

**CIHM  
Microfiche  
Series  
(Monographs)**

**ICMH  
Collection de  
microfiches  
(monographies)**



**Canadian Institute for Historical Microreproductions / Institut canadien de microreproductions historiques**

**© 1998**

## Technical and Bibliographic Notes / Notes techniques et bibliographiques

The Institute has attempted to obtain the best original copy available for filming. Features of this copy which may be bibliographically unique, which may alter any of the images in the reproduction, or which may significantly change the usual method of filming are checked below.

- |                                     |  |                                     |   |
|-------------------------------------|--|-------------------------------------|---|
| <input type="checkbox"/>            | Coloured covers /<br>Couverture de couleur   | <input type="checkbox"/>            | Coloured pages / Pages de couleur   |
| <input type="checkbox"/>            | Covers damaged /<br>Couverture endommagée  | <input type="checkbox"/>            | Pages damaged / Pages endommagées   |
| <input type="checkbox"/>            | Covers restored and/or laminated /<br>Couverture restaurée et/ou pelliculée  | <input type="checkbox"/>            | Pages restored and/or laminated /<br>Pages restaurées et/ou pelliculées   |
| <input type="checkbox"/>            | Cover title missing / Le titre de couverture manque  | <input checked="" type="checkbox"/> | Pages discoloured, stained or foxed /<br>Pages décolorées, tachetées ou piquées   |
| <input type="checkbox"/>            | Coloured maps / Cartes géographiques en couleur  | <input type="checkbox"/>            | Pages detached / Pages détachées  |
| <input type="checkbox"/>            | Coloured ink (i.e. other than blue or black) /<br>Encre de couleur (i.e. autre que bleue ou noire)   | <input checked="" type="checkbox"/> | Showthrough / Transparence  |
| <input type="checkbox"/>            | Coloured plates and/or illustrations /<br>Planches et/ou illustrations en couleur  | <input type="checkbox"/>            | Quality of print varies /<br>Qualité inégale de l'impression  |
| <input checked="" type="checkbox"/> | Bound with other material /<br>Relié avec d'autres documents   | <input type="checkbox"/>            | Includes supplemental material /<br>Comprend du matériel supplémentaire   |
| <input type="checkbox"/>            | Only edition available /<br>Seule édition disponible   | <input type="checkbox"/>            | Pages wholly or partially obscured by errata slips,<br>tissues, etc., have been refilmed to ensure the best<br>possible image / Les pages totalement ou<br>partiellement obscurcies par un feuillet d'errata, une<br>pelure, etc., ont été filmées à nouveau de façon à<br>obtenir la meilleure image possible. |
| <input checked="" type="checkbox"/> | Tight binding may cause shadows or distortion along<br>interior margin / La reliure serrée peut causer de<br>l'ombre ou de la distorsion le long de la marge<br>intérieure.  | <input type="checkbox"/>            | Opposing pages with varying colouration or<br>discolourations are filmed twice to ensure the best<br>possible image / Les pages s'opposant ayant des<br>colorations variables ou des décolorations sont<br>filmées deux fois afin d'obtenir la meilleure image<br>possible.                                     |
| <input type="checkbox"/>            | Blank leaves added during restorations may appear<br>within the text. Whenever possible, these have been<br>omitted from filming / Il se peut que certaines pages<br>blanches ajoutées lors d'une restauration<br>apparaissent dans le texte, mais, lorsque cela était<br>possible, ces pages n'ont pas été filmées. |                                     |   |
| <input type="checkbox"/>            | Additional comments /<br>Commentaires supplémentaires:   |                                     |   |

This item is filmed at the reduction ratio checked below /  
Ce document est filmé au taux de réduction indiqué ci-dessous.

10x	14x	18x	22x	26x	30x
12x	16x	20x	24x	28x	32x

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

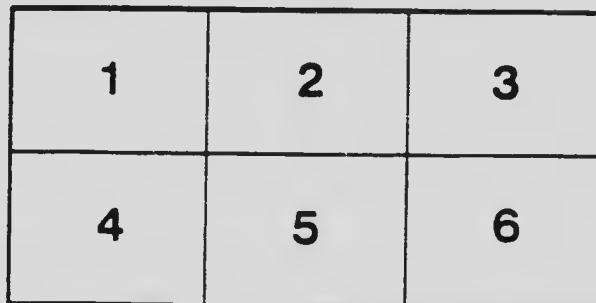
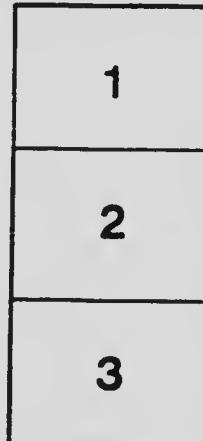
National Library of Canada

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 → (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 ampreinte 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 ampreinte d'impression ou d'illustration et en terminant par la dernière page qui comporte une telle ampreinte.

Un des symboles suivants apparaîtra sur la dernière image de chaque microfiche, selon le cas: le symbole → 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 la nombre d'images nécessaire. Les diagrammes suivants illustrent la méthode.

