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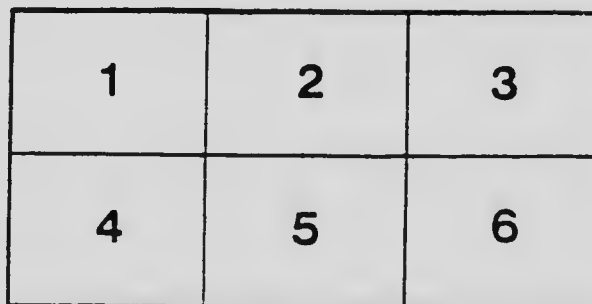
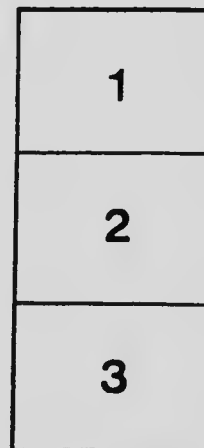
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LABORATORY
OF THE
INLAND REVENUE DEPARTMENT
OTTAWA, CANADA.

BULLETIN No 380

HEADACHE POWDERS

NOTE 7

In Bulletin No 360, page 7, I have referred to the fact that a number of articles which are essentially nothing more than Baking Powders are offered for sale under names which involve the use of the word "Egg".

These articles so far as they have come under my notice contain a yellow dye, evidently intended to suggest the presence of egg-yolk. Some of these articles contain small amounts of protein matter in the form of casein, gelatin or powdered dessicated egg, but in no case is the amount of such material so great as to justify their being offered as Egg substitutes or Egg Powders.

The phrase Egg Powder will be interpreted by this Department as equivalent to powdered egg, and if other material than powdered egg is present it will be required that the label shall state this

The term Egg Substitute is legitimate provided that both as to physical character and food value the article is equivalent to egg material.

The use of a yellow dye in any article claiming to be Powdered Egg or Egg Substitute or so named as to imply that the article is an egg powder or an egg substitute, will, unless the article actually meets the requirements for Egg Powder or Egg Substitutes, be held to be adulterated under Section 3 (h) of the Act.

A. MCGILL,
Chief Analyst.

LABORATORY
OF THE
INLAND REVENUE DEPARTMENT
OTTAWA, CANADA.

—
BULLETIN No 380
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HEADACHE POWDERS

Ottawa, July 6th, 1917.

J. U. VINCENT, Esq., K. C., B. A. L. Ph.
Deputy Minister of Inland Revenue,

Sir,

I beg to hand you a report dealing with the examination of 102 samples sold as Headache Powders. These samples were procured by our inspectors in October and November of last year.

They may be classified as follows; on the basis of the active ingredient contained in them :

Acetanilide (antifebrin).....	81 samples
Phenacetin.....	13 "
Both acetanilide and phenacetin.....	2 "
Aspirin (acetosalicylic acid).....	6 "
Total.....	102 "

Acetanilide continues to be the main drug in evidence. This is doubtless due to its relative cheapness, and to the fact that its potency makes it effective in smaller amount than either phenacetin or aspirin.

The respective doses prescribed by the British Pharmacopoeia for these drugs are as below : (Edn. 1914)

Acetanilide.....	2 to 5 grains
Phenacetin.....	5 to 15 "
Phenazone.....	5 to 15 "
Aspirin.....	5 to 15 "

The medical advisers of this Department have fixed the following limits for the drugs named, having reference to interpretation of section 7 (c) of the Proprietary or Patent Medicine Act.

Acetanilide.....	2 grains.
Phenacetin.....	5 "
Phenazone.....	5 "

This has regard to the presence of these drugs, without declaration on the package, one drug only being present in any case.

Where two scheduled drugs are present, each being in amount decidedly below permitted maximum, we interpret the above section of the Act as permitting the second drug in such amount only as may be considered complementary to that in which the first is present. For example, when one grain acetanilide is present, 2.5 grains phenacetin may also be present; but no more.

Aspirin (acetylsalicylic acid) is not specifically named in the Patent Medicine Act.

The results of analysis may be thus summarized :

Samples which meet legal requirements without declaration of drug.....	54
" which declare drug present.....	31
" Adjudged as doubtful.....	2
" Adjudged as adulterated.....	15

Total..... 102

One sample classified as *doubtful*, shows a decided excess of acetanilide in one powder, but another powder is within legal limits. The discrepancy may be due to carelessness in weighing out the material on the part of the manufacturer; and it is open to question whether or not such irregularity should be permitted to escape penalty.

The second sample so classified, declares the presence of *Antikamnia* which is a mixture of acetanilide with bicarbonate of soda. It is questionable whether or not the use of the term *antikamnia* may be accepted as tantamount to a statement that acetanilide is the active drug.

Adulteration consists in the presence of more than the permissible amount of the active drug, without declaration of the presence of such drug on the label.

We have made previous inspections of Headache Powders, as below :

Bulletin No. 113— January, 1906.....	30 samples.
Acetanilide found in.....	28 samples.
Bulletin No. 230— Dec. 1911.....	150 samples.
Acetanilide found in.....	118 samples.
Bulletin No. 268— Sept 1913.....	171 samples.
Acetanilide found in.....	139 samples.

I would respectfully advise publication of this report as Bulletin No. 380.

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

A. MCGILL,
Chief Analyst.

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No. 380.

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Date of Collection	Nature of Sample	Number of Sample	Name and Address of Vendor	Cost		Name and Address of Manufacturer or Furnisher as given by the Vendor	
				Quantity	cts.	Manufacturer.	Furnisher
1916 Nov. 28	Headache Powders	76346	Kinlay's Ltd., Halifax, N.-S.	1 pkg.	25	T. Milburn Co., Toronto.	Mfrs.....
" 29	"	76347	Nat. Drug & Chem. Co., Halifax, N.-S.	"	15	Vendors.....	.....
" 29	"	76348	Buckley Ltd., Halifax, N.-S.	"	43	"	.....
" 29	"	76349	J. McD. Taylor, Halifax, N.-S.	3 pkg.	30	Toronto Pharmaceutical Co., Toronto.	Mfrs.....
" 29	"	76350	Jas. D. Walsh, Halifax, N.-S.	"	30	Vendors.....	.....
" 25	"	73251	Carew & Fraser, New Glasgow	"	33	N. D. & C. Co., Toronto.	Mfrs.....
" 25	"	73252	" "	"	33	F. G. Wheaton Co., Ltd., Folly Village, N. S.	Mfrs.....
" 25	"	73253	" "	"	33	Vendors.....	.....
" 25	"	73254	Grant Bros. New-Glasgow, N.-S.	"	33	E. S. MacKenzie, New-Glasgow.	.....
" 25	Headache wafers	73255	" "	"	26	F. Stearns, Windsor Ont.	.....

