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LABORATORY  
OF THE  
INLAND REVENUE DEPARTMENT  
OTTAWA, CANADA

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BULLETIN No. 219

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BUTTER.

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INLAND REVENUE DEPARTMENT

OTTAWA, CANADA

BULLETIN No. 219

BUTTER.

OTTAWA, November 28, 1910.

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

SIR,—I have the honour to hand you a report upon two hundred and eleven (211) samples of butter, collected throughout the Dominion in June and July of this year.

The standard for butter which has just been made legal, is as follows:—

*Butter* is the clean non-rancid product made by gathering in any manner the fat of fresh or ripened milk or cream into a mass, which also contains a small portion of the other milk constituents, with or without salt, and contains not less than eighty-two and five-tenths (82.5) per cent of milk fat, and not more than sixteen (16) per cent of water. Butter may also contain added colouring matter of harmless character.

This involves the definition for milk fat, which is as follows:—

*Milk fat, Butter fat*, is the fat of milk and has a Reichert-Meissl number not less than twenty-four (24) and a specific gravity not less than 0.905  $\left(\frac{40^{\circ}\text{C.}}{40^{\circ}\text{C.}}\right)$

One hundred and ninety-five (195) samples or ninety-two (92) per cent of the whole, meet the requirements of the above standards for butter.

Of the remainder, fourteen (14) samples are slightly below the required content of milk fat. In only one instance (No. 45732, Peterboro') is this due to excess of water. It will be noted that the limit for water in butter is fixed at 16 per cent. This is consistent with the requirements of the butter Act of 1903. If then, a maximum limit of water is present in butter, the greatest amount of salt plus curd, which may be present is one and one half (1.5) per cent. As a matter of fact, the average water content of Canadian butter is about ten (10) per cent while salt is usually about three to four per cent, leaving the butter fat content much above the minimum 82.5 per cent required by law. In most of the fourteen cases now referred to, the amount of butter fat is very little lower than the legal minimum, and in only ten cases is the difference more than one (1) per cent. While this reduction of the butter fat below the legal limit, owing to excessive amounts of water and salt, is probably due to mere carelessness in manufacture, I have found it necessary to describe all cases in which the deficiency exceeds one per cent as being technically adulterated.

In two instances the fat fails to respond to the requirements for genuine milk fat. These samples are adjudged to be adulterated by admixture of foreign fat.

The report may be summarized as follows :—

Genuine Butter .....	195
Technically Adulterated .....	10
Slightly below Standard .....	4
Adulterated .....	2
Total .....	<hr/> 211

I beg to recommend publication of this report as Bulletin 219.

I have the honour to be, sir,

Your obedient servant,

A. MCGILL,  
*Chief Analyst.*

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Date of Collection.	Nature of Sample.	No. of Sample.	Name and Address of Vendor.	Cost.		Name and Address of Manufacturer or Furnisher as given by the Vendor.
				Quantity.	Cents.	
D. STRICT OF NOVA SCOTIA—						
1910						
July 11	Butter.....	42051	R. B. Adams & Co., Halifax, N.S.	1 lb.	27	E. N. Thomas, Sackville, N.S.
" 11	" .....	42052	P. T. Shea, Halifax, N.S.	1 "	25	J. L. Patterson, Hants Co., N.S.
" 11	" .....	42053	Rooney & Lovett, Halifax, N.S.	1 "	25	Angus Ross, Stewiacke, N.S.
" 11	" .....	42054	Smith & Proctor, Halifax, N.S.	1 "	24	T. Knowles, Halifax, N.S.
" 11	" .....	42055	H. L. Willison, Halifax, N.S.	1 "	25	A. A. Hill, Londonderry, N.S.
" 11	" .....	42056	Wentzells, Ltd., Halifax, N.S.	1 "	25	Acadia Canning & Creamery Co., Kingston, N.S.
" 12	" .....	42057	O. J. Lyons, Kentville, N.S.	1 "	20	Unknown.
" 12	" .....	42058	B. H. Dodge, Kentville, N.S.	1 "	20	W. N. Fosbery, Kentville, N.S.
" 13	" .....	42059	Wentworth Stores, Windsor, N.S.	1 "	23	Mrs. Dow, Wentworth, N.S.
" 13	" .....	42060	Shand Bros., Windsor, N.S.	1 "	25	H. Robinson, Hants Co., N.S.
" 13	" .....	42061	John Riley, Windsor, N.S.	1 "	25	Mrs. J. Brown, Newport, N.S.
" 13	" .....	42062	W. H. Worth, Windsor, N.S.	1 "	22	Mrs. W. Philips, Hants Co., N.S.
" 13	" .....	42063	Murphy & Demont, Windsor, N.S.	1 "	23	W. Wilson, Falmouth, N.S.
" 14	" .....	42064	Moffett Bros., Amherst, N.S.	1 "	25	Jos. Colpitts, Pt. de Bute, N.B.
" 14	" .....	42065	Barry B. Bent, Amherst, N.S.	1 "	20	Unknown.