1  
2  
3  
4  
5  
6  
7  
8  
9  
10  
11  
12  
13  
14  
15  
16  
17  
18  
19  
20  
21  
22  
23  
24  
25  
26  
27  
28  
29  
30  
31  
32  
33  
34  
35  
36  
37  
38  
39  
40  
41  
42  
43  
44  
45  
46  
47  
48  
49  
50  
51  
52  
53  
54  
55  
56  
57  
58  
59  
60  
61  
62  
63  
64  
65  
66  
67  
68  
69  
70  
71  
72  
73  
74  
75  
76  
77  
78  
79  
80  
81  
82  
83  
84  
85  
86  
87  
88  
89  
90  
91  
92  
93  
94  
95  
96  
97  
98  
99  
100  
101  
102  
103  
104  
105  
106  
107  
108  
109  
110  
111  
112  
113  
114  
115  
116  
117  
118  
119  
120  
121  
122  
123  
124  
125  
126  
127  
128  
129  
130  
131  
132  
133  
134  
135  
136  
137  
138  
139  
140  
141  
142  
143  
144  
145  
146  
147  
148  
149  
150  
151  
152  
153  
154  
155  
156  
157  
158  
159  
160  
161  
162  
163  
164  
165  
166  
167  
168  
169  
170  
171  
172  
173  
174  
175  
176  
177  
178  
179  
180  
181  
182  
183  
184  
185  
186  
187  
188  
189  
190  
191  
192  
193  
194  
195  
196  
197  
198  
199  
200  
201  
202  
203  
204  
205  
206  
207  
208  
209  
210  
211  
212  
213  
214  
215  
216  
217  
218  
219  
220  
221  
222  
223  
224  
225  
226  
227  
228  
229  
230  
231  
232  
233  
234  
235  
236  
237  
238  
239  
240  
241  
242  
243  
244  
245  
246  
247  
248  
249  
250  
251  
252  
253  
254  
255  
256  
257  
258  
259  
260  
261  
262  
263  
264  
265  
266  
267  
268  
269  
270  
271  
272  
273  
274  
275  
276  
277  
278  
279  
280  
281  
282  
283  
284  
285  
286  
287  
288  
289  
290  
291  
292  
293  
294  
295  
296  
297  
298  
299  
300  
301  
302  
303  
304  
305  
306  
307  
308  
309  
310  
311  
312  
313  
314  
315  
316  
317  
318  
319  
320  
321  
322  
323  
324  
325  
326  
327  
328  
329  
330  
331  
332  
333  
334  
335  
336  
337  
338  
339  
340  
341  
342  
343  
344  
345  
346  
347  
348  
349  
350  
351  
352  
353  
354  
355  
356  
357  
358  
359  
360  
361  
362  
363  
364  
365  
366  
367  
368  
369  
370  
371  
372  
373  
374  
375  
376  
377  
378  
379  
380  
381  
382  
383  
384  
385  
386  
387  
388  
389  
390  
391  
392  
393  
394  
395  
396  
397  
398  
399  
400  
401  
402  
403  
404  
405  
406  
407  
408  
409  
410  
411  
412  
413  
414  
415  
416  
417  
418  
419  
420  
421  
422  
423  
424  
425  
426  
427  
428  
429  
430  
431  
432  
433  
434  
435  
436  
437  
438  
439  
440  
441  
442  
443  
444  
445  
446  
447  
448  
449  
450  
451  
452  
453  
454  
455  
456  
457  
458  
459  
460  
461  
462  
463  
464  
465  
466  
467  
468  
469  
470  
471  
472  
473  
474  
475  
476  
477  
478  
479  
480  
481  
482  
483  
484  
485  
486  
487  
488  
489  
490  
491  
492  
493  
494  
495  
496  
497  
498  
499  
500  
501  
502  
503  
504  
505  
506  
507  
508  
509  
510  
511  
512  
513  
514  
515  
516  
517  
518  
519  
520  
521  
522  
523  
524  
525  
526  
527  
528  
529  
530  
531  
532  
533  
534  
535  
536  
537  
538  
539  
540  
541  
542  
543  
544  
545  
546  
547  
548  
549  
550  
551  
552  
553  
554  
555  
556  
557  
558  
559  
560  
561  
562  
563  
564  
565  
566  
567  
568  
569  
570  
571  
572  
573  
574  
575  
576  
577  
578  
579  
580  
581  
582  
583  
584  
585  
586  
587  
588  
589  
589  
590  
591  
592  
593  
594  
595  
596  
597  
598  
599  
600  
601  
602  
603  
604  
605  
606  
607  
608  
609  
610  
611  
612  
613  
614  
615  
616  
617  
618  
619  
620  
621  
622  
623  
624  
625  
626  
627  
628  
629  
630  
631  
632  
633  
634  
635  
636  
637  
638  
639  
640  
641  
642  
643  
644  
645  
646  
647  
648  
649  
650  
651  
652  
653  
654  
655  
656  
657  
658  
659  
660  
661  
662  
663  
664  
665  
666  
667  
668  
669  
669  
670  
671  
672  
673  
674  
675  
676  
677  
678  
679  
679  
680  
681  
682  
683  
684  
685  
686  
687  
688  
689  
689  
690  
691  
692  
693  
694  
695  
696  
697  
698  
699  
700  
701  
702  
703  
704  
705  
706  
707  
708  
709  
709  
710  
711  
712  
713  
714  
715  
716  
717  
718  
719  
719  
720  
721  
722  
723  
724  
725  
726  
727  
728  
729  
729  
730  
731  
732  
733  
734  
735  
736  
737  
738  
739  
739  
740  
741  
742  
743  
744  
745  
746  
747  
748  
749  
749  
750  
751  
752  
753  
754  
755  
756  
757  
758  
759  
759  
760  
761  
762  
763  
764  
765  
766  
767  
768  
769  
769  
770  
771  
772  
773  
774  
775  
776  
777  
778  
779  
779  
780  
781  
782  
783  
784  
785  
786  
787  
788  
789  
789  
790  
791  
792  
793  
794  
795  
796  
797  
798  
799  
800  
801  
802  
803  
804  
805  
806  
807  
808  
809  
809  
810  
811  
812  
813  
814  
815  
816  
817  
818  
819  
819  
820  
821  
822  
823  
824  
825  
826  
827  
828  
829  
829  
830  
831  
832  
833  
834  
835  
836  
837  
838  
839  
839  
840  
841  
842  
843  
844  
845  
846  
847  
848  
849  
849  
850  
851  
852  
853  
854  
855  
856  
857  
858  
859  
859  
860  
861  
862  
863  
864  
865  
866  
867  
868  
869  
869  
870  
871  
872  
873  
874  
875  
876  
877  
878  
879  
879  
880  
881  
882  
883  
884  
885  
886  
887  
888  
889  
889  
890  
891  
892  
893  
894  
895  
896  
897  
898  
899  
900  
901  
902  
903  
904  
905  
906  
907  
908  
909  
909  
910  
911  
912  
913  
914  
915  
916  
917  
918  
919  
919  
920  
921  
922  
923  
924  
925  
926  
927  
928  
929  
929  
930  
931  
932  
933  
934  
935  
936  
937  
938  
939  
939  
940  
941  
942  
943  
944  
945  
946  
947  
948  
949  
949  
950  
951  
952  
953  
954  
955  
956  
957  
958  
959  
959  
960  
961  
962  
963  
964  
965  
966  
967  
968  
969  
969  
970  
971  
972  
973  
974  
975  
976  
977  
978  
979  
979  
980  
981  
982  
983  
984  
985  
986  
987  
988  
989  
989  
990  
991  
992  
993  
994  
995  
996  
997  
998  
999  
1000

O. H. M. S.

*W. J. Gerald*  
Deputy Minister

---

LABORATORY

OF THE

INLAND REVENUE DEPARTMENT  
OTTAWA, CANADA.

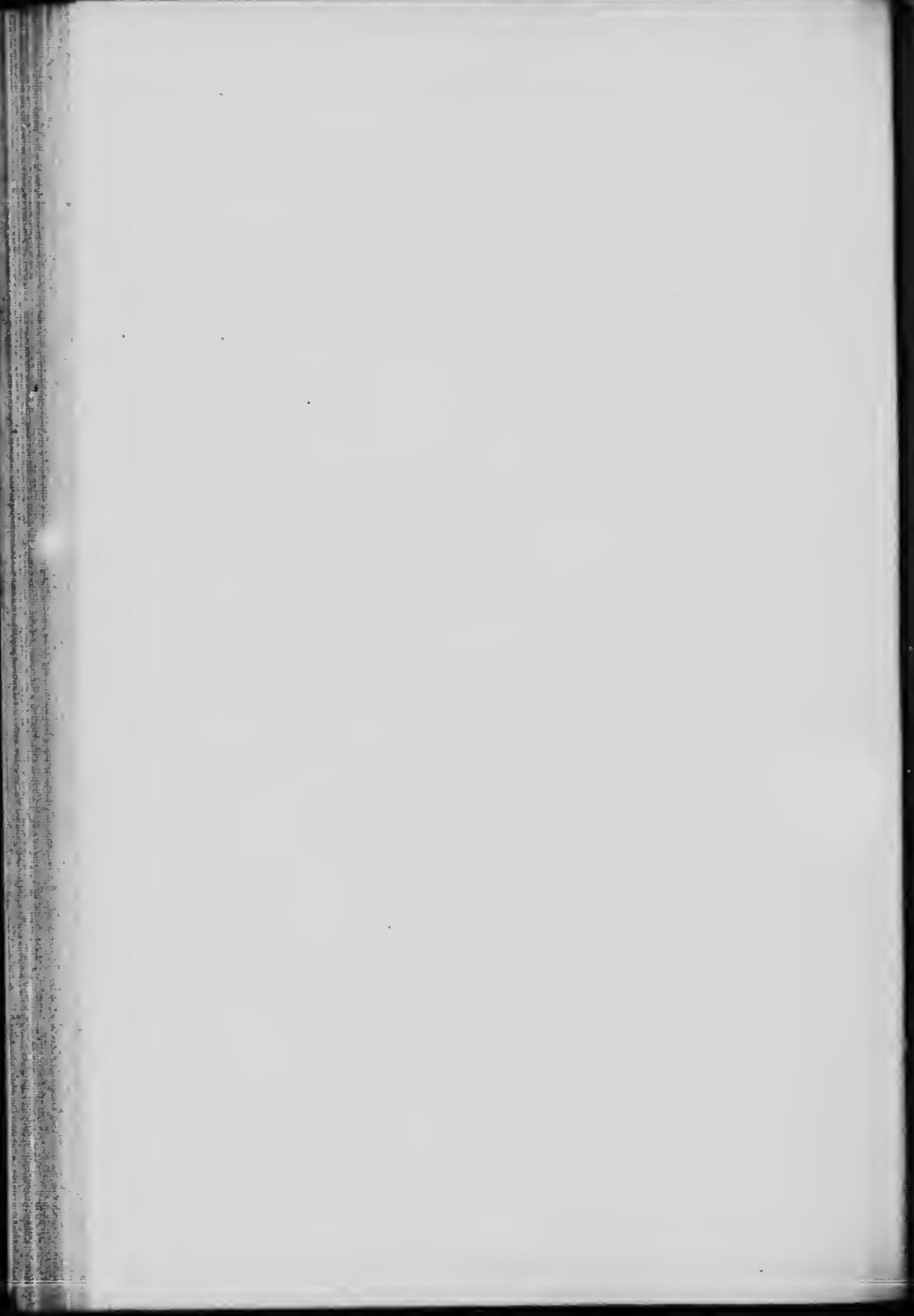
---

BULLETIN No. 183

---

TEA.

---



LABORATORY  
OF THE  
INLAND REVENUE DEPARTMENT  
OTTAWA, CANADA.

BULLETIN No. 183.

TEA.

OTTAWA, July 6, 1909.

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

SIR.—I have the honour to submit to you, herewith, a report upon 222 samples of Teas, collected throughout Canada, in April of the present year.

