.23					17.4	Linseed, Liquorice Root.	57155

J. NO. TALBOT, ACTING INSPECTOR.

	19.1	16.3						12.6	Capicum, Gentian, Grain products, Ch- arcoal.	47890
Royal Purple Stock Specific.	10.4		3.2	Pre- sent.	Pre- sent.	Pre- sent.			Fenugreek, Linseed, Sulphur.	48204
Pratt Conditioner Reg. No. 448.	10.0	7.9	0.2	"				14.7	Gentian, Linseed, Other seeds.	48206

BULLETIN No. 282—

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

DISTRICT OF WINDSOR—

1913.							
Feb. 27	Cattle	Medicine.	47942	A. J. Morgan London, Ont.	1 pkge	50	Drs. Hess & Clark, Cleveland, U.S.A.
" 27	"	"	47943	"	1 "	25	Pratt Food Co., Toronto.
" 27	"	"	47944	"	3 tins.	150	Conkey Co., Cleveland, U.S.A.
" 27	"	"	47945	W. A. Jenkins, London, Ont.	1 pkge	Nil	Vendor
" 27	"	"	47946	F. W. Heighway, London, Ont.	1 "	50	Dr. E. W. Heighway, Masonville.

DISTRICT OF MANITOBA—

1912.							
Feb. 15	Cattle	Medicine.	48631	Olafsson Grain Co., Winnipeg.	4 lbs.	50	International Stock Food Co., Toronto.
" 15	"	"	48632	Carnefac Stock Food Co., Winnipeg.	3 "	56	W. G. Douglas, Winnipeg.
" 15	"	"	48633	Laing Pros., Winnipeg.	3 "	25	Colonial Stock Food Co., Weston, Ont.
" 15	"	"	48634	"	3 "	50	Pratt Food Co. of Canada, Ltd.
1913.							
Mar. 10	Cattle	Medicine.	48866	"	1 pkg.	25	Pratt Food Co.
" 10	"	"	48867	A. J. Brown & Co., Winnipeg.	1 "	25	Nyal Drug Co., New York and London.
" 10	"	"	48868	The Mayer Co., Winnipeg.	1 "	50	Vendors.
" 10	"	"	48869	"	1 "	50	"
" 15	"	"	48869	Elmwood Drug Store, 303 Nairn Ave., Elmwood, P.Q.	1 "	75	Nyal Drug Co., New York and London.

DISTRICT OF CALGARY—

1912.							
Mar. 9	Cattle	Medicine.	44151	Hegler & Hegler, Edmonton.	Ed 3 lbs.	25	Drs. Hess & Clark, Ashland, U.S.A.
" 9	"	"	44152	"	3 "	25	International Stock Food Co., Minneapolis.
" 19	"	"	44153	A. E. McKenzie Ltd., Calgary.	3 "	25	G. E. Lee Co., Omaha, Nea.
" 19	"	"	44154	"	3 "	75	The G. E. Conkey Co., Cleveland, U.S.

CATTLE MEDICINE.

Inspector's Report. (Is not an expression of Opinion).	Results of Analysis.									Other ingredients identified.	No. of Sample.
	Ash.	Common Salt.	Sulphuric Acid in Sul- phates.	Green Copperas.	Nitre.	Antimony	Crude Protein.	Water Extract.			

JNO. TALBOT, INSPECTOR.

	p.c.	p.c.	p.c.	p.c.	p.c.	p.c.	p.c.	p.c.		
Labeled. Dr. Hess Worm Powder.	19.2	.....	0.46	Pre- sent.	.....	.....	.....	27.04	Bran, Aniseed, Gen- tian, Carbonate.	57942
Pratt's Animal Regu- lator.	21.1	17.4	.....	.....	.....	.....	12.0	.....	Gentian, Ginger, Fen- ugreek, Screenings.	47943
Conkey's Worm Re- medy.	8.9	.....	.....	.....	.....	.....	.....	.....	Naphthalene.	47944
Royal Purple Stock Specific.	11.73	.....	5.97	Pre- sent.	.....	.....	.....	17.07	Fenugreek, Linseed, Aniseed, Licorice Root.	47945
Dr. Highway Stock Conditioner	15.0	.....	5.34	.....	.....	Pre- sent.	.....	22.19	Linseed, Charcoal, Weed seeds.	47946

A. C. LARIVIERE, INSPECTOR.

.....	19.0	14.8	0.4	Pre- sent.	.....	.....	.....	13.7	Capsicum, Gentian, Charcoal, Grain pro- ducts.	48631
.....	12.0	4.1	8.1	"	.....	.....	.....	18.9	Carbonate, Charcoal, Linseed, some bitter.	48632
.....	35.9	21.0	9.5	"	.....	.....	.....	7.5	Gentian, Ginger, Nut shells.	48633
.....	22.3	16.9	.....	.....	.....	.....	.....	12.0	Gentian, Ginger, Scre- enings.	48634
Condition Powders..	12.6	4.4	.....	.....	.....	.....	.....	12.6	Gentian. Screenings.	48866
.....	24.1	4.7	5.5	Pre- sent.	Pre- sent.	.....	.....	.....	.....	48867
Worm Powders.....	13.7	.....	8.3	"	.....	.....	.....	.....	.....	48868
Condition Powders.	26.1	0.2	4.4	"	Pre- sent.	.....	.....	.....	.....	48869
" "	22.6	5.5	4.2	"	"	.....	.....	.....	.....	a48869

R. W. FLETCHER, INSPECTOR.

.....	42.5	34.5	1.5	Pre- sent.	Pre- sent.	.....	.....	.....	Charcoal, Gentian, Grain products.	44151
.....	5.2	.....	0.4	"	.....	.....	.....	16.6	Capsicum, Carbonate, Charcoal, gentian, ginger, Middlings.	44152
.....	18.2	9.7	1.9	"	.....	.....	.....	.....	Capsicum, charcoal, grain products, gen- tian, linseed.	44153
.....	20.0	.....	4.3	"	.....	.....	.....	.....	Charcoal, gentian, grain products.	44154

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

DISTRICT OF NELSON—

1912.							
Feb. 13	Cattle Medicine.	49602	J. H. Clements, Kamloops, B.C.	1 pkg.	50	International Stock Food Co., Minneapolis.	
" 20	"	49630	Harvey Bailey, Ltd., Ashcroft, B.C.	5 lbs.	60	Beaver Mfg. Co., Galt, Ont.	