## DISTRICT OF PRINCE EDWARD ISLAND—

June 20	Butter .....	38740	C. C. Carlton, Souris.	1 lb.	22	Mrs. Jas. McDonald, Rola Bay.
" 20	" .....	38741	A. Currie & Co., Souris.	1 "	25	J. C. Bushey, New Zealand, P.E.I.
" 21	" .....	38742	Mathew & McLean, Souris.	1 "	25	Mrs. Jackson, Bay Fortune.
" 21	" .....	38743	Cox Bros., Morell.	1 "	20	Mrs. Warren Webster, Bangor, P.E.I.
" 21	" .....	38744	H. D. McEwan, Morell.	1 "	22	Mrs. Jno. Phalen, Morell.
" 21	" .....	38745	J. W. McEwan, Lot 40.	1 "	22	Mrs. McGrath, Morell.
" 23	" .....	38746	J. H. McGougan, Hunter River.	1 "	19	Mrs. McGougan, Hunter River.
" 23	" .....	38747	Ewan Campbell, North Wiltshire.	1 "	20	Mrs. Hugh Campbell, Wiltshire.
" 23	" .....	38748	R. Tuplin & Co., Kensington.	1 "	24	A. Glover, Kensington.
" 23	" .....	38749	D. McKenzie, Kensington.	1 "	22	Mrs. Wm. Painter, Kensington.
" 24	" .....	38750	Brace & McKay, Summerside.	1 "	20	Unknown.
" 24	" .....	38751	Sinclair & Stewart, Summerside.	1 "	20	Mrs. Geo. Schurman, New Annan.

## BUTTER.

Inspector's Report. (Is not an expression of opinion).	RESULTS OF ANALYSIS.				No. of Sample.	Remarks, and Opinion of the Chief Analyst.
	Moisture.	Salt.	Butyro-refrac- tometer reading at 40° C.	Dry Saltless Butter.		

## R. J. WAUGH, INSPECTOR.

	p. c.	p. c.		p. c.		
.....	10.68	1.52	41.9	87.80	42051	Genuine.
.....	8.78	2.34	43.0	88.88	42052	"
.....	8.02	4.16	43.0	87.82	42053	"
.....	6.72	2.92	44.3	90.36	42054	Reichert-Meissl, value = 29.14. Genuine.
.....	9.86	7.94	43.9	82.20	42055	Slightly below standard.
.....	8.74	3.92	43.1	87.34	42056	Genuine.
.....	8.28	4.30	43.8	87.42	42057	"
.....	10.28	0.54	43.3	89.18	42058	"
.....	12.90	3.10	43.2	84.00	42059	"
.....	11.32	4.18	44.1	84.50	42060	"
.....	11.40	1.92	42.3	86.68	42061	"
.....	7.54	2.56	43.3	89.90	42062	"
.....	11.88	2.80	42.5	85.32	42063	"
.....	10.66	3.58	42.3	85.76	42064	"
.....	7.56	5.68	43.8	86.76	42065	"

## THEO. MOORE, INSPECTOR.

Bay.	8.24	5.98	44.7	85.78	38740	Reichert-Meissl, value = 28.18. Genuine.
land.	11.12	4.20	41.5	84.68	38741	Genuine.
e.	9.38	3.54	42.1	87.08	38742	"
ngor,	8.22	2.64	43.0	89.14	38743	"
	7.88	7.58	43.1	83.54	38744	"
	15.20	0.84	43.3	83.96	38745	"
River.	7.92	1.60	43.2	90.48	38746	"
tshire	10.16	5.78	43.8	84.06	38747	Genuine.
.....	8.32	7.68	41.3	84.00	38748	"
ngton.	12.96	7.98	42.1	79.06	38749	Below standard; technically adulterated.
.....	8.56	6.40	43.5	85.04	38750	Genuine.
New	11.94	3.20	42.0	84.86	38751	"

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

## DISTRICT OF PRINCE EDWARD ISLAND—

1910.						
July	4	Butter.....	38752	E. Toombs, Charlottetown.....	1 lb..	20 Mrs. Hughes, Winsloe.....
"	4	".....	38753	F. G. Holman, Charlottetown..	1 " "	20 Unknown.....
"	4	".....	38754	A. Gates & Co., Charlottetown.	1 " "	20 Mrs. Newson, Cornwall, P.E.I.