Tea has been examined on three former occasions, under the Adulteration of Food Act. In April 1891, a collection of 58 samples was made, and submitted for analysis to the late Professor Kenrick of Winnipeg. His report will be found in Bulletin No. 24 published in June, 1891. None of the samples were declared to be adulterated, although about 6 per cent are classified as "doubtful." Professor Kenrick's report is valuable mainly on account of certain investigatory work contained in it. Thus, he has demonstrated that the so-called *domestic method* of infusing tea, while less fully removing the total soluble matters than is the case with ordinary laboratory methods, yields fairly constant and comparable results, if carried out according to a definite *modus*; and extracts the Theine with much greater relative completeness than the Tannin, a matter which is of importance in the household. The following figures are instructive and important:—

	LABORATORY METHODS OF EXTRACTION.				DOMESTIC METHOD OF EXTRACTION (KENRICK.)			
	No. of samples.	Total Extractive.	Theine.	Tannin.	No. of samples.	Total Extractive.	Theine.	Tannin.
Black teas (averages).	44	31.89	2.47	13.33	23	23.56	2.73	5.29
Green teas (averages)	19	39.92	2.14	19.47	7	31.39	2.46	9.49

NOTE.—The results given under Laboratory Methods are quoted from Hassall, Battershall, Bell, Dragendorff and others.

A second examination was made in 1904, when 73 samples collected throughout Canada, were found to be genuine teas. This report forms Bulletin No. 99.

A third collection was made in August, 1907, comprising 89 samples, of which 82 were pronounced genuine and 7 samples "doubtful." (See Bulletin No. 130).

The late Chief Analyst was guided in his decisions regarding tea, by the following Order in Council, of date September 11, 1894.

"Tea shall be considered as adulterated which contains leaves other than those of the tea-plant; or previously infused leaves or leaves of inferior quality to such an extent as to reduce the amount of extract or substances soluble in hot water to less than thirty per cent, or cause the proportion of ash soluble in hot water to be less than two and three-quarters per cent; or any admixture of chemicals or other deleterious substances, or such an amount of mineral matter as will cause the amount of ash to exceed eight per cent reckoned on the sample dried at 100° C."

The Order in Council fixes 30 per cent as a minimum of extractive matter, without however defining a method by which the extract shall be made. It is seen from Professor Kenrick's figures, that the so-called *domestic method*, does not extract 30 per cent of soluble matter in black teas, and it follows that this method cannot be regarded as authoritative under present regulations. For this reason it has not been adopted in the performance of the work now recorded. The extract has been determined by the following process.

To 5 grammes of the sample, ground to a tolerable degree of fineness, 200 cc. of water is added, and boiled on a sand-bath, in a glass flask, for two hours. It is then thrown on a filter, and the residue washed 3 times with warm water. The filtrate and washings, are made up to a definite volume and an aliquot portion is evaporated to dryness, at 100° C.

Working by this method, it will be seen that 157 samples (= 71 per cent. of the collection) yielded 30 per cent of extractive. If a reasonable margin of error (1 per cent.) be allowed, the number reaching the standard is 172 (78 per cent). Of 50 samples which fail to reach the standard of extractive, 31 are black teas, and 19 green teas. It has already been pointed out that the mean extractive matter in green tea is normally higher than in black.

It is impossible to describe the fifty samples falling below 30 per cent extractive, as adulterated under the Act, because the Order in Council of September 11, 1894, does not describe the method by which the extractive is to be determined. It is well known that if the boiling of vegetable matter be long continued, although readily soluble substances are dissolved in an hour, or less, the more difficult soluble material continues to go into solution for several hours, and a greatly prolonged boiling may bring about decomposition products which are more or less soluble, so that a definite end point is difficult to reach. It is evidently not the intention of this test, as applied to tea, that the boiling should be continued to the point of decomposition of tissues; but the mode of operating should be exactly defined.

In order to demonstrate the importance of this point, four samples which gave distinctly less than 30 per cent extractive by the method already described, were subjected to more vigorous extraction, and gave the following results:—

Number of Sample.	Extractive as per Tables.	Extraction continued.	Mean.	Difference.
37600	23.52	{ 34.84 34.66 }	34.74	11.22
36872	23.68	{ 26.72 25.36 }	26.04	2.36
40017	22.56	{ 33.00 31.00 }	32.00	9.44
29903	21.72	{ 25.20 25.40 }	25.30	3.58

These very large differences suffice to show the necessity of exactly defining the method by which extractive is to be determined.

Two samples, both invoiced as *Tea Dust* exceed the limit of 8 per cent of ash. It is open to question whether the article sold as *Tea Dust* should be regarded as a com-

mercial tea, for purposes of the Act. These samples are sold at 12 cents per pound, retail; and this fact, together with the acknowledgment that they are *Tea Dust*, leads me to question whether they should be held to be adulterated under the Act.

SUMMARY OF RESULTS.

	Samples.
Total number of Teas examined .....	222
" " Black Teas .....	160
" " Green "	54
" " Mixed "	8
Below Standard { Black Teas .....	31
in Extractive } Green "	19
Yielding more than 8 per cent ash.....	2

Previous inspections of tea have included all grades of the article. On this occasion special instructions were given to inspectors to purchase the cheapest grades only. With very few exceptions, the teas herein reported are retailed at from 15 to 30 cents per pound. They may therefore be regarded as representing the lower qualities of this article. Most samples consist of large, coarse leaves, very much broken, and have a large proportion of leaf-stalks and bits of stem. The delicate aroma of good tea is notably absent, on infusing; but the teas are botanically true to name, and no admixture of foreign leaves occurs.

The results of this examination as submitted, will enable action to be taken with a view to defining methods of analysis; and particularly emphasize the necessity of altering the Order in Council of September 11, 1894, so as to include in it a description of the mode of making the extract of tea therein referred to.

It is also desirable to ascertain whether an article sold as *Tea Dust*, is to be regarded as *Tea* for purposes of the Act.

I beg to recommend publication of this report as Bulletin No. 183.

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

A. MCGILL,  
*Chief Analyst.*

BULLETIN No. 193—TEA.

Date of Collection.	Nature of Sample.	Number of Sample.	Name and Address of Vendor.	Cost. Quantity in Gross Cent.	Name and Address of Manufacturer or Furnisher as given by the Vendor.	Inspector's Report. (Is not an expression of Opinion).	Results of Analysis.			Remarks and Opinion of the Chief Analyst.
							Per cent. Tannin	Per cent. Tannic Acid	Microscopical Examination.	
1909.	April 14 Tea, Black..	33911	Wm. Moore, Halifax, N.S.	20	Bryant & McDonald, Halifax, N.S.	.....	5.40	34.50	Broken tea leaves and some pieces of stems.	33911
" 14 "	Wentelli, Ltd., Halifax, N.S.	33912	20	Vendors.....	.....	5.24	32.90	Broken tea leaves .....	33912	
" 14 "	Craig & Hodgen, Halifax, N.S.	33913	25	J. E. Morse & Co., Halifax, N.S.	.....	5.80	29.68	Broken tea leaves and a few pieces of stems	33913	
" 15 "	J. D. Stewart, Halifax, N.S.	33914	25	Build Bros. & Co., Halifax, N.S.	.....	6.10	30.80	Broken tea leaves .....	33914	
" 15 "	Jas. Hogan, Halifax, N.S.	33915	25	Jno. Tobin & Co., Halifax, N.S.	.....	5.34	31.75	" .....	33915	
" 15 "	A. L. Doyle & Co., N.S.	33916	25	J. E. Morse & Co., Halifax, N.S.	.....	6.54	34.84	" .....	33916	
" 15 "	Forrestall & Co., Halifax, N.S.	33917	30	Build Bros. & Co., Halifax, N.S.	.....	5.50	35.20	" .....	33917	
" 15 "	T. J. Brown, Halifax, N.S.	33918	30	H. W. Deforest, St. John, N.B.	.....	5.48	32.64	Broken tea leaves and some pieces of stems.	33918	
" 15 "	A. J. Finley, Halifax, N.S.	33919	30	Unknown.....	.....	5.30	36.44	Broken tea leaves .....	33919	
" 15 "	City Provision Co., Halifax, N.S.	33920	30	A. Hobrecker, Halifax, N.S.	.....	5.14	33.92	Broken tea leaves and some pieces of stems.	33920	
" 15 "	J. S. Archbold & Son, Halifax, N.S.	33921	30	Unknown.....	.....	5.10	29.40	Broken tea leaves .....	33921	
" 16 "	Shore & Campbell, Halifax, N.S.	33922	25	Bryant & McDonald, Ceylon, N.S.	.....	5.60	34.28	" .....	33922	
" 16 "	A. Clarke & Co., Halifax, N.S.	33923	25	J. E. Morse & Co., "Monarch," Halifax, N.S.	.....	5.30	33.64	" .....	33923	
" 23 "	E. M. Walker, Dartmouth, N.S.	33924	30	Unknown.....	.....	5.56	38.00	Broken tea leaves and a few pieces of stems	33924	
" 23 "	A. W. Hurtubise, Dartmouth, N.S.	33925	30	Build Bros. & Co., "Acadia," Halifax, N.S.	.....	5.40	32.76	Broken tea leaves .....	33925	

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

DISTRICT OF PRINCE EDWARD ISLAND—THEO. MOORE, INSPECTOR.