DISTRICT OF NOVA SCOTIA, R. J. WAUGH INSPEC

HEADACHE POWDERS

Description as found on the label	Direction for use as found on the label	Powders	Results of Analysis					No of Sample	Remarks and Opinion of the Chief Analyst
			Weight of Powders grs	Acetanilide grs	Anifebrin grs	Phenacet- line. grs	Andryrino Phenazone grs		
Dr. Low's, No 71 The P or P.M. act. Each powder contains 5.886 grains of acetanilide.	One powder for adults, repeated in 30 minutes if necessary, children under 10 years 1-3 of a powder 10 to 15 years 1/2 a powder.	No. 1	7.6	5.8			76346	Meets Legal Requirements by declaration.	
		No 2	7.9	6.0					
Na-dru-co, No 501 The P or P. M. act.	One powder for headache or neuralgia, repeated in half an hour if not relieved. For rheumatic pains, or persistent neuralgia, take one powder 4 times a day.	No 1	4.7	aspirin			76347	Meets Legal Requirements.	
		No 2	5.2	"					
Buckley's, Safe effective & positive cure for headache, neuralgia pains, Grippe & Sleeplessness. No 353 The P or P. M. Act.	One powder, repeated in 1/2 an hour if pain is not all gone, then one every four hours.	No 1	6.3	3.2			76348	"Cure" claimed. Excess acetanilide in one powder. The other meets legal requirements. Pass.	
		No 2	4.4	2.0					
Perfect, Instantaneous cure for headaches and neuralgia promptly relieves sick stomach exhausted nerves. Mental strain & sleeplessness. No 95 Por P. M. act.	One powder, repeated in half an hour if not relieved. Do not repeat needlessly.	No 1	7.4	1.2			76349	"Cure" claimed. Meets Legal Requirements.	
		No 2	8.9	1.6					
Walsh's, A headache is not a disease in itself, but merely a reflection of other derangements. No 604 The P or P. M. Act.	One powder, repeated in 30 minutes if necessary at least 3 hours should elapse before another dose is taken.	No 1	11.4	1.9			76350	Meets Legal Requirements.	
		No 2	11.0	1.8					
Na-dru-co, An excellent remedy for headache feverish conditions Neuralgia, rheumatic pains etc, etc contains no poisonous drugs. No 501, Por P.M. Act.	Same as Sample No. 76347.	No 1	4.4	aspirin			73251	Meets Legal Requirements.	
		No 2	4.8	"					
Kumfort, gives promptly relief in headache, neuralgia or la grippe. Contains acetanilide. No. 123 The P or P. M. Act.	One powder for adults, repeated in half an hour if needed. Children under 10 years, 1-3 of a powder; 10 to 15 years 1/2 a powder.	No 1	7.9	3.0			73252	Meets Legal Requirements, by declaration.	
		No 2	8.2	3.2					
Our own, A headache is not a disease in itself but merely a reflection of other derangements. 2 grains of acetanilide in each powder.	Same as sample No. 76350	No 1	10.2	1.7			73253	Meets Legal Requirements.	
		No 2	10.0	1.7					
Mackenzies, This sample is described like No. 73253	Same as sample No. 76350	No 1	6.0	1.0			73254	Meets Legal Requirements.	
		No 2	9.3	1.6					
Wafers were loose in envelope.		No 1	7.7	3.3			73255	Meets Legal Requirements by declaration.	
		No 2	8.9	3.8					

TOR, W. A. PETIPAS, TEMP. INSPECTOR

Date of Collection	Nature of Sample	Number of Sample	Name and Address of Vendor	Cost.		Name and Address of Manufacturer or Furnisher as given by the Vendors	
				Quantity.	cts.	Manufacturer	Furnisher

DISTRICT OF NEW-BRUNSWICK —

1916 Oct.	12	Headache Powders	69556	Nat. Drug & Chem. Co., St. John, N. B.	3 pkgs	33	F. G. Wheaton, Am- herst, N.-S.	.....
"	13	"	69557	The Canadian Drug Co., St- John, N. B.	"	30	T. Milburn Ltd. Toronto.	.....
"	18	"	69558	Johnston & Johnston, St. Ste- phen, N. B.	"	30	Vendors.	.....
"	24	"	69559	C. Fred. Chestnut, Frederic- ton, N. B.	"	33	Imperial Drug Co., Londres, eng.	.....
"	25	"	69560	J. D. B. Mackenzie, Chatham, N. B.	"	33	Vendors	.....

DISTRICT OF QUEBEC CITY —

Oct.	19	Headacne Powders	56827	Jos. Paquet & Cie., 154, rue du Pont, Quebec.	3 pkgs	60	Unknown.....	N. Turcot- & Cie
"	20	"	56828	Jos. Masson, 808, St.-Valler Quebec.	"	30	Toronto Pharmacal Co.	Mfrs.
"	20	"	56829	" " "	"	30	F. G. Wheaton Co. Ltd.	E. D. Morin
"	20	"	56830	J. B. Giroux, 385, St. Joseph, Quebec.	"	75	The Hoffman Drug Co., Bridgeburg, Ont	Unknown
"	21	"	56831	" " "	"	75	N. Y. L. D. Co. Windsor, Ont.	Mfrs.