## DISTRICT OF NEW BRUNSWICK—

June	15	Butter.....	45261	M. E. Grass, St. John, N.B. ...	1 lb..	25 H. Hammond, St. John, N. B. .
"	16	".....	45262	Herbert S. Francis, St. John, N.B.	1 " "	26 Jas. P. Lawson, Belle Isle, N.B.
"	17	".....	45263	Chas. L. Doherty, Fairville, N.B.	1 " "	28 John Donovan, Cork Settlement, N.B.
"	20	".....	45264	J. E. Quinn, St. John, N.B. ...	1 " "	23 Purdy Bros., Sackville, N.B. ...
"	20	".....	45265	Chas. A. Clark, St. John, N.B.	1 " "	25 Mrs. Wright, Golden Grove, N.B.
"	23	".....	45266	H. McGrattan & Sons, St. George, N.B.	1 " "	22 Jas. McGarrigle, St. George Parish, N.B.
"	23	".....	45267	Milne, Coutts & Co., Ltd., St. George, N.B.	1 " "	25 Mrs. Jno. Campbell, St. George Parish, N.B.
July	5	".....	45268	W. A. Estabrook, Fredericton, N.B.	1 " "	25 Stafford Barker, Prince William, N.B.
"	6	".....	45269	John Graham Estate, Wood- stock, N.B.	1 " "	23 Jos. Wolverton, Northampton, N.B.
"	7	".....	45270	Benjamin Beveridge, Andover, N.B.	1 " "	20 Mrs. Samuel Works, Andover, N.B.
"	8	".....	45271	F. D. Sadler, Perth, N. B. . .	1 " "	20 Miss Maria Craig, Perth Parish, N.B.
"	9	".....	45272	P. D. Burgoin, Grand Falls, N.B.	1 " "	25 Mrs. Edward, Ouillet, Grand Falls Parish, N.B.
"	19	".....	45273	King, Asbell & Co., Sussex, N.B.	1 " "	24 Rowland Chestnut, Kings Co., N.B.
"	19	".....	45274	Sussex Mercantile Co., Ltd., Petitcodiac, N.B.	1 " "	25 Mrs. Jno. DeWolfe, Petitcodiac, N.B.

## DISTRICT OF QUEBEC—

June	16	Butter.....	36408	M. Barnard, Stadacona.....	1 lb.	26 Emond & Cote, Quebec.....
"	16	".....	36409	Pierre Belanger & Cie., Stada- cona.	1 " "	28 Emond & Cote, Quebec.....
"	16	".....	36410	Francois Cleche, Stadacona. . .	1 " "	26 Octave Jacque, Quebec.....
"	16	".....	36411	Napoleon Bigouette, Stadacona.	1 " "	25 Maranda Marche, Champlain, Quebec.
"	16	".....	36412	Jos. E. Plamondon, Stadacona.	1 " "	25 Marier, Rue Dorchester, Quebec.
"	16	".....	36413	Alphonse Martin, Stadacona....	1 " "	26 Emond & Cote, Quebec.....
"	16	".....	36414	Jos. Lajeunesse, Limoilou.....	1 " "	25 Unknown.....
"	16	".....	36415	E. P. Bérubé, Limoilou . . . .	1 " "	25 Damase Rouleau, Quebec.....

## BUTTER.

Inspector's Report. (Is not an expression of opinion).	RESULTS OF ANALYSIS.				No. of Sample.	Remarks and Opinion of the Chief Analyst.
	Moisture.	Salt.	Butyro-refrac- tometer reading at 40° C.	Dry Saltless Butter.		

*Continued.*

	p. c.	p. c.		p. c.		
.....	13.74	5.32	41.9	80.94	38752	Below standard ; technically adulterated.
.....	10.23	3.18	42.5	86.54	38753	Genuine.
.....	10.62	2.64	42.0	86.74	38754	"

## J. C. FERGUSON, INSPECTOR.

	p. c.	p. c.		p. c.		
.....	8.16	4.14	43.9	87.70	45261	Genuine.
.....	10.88	6.40	43.3	82.72	45262	"
.....	10.12	5.48	44.1	84.40	45263	"
.....	6.50	3.76	43.8	89.74	45264	"
.....	13.34	1.76	42.9	84.90	45265	"
.....	7.22	5.24	44.4	87.54	45266	Reichert-Meissl, value = 31.20. Genuine.
.....	10.74	2.54	43.0	86.72	45267	Genuine.
.....	9.00	2.22	43.8	88.78	45268	"
.....	10.46	2.52	42.8	87.62	45269	"
.....	12.10	10.16	43.3	77.74	45270	Below standard ; technically adulterated.
.....	10.14	8.72	42.8	81.16	45271	" "
.....	10.62	6.62	43.0	82.76	45272	Genuine.
.....	8.90	4.08	43.0	87.02	45273	"
.....	10.30	2.52	43.0	87.18	45274	"