DISTRICT OF ROCKY MOUNTAINS—

1913.							
Mar. 11	Cattle Medicine.	49825	Rutherford Drug Co., Nelson, B.C.	1 pkg.	25	Vendors	
" 11	"	49827	" " "	1 " "	25	"	
" 11	"	49829	Poole Drug Co., Nelson, B.C.	1 " "	25	New York & London Drug Co., New York	
" 11	"	49830	" " "	1 " "	50	Pratt Food Co., Philadelphia.	
" 11	"	49831	Brackman Ker, M. Co., Nelson, B.C.	1 " "	25	"	

DISTRICT OF VANCOUVER

Mar. 11	Cattle Medicine.	53451	Nat. Drug and Chem. Co., Vancouver, B.C.	1 lb.	25	Vendors	
" 11	"	53452	Broadway Pharmacy, Broadway & Granville, Vancouver, B.C.	1 pkg.	25	Nyals, Ltd., Windsor, Ont.	
" 14	"	53453	Marrett & Reid, 7th Ave. and Main, Vancouver, B.C.	1 "	25	LePatourel & McRae, Vancouver, B.C.	
" 14	"	53454	J. B. Boyle, Kitselano, B.C.	1 "	50	Henderson Bros., Vancouver, B.C.	

DISTRICT OF VICTORIA—

Mar. 11	Cattle Medicine.	53539	John Cochrane, 1300 Douglas St., Victoria, B.C.	1 lb.	25	New York & London Drug Co., New York.	
" 11	"	53540	Hall & Co., 702 Yates St., Victoria, B.C.	1 "	25	Canadian Pharmacal Assn., Toronto, Ont.	
" 18	"	53541	Feruwod Pharmacy, 1301 Gladstone Ave., Victoria, B.C.	1 "	25	Stearns, Windsor, Windsor, Ont.	
" 28	"	53542	Thos. Shotbolt, 589 Johnston St., Victoria, B.C.	1 "	50	Vendor	
" 28	"	53543	Scott & Peden, 3-5-7 Store St., Victoria, B.C.	1 "	1.00	John Potter & Sons, Sydney, Australia.	

CATTLE MEDICINE.

Inspector's Report. (Is not an expression of Opinion.)	Results of Analysis.								Other ingredients identified.	No. of Sample.
	Ash.	Common Salt.	Sulphuric Acid in Sul- phates.	Green Coppers.	Nitre.	Antimony.	Crude Protein.	Water Extract.		
THOS. PARKER, INSPECTOR										
	p.c.	p.c.	p.c.	p.c.	p.c.	p.c.	p.c.	p.c.		
	20.0	14.7	...	.....	.....	.....	12.9	.....	Capsicum, charcoal, gentian, grain pro- ducts.	49602
	15.4	10.5	0.1	Pre- sent.	.....	.....	21.4	.....	Charcoal, gentian, lin- seed, some aromatic.	49630
THOS. PARKER, INSPECTOR.										
Condition Powder...	35.5	9.2	9.4	Pre- sent.	Pre- sent.	.....	.....	.....	Carbonate, linseed, ro- sin, sulphur, some bitter.	49825
Horse worm Powder.	39.9	22.8	1.4	"	.....	Pre- sent.	.....	.....	Fenugreek, tartar- emetic wormseed.	49826
Condition Powder...	23.7	4.9	4.4	"	Pre- sent.	.....	.....	.....	Aloes, bloodroot, gen- tian, liquorice, rosin.	49829
" " ..	14.4	5.0	.....	.....	.....	.....	12.7	.....	Gentian, screenings.	49830
Annual Regulator...	11.1	9.0	.....	.....	.....	.....	9.8	.....	Gentian, grain pro- ducts, little ch. coal.	49831
J. F. POWER, INSPECTOR.										
Condition Powders	21.1	.....	.....	.....	Pre- sent	Pre- sent	.....	.....	Linseed, rosin, sul- phur.	53451
" ..	21.7	5.3	3.9	Pre- sent	"	.....	.....	.....	Bloodroot, gentian, ginger, liquorice, rosin.	53452
" ..	13.91	0.67	6.20	"	.....	.....	.....	15.94	Bark, gentian.	53453
" ..	20.8	.....	.....	.....	Pre- sent	.....	.....	26.19	Rosin, linseed, sul- phur, senna.	53454
D. O'SULLIVAN, INSPECTOR.										
.....	24.8	4.4	2.4	Pre- sent	.....	.....	.....	.....	Bloodroot, ginger, li- quorice, rosin, sul- phur.	53539
.....	36.5	8.0	9.6	"	Pre- sent	.....	.....	.....	Linseed, rosin, sulphur	53540
.....	15.3	0.5	3.7	"	"	Pre- sent	.....	.....	Bicarbonate, blood- root, gentian, other drugs.	53541
.....	22.0	.....	.....	.....	"	"	.....	.....	Capsicum, fenugreek, gentian, rosin, sul- phur.	53542
.....	16.9	.....	10.2	.....	.....	.....	.....	.....	Assafoetida, bole, lin- seed, rosin, sulphur.	53543