April 7	Tea, Black..	31458 R. T. Holman, 1 lb... Summeride, W.Y. Lidder, 1 lb... meride.	25 T. H. Estabrooks, St. "Reliance" blend John, N.B. Rowley & Davies, Lon- don, Eng.	5.60 33.24 Broken tea leaves..... 5.50 38.06 "..... 5.64 33.12 "	31458 31459 31460
" 7	" ..	31459 F. W. Strong, Summer-side.	25 Burbridge, Pritchard & "Crown" blend Bartlett, London, Eng.	5.54 36.12 Broken tea leaves and a few pieces of stems 5.54 38.32 Broken tea leaves.....	31461 31462
" 7	" ..	31461 Bruce & McKay, Sum- meride.	25 Rowley & Davies, Lon- don, Eng.	5.54 38.32 Broken tea leaves and a few pieces of stems 5.40 22.12 Broken tea leaves and a few pieces of stems 5.40 32 Broken tea leaves.....	31463 31464
" 7	" ..	31462 Sinclair & Stewart, 1 lb... Summeride, Kenang-ton.	25 J. E. Morse & Co., Halifax, N.S.	5.54 38.32 Broken tea leaves and a few pieces of stems 5.40 22.12 Broken tea leaves and a few pieces of stems 5.40 32 Broken tea leaves.....	31465
" 8	" ..	31463 J. A. Hynes, Kenang-ton.	25 T. H. Estabrooks, St. John, N.B.	5.54 38.32 Broken tea leaves and a few pieces of stems 5.40 22.12 Broken tea leaves and a few pieces of stems 5.40 32 Broken tea leaves.....	31466
" 8	" ..	31464 James Kennedy, Ken- sington.	25 W. Belford, St. John, N.B.	5.54 38.32 Broken tea leaves and a few pieces of stems 5.40 22.12 Broken tea leaves and a few pieces of stems 5.40 32 Broken tea leaves.....	31467
" 12	" ..	31465 A. E. McKinnon, 1 lb... Mount Stewart.	25 Carell Bros., Charlottetown.	5.54 34.40 Broken tea leaves.....	31468
" 12	" ..	31466 W. H. Pigott, Mountl- Stewart.	25 T. H. Estabrooks, St.	5.54 34.20 "	31469
" 12	" ..	31467 Clark Bros., Mountl- Stewart.	25 John, W. D. Strood, Mon- treal.	5.50 33.12 "	31470
" 12	" ..	31468 P. W. McLeod, Mountl- Stewart.	25 H. W. De Forrest, St. "Champion" John, N.B.	5.60 30.66 Broken tea leaves and some pieces of stems 5.44 28.72 Broken tea leaves.....	31468 31469
" 12	" ..	31469 A. A. McDonald Bros., Georgetown.	25 A. A. McDonald Bros., Georgetown.	5.48 35.90 Broken tea leaves and a few pieces stems.	31470
" 12	" ..	31470 W. W. Jenkins, George- town.	25 McGoughan & Co., Glenburn.	5.48 35.90 Broken tea leaves and a few pieces stems.	31471
" 12	" ..	31471 Stewart & Son, Charlottetown.	25 Bryant & McDonald, "Famous" Blend, Halifax.	5.4 " .." ..	31472
" 12	" ..	31472 George Reckham, Charlottetown.	25 H. Hassard, Charlotte- town.	5.4 " .." ..	

DISTRICT OF NEW BRUNSWICK—J. C. FERGUSON, INSPECTOR.

Mar. 22	Tea, Black..	29892 Barkers Ltd., St. 1 lb... John, N.B.	30 J. Harvey Brown, St. "Peerless" .. John, N.B.	5.64 32.92 Broken tea leaves..... 4.90 26.48 "	29892 29893
" 22	" ..	29893 H. W. Dykeen, St. 1 lb... John, N.B.	33 P. C. Leckin & Co., "Salada" .. Montreal.	5.08 32.60 "	29894
" 23	" ..	29894 G. H. Stephenson, St. 1 lb... John, N.B.	30 T. H. Estabrooks & Co., "Red Rose" .. Ltd., St. John, N.B.	5.50 32.12 Broken tea leaves and a few pieces of stems 5.50 32.32 Broken tea leaves and some pieces of stems.	29895 29896
" 23	" ..	29895 D. Conran, St. John, 1 lb... John, N.B.	30 Baird & Peters, St. John, N.B.	5.50 32.32 Broken tea leaves and some pieces of stems.	29896
" 24	" ..	29896 James Collins, St. 1 lb... John, N.B.	35 Vendor ..		

BULLETIN No. 183—TEA.

Date of Collection.	No. of Sample.	Nature of Sample.	Name and Address of Vendor.	Cost.	Name and Address of Manufacturer or Furnisher as given by the Vendor.	Inspector's Report. (Is not an expression of Opinion.)	RESULTS OF ANALYSIS.			No. of Samples.	Remarks and Opinion of the Chief Analyst.
							Extrac-	Microscopical Examination.	P. C.		
Apr. 21	Tea, Black.	29887	T. W. Sancom, Fredericton, N.B.	30	Chas. H. McDonald, "Red Clover" ... St. John, N.B.	5·54	25·68	Broken tea leaves	5·54	29887	Extractive low.
" 21	"	29888	Estate of John Graham, Woodstock, N.B.	40	W. C. Purves, St. Stephen, N.B.	5·48	33·52	"	5·48	29888	
" 21	"	29889	B. Beveridge, Andover, I.N.B.	35	Harry W. DeForest, St. John, N.B.	5·50	30·08	Broken tea leaves and some pieces of stems.	5·50	29889	
" 21	"	29890	J. W. McPhail, Perth, I.N.B.	35	W. C. Purves, St. Stephen, N.B.	5·28	32·24	"	5·28	29890	
" 14	"	29901	N. W. Eveleigh & Co., Sussex, N.B.	25	Chas. H. McDonald, "Eveleigh's Special" ... St. John, N.B.	5·50	33·72	"	5·50	29901	
" 10	"	29902	C. W. Lewis, Perth, I.N.B.	30	W. D. Stroud, Montreal.	5·94	34·32	Broken tea leaves	5·94	29902	
" 14	"	29903	Alex. J. Roy, Moncton, N.B.	25	Geo. E. Barbour Co. Ltd., St. John, N.B.	4·68	21·72	"	4·68	29903	Extractive low.
" 16	"	29904	J. D. Paulin, Newcaste, N.B.	30	Bryan & McDonald, "Paulin's Best" ... Halifax, N.S.	5·40	34·64	Broken tea leaves and some pieces of stems.	5·40	29904	
" 17	"	29905	Adams Burns & Co., Bathurst, N.B.	25	Chas. H. McDonald, St. John, N.B.	5·86	24·56	Broken tea leaves and some stems.	5·86	29905	Extractive low.
" 19	"	29906	Moores Bros., Campbellton, N.B.	30	W. F. Hathaway Co., Ltd., St. John, N.B.	5·44	26·84	Broken tea leaves	5·44	29906	"

DISTRICT OF NEW BRUNSWICK—J. C. FERGUSON—Concluded.

Apr. 21	Tea, Black.	36868	T. Falardeau, Quebec.	1 lb.	13 T. B. Bedard & frere, Quebec						Ash too high.
					Extrac-	Microscopical Examination.	P. C.				
" 21	Mixed.	36869	C. T. Bailey, Quebec.	1 "	12 Stroud, Montreal	9·74	32·60	Tea dust	9·74	36869	
" 21	Green.	36870	F. X. Gélin, Quebec.	1 "	20 Lavoie & Dion, Quebec	6·10	31·48	Broken tea leaves	6·10	36870	

DISTRICT OF QUEBEC—E. BELAND, INSPECTOR.