HEADACHE POWDERS

Description as found on the label	Results of Analysis						Remarks and Opinion of the Chief Analyst	
	Direction for use as found on the label	Powders	Weight of Powders grs	Acetanilide grs	Antifebrin grs	Phenacetine grs		Antipyrine grs	No. of Sample
DOS. C. FERGUSON, INSPECTOR.								
This sample is described like No. 73252		No 1 No 2	6.0 5.6	2.4 2.3			69556	Meets Legal Requirements.
Milburn's Sterling, Relieves Headaches Neuralgia etc. No 71. The P or P. M. act each powder contains less than 0.324 of a gramme of acetanilide.	One powder, repeated in 30 minutes if necessary. Children 10 to 15 years $\frac{1}{2}$ a powder. And repeated as above, if necessary. It is not wise to take a third powder until 8 or 10 hours have passed.	No 1 No 2	10.2 15.3	3.5 3.3			69557	Meets Legal requirements by declaration.
Useful in headaches and neuralgia. Acetanilide 3 grains in each powder.	One powder, repeated in 30 minutes. For sleeplessness one powder on retiring at least 3 hours should elapse before another dose is taken. For children reduce dose according to age, a sodlitz powder or other mild laxative should be taken with the first dose	No 1 No 2	9.3 8.9	2.8 2.6			69558	Meets Legal requirements by declaration.
Imperial. This sample is described like No. 76353		No 1 No 2	7.7 10.3	1.2 1.6			69559	Meets Legal Requirements.
Perfect. This sample is described like No 76349.		No 1 No 2	8.6 8.1	1.6 1.5			69560	Meets Legal requirements.
F. X. W. E. BELAND, INSPECTOR.								
Mathews Nerve. One powder will relieve and a few powders will cure headaches feverishness sleeplessness, &c contain no opium, morphine or chloral good for children teething No 473 The P or P. M. Act.	One powder every 3 hours. Can be repeated however after one hour. If not relieved. Children in proportion to age.	No 1 No 2	5.4 6.1	3.8 4.3			56827	"Cure" claimed Acetanilide in excess without declaration. Hence adulterated under the Act
This sample is described like No. 76349		No 1 No 2	11.0 10.5	2.1 2.0			56828	Meets Legal Requirements.
This sample is described like No. 73252		No 1 No 2	10.3 9.3	4.4 4.0			56829	Meets Legal Requirements by declaration.
Hoffmans Harmless. A cure for all headaches. Contain no opium. Quinine, Bromides or narcotics, Acetanilide, No 847. P or P. M. Act.	One powder, if not relieved in half an hour, take another powder.	No 1 No 3	9.7 10.2	4.5 4.8			56830	Cure claimed. Meets Legal Requirement by declaration.
Nyals. Relieves all headaches. 3 grains acetanilide in each powder.	One powder, second may be taken after an hour if necessary, not more than 2 powders should be taken in succession.	No 1 No 2	5.4 13.0	2.2 5.5			56831	Meets Legal Requirements by declaration but carelessly prepared.

Date of Collection	Nature of Sample	Number of Sample	Name and Address of Vendor.	Cost.		Name and address of Manufacturer or Furnisher as given by the Vendor		
				Quantity.	cts.	Manufacturer	Furnisher	
DISTRICT OF QUEBEC PROVINCE : J. E. AUDET.								
1916 Nov. 20	Headache Wafers.	5370	J. E. Fortier, St-Henri.....	3 pkgs.	60	J. A. E. Gauvin, Montreal.	.....
" 21	"	5371	J. Blais, St. Isidore.....	"	60	Dr. Ed. Morin, Quebec.	.....
" 22	" Powders	5373	J. E. Gagné, Scott.....	"	54	Mathieu.	.....
" 23	"	5374	T. Dallaire, Ste Marie.....	"	78	"	.....
" 24	" Wafers.	5375	A. Lacasse, Ste Claire.....	"	60	Ed. Morin, Quebec.	.....
Oct. 21	" Powders	4352	J. A. Lemieux, St-Michel....	"	57	J. L. Mathieu, Sherbrooke.	.....
" 23	"	4358	J. Carrier, St-Gervais.....	"	78	"	.....
" 23	"	4359	J. E. Rouillard, St-Gervais...	"	57	"	.....
" 25	" Wafers.	4364	Arthur Fradette, Armagh....	"	54	Dr. Ed. Morin & Cie, Quebec.	.....
Oct. 14	" Powders	5747	J. N. Desjardins, St-Jérôme..	"	81	Mathieu, Sherbroo- ke.	.....
Nov. 3	" Wafers.	72408	A. C. Landry, Mont Joli.....	"	60	Northrop & Ly- man, Co, Toronto	.....
" 3	"	72410	B. St.-Amand, Mont Joli....	"	60	Nat. Drug & Chem. Co.	.....
Oct. 18	" Powders	72294	Pierre Morin, Cap St-Ignace	"	75	Mathieu, Sherbrooke	.....

HEADACHE POWDERS

Description as found on the label	Results of Analysis							Remarks and Opinion of the Chief Analyst		
	Direction for use as found on the label	Powders	Weight of Powders grs	Acetanilide grs	Antifebrin	Phenacetine grs	Antipyrine grs		Phenazone grs	No of sample
Gauvins. Cures headaches, neuralgia and grippe, acetanilide No. 704 The P or P. M. Act.	One wafer, repeated in 20 minutes if not relieved. In severe cases take one wafer every three hours.	No 1	15.3	3.7					5370	"Cure" claimed. Meets Legal requirements by declaration.
		No 2	14.5	3.0						
Dr. Ed. Morin's do not contain opium morphine or chloral, a sure remedy for headaches of all kinds, each wafer contains 3 grains acetanilide No 88 The P or P. M. Act.	One wafer repeat in an hour if cure is not obtained, but do not take more than 2 wafers in succession. Depression of any may be dispelled by taking a dessert spoonful of wine.	No 1	8.2	2.1					5371	Meets Legal Requirements.
		No 2	9.7	2.6						
This sample is described like No 56827		No 1	4.9	3.3					5373	"Cure" claimed. Excess acetanilide, without declaration, Adulterated.
		No 2	5.0	3.4						
This sample is described like No 56827		No 1	4.9	3.0					5374	"Cure" claimed. Adulterated as preceding.
		No 2	4.8	3.0						
This sample is described like No 5371		No 1	14.1	3.7					5375	Meets Legal Requirements by declaration.
		No 2	13.0	3.2						
This sample is described like No 56827		No 1	4.5	3.0					4352	"Cure" claimed. Adulterated as containing excess acetanilide without declaration.
		No 2	4.0	3.4						
This sample is described like No 56827		No 1	5.0	4.1					4358	"Cure" claimed. Adulterated like preceding.
		No 2	5.0	4.0						
This sample is described like No. 56827.		No 1	4.5	3.1					4359	"Cure" claimed. Adulterated, like preceding
		No 2	4.9	3.3						
This sample is described like No. 5271		No 1	8.0	2.0					4364	Meets Legal Requirements by declaration.
		No 2	11.6	3.0						
This sample is described like No 56827		No 1	5.3	3.6					5747	"Cure" claimed. Excess acetanilide, without declaration, Adulterated.
		No 2	6.2	4.0						
Dr. J.B. Kollog's relieves headache of all kinds. Each 5 grain cachet contains 35 parts of acetanilide.	One wafer, repeated in one hour if ache is not removed do not take more than two wafers in succession.	No. 1	4.5	3.2					72408	Meets Legal Requirements by declaration.
		No 2	3.9	2.7						
Nadruco No 591 The P or P. M. act. contain no morphine opium or other poisonous Drugs.	One wafer repeated in ½ an hour if necessary for rheumatic pains take one wafer 3 times a day.	Contains	no	listed	drug				72410	Meets Legal Requirements.
This sample is described like No 56827		No 1	5.0	3.4					72294	"Cure" claimed. Adulterated, as containing excess acetanilide not declared.
		No 2	4.4	3.1						