## E. BELAND, INSPECTOR.

	p. c.	p. c.		p. c.		
.....	11.20	3.00	43.2	85.80	36408	Genuine.
.....	13.22	2.66	43.3	84.12	36409	"
.....	11.96	2.92	43.1	85.12	36410	"
.....	8.90	5.78	42.3	85.32	36411	"
.....	11.28	1.84	42.6	86.88	36412	"
.....	13.10	1.42	43.3	85.48	36413	"
.....	5.56	3.26	44.5	91.18	36414	Reichert-Meissl, value = 27.77. Genuine.
.....	8.80	5.92	43.1	85.28	36415	Genuine.

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

## DISTRICT OF QUEBEC—

1910						
June 16	Butter.....	36416	Albert A. Gingras, Limoilou...	1 lb.	25	Unknown.....
" 16	" .....	36417	Hidallard Savard, Limoilou...	1 "	25	Unknown.....
" 16	" .....	36418	Veuve A. Roy, Limoilou. ....	1 "	28	Unknown. ....
" 16	" .....	36419	Jos. L. Letourneau, 135 Rue du Pont, Quebec.	1 "	26	J. Parent, Charlebourg.....
" 16	" .....	36420	Jos. Gregoire, 128 Rue du Pont, Quebec.	1 "	26	Jos. Lafont, Stonham.....
" 16	" .....	36421	Emile Paquet, 142 Rue du Roi, Quebec.	1 "	24	Unknown.....
" 16	" .....	36422	Guillaume Gingras, 268 Rue du Roi, Quebec.	1 "	22	Unknown.....

## DISTRICT OF ST. HYACINTHE—

June 22	Butter .....	1322	N. Larivée, Farnham. ....	1 lb.	25	Unknown. ....
" 23	" .....	1323	R. E. Bertrand, Magog. ....	1 "	25	A. Poirier, Oliver Corner.....
" 23	" .....	1324	Tremblay & Cie, St. Catherine de Hatley.	1 "	25	Mde. Vve. Jos. Belanger, St. Catherine de Hatley.
" 27	" .....	1325	Mde. Grandchamp, Sorel. ....	1 "	23	Mde. Turgeon. ....
" 30	" .....	1326	J. D. Lacerte & Cie., Plessisville.	1 "	20	J. B. Goselin, Plessisville.....
July 12	" .....	1327	Alph Blais, Thetford Mines.....	1 "	22	Unknown.....
" 12	" .....	1328	C. Cote, D'Israeli. ....	1 "	25	Alph Roy, D'Israeli.....
" 12	" .....	1329	A. A. Jacques, Garthby.....	19 oz.	29	Geo. Blouin, Ham. Nord.....
" 13	" .....	1330	J. E. A. Roger, Lac Megantic.	1 lb.	21	Unknown.....
" 13	" .....	1331	Robert Scott, Scotstown.....	18 oz.	22	O. Mathew, Scotstown.....
" 14	" .....	1332	A. Bourret, La Patrie.....	1 lb.	25	Unknown.....
" 14	" .....	1333	Jos. Demers, Notre Dame des Bois.	1 "	25	Mde. A. Boisvert, N. D. des Bois.
" 19	" .....	1334	J. A. Phaneuf, St. Antoine River, Rich.	1 "	20	Vendor. ....
" 21	" .....	1335	H. Clapwood, St. Jean. ....	1 "	25	Unknown.....

## DISTRICT OF MONTREAL—

June 23	Butter.....	39922	Viau & Co., 801 St. Lawrence B., Montreal.	1 lb.	24	.....
" 23	" .....	39923	St. Lawrence Grocery Co., 395 St. Lawrence B., Montreal.	1 "	25	.....
" 23	" .....	39924	N. Morin & Co., Bonsecours Market, Montreal.	1 "	25	.....

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## BUTTER.

Inspector's Report. (Is not an expression of opinion).	RESULTS OF ANALYSIS.				No. of Sample.	Remarks and Opinion of the Chief Analyst.
	Moisture.	Salt.	Batyro-refractometer reading at 40° C.	Dry Saltless Butter.		