"	"	36871 Louis Nadeau, Quebec	1 "	25	Unknown.....	.....	.....	5 28	31 76	"	"	.....	36871
"	22	Black	A. Pouliot, Quebec	1 "	20	Lavoie & Latulippe, Quebec.	.....	6 90	23 68	Broken tea leaves and some pieces of stems.	.....	36872	Extractive low.
"	22	Green	Emile Enjond	1 "	20	Stroud, Montreal	.....	6 54	28 12	Broken tea leaves.....	.....	36873	"
"	22	Black	L. A. Warren, Quebec	1 "	20	A. Gigeure, Quebec.	.....	5 44	23 56	"	.....	36874	"
"	22	Green	Denis Davis, Quebec	1 "	40	Unknown.....	.....	6 30	32 36	"	.....	36875	
"	22	Black	A. Turcotte, Quebec	1 "	20	Drouin Frere, Quebec.	.....	5 48	32 32	"	.....	36876	
"	22	Green	A. Brodeur, Quebec	1 "	30	Unknown.....	.....	6 34	24 72	"	.....	36877	Extractive low.
"	22	"	T. E. Gregoire, Quebec	1 "	12	Lavoie & Dion, Quebec	.....	9 24	26 00	Tea dust. ....	.....	36878	Extractive low; ash too high.
"	22	"	T. L. Letourneau, Quebec	1 "	15	Joseph & Son, Quebec	.....	6 04	36 56	"	.....	36879	
"	22	"	C. Belanger, Quebec	1 "	15	Unknown.....	.....	7 54	25 08	Broken tea leaves.....	.....	36880	Extractive low.
"	22	Black	M. W. Colman	1 "	25	"	.....	5 34	35 04	Broken tea leaves and a few pieces of stems.	.....	36881	
"	22	Green	H. St. Cyr, Quebec	1 "	15	Whited & Turner, Quebec.	.....	7 40	26 60	Slightly broken tea leaves.	.....	36882	Extractive low.

DISTRICT OF ST. HYACINTHE—J. C. ROULEAU, INSPECTOR.

April 19	Tea, Green..	1001	O. F. Piche, Drum.	1 lb ..	25	Unknown.....	.....	Green, Ceylon .....	6 10	39 44	Broken tea leaves.....	.....	1001
"	20	"	P. Larochelle, Farm	1 "	40	Kearney Bros., Mont.	.....	6 14	30 40	Broken tea leaves and a few stems.	.....	1002	
"	21	"	J. Raymond, St. Jean	1 "	30	M. Brassard, St. Jean.	.....	5 36	29 04	Broken tea leaves. ....	.....	1003	
"	23	"	J. Brodeur, Granby	1 "	40	W. D. Stroud, Mont.	.....	6 80	39 08	"	.....	1004	
"	26	"	A. G. Préfontaine, 3 pks.	60	P. C. Larkin & Co., Green,	Guaran-	4 36	38 76	Broken tea leaves and and a few stems.	.....	1005		
"	28	"	Beloit.	3 "	25	Montreal.	.....	6 84	40 00	Broken tea leaves....	.....	1006	
"	29	"	W. L. Beauchemin, Roxton Falls.	3 "	15	Hudson, Hebert & Cie, Japan	.....	6 46	25 44	Minute fragments of tea leaves.	.....	1007	
"	29	"	A. Chicoine, Acton	3 "	40	Kearney Bros., Mont.	.....	6 08	36 84	Broken tea leaves.....	.....	1008	
"	28	"	vale.	"	40	Lacaille & Gendreau, Japan	.....	6 64	24 44	"	.....	1009	
"	29	"	Geo. E. Heth, Upton	1 lb ..	25	Montreal.	.....						
			T. Mahen, Arthabaska	1 "	25	H. H. Guy, Victoria, Green ville.	.....						

BULLETIN No. 183—TEA.

Date of Collection	Nature of Sample	Number of Sample	Name and Address of Vendor	Cost Quintal Cents.	Name and Address of Manufacturer or Furnisher as Given by the Vendor.	Inspector's Report. (Is not an expression of Opinion).	Results of Analysis.	Number of Sample	Remarks and Opinion of the Chief Analyst.
DISTRICT OF ST. HYACINTHE—J. C. ROULEAU, INSPECTOR—Concluded.									

1909.									
April 29	Tea, Green.	1010	U. Mahew, Victoria 1 " ville.	25	L. Chaput fils & Co., Montreal.	.....	6.20	28.50	Broken tea leaves and a few stems.
May 5	Black	1011	W. B. Murray, E. 1 " Sherbrooke.	40	Unknown ...	Black .....	4.94	35.64	Broken tea leaves .....
" 5	"	1012	Johnston Bros., Len-1 " noville.	30	"	" .....	5.54	28.76	" .....
" 6	"	1013	F. W. D. Melloow, 1 " Rock Island.	25	Lipton, England .....	" .....	6.14	28.12	" .....
" 10	Green.	1014	Louis Vain, St. Joseph 1 " de St. Hy'a.	30	Kearney Bros., Mon-treal.	Japan .....	6.70	32.00	Broken tea leaves and a few stems.
" 18	"	1015	C. Danseveau, Contre-1 " couer.	30	Lacaille & Gendreau, Montreal.	" .....	5.70	37.52	" .....
									1015

DISTRICT OF MONTREAL—J. J. COSTIGAN, INSPECTOR.

April 13	Tea, Green.	40011	A. Laurandau, 86 St. 1 lb .. Paul St., Montreal.	20	.....	.....	6.66	26.08	Broken tea leaves .....
" 13	Black.	40012	"	1 "	25	.....	5.12	27.64	Broken tea leaves and pieces of stems.
" 14	"	40013	S. Desaulniers, 437 1 " Notre Dame W.	20	.....	.....	5.54	25.16	" .....
" 14	"	40014	"	1 "	25	.....	5.14	27.72	" .....
" 14	"	40015	C. T. Spinello, 502 1 "	35	.....	.....	5.74	34.08	Broken tea leaves .....
" 14	Green.	40016	N. Sirio, 32 Craig St., 1 " Montreal.	25	J. A. Simard, Montreal.	Japan .....	7.10	30.52	Broken tea leaves and pieces of stems.
" 14	Black.	40017	J. Duffy & Co., 1 " Montreal.	30	.....	Black, Special Blend.	5.40	22.36	" .....

26	"	Green.	40018	F. Rivet, Joliette....	1 " ..	30	.....	Japan .....	5·90	37·40	"	"	40018
26	"	Black.	40019	O. Chevalier & fils., Joliette.	1 " ..	35	.....	Black .....	5·30	36·68	Broken tea leaves .....	"	40019
28	"	"	40020	E. Lavigne, Lachute, 1 "	30	.....	" ..	" ..	5·24	32·08	"	"	40020
28	"	"	40021	G. L. Meikle, Lachute, 1 "	25	.....	Green .....	6·54	41·72	Broken tea leaves and pieces of stems.	"	40021	
"	"	"	40022	C. E. Lafamme, St. Jerome,	25	.....	Japan .....	6·20	27·56	Broken tea leaves .....	"	40022	
"	"	"	40023	J. M. Richard, St. Jerome.	30	.....	Black .....	5·30	31·98	Broken tea leaves and a few pieces of stems.	"	40023	
12	"	Black.	40024	E. Brais, Montreal	1 " ..	30	.....	Japan .....	6·74	30·84	Broken tea leaves .....	"	40024
12	"	"	40025	A. Genereau, Montreal	1 "	25	.....	" ..	7·14	35·09	"	"	40025