O. BROCHU, N. CADIEUX E. DECHENE, T. GENDREAU TEMP. INSPECTORS.

Date of Collection	Nature of Sample	Number of Sample	Name and Address of Vendor	Name and Address of Manufacturer or Furnisher as given by the Vendor		
				Cost.	Quantity.	Furnisher

DISTRICT OF THREE-RIVERS—

1910 Oct.	11	Headache Powders	5464 A. L. Beucher, Joliette.....	3 pkgs	75	United Drug Co Ltd. Toronto.	
"	11	"	5465 J. T. Gaudet, Joliette.....	"	25	New York & London Drug Co. Windsor, Ont.	
"	13	"	5470 L. P. Normand, Three-Rivers	"	25	Mathieu	C. A. Des- coteaux, Yamachi- che.
"	13	"	5471 J. A. Pettier, Three Rivers	"	25	"	"

DISTRICT OF EASTERN TOWNSHIPS—

Oct.	18	Headache Powders	73833 P. G. Nadeau, Stanfeld.	3 pkgs	63	J. L. Mathieu.....	
"	18	"	73834 B. Thibodeau, Stanfeld.	"	60	Ed. Morin & Co.	Quebec.
"	18	"	73835 A. Thibodeau, Stanfeld.	"	60	Mathieu.....	
"	18	Headache Wafers	73836 D. Lachance, Stanfeld.	"	50	The Hervay Chemi- Co. St-Basile, P.Q.	Paul Thi- bault, Vic- toria Mills
"	18	"	73837 Philippe Lachance, Stanfeld.	"	60	J. A. Gauvin, Montreal.	

DISTRICT OF MONTREAL :—

Nov.	10	Headache Powders	74936 J. A. E. Gauvin, 850 St. Ca- therine, St E. Montreal.	3 boxes	76	Vendor.	
"	10	"	74937 Quenneville, Guérin & Bélan- ger, 700 St. Catherine St., E., Montréal.	"	78	Toronto Pharmacal Co., Toronto.	
"	10	"	74938 A. Robert, 539 St. Catherine St., E. Montréal.	"	78	Stearns & Co.	

HEADACHE POWDERS

Description as found on the label	Results of Analysis						Remarks and Opinion of the Chief Analyst
	Direction for use as found on the label	Powders	Weight of Powders grs	Acetanilide Antifebrin grs	Phenacetine grs	Antipyrine Phenazone grs		No. of Sample
D. V. L. LAVALLEE, INSPECTOR.							
Revall. Each powder contains 5 grains of phenacetine, are free from Antipyrin, Opium, morphine or chloral. No. 1803. The P or P. M. Act. This sample is described like No. 56831.	One powder. For severe headache, repeat the dose one, after a lapse of 20 minutes.	No 1	5.2	.....	3.4	.....	5464 Meets Legal Requirements by declaration.
		No 2	5.3	.....	3.5	.....
Mathieu's Nervine. Loose powders wrapped in paper. Labelled Mathieu's Nervine powders for headache and neuralgia. This sample is described like No. 5470.		No 1	3.8	1.6	.....	.....	5465 Meets Legal Requirements.
		No 2	3.7	1.5	.....	.....
		No 1	4.6	3.4	.....	.....	5470 Adulterated by excess acetanilide without declaration
		No 2	4.4	3.4	.....	.....
		No 1	5.2	3.9	.....	.....	5471 Adulterated like preceding.
		No 2	5.3	3.3	.....	.....
E. BLONDIN, TEMP. INSPECTOR.							
This sample is described like No. 56827.		No 1	4.4	3.0	.....	.....	73833 "Cure" claimed. Adulterated like preceding.
		No 2	4.4	3.0	.....	.....
This sample is described like No. 5371.		No 1	10.9	2.9	.....	.....	73834 Meets Legal Requirements by declaration.
		No 2	10.5	2.8	.....	.....
This sample is described like No. 56827.		No 1	5.3	3.7	.....	.....	73835 "Cure" claimed. Adulterated as containing excess acetanilide without declaration.
		No 2	4.6	2.9	.....	.....
Hervays. A sure remedy for headaches of all kinds, produce instant relief, cure in 10 minutes, contain nothing injurious, as opium, morphine or chloral. This sample is described like No. 5370.	One wafer, repeated in an hour if cure is not obtained. Not more than 2 wafers in succession. Depression if any may be dispelled by taking a dessert spoonful of wine.	No 1	11.0	4.4	.....	.....	73836 "Cure" claimed. Adulterated as containing excess acetanilide, without declaration.
		No 2	10.0	4.1	.....	.....
		No 1	12.1	3.3	.....	.....	73837 "Cure" claimed. Meets Legal Requirements by declaration.
		No 2	10.1	2.8	.....	.....
D. J. KEARNEY, INSPECTOR.							
Williams. Contain Antikamnia, free from opium, morphine or narcotics. Given in headache, &c., a positive cure in neuralgia. This sample is described like No. 74349.	One powder, repeat in half an hour if not relieved.	No 1	16.1	4.2	.....	.....	74936 "Cure" claimed. Doubtful, Anti Kamnia. Contains acetanilide, which is in excess of legal limit.
		No 2	13.4	3.7	.....	.....
This sample is described like No. 56831.		No 1	8.4	1.7	.....	.....	74937 "Cure" claimed. Meets Legal requirements.
		No 2	8.0	1.6	.....	.....
		No 1	5.2	2.4	.....	.....	74938 Meets Legal Requirements, by declaration.
		No 2	6.6	3.0	.....	.....