*Continued.*

	p. c.	p. c.		p. c.		
.....	8.66	2.38	42.2	88.96	36416	Genuine.
.....	10.98	4.08	43.7	84.94	36417	"
.....	9.54	3.36	43.9	87.10	36418	"
.....	12.14	5.52	42.3	82.34	36419	"
.....	13.78	1.06	44.0	85.16	36420	"
.....	9.84	2.92	44.3	87.24	36421	"
.....	12.28	2.52	42.5	85.20	36422	"

## J. C. ROULEAU, INSPECTOR.

.....	14.48	1.60	42.9	83.92	1322	Genuine.
.....	8.79	2.00	44.0	89.30	1323	"
.....	10.52	1.80	43.8	57.68	1324	"
.....	10.22	1.50	42.0	88.28	1325	"
.....	11.80	3.94	42.3	84.26	1326	"
.....	10.80	5.12	44.2	84.18	1327	Reichert-Meissl, value = 31.46. Genuine.
.....	15.46	4.44	42.2	81.10	1328	Slightly below standard, and technically adulterated.
.....	8.56	5.26	43.3	86.18	1329	Genuine.
.....	11.30	1.86	43.0	86.84	1330	"
.....	14.74	2.42	44.9	82.84	1331	Reichert-Meissl, value = 26.92. Genuine.
.....	10.04	1.50	44.1	88.46	1332	Genuine.
.....	7.86	1.68	43.3	90.46	1333	"
.....	11.54	3.50	41.5	84.96	1334	"
.....	10.16	2.06	43.0	87.78	1335	"

## J. J. COSTIGAN, INSPECTOR.

.....	14.58	1.82	41.9	83.60	39922	Genuine.
Corona brand.....	13.72	2.64	44.0	83.64	39923	"
.....	12.88	1.66	45.0	85.46	39924	Reichert-Meissl, value = 27.36. Genuine.

Date of Collection.	Nature of Sample.	No. of Sample.	Name and Address of Vendor.	Cost.		Name and Address of Manufacturer or Furnisher as given by the Vendor.
				Quantity.	Cents.	
DISTRICT OF MONTREAL—						
1910.						
June 23	Butter.....	39925	S. Beaulieu, Bonsecours Market, Montreal.	1 lb ..	26	Thomas Bros., St. Thomas, Ont.
" 23	" .....	39926	" " " " " " " "	1 " ..	24	.....
" 23	" .....	39927	N. Lafortune, Bonsecours Market, Montreal.	1 " ..	25	.....
" 23	" .....	39928	U. Etlier, Bonsecours Market, Montreal.	1 " ..	25	Laporte et frere, Joliette, P.Q..
July 7	" .....	39929	S. Goodman & Son, 11 Lagauchetiere St. W., Montreal.	1 " ..	28	Hislop & Hunter, Montreal....
" 7	" .....	39930	R. Bernard, 91 Lagauchetiere St. E., Montreal.	1 " ..	27	.....
" 7	" .....	39931	A. Delisle, St. Antoine Market, Montreal.	1 " ..	25	.....
" 7	" .....	39932	Geo. Falle, St. Antoine Market, Montreal.	1 " ..	24	.....
" 7	" .....	39933	N. Deschenes, St. Antoine Market, Montreal.	1 " ..	25	.....
" 7	" .....	39934	H. Martel, 809 St. James St., Montreal.	1 " ..	25	Z. Limoge, Montreal.....
" 7	" .....	39935	Jos. St. Jean, Lachine, P.Q....	1 " ..	24	.....
" 7	" .....	39936	M. Beaudoin, Lachine, P.Q....	1 " ..	27	.....
DISTRICT OF OTTAWA—						
June 11	Butter.....	43021	Wm. Lorimer, Brockville....	1 lb ..	25	Unknown.....
" 25	" .....	43022	Wm. L. Smith, Cornwall....	1 " ..	25	Gunn's, Toronto.....
" 25	" .....	43023	A. Edwards, Cornwall.....	1 " ..	25	MacDonald, St. Andrews.....
" 28	" .....	43024	Mullin Bros., Morrisburg....	1 " ..	25	Unknown.....
" 28	" .....	43025	J. D. McDonald, Morrisburg...	1 " ..	25	Vendor.....
July 15	" .....	43026	P. Brankin, By Ward Market, Ottawa.	1 " ..	22	Unknown.....
" 15	" .....	43027	E. Gougeon, By Ward Market, Ottawa.	1 " ..	23	" .....
" 15	" .....	43028	S. Diamend, By Ward Market, Ottawa.	1 " ..	23	" .....
" 15	" .....	43029	P. Glavey & Son., By Ward Market, Ottawa.	1 " ..	23	" .....
" 15	" .....	43030	Mrs. Lunny, By Ward Market, Ottawa.	1 " ..	25	Mr. Perkins.....
" 16	" .....	43031	McDonald Bros., Gladstone Ave. Ottawa.	1 " ..	25	A. Doyle, Herberts Corners....
" 16	" .....	43032	Jas. Leaver, Ottawa.....	1 " ..	23	Unknown.....
" 16	" .....	43033	J. Millar, Ottawa.....	1 " ..	25	Wm. Mills, Gladstone Ave., Ottawa.
" 16	" .....	43034	L. Malette, Dalhousie St., Ottawa.	1 " ..	25	Unknown.....
" 16	" .....	43035	P. Service, Cumberland St., Ottawa.	1 " ..	24	" .....