**DISTRICT OF OTTAWA—J. A. RICKY, INSPECTOR.**

Mar.	16	Tea, Green.	22911	M. J. Lavigne, Hull, 1 lb.	15	Unknown . . . . .	7-14	27 56 Broken tea leaves . . . . .	22911	Extractive low.			
		P. Q.		"	"	" . . . . .	7-00	28 88 "	22912	"			
"	16	"	22912	D. Seguin, Hull, P.Q.	1 "	20	" . . . . .	5-00	28 96 Broken tea leaves and pieces of stem.	22913	"		
"	19	"	Black.	22913	R. J. Cameron, Buck-	1 "	25	J. A. Cunningham, "Owl Chop" . . . . .	6-30	28 16 Broken tea leaves . . . . .	22914	"	
"	19	"	Green.	22914	McCallum & Lahais,	1 "	20	Buckingham, F. W. Allan, Bucking-	5-00	33 52 Broken tea leaves and pieces of stem.	22515	"	
"	22	"	Black.	22915	W. A. Hodgins, Shaw-	1 "	30	ham. Mathewson S. o. s., Montreal.	4-62	30 52 Broken tea leaves . . . . .	22916	"	
"	23	"	Green.	22916	G. A. Ellis, Renfrew.	1 "	25	Tlos Woods, Montreal	6-34	31 60 "	22917	"	
"	23	"	"	22917	Carswell & Co., Ren-	1 "	25	Geo. Robertson & Son, Kingston.	5-96	32 72 Broken tea leaves and pieces of stem.	22918	"	
"	23	"	Black.	22918	J. L. Lafontaine,	1 "	40	Canada Direct, Tea Trading Co.	7-30	28 32 Broken tea leaves . . . . .	22919	Extractive low.	
"	24	"	Green.	22919	D. St. Amour, Ottawa	1 "	25	S. J. Major, Ltd., Ottawa.	5-40	32 28 "	22920	"	
"	24	"	"	Black.	22920	J. E. Duhaime, Ottawa	1 "	25	F. J. Castle Co., Ottawa . . . . .	5-04	34 76 "	22921	"
"	26	"	Green.	22921	F. Seilingh, Ottawa	1 "	25	Jos. Grant, Ottawa . . . . .	5-54	33 20 Broken tea leaves and pieces of stem.	22922	"	
"	26	"	Black.	22922	Jas. Herbert, Ottawa	1 "	25	Kearney Bros., Mont-	7-08	25 52 "	22923	Extractive low.	
"	26	"	Green.	22923	M. J. Lavendure, Hull	1 "	25	real.	5-04	31 84 Broken tea leaves . . . . .	22924	"	
"	26	"	Black.	22924	A. Gagnon, Hull	1 "	25	Unknown . . . . .	5-54	33 06 Broken tea leaves and a few pieces of stems	22925	"	
"	27	"	"	22925	W. H. Dickson, Qyon,	1 "	25	W. D. Stroud, Montreal P.Q.					

BULLETIN No. 183—TEA.

12

Date of Collection.	Number of Sample.	Nature of Sample.	Name and Address of Vendor.	Cost.	Name and Address of Manufacturer or Furnisher as given by Vendor.	Inspector's Report. (Is not an expression of Opinion).	Results of Analysis.			Number of Sample.	Remark and Opinio n of the Chief Analyst.
							P.	C.	P.		
DISTRICT OF KINGSTON—JAS. HOGAN, INSPECTOR.											
1909.											
Mar. 17	Tea, Green..	39441	Gres. Gibson, Kingston	1 lb ..	39 Minto Bros., Toronto ..		5.74	33.12	Broken tea leaves and pieces of stem.	39441	
"	Mixed.	39442	Wm. Davies, Kingston	1 "	30 Wm. Davies ..		4.96	32.60	Broken tea leaves .....	39442	
"	Black.	39443	W. D. Strand, King-	1 "	20 W. D. Strand, Montreal ..		5.34	31.84	Broken tea leaves and pieces of stem.	39443	
"	"	39444	ston. P. A. Haffner,	King- 1 "	30 Geo. Robertson & Son, Kingston.		5.34	38.36	"	39444	
"	"	39445	Jas. McChilla,	King- 1 "	20 Kurney Bros., Mon- real.		6.96	28.64	Broken tea leaves .....	39445	Extractive low.
"	"	39446	J. Lennon, Kingston.	1 "	2* W. G. Craig, Kingston ..		5.28	33.72	"	39446	
"	"	39447	J. A. Donaldson, 1 "	25	"		5.60	31.30	"	39447	
"	"	39448	A. T. Morris, Kingston	1 lb ..	26 Geo. Robertson, King- ston.		5.24	30.80	Broken tea leaves .....	39448	
"	"	39449	H. M. Stover, Kingston	1 "	40	"	5.20	32.32	Broken tea leaves and pieces of stem.	39449	
"	"	39450	C. Litton, Kingston ..	1 "	26 Minto Bros., Toronto ..		6.20	33.06	Broken tea leaves .....	39450	
"	"	39451	J. Harker, Belleville.	1 "	25 Unknown .....		5.40	32.00	"	39451	
"	"	39452	Guillet Bros., Cobourg	1 "	26 Hayhoe Co., Toronto ..		5.50	29.24	Broken tea leaves and pieces of stem.	39452	
"	"	39453	J. E. Lillie, Peterboro	1 "	26 Perkins & Ince Co., Peterboro.		5.16	32.01	Broken tea leaves .....	39453	
"	"	39454	W. J. Roulty, Peter- boro.	1 "	30 Ballou & McLain, Hamilton.		5.02	35.48	"	39454	
"	"	39455	R. A. Dutton, Peter- boro.	1 "	25 Wran Bros., Toronto ..		5.90	37.84	Broken tea leaves and pieces of stem.	39455	

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

April 5	Tea, Black..	36202	John Young, Hamilton	1 lb ..	25	Balfour S'-ye & Co., Hamilton.	.....	.....	5·38 <sup>1</sup>	34·40	Broken tea leaves and a few pieces of stem.	36202
" 6.	Green.	36203	G. H. Williams, Hamil-ton.	1 " ..	30	W. H. Gillard & Co., Hamilton.	.....	.....	5·94	28·76	Broken tea leaves.....	36203 Extractive low
" 5.	Black..	36204	J. W. Jones, Hamilton	1 " ..	25	Lansden Bros., Hamil-ton.	.....	.....	5·38	29·48	"	36204
" 8.	Green.	36205	John Bond & Co., Au-tora.	1 " ..	25	Kearney Bros., Mon-treal.	.....	.....	6·20	26·48	"	36205 Extractive low
" 8.	Black..	36206	F. H. Presser, Ne-a-1 market	1 " ..	25	Canada Briskege Co., Toronto.	.....	.....	5·10	29·88	Broken tea leaves and some stems.	36206
" 12.	"	36207	M. J. Douglas, Brad-ford.	1 "	25	Blue Ribbon Tea Co., "Blue Ribbon"	Toronto.	.....	5·48	35·44	Broken tea leaves.....	36207
" 13.	Green.	36208	John Cushing, Barrie	1 " ..	25	R. B. Hayhoe & Co., Toronto.	.....	.....	6·74	29·44	"	36208
" 13.	Black..	36209	J. M. Bothwell, Allen	1 " ..	25	Vendor.	.....	.....	5·38	33·36	Broken tea leaves and pieces of stem.	36209
" 14.	"	36210	Wm. McMakin, Allis	1 " ..	30	Minto Bros., Toronto. "Melagama"	.....	.....	5·56	33·64	"	36210
" 14.	"	36211	J. J. Mc Knight, Totten-ham.	1 " ..	30	John Sloan & Co., To-ronto.	"Nakida" .....	.....	5·48	40·00	Broken tea leaves.....	36211
" 16.	Green.	36212	Oliver McKay, George-town.	1 " ..	30	Minto Bros., Toronto. "Melagama"	.....	.....	5·30	41·68	"	36212
" 17.	Black..	36213	J. S. Bond, Toronto	2 Pkgs	30	T. H. Esterbrook, To-ronto.	"Red Rose" ..	.....	5·04	33·24	"	36213
" 17.	"	36214	A. Browne, Toronto	1 lb ..	30	I. Lansden Co., To-ronto.	.....	.....	5·44	37·94	"	36214
" 17.	"	36215	A. E. Proctor, Toronto	2 Pkgs	40	H. P. Eckardt & Co., "Lindella" .....	.....	.....	5·60	38·32	Broken tea leaves and some stems.	36215
" 17.	Green.	Thornton, Toronic	1 lb ..	25	James Lambers Co., Ltd., Toronto.	.....	.....	5·74	40·04	Broken tea leaves.....	36216	

DISTRICT OF LONDON—T. C. KIDD, INSPECTOR.