Date of Collection	Nature of Sample	Number of Sample	Name and Address of Vendor	Cost.		Name and address of Manufacturer or Furnisher as given by the Vendor	
				Quantity	cts.	Manufacturer	Furnisher

DISTRICT OF MONTREAL—Continued.

Nov. 10	Headache Powders	74930	Lecours & Lanoû, 310 St. Catherine St. E. Montreal.	3 boxes	57	Vendors	
" 10	"	74940	J. H. Nault, 225 St Catherine St. E. Montreal.	"	78	Mathieus	

DISTRICT OF VALLEYFIELD :

Oct. 24	Headache Wafers	67755	L. L. Smith, Buckingham	3 boxes	75	The Zymole Co (Ine) New York City	
" 26	"	67756	Paquet Bros, Hawkesbury, Ont.	"	75	J. A. E. Gauvin	
" 26	"	67757	W. A. McRae, Hawkesbury, Ont.	"	75	The Toronto Pharmacal Co., Ltd. Toronto.	
" 30	Headache Powders	67759	A. Bourgeois, St. Johns, P.Q.	"	75	Peninsular Chem. Co Walkerville, Ont.	

DISTRICT OF OTTAWA :

Oct. 28	Headache Wafers	73738	M. R. MacFarland, Almonte	1 box	25	The United Drug Co, Ltd.	
" 31	"	73743	Rogers & Southwell, Bank St., Ottawa	1117	"	Vendors	
" 31	" Powders	73752	Allen & Cochrane, Ottawa	1 pkg	25	Wilson Chem. Co Ltd Toronto	

HEADACHE POWDERS

Description as found on the label	Results of Analysis							Remarks and Opinion of the Chief Analyst
	Direction for use as found on the label	Powders	Weight of Powders grs	Acetanilide grs	Antifebrin grs	Phenacetine grs	Antipyrine — Phenazone grs		No of Sample
Wheeler's, 10 minute headache and neuralgia, antidote. Acetanilide and Phenacetine. A guaranteed cure, perfectly harmless, contains no Bromides Antipyrine, chloral opium or morphine. No 415. P or P. M. Act. This sample is described like No. 56827	One powder.	No 1	15.7	4.5	Present in negligible quantity.	.....	74939	"Cure" claimed. Meets legal requirements by declaration.
		No 2	14.5	4.3				
		No 1	5.1	3.6	.....	.....	74940	"Cure" claimed. Adulterated. Acetanilide in excess, and not declared.
		No 2	5.7	4.2				

J. J. COSTIGAN, ACTING INSPECTOR

Shac. Headache cure, a relief in neuralgia, free from antipyrine morphine chloral or Opium, each wafer contains 3 grains pure acetanilide. This sample is described like No 5370.	One wafer for Adults, repeated in an hour if not relieved. Not more than 2 wafers should be taken in succession	No 1	6.1	2.4	.....	.....	67755	"Cure" claimed. Meets Legal Requirements, by declaration.
		No 2	7.7	3.3				
Perfect, are free from morphine, chloral or Bromides. No 95. The P or P. M. Act.	One wafer repeated in an hour if not relieved a seidlitz powder frequently gives valuable assistance.	No 1	7.6	1.6	.....	.....	67757	Meets Legal Requirements.
		No 2	8.0	1.6				
Penstar. Each powder contains 2 grains of acetanilide.	One powder for adults, if necessary a second powder may be taken in half an hour, but not more than 3 should be taken within 6 hours.	No 1	7.8	1.9	.....	.....	67759	Meets Legal Requirements.
		No 2	8.0	2.0				

J. A. RUCKEY, INSPECTOR.

Rexall No 1903. The P or P. M. Act. A guaranteed remedy for headache.	One wafer repeat in 20 minutes if not relieved. Do not take more than 4 in 24 hours.	No 1	5.0	.....	3.2	.....	73738	Meets Legal requirements.
		No 2	5.0	.....	3.2			
Rogers. A positive relief for headaches and neuralgia. 2 grains of acetanilide in each wafer.	One wafer, repeated in 30 minutes if necessary at least 3 hours should elapse before another dose is taken. A seidlitz powder or other mild laxative, should be taken with first dose.	No 1	13.4	2.3	.....	.....	73743	Meets Legal Requirements.
		No 2	12.3	2.1				
Wilson's. Relieves headache and neuralgia. No. 3110. The P or P. M. Act.	One powder, repeated in 20 minutes if necessary	No 1	6.5	.....	4.3	.....	73752	Meets Legal Requirements.
		No 2	6.4	.....	4.2			

Date of Collection	Nature of Sample	Number of Sample	Name and Address of Vendor	Cost		Name and Address of Manufacturer or Furnisher as given by the Vendor	
				Quantity	cta.	Manufacturer.	Furnisher

DISTRICT OF OTTAWA—Continued.

1916 Nov.	1	Headache Tablets	73753	Chas A. Adams, Kemptville	1 pkg	25	B. N. Robinson & Co Coaticook P.Q.	.....
"	1	" Powers	73760	M. J. Corbett, Merrickville.	3"	25	Vendor	.....

DISTRICT OF KINGSTON :—

Oct.	18	Headache Powers	73701	R. L. Morgan, Lindsay, Ont.	1 box	25	Vendor.....	.....
"	19	"	73719	J. B. Doyle, Belleville.....	"	25	Peninsular Chem.Co Walkerville, Ont	.....
"	19	Headache Tablets	73720	D. M. Waters, Belleville.....	"	25	B. M. Robinson & C Coaticook, P. Q.	.....
"	20	" Powers	73731	Prouses Drug Store, Kingston		25	Beacon Drug Co.... Kingston	.....
"	20	" Tablets	73732	W. W. Gibson, Kingston....	"	25	Peninsular Chem Co Walkerville, Ont..	.....
"	25	" Powers	73737	F. C. Webber, Peterboro....	"	25	" "	.....