## BUTTER.

Inspector's Report. (Is not an expression of opinion).	RESULTS OF ANALYSIS.				No. of Sample.	Remarks and Opinion of the Chief Analyst.
	Moisture.	Salt.	Butyro-refractometer reading at 40° C.	Dry Saltless Butter.		

*Continued.*

.....	p. c.	p. c.		p. c.		
.....	12.56	5.60	43.5	81.84	39925	Slightly below standard.
.....	10.70	2.28	43.0	87.02	39926	Genuine.
.....	10.50	2.44	42.8	87.06	39927	"
.....	13.84	1.48	43.2	84.58	39928	"
.....	14.18	2.58	42.9	83.24	39929	"
.....	10.94	3.04	43.1	86.02	39930	"
.....	7.72	5.96	44.0	86.32	39931	"
.....	10.86	3.20	43.2	85.94	39932	"
.....	9.96	4.70	43.4	85.34	39933	"
.....	7.48	2.32	43.0	90.20	39934	"
.....	11.78	1.98	43.8	86.24	39935	"
.....	12.08	3.72	42.5	84.20	39936	"

## J. A. RICKEY, INSPECTOR.

.....	15.38	0.62	42.7	84.00	43021	Genuine.
.....	8.24	3.30	42.9	88.46	43022	"
.....	10.54	3.18	43.0	86.28	43023	"
.....	8.64	5.62	43.6	85.74	43024	"
.....	10.16	5.84	43.0	84.00	43025	"
.....	8.68	1.06	43.6	90.26	43026	"
.....	8.94	2.98	44.1	88.08	43027	Reichert-Meissl, value = 29.31. Genuine.
.....	8.78	3.44	44.2	87.78	43028	Reichert-Meissl, value = 29.42. Genuine.
.....	6.54	2.70	44.8	90.76	43029	Reichert-Meissl, value = 20.60. Adulterated.
.....	10.48	1.92	41.7	87.60	43030	Genuine.
.....	11.16	4.44	43.9	84.40	43031	"
.....	11.48	2.00	43.8	86.52	43032	"
.....	14.64	5.05	43.3	80.31	43033	Below standard; technically adulterated.
.....	12.46	6.24	43.8	81.30	43034	Slightly below standard and technically adulterated.
.....	10.76	0.86	43.9	88.38	43035	Genuine.