Mar. 26	Tea, Mixed.	36207	White Packing Co., Stratford.	1½ lb ..	45	T. H. Esterbrook, St. John's, Newfoundland	" Red Rose" ..	.....	5·20	32·56	Broken tea leaves.....	36207
" 29.	Black.	36202	T. S. Blees, Seaforth.	1½ "	45	H. Howey, Stratford.	"	.....	5·12	30·32	"	36202
" 31.	Mixed.	36213	Joseph Linder, Goderich.	1½ "	60	McEwin Bros., Goderich.	" Blue Ribbon".	.....	5·30	31·64	"	36214
" 31.	Black.	36115	Mrs. J. Carroll, Montreal.	1½ "	60	Blue Ribbon Tea Co., Montreal.	"	.....	5·80	31·32	Broken tea leaves and pieces of stem.	36215
" 1.	Mixed.	36216	Poplestone & Gardner, Blyth.	1½ "	39	"	"	.....	5·58	29·16	Broken tea leaves.....	36216
" 1.	Black.	36118	G. M. Chambers, Blyth.	1 "	40	W. H. Gillard, Hamil-ton.	" Aroma" Black	.....	5·14	28·76	"	36118 Extractive low

## BULLETIN No. 183—TEA.

Date of Collection.	Nature of Sample.	No. of Sample.	Name and Address of Vendor.	Cost.	Quantity.	Cents.	Inspector's Report. (Is not an expression of Opinion.)	RESULTS OF ANALYSIS.			Remarks and Opinion of the Chief Analyst.
								Total Ash	Extractive	Microscopical Examination.	
DISTRICT OF LONDON—T. C. KIDD, INSPECTOR—Concluded.											
1903.											
April 1	Tea, Black.	30621	Elman Moore, Wing 1½ "	45	Salada Tea Co., Toronto.	To "Salada" . . . . .	6·36	29·20	Broken tea leaves and pieces of stem.	30621	
" 2	" "	30623	Kerr & Birds, Wing 1½ "	45	Unknown . . . . .	" Lippons" . . . . .	5·40	26·24	Broken tea leaves . . . . .	30623	Extractive low.
" 2	Green.	30625	A. J. Malcolm, Wing 1½ "	25	Blue Ribbon Tea Co., Toronto.	" Blue Ribbon" . . . . .	5·70	27·20	" . . . . .	30625	Extractive low.
" 2	Mixed.	30626	Waller Bros . . . . .	1½ "	60	H. P. Eckert & Co., "Ceylon" . . . . .	5·84	32·40	Broken tea leaves and pieces of stem.	30626	
" 2	Black.	30627	N. Krotz, Listowel . . . . .	2 "	25	T. B. Escott & Co., "Grand Mogul" . . . . .	6·50	26·28	Broken tea leaves . . . . .	30627	Extractive low.
Mar. 26	" Mixed.	30629	McCulley & Haugh, 1½ "	45	McIlharry, Stratford.	Stratford. . . . .	5·30	31·04	" . . . . .	30629	
DISTRICT OF WINDSOR—JOHN TALBOT, INSPECTOR											
April 5	Tea, Black.	34755	T. A. Rowat, London.	1 lb . . .	25	Elliott & Mar, London	5·48	31·08	Broken tea leaves and a few pieces of stem.	34755	
" 5	Green.	34756	John Dijrose, London	1 "	30	" . . . . .	5·54	34·60	Broken tea leaves . . . . .	34756	
" 5	" Black.	34758	N. McLeod, London	1 "	25	Balfour & Co., Hamilton.	5·56	33·84	" . . . . .	34758	
" 5	Green.	34759	Kidner & Co., London	1 "	25	Ed. Adams & Co., London.	7·04	31·60	" . . . . .	34759	
" 5	" Black.	34760	F. G. Willis, London.	1 "	25	Estabrooks, Toronto.	5·70	33·92	Broken tea leaves and a few pieces of stem.	34760	
" 5	"	34761	T. W. Vincent, London	1 "	30	" . . . . .	5·64	34·16	" . . . . .	34761	
" 5	Green.	34762	Mrs. Yates, London.	1 "	30	Scandrett Bros., London.	6·40	36·92	Broken tea leaves . . . . .	34762	
April 5	Black.	34764	T. McKay, . . . . .	1 lb . . .	25	Ed. Armstrong & Co., London.	5·30	29·12	Broken tea leaves . . . . .	34764	

"	5	"	34766 Rowntree & Fonger	1 "	25	Haynes, Toronto	.....	.....	5.80	30.60	"	...
"	5	"	Green.	34767 H. Glach	1 "	A. M. Smith & Co., London.	.....	6.16	32.68	Broken tea leaves and a few pieces of stems	34767	
"	5	"		34768 H. Marshall	1 "	M. Masurett & Co., London.	.....	5.84	31.04	Broken tea leaves.....	34768	
"	5	"		34769 H. Fountainaine	1 "	Unknown	.....	5.70	25.20	"	34774 Extractive ow.	
"	5	"	Black	34770 H. Harley & Son.	1 "	Balfour & McLaren, Hamilton.	.....	5.20	20.44	"	34775	
"	6	"		34775 F. Harley & Son.	1 "	"	.....	5.14	21.36	"	34777 Extractive low.	
"	6	"		34777 H. Ranahan	1 "	.....	.....	6.10	25.28	Broken tea leaves and a few pieces of stems	34778	
"	6	"	Green.	34778 Chas. Finchamp	1 "	M. Masurett & Co., London.	.....	.....	.....	.....	34778	

## DISTRICT OF MANITOBA—A. C. LARIVIÈRE, INSPECTOR.

April 19	Tea, Black		35881	H. Fenson, Winnipeg	1 lb ..	40	Salada Tea Co. ....	" Salada " ....	4.94	27.30	Broken tea leaves.....	35881 Extractive low.
"	19	"	35882	C. A. Breakwell, Winnipeg.	1 "	30	The John Marine Co., Winnipeg.	.....	5.50	33.00	"	35882
"	19	"	35883	T. R. Bourgh, Carberry	1 "	35	Unknown	.....	5.70	30.35	Broken tea leaves and a few pieces of stems	35883
"	21	"	35884	R. Beattie & Sons, Elmwood P.O., Winnipeg.	1 "	25	"	5.74	38.16	"	35884	
"	21	"	35885	B. Moffet, Winnipeg.	1 "	25	Crook, Brown & Co., Winnipeg.	.....	5.20	33.04	Broken tea leaves.....	35885
"	21	"	35886	J. Braunstein, Winnipeg.	1 "	25	The Codville Co. ....	.....	5.66	26.64	Broken tea leaves and a few pieces of stems	35886 Extractive low.
"	23	"	35887	S. J. Staples, Carmen, Man.	1 "	15	Hunt & Co., Yokohama	.....	6.76	30.20	Tea dust.	35887
"	24	"	35888	P. D. Lair, Elm Creek, Man.	1 "	35	Campbell Bros., Winnipeg.	" Royal Shield."	5.74	34.04	Broken tea leaves.....	35888
"	24	"	35889	R. H. Staples, Elm Creek, Man.	1 "	40	G. F. & J. Galt, Winnipeg.	" Blue Ribbon " Red label Tea.	5.70	33.56	"	35889
"	24	"	35890	Holiday & Simpson, Elm Creek, Man.	1 "	40	Unkn.	.....	5.60	26.20	Tea leaves and some pieces of stem.	35890 Extractive low.
"	24	"	35891	J. T. Newberry, Nipawka.	1 "	40	T. H. Estabrooks, St. John, N.B.	" Red Rose "	5.60	35.24	Broken tea leaves.....	35891
"	28	"	35892	W. R. Shaefer, Winni. 1 "	50	The Dyson Co., Winni.	" Red Cross "	6.00	37.54	Broken tea leaves and a few pieces of stems	35892	
"	28	"	35893	E. Adelma, Winnipeg	1 "	40	Unkn. own	.....	5.54	36.32	Broken tea leaves and a few pieces of stems	35893
"	28	"	35894	S. J. Deroche, Winni.	1 "	40	"	.....	5.24	36.72	Broken tea leaves and stems.	35894
"	28	"	35895	S. Katz, Winnipeg	1 "	40	The John Marrin Co., Ltd., Winnipeg.	" Challenge "	5.70	34.86	Broken tea leaves.....	35895

BULLETIN No. 183—TEA.