HEADACHE POWDERS

Description as found on the label	Results of Analysis						No. of Sample	Remarks and Opinion of the Chief Analyst
	Direction for use as found on the label	Powders	Weight of Powders grs	Acetanilide grs	Antifebrin grs	Phenacetine grs		
Zitoo. Japanese headache cure. No. 1134. The P or P. M. Act. relieves the pains of rheumatism and indigestion.	One tablet, repeated in ½ an hour if not cured.	No 1 No 2	5.8 6.4	1.9 1.8				73753 "Cure" claimed. Meets Legal Requirements.
Corbett's 3 grains acetanilide in each powder.	One powder, repeated in 30 minutes if necessary. At least 3 hours should elapse before another dose is taken.	No 1 No 2	11.4 13.8	2.8 3.3				73760 Meets Legal Requirements, by declaration.
J. A. RICKEY, ACTING INSPECTOR.								
Brownie. 2 grains acetanilide in each powder. Free from opium, morphine, cocaine, or cocaine. For headache and neuralgia. As relief in sudden cold, with fever.	One powder repeated in 30 minutes if not relieved. For neuralgia. One powder every 2 or 3 hours. For sleeplessness and nervousness one powder on retiring to be repeated in one hour if sleep is not produced. For children reduce dose according to age.	No 1 No 2	11.4 10.2	1.9 1.8				73701 Meets Legal Requirements.
This sample is described like No. 67759		No 1 No 2	9.0 8.3	1.7 1.6				73719 Meets Legal Requirements.
This sample is described like No. 73753.		No 1 No 2	5.7 6.2	1.8 2.2				73720 "Cure" claimed. Meets Legal Requirements.
Diamend. For headaches, and neuralgia. Acetanilide 2 grains in each powder.	One powder for headache, repeated in 30 minutes if necessary at least 3 hours should elapse before another dose is taken. A seld-litz powder or other mild laxative should be taken with the first dose. For sleeplessness one powder on retiring. For neuralgia one powder every 2 or 3 hrs. For children reduce dose according to age.	No 1 No 2	8.7 7.8	1.4 1.3				73731 Meets Legal Requirements.
Penslar. Each tablet 3½ grains acetanilide & 1-16 grain of Phenolphthalein.	One tablet, repeated in 20 or 30 minutes if necessary, not more than 3 should be taken, within 12 hours. For a child 12 years old ½ a tablet.	No 1 No 2	6.1 6.0	3.5 3.4				73732 Meets Legal requirements, by declaration.
This sample is described like No. 67759.		No 1 No 2	7.4 5.6	1.4 1.0				73737 Meets Legal Requirements.

Date of Collection	Nature of Sample	Number of Sample	Name and Address of Vendor	Cost.		Name and address of Manufacturer or Furnisher as given by the Vendor		
				Quantity	cts.	Manufacturer	Furnisher	
DISTRICT OF TORONTO :—								
1916 Oct.	20 Headache Powders	75483	Owl Drug Co Ltd., 491 Parliament St. Toronto.	3-4dz	75	Vendors.....		
"	21 "	75844	W. H. Andrews, 609 Dundas St., Toronto	1 box	20	Vendor		
"	21 Headache Kernels	75485	W. K. Buckley, 69 Wilton Ave., Toronto	3-4 dz	26	"		
"	21 Headache Powders	75486	The F. E. Karn Co Ltd Queen & Victoria Sts Toronto.	1 box	16	Vendors.....		
"	23 Headache Wafers.	75487	Geo. Marshall Co., 137 Wilton Ave., Toronto	"	26	"		
DISTRICT OF HAMILTON :—								
Nov.	1 Headache Powders	75495	F. W. Jeffs, 68 King St., St. Catharines, Ont.	1 box	26	Vendor.....		
"	1 "	75496	R. M. Black 3 St. Paul St., St. Catharines	"	26	"		
"	1 "	75497	A. W. Garner & Co, 193 St. Paul St., St Catherine	"	26	New York & London Drug Co New York, U. S. A.		
"	2 "	75498	A. J. J. Brennan, 7 East Main St., St. Catherine	"	25	United Drug Co., Toronto		
"	2 "	75499	W. H. Smith, 139 East main St., Welland	"	26	Peninsular Chem Co Ltd., Walkerville		

HEADACHE POWDERS

Description as found on the label	Results of Analysis						Remarks and Opinion of the Chief Analyst
	Direction for use as found on the label	Powders	Weight of powders grs	Acetamide Antifebrin grs	Phenacetine grs	Antipyrine Phenazone grs		No of Sample
H. J. DAGER, INSPECTOR.							
Woodfall's. Powders were loose wrapped in paper No 2585 The P or P. M. Act. Parks. Instant headache cure. No 748 The P or P. M. act. No registration No on box. Powders were loose wrapped in paper.	One powder	No 1 No 2	41.0 32.0	..... .....	4.9 3.6	..... .....	75483 Meets Legal Requirements.
Rez No 1076 P or P. M. Act. Sure Cure for Headache & neuralgia. Konsuls were loose wrapped in paper.		No 1 No 2	7.7 8.0	2.0 2.0	..... .....	..... .....	75484 "Cure" claimed. Meets Legal Requirements.
Kauns. Celery headache powders. A Sure cure for headaches & Neuralgia. Powders loose wrapped in paper.		No 1 No 2	4.9 6.0	0.5 0.7	0.7 0.9	..... .....	75485 "Cure" claimed. Meets Legal Requirements.
Dr Bands. Never fail to cure Reg. No 1663 P or P. M. Act. Wafers were loose wrapped in paper.		No 1 No 2	13.1 11.2	2.6 2.3	..... .....	..... .....	75486 "Cure" claimed. Meets Legal Requirements.
		No 1 No 2	5.4 7.2	1.4 1.9	3.0 4.1	..... .....	75487 Adulterated. The sum of active ingredients is in excess of legal limit.
H. J. DAGER, ACTING INSPECTOR.							
sure cure. Reg. No 716 The P or P. M. Act. Powders were loose wrapped in paper.	One powder repeated in half an hour if not relieved. Do not repeat needlessly.	No 1 No 2	7.1 7.4	1.4 1.4	..... .....	..... .....	75495 Claims cure. Meets Legal Requirements.
Perfect. Contain no Narcotics. Same sure & harmless. Reg. No 923 The P or P. M. Act. Powders loose wrapped in paper.	One powder repeated in half an hour if not relieved. Do not repeat needlessly.	No 1 No 2	7.3 8.2	1.5 1.6	..... .....	..... .....	75496 Meets Legal Requirements.
This sample is described like No 56831		No 1 No 2	4.9 5.0	2.2 2.2	..... .....	..... .....	75497 Meets Legal Requirements.
Revall. Each powder contains 3 grains of phenacetine. powders were loose wrapped in paper.		No 1 No 2	6.9 6.7	..... .....	2.8 2.7	..... .....	75498 Meets Legal Requirements.
Pensular. Each powder contains 3 grains of acetamide. powders were loose wrapped in paper.		No 1 No 2	8.1 9.8	2.1 2.6	..... .....	..... .....	75499 Meets Legal Requirements.