Date of Collection.	Nature of Sample.	No. of Sample.	Name and Address of Vendor.	Cost.		Name and Address of Manufacturer or Furnisher as given by the Vendor.
				Quantity.	Cents.	
DISTRICT OF KINGSTON—						
1910.						
June 16	Butter.....	45721	P. A. Haffner, Kingston.....	1 lb ..	25	Eastern Dairy School, Kingston
" 16	" .....	45722	A. B. Gage, Kingston.....	1 " ..	27	B. Keeler, Battersea.....
" 20	" .....	45723	R. Richardson, Napanee.....	1 " ..	25	Mrs. Schormer.....
" 20	" .....	45724	J. Paisley, Napanee.....	1 " ..	25	Mrs. Shearman.....
" 20	" .....	45725	R. Elvins, Belleville.....	1 " ..	25	Unknown.....
" 20	" .....	45726	A. G. Vermilyea, Belleville.....	1 " ..	25	" .....
" 21	" .....	45727	T. A. Fisher, Lindsay.....	1 " ..	20	D. Bacon.....
" 21	" .....	45728	W. M. Robson, Lindsay.....	1 " ..	20	Unknown.....
" 21	" .....	45729	Adams Bros., Lindsay.....	1 " ..	22	Unknown.....
" 21	" .....	45730	J. Flurey, Lindsay.....	1 " ..	20	Mrs. Nort.....
" 21	" .....	45731	A. C. Babcock, Lindsay.....	1 " ..	20	Mrs. Evans.....
" 21	" .....	45732	H. L. Burnham, Peterboro....	1 " ..	26	P. Downham, Peterboro.....
" 21	" .....	45733	H. B. Bradshaw, Peterboro....	1 " ..	25	Mrs. Chathare.....
" 21	" .....	45734	A. J. Warne, Peterboro.....	1 " ..	28	W. Weir, Lang, Ont.....
" 22	" .....	45735	S. Froot, Port Hope.....	1 " ..	20	Mrs. T. Nicholes.....
DISTRICT OF TORONTO—						
June 18	Butter.....	45101	W. H. Bessey, Market Hall, Hamilton.	1 lb.	18	Unknown.....
" 18	" .....	45102	J. K. Smith, Market Hall, Hamilton.	1 " ..	19	J. V. Durham, Vanessa.....
" 25	" .....	45103	J. Tomlinson & Son, St. Lawrence Market, Toronto.	1 " ..	22	Unknown.....
" 25	" .....	45104	J. D. Barnes, St. Lawrence Market, Toronto.	1 " ..	22	D. Stewart, Thistletown.....
" 25	" .....	45105	W. T. McDonnell, 40 Church St., Toronto.	1 " ..	20	Mrs. Jno. Knox, Creemore.....
" 30	" .....	45106	A. E. Henry, Oshawa.....	1 " ..	18	Brooklin Creamery.....
" 30	" .....	45107	A. T. Lawlor, Whitby.....	1 " ..	20	Mrs. Wm. McTaggart, Whitby.
July 4	" .....	45108	Sinclair & Co., Orillia.....	1 " ..	19	Mrs. Thorborne, Orillia.....
" 5	" .....	45109	Hower & Co. Ltd., Gravenhurst.	1 " ..	21	G. A. Leahman, Kilworthy.....
" 5	" .....	45110	Kirk Bros., Bracebridge.....	1 " ..	17	Unknown.....
" 6	" .....	45111	J. W. Tudhope & Son, Huntsville.	1 " ..	20	Mrs. Geo. Francey, Huntsville.
" 6	" .....	45112	J. Perks, Parry Sound.....	1 " ..	23	Unknown.....

## BUTTER.

Inspector's Report. (Is not an expression of opinion).	RESULTS OF ANALYSIS.					No. of Sample.	Remarks and Opinion of the Chief Analyst.
	Moisture.	Salt.	Hydro-refractometer reading at 40° C.	Dry Saltless Butter.			

## JAS. HOGAN, INSPECTOR.

	p. c.	p. c.		p. c.		
.....	11.28	0.84	43.9	87.88	45721	Genuine.
.....	12.50	5.68	44.2	81.82	45722	Reichert-Meissl, value = 30.67. Slightly below standard.
.....	10.76	3.62	41.5	85.62	45723	Genuine.
.....	10.88	4.62	43.3	84.50	45724	"
.....	10.54	4.20	44.5	85.26	45725	Reichert-Meissl, value = 31.10. Genuine.
.....	10.06	4.24	41.8	85.70	45726	Genuine.
.....	10.60	4.30	42.9	85.10	45727	"
.....	11.54	5.66	42.7	82.80	45728	"
.....	10.58	1.56	45.0	87.86	45729	Reichert-Meissl, value = 29.84. Genuine.
.....	9.04	4.10	43.9	86.86	45730	Genuine.
.....	12.62	8.04	43.8	79.36	45731	Below standard ; technically adulterated.
.....	17.04	3.22	43.7	79.74	45732	Below standard ; technically adulterated.
.....	11.56	4.56	43.7	83.88	45733	Genuine.
.....	8.76	2.78	43.2	88.46	45734	"
.....	9.98	1.18	43.2	88.84	45735	"

## H. J. DAGER, INSPECTOR.

.....	8.16	1.38	43.1	90.46	45101	Genuine.
.....	10.26	8.12	43.2	81.62	45102	Slightly below standard.
.....	12.14	1.44	43.3	86.42	45103	Genuine.
.....	14.18	3.30	43.2	82.52	45104	"
.....	9.16	12.88	43.1	77.96	45105	Below standard ; technically adulterated.
.....	12.36	1.74	42.3	85.90	45106	Genuine.
.....	9.76	2.56	44.5	87.68	45107	Reichert-Meissl, value = 27.23. Genuine.
.....	11.72	1.56	45.0	86.72	45108	Reichert-Meissl, value = 28.63. Genuine.
.....	12.16	2.46	43.9	85.38	45109	Genuine.
.....	9.80	3.16	43.3	87.04	45110	"
.....	11.12	4.32	43.7	84.56	45111	"
.....	14.26	1.76	43.5	83.98	45112	"