## DISTRICT OF CALGARY-R. W. FLETCHER, INSPECTOR

Nature of Sample.	Number of Sample	Date of Collection.	Name and Address of Vendor.	Cost.	Quantity in Grams.	RESULTS OF ANALYSIS.			Remarks and Opinion of the Chief Analyst.
						Total	Microscopical Examination.	Test	
<b>DISTRICT OF CALGARY—R. W. FLETCHER, INSPECTOR.</b>									
1909.		April 21	Tea, Black.	28959	A. Brandelli, Calgary. 1 lb ..	50	G. F. & J. Galt, Ltd., Calgary.	33.80	Broken tea leaves . . .
"	"	"	Golden West Grocery, 1 " ..	28960	I. T. Mcburn & Co., Ltd., Calgary.	50	"	24.00	" . . .
"	"	"	W. Maitland, Calgary. 1 " ..	28961	"	"	"	36.44	Broken tea leaves and pieces of stems.
"	"	"	Mrs. Palmer, Calgary. 1 " ..	28962	G. F. & J. Galt, Ltd., Calgary.	50	"	32.64	Broken tea leaves . . .
"	"	"	Hallett & Longdon, 1 " ..	28963	W. W. Moore, Ltd., Calgary.	35	"	32.64	" . . .
"	"	"	S. G. Freeze, Calgary. 1 " ..	28964	Balfe & McLaren, Hamilton.	35	"	31.76	" . . .
"	"	"	Peoples Co-operative 1 " ..	28965	Wm. Davies & Co., Ltd., Toronto.	40	"	34.32	" . . .
"	"	"	Store, Calgary. 1 " ..	28966	J. T. Macdonald, Calgary.	40	"	33.52	" . . .
"	"	"	Sten Bros., Calgary. 1½" ..	28967	Brooke, Bond & Co., London, Eng.	60	"	34.04	Broken tea leaves and pieces of stems.
"	"	"	Watson Bros., Calgary. 1 " ..	28968	Jos. Tedley & Co., Lon- don, Eng.	35	"	33.76	Broken tea leaves and some pieces of stems.
"	"	"	W. Verrier, Calgary. 1 " ..	28969	L. T. Mcburn & Co., Ltd., Calgary.	50	"	33.68	" . . .
"	"	"	McLellan & Hawkin, 1½" ..	28970	Georgeson & Co., Ltd., Calgary.	70	"	34.64	Broken tea leaves . . .
"	"	"	Premium Tea Co., 1 " ..	28971	I. T. Mcburn & Co., Ltd., Calgary.	25	"	35.28	" . . .
"	"	"	Cope & Emerson, Cal- gary. 1 " ..	28972	Unknown . . .	40	"	31.76	" . . .
"	"	"	C. J. Winn, Calgary. 1 " ..	28973	G. F. & J. Galt, Ltd., Calgary.	60	"	27.32	" . . .

## DISTRICT OF VANCOUVER—J. F. POWER, INSPECTOR.

4565	Mar. 24	Tea, Black.	37589 T. Russell, Vancouver 1 lb ..	40 Kelly, Douglass & Co., Vancouver.	5:40 30:32 Broken tea leaves.....	37589
"	" 24	"	37590 C. L. Smith, Vancouver 1 " .. ver.	35 W. H. Malkin & Co., Vancouver.	5:24 32:44 "	37590
"	" 24	"	37591 J. H. Atkins, Vancouver 1 " .. ver.	25 " ..	5:24 30:29 Broken tea leaves and some pieces of stem.	37591
"	" 24	"	37592 Pioneer Grocery, Van-1 " .. couver.	25 Unknown ..	5:70 31:00 "	37592
"	" 24	"	37593 Glencoe Grocery, Van-1 " .. couver.	30 Vancouver Tea Co., Vancouver.	5:40 33:82 "	37593
"	" 24	"	37594 H. A. Edgett & Co., Van-1 " .. couver.	25 W. H. Malkin & Co., Vancouver.	5:70 32:48 Broken tea leaves.	37594
"	" 24	"	37595 Geo. Wagg, Vancouver 1 " .. couver.	30 Wm. Braid & Co., Vancouver.	5:32 32:64 "	37595
Mar. 24	"	"	37596 McCulloch Bros., Van-1 lb .. couver.	40 Galt Bros., Vancouver.	5:34 29:00 Broken tea leaves.	37596
"	" 24	"	37597 S. Coranson, Van-1 " .. couver.	35 Unknown ..	4:80 35:28 "	37597
"	" 24	"	37598 Duke's Grocery, Van-1 " .. couver.	35 Wm. Braid & Co., Van- "Dukes Special" couver.	5:50 32:68 Broken tea leaves and some pieces of stem.	37598
"	" 24	"	37599 Gen. Grocery, Van-1 " .. couver.	40 Ridgeways Ltd., ..	5:26 31:12 Broken tea leaves.	37599
"	" 25	"	37600 J. A. McMillan, North 1 " .. Vancouver.	40 Balfour McLaren, Victoria.	5:66 23:52 Broken tea leaves and pieces of stem.	37600 Extractive low.
"	" 25	"	37601 A. R. Steacy, Van-1 " .. couver.	40 E. W. Lesson & Co., Vancouver.	5:48 28:08 Broken tea leaves and some pieces of stem.	37601
"	" 27	"	37602 London Grocery, Van-1 " .. couver.	25 J. W. Berry, Vancouver.	5:46 29:44 Broken tea leaves and pieces of stem.	37602
"	" 27	"	37603 A. C. Grocery, Van-1 " .. couver.	25 Young Brow., Vancouver.	5:54 26:00 Broken tea leaves and some pieces of stem.	37603 Extractive low.

## DISTRICT OF VICTORIA—D. OSULLIVAN, INSPECTOR.

April 27	Tea, Green.	39301 Windsor Grocery Co., 1 lb .. Victoria, B.C.	40 Baird & Co., Vancouver.	Young Hyson ..	6:20 35:08 Broken tea leaves.	39301
"	Black.	39302 " ..	40 " ..	Broken Orange-Pekoe Ceylon.	5:14 34:52 "	39302
"	Black.	" ..	25 " ..	" ..	5:40 32:08 Broken tea leaves and a few pieces of stem.	39303
"	Black.	" ..	50 R. P. Ri. et Co., Victoria, B.C.	Young Hyson ..	5:64 34:72 Broken tea leaves.	39304
"	Green..	39304 " ..	10 ..	Hindson Ray Co., Victoria, B.C.	5:24 32:32 "	39305
"	Black.	39305 Corps & Young, Vic-1 " .. toria, B.C.	30 Tettey's Tea ..	W. H. Malkin, Vancouver.	5:46 27:28 "	39306 Extractive low.
"	"	39306 W. Speed, Victoria, 1 " .. B.C.	25 Fochow Congon Tea ..			

## BULLETIN No. 183—TEA.

Date of Collection.	Nature of Sample.	Number of Sample.	Name and Address of Vendor.	Quantity.	Cwt.	Cents.	Oz.	Name and Address of Manufacturer or Furnisher as given by the Vendor.	Inspector's Report (Is not an expression of Opinion).	RESULTS OF ANALYSIS.			Number of Sample to which the Chief Analyst.	Remarks and Opinions of the Chief Analyst.
										$\frac{1}{2}$	$\frac{1}{2}$	$\frac{1}{2}$		

## DISTRICT OF VICTORIA—D SULLIVAN INSPECTOR—Concluded.

1909.	April 28	Tea, Black..	39307	E. G. Bailey, Victoria, B.C.	1 "	..	30	Bleomquist, Victoria.....	.....	5.60	25.40	Broken tea leaves and pieces of stem.	39307	Extractive low.
"	28	"	39308	F. E. Plummer, Victoria, B.C.	1 "	..	30	J. W. Berry, Van- cover.	India & Ceylon Black Tea.	5.48	36.80	Broken tea leaves and some pieces of stem.	39308	
"	28	"	39309	Fred Carne, Victoria, B.C.	1 "	..	25	W. A. Jameson Coffee Co., Victoria.	Black Ceylon.	4.90	34.04	Broken tea leaves .....	39309	
"	28	"	39310	Jallaud Bros, Victoria, B.C.	1 "	..	25	R. P. Rithet & Co., Victoria.	The Rajah Ceylon Tea.	5.54	30.80	Broken tea leaves and pieces of stem.	39310	
"	28	"	39311	Acton Bros., Victoria, B.C.	1 "	..	35	Brad & Co., Victoria.	Challenge Cup cover.	5.28	34.96	"	39311	
"	28	"	39312	Wm. B. Hall, Victoria, B.C.	1 "	..	30	"	"	5.64	35.44	"	39312	
"	29	"	39313	W. A. Jameson Coffee Co., Victoria, B.C.	1 "	..	25	Balfour, McLaren, Hamilton, Ont.	.....	4.88	28.52	Broken tea leaves .....	39313	Extractive low.
"	29	"	39314	Harrison & McDonald, Victoria, B.C.	1 "	..	25	Brady & Co., Victoria.	Van- cover.	5.20	30.84	"	39314	
"	29	"	39315	Vict. Rochdale Co-op. Assoc., Victoria, B.C.	1 "	..	35	W. H. Malkin, Victoria.	Van- cover.	5.48	34.20	Broken tea leaves and pieces of stem.	39315	