Date of Collection	Nature of Sample	Number 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 :—

1916 Nov.	7	Headache Wafers.	65054 C. J. Ready, Arkona.....	3 pgs	75	Nat. Drug. Co.....	
"	8	" Powders	65058 J. W. McLaron, Watford.....	"	33	United Drug Co Toronto	
"	9	"	65059 F. A. Lemon & Co., St. Thomas.	"	28	Vendors.....	
"	9	"	65060 F. H. Walley, St-Thomas....	"	78	Millburn & Co., Toronto	
"	9	"	65061 R. E. Crane & Co St. Thomas	"	78	Northrop & Lyman Co. Toronto	

DISTRICT OF MANITOBA :—

Oct.	21	Headache Powders	75059 M. C. Prust., Grand View, Man.	3 box	75	Toronto Pharmacal Co., Toronto	
"	23	"	75060 Irvin L Mitchell, Roblin.....	3 doz	125	Vendor.....	
"	26	"	75061 O. S. Heaslip, Dauphin.....	3 box	75	Nyal Mfg. Co Wind- sor, Ont.	
"	26	"	75062 Wilfred Robson, Dauphin...	3 pks	75	United Drug Co., Toronto	
"	28	"	75063 D. W. Bradshaw, 888 Portage ave., Winnipeg.	"	75	Martin Bolo & Win- ne Co Winnipeg	

DISTRICT OF SASKATCHEWAN :—

Oct.	16	Headache Powders	71626 Chowan McMillan Ltd., Saskatoon	1 doz	45	United Drug Co. Toronto	
"	16	"	71627 Saskatoon Drug & Stationery Co., Saskatoon	.20	50	Hoffman Drug Co., Bridgebury Ont.	
"	20	"	71633 H. S. Hamilton, Moose Jaw	1 doz	25	Peninsular Chem. Co Walkerville	

HEADACHE POWDERS

Description as found on the label	Results of Analysis							Remarks and Opinion of the Chief Analyst
	Direction for use as found on the label	Powders	Weight of powders grs	Acetanilide grs	Antifebrin grs	Phenacetine grs	Antipyrine grs		No. of Sample
JOHN TALBOT, INSPECTOR.								
This sample is described like No 72410		Contains	no	listed	drug	65054	Meets Legal Requirements.	
Recall. This sample is described No. 5464	No 1	7.6	.....	5.0	.....	65058	Meets Legal Requirements.	
Perfect. this sample described like No 76349	No 1	7.1	1.4	.....	.....	65059	"Cure" claimed. Meets Legal Requirements.	
This sample is described like No. 69557.	No 2	8.0	1.5	.....	.....	65060	Meets Legal Requirements, by declaration.	
Millers. Relieve Headaches and neuralgia No 40 The P or P. M. act. Contain no opium, morphine or narcotics.	No 1	12.5	3.0	.....	.....	65060	Meets Legal Requirements, by declaration.	
	No 2	13.4	3.1	.....	.....	65061	Meets Legal Requirements.	
	No 1	2.8	Acetos	allylic	.....	65061	Meets Legal Requirements.	
	No 2	2.1	.....	.....	.....
J. B. GOSGROVE, INSPECTOR.								
This sample is described like No 76349	No 1	7.4	1.3	.....	.....	75059	"Cure" claimed. Meets Legal Requirements.	
Phenacetin 1 dram,caff, citrate 20 grains calomel 1 grain mix and divide in 12 powders.	No 2	6.8	1.1	.....	.....	75060	Meets Legal Requirements.	
This sample is described like No 56831	No 1	8.3	.....	5.3	.....	75060	Meets Legal Requirements.	
This sample is described like No 5464.	No 2	7.5	.....	5.0	.....	75061	Meets Legal Requirements by declaration.	
Marwyn. Recommended for headache. Neuralgia, &c 3 1/2 grains of acetanilide in each powder.	No 1	7.5	.....	4.3	.....	75062	Meets Legal Requirements.	
	No 2	6.7	.....	4.4	.....	75063	Meets Legal Requirements by declaration.	
	No 1	9.5	3.4	.....	.....	75063	Meets Legal Requirements by declaration.	
	No 2	9.7	3.8	.....	.....	
	No 1	7.4	.....	4.2	.....	71626	Meets Legal Requirements.	
	No 2	7.4	.....	4.5	.....	71627	"Cure" claimed. Meets Legal Requirements by declaration.	
This sample is described like No. 56830. powders were loose wrapped in paper	No 1	12.3	5.6	.....	.....	71627	Meets Legal Requirements by declaration.	
Powders loose wrapped in paper	No 2	11.8	4.8	.....	.....	71633	Meets Legal Requirements.	
	No 1	9.5	2.3	.....	.....	
	No 2	9.8	2.0	.....	.....	
L. H. HALL, INSPECTOR.								

Date of Collection	Nature of Sample	Number of Sample	Name and Address of Vendor	Cost.		Name and address of Manufacturer or Furnisher as given by the Vendor	
				Quantity	cts.	Manufacturer	Furnisher

DISTRICT OF SASKATCHEWAN—Concluded

1916 Oct.	Headache Powders	72634	E. B. Carruthers, Moose Jaw	1 doz	25	Toronto Pharmacal Co., Toronto	.....
" 20	"	71635	H. A. Davidson, Moose Jaw	"	"	The T. Milburn Co., Toronto	.....

DISTRICT OF ALBERTA :—

Oct.	18	Headache Powders	52537	McDermid Drug Co Carstairs	3 pgs	75	Vendors.....	.....
"	18	" Wafers	52538	H. M. Chambers, Didsbury	"	75	United Drug Co., Toronto	.....
"	19	" Powders	52539	Olds Drug Co., Olds.....	"	78	Vendors.....	.....
"	19	" Wafers	52540	E. O. Folis & Co, Innisfail	3pkgs	75	The Zymoie Co., (Inc.) New-York..	.....
"	30	" Powders	52541	C. H. Harry, Calgary.....	"	78	Toronto Pharmacal Co., Toronto	.....

DISTRICT OF ROCKY MOUNTAINS :—

Nov.	14	Headacho Wafers	68291	A. Belford, Salmon Arm, B. C.	3pkgs	75	The Zymoie Co., New-York	.....
"	14	"	68292	" " "	"	75	Nat. Drug & Chem. Co., Toronto	.....
"	18	" Powders	68294	The Mallory Drug Co., Kam- loops B. C.	"	75	Vendor.....	.....
"	18	"	68295	J. H. Clements, Kamloops, B. C.	"	75	Vendor.....	.....
"	18	"	68296	A. Galloway Kamloops, B.C.	"	75	United Drug Co. Toronto	.....

HEADACHE POWDERS

Description as found on the label	Results of Analysis							Remarks and Opinion of the Chief Analyst		
	Direction for use as found on the label	Powders	Weight powders	Acetanilide	Antifebrin	Phenacetine	Antipyrine		Phenazone	No of Sample
This sample is described like No 76349, powders were loose wrapped in paper.		No 1 No 2	8.8 9.6	1.8 1.9					71634	"Cure" claimed. Meets Legal Requirements
This sample is described like No 69557, powders were loose wrapped in paper.		No 1 No 2	11.0 11.3	3.6 3.1					71635	Meets Legal Requirements by declaration.

A. W. R. MARKLEY, INSPECTOR.

Puritol, relieves headaches. Neuralgia and rheumatic pains, 4 grains phenacetine in each powder.	One powder repeated in an hour if necessary, not more than 2 powders should be taken in succession.	No 1 No 2	7.8 6.6			3.8 4.1			52537	Meets Legal Requirements.
This sample is described like No 73738		No 1 No 2	5.0 4.4			3.2 2.9			52538	Meets Legal Requirements
Pansy. A safe cure for all kinds of headaches. Free from Antipyrine morphine, chloral and opium, 3 grains acetanilide in each powder	One powder repeated in an hour. But do not take more than 2 powders in succession.	No 1 No 2	6.8 6.6	2.8 3.0					52539	"Cure" claimed. Meets Legal Requirements by declaration.
This sample is described like No 67755		No 1 No 2	7.1 7.8	3.0 2.9					52540	"Cure" claimed. Meets Legal Requirements by declaration.
This sample is described like No 76349		No 1 No 2	7.3 7.8	1.4 1.4					52541	"Cure" claimed. Meets Legal Requirements.

THOS. PARKER, INSPECTOR.

This sample is described like No 67755		No 1 No 2	8.0 7.1	3.6 3.2					68291	"Cure" claimed. Meets Legal Requirements, by declaration.
This sample is described like No 72110		No 1 No 2	3.5 4.0	aspirin					68292	Meets Legal Requirements.
Kearneys. For headaches & neuralgia, 2 grains of acetanilide in each powder.	One powder, repeated in 30 minutes. For neuralgia and rheumatism one powder every 2 or 3 hours. For sleeplessness one powder on retiring, repeated in an hour if necessary. For children reduce the dose according to age.	No 1 No 2	11.1 11.3	2.0 2.0					68294	Meets Legal Requirements.
Clements. For headaches & neuralgia 2 grains of Acetanilide.	Directions Same as sample No 68294	No 1 No 2	10.8 13.7	1.9 2.3					68295	Meets Legal Requirements.
This sample is described like No 5464		No 1 No 2	7.6 6.7			5.0 4.0			68296	Meets Legal Requirements.

Date of Collection	Nature of Sample	Number of Sample	Name and Address of Vendor	Cost		Name and Address of Manufacturer or Furnisher as given by the Vendor	
				Quantity	cts.	Manufacturer.	Furnisher

DISTRICT OF VANCOUVER:—

1916							
Oct.	11	Headache Powders	55686	Owl Drug Co., Main & Hastings Sts. Vancouver B.C.	3pkgs	75	Vendors.....
"	11	"	55687	Vanc. Drug Co 405 Hasting St., W. Vancouver B. C.		75	Manchester Drug Co Toronto.....
"	11	"	55688	Pacific Drug Stores Ltd, 601 Hasting St W. Vancouver, B. C.	"	75	Nyal Drug Co., Windsor, Ont.
"	11	"	55689	Georgia Pharmacy, Georgia & Granville Sts., Vancouver, B. C.	"	78	Vendors.....
"	12	" Wafers.	55690	Broadway & Pharmacy, Broadway & Granville Sts Vancouver, B. C.	"	80	The Zymole Co., New-York

HEADACHE POWDERS

Description as found on the label	Results of Analysis						Remarks and Opinion of the Chief Analyst	
	Direction for use as found on the label	Powders	Weight of powders grs	Acetamide grs	Antifebrin grs	Phenacetine grs		Antipyrine Phenazone grs	Sample
Films, P or P. M. act No 2161 For neuralgia & Headache.	One powder repeated in 2 or 3 hours if necessary.	No 1	1.9	0.6				55686 Meets Legal Requirements.
		No 2	2.4	0.8				
Reids, No 1560 The P or P. M. act. An instantaneous cure for headache and neuralgia.	One powder, repeated in half an hour if not relieved.	No 1	7.7	1.5				55687 "Cure" claimed. Meets Legal Requirements.
		No 2	8.7	1.0				
This sample is described like No 56831		No 1	6.2	2.6				55688 Meets Legal Requirements, by declaration.
		No 2	7.4	3.1				
Gilmours, Headache & neuralgia. No opiates or Harmful Drugs No 809 The P or P. M. act.	One powder, repeated in ½ an hour if necessary	No 1	10.4			3.2		55689 Meets Legal Requirements.
		No 2	10.5			3.2		
This sample is described like No 67755		No 1	7.1	3.1				55690 "Cure" claimed. Meets Legal Requirements by declaration.
		No 2	7.9	3.4				

C. S. EMES, INSPECTOR.