Date of Collection.	Nature of Sample.	No. of Sample.	Name and Address of Vendor.	Cost.		Name and Address of Manufacturer or Furnisher as given by the Vendor.
				Quantity.	Cents.	
DISTRICT OF LONDON—						
1910.						
July 23	Butter.....	44605	D. J. Maguire.....	1 lb..	18	Mrs. Williams, McKillops. ....
" 30	" .....	44613	John Tantartino, grocer, Guelph	1 " ..	24	Mrs. Jas. Stewart. ....
" 30	" .....	44614	William Hood, Guelph.....	1 " ..	23	Mrs. Monkman .....
" 30	" .....	44615	J. A. McCrea, Guelph.....	1 " ..	23	C. A. Darbey .....
" 13	" .....	44772	Dean Bros., Goderich.....	1 " ..	20	Mrs. Philip Rundler, Goderich Township.
" 13	" .....	44773	H. R. Long, Goderich.....	1 " ..	20	David Hamilton, Colborn Township.
" 14	" .....	44780	J. T. Lennon, Wingham. ....	1 " ..	20	Robt. Rowland, Wingham.....
" 14	" .....	44784	J. S. Gee, Listowell .....	1 " ..	20	Mrs. Wm. Kennedy, Listowell.
" 19	" .....	44792	W. R. Butcher, St. Mary's.....	1 " ..	22	Geo. Merriot, Blanchard Township.
" 20	" .....	44797	Jas. H. Pipe, Mitchell.....	1 " ..	20	Mrs. Gorley, Mitchell.....
" 21	" .....	44798	Peter Dill, Dublin.....	1 " ..	20	Mrs. Wm. Kenney, Logan Township.
DISTRICT OF WINDSOR—						
June 27	Butter.....	42401	Haskett Bros., London.....	1 lb..	20	Unknown.....
" 27	" .....	42404	W. Davies, London.....	1 " ..	23	Molyneaux & Co., Dublin.....
" 27	" .....	42406	A. B. Jermyn, London.....	1 " ..	22	Mrs. Berry.....
" 27	" .....	42407	Jas. Falkner, London .....	1 " ..	22	Mrs. J. C. Zavitz, Poplar Hill..
" 27	" .....	42410	H. Guymer, London.....	1 " ..	22	Mrs. Lewis .....
" 28	" .....	42411	Duncan Bros., London.....	1 " ..	22	Mrs. Perkins.....
" 28	" .....	42412	S. W. Johnston, London.....	1 " ..	22	Mrs. Fraser.....
" 28	" .....	42414	F. E. Kestle, London.....	1 " ..	22	O. Hudson, Bryanston.....
" 28	" .....	42417	H. P. Rosser, London.....	1 " ..	22	McNair.....
" 28	" .....	42418	Mrs. M. S. Deacon, London....	1 " ..	22	Mr. Reeve, Birr.....
DISTRICT OF MANITOBA—						
June 20	Butter ....	43486	B. Baker, 181 Bannerman St., Winnipeg.	1 lb.	25	The Carson Hygienic Dairy Co., 267 Maryland St., Winnipeg.
" 20	" .....	43487	F. Fawley, 1084 Main St. N., Winnipeg.	1 "	25	Simpson Produce Co., Winnipeg.
" 20	" .....	43488	Coyle Bros., Winnipeg.....	1 "	28	Crescent Creamery Co., Winnipeg.
" 21	" .....	43489	P. H. Menlove, Main St. N., Winnipeg.	1 "	25	The Consolidated Butter Co., Higgins Ave., Winnipeg.

## BUTTER.

Inspector's Report. (Is not an expression of opinion).	RESULTS OF ANALYSIS.				No. of Sample.	Remarks and Opinion. of the Chief Analyst.
	Moisture.	Salt.	Butyro-refrac- tometer reading at 40° C.	Dry Saltless Butter.		

## T. KIDD, INSPECTOR.

	p. c.	p. c.		p. c.		
.....	10.32	2.06	43.0	87.62	44605	Genuine.
.....	8.76	3.58	45.0	87.66	44613	Reichert-Meissl, value = 30.09. Genuine.
.....	12.04	2.54	44.1	85.42	44614	Genuine.
.....	13.64	3.00	44.1	83.36	44615	"
.....	9.16	1.72	43.6	89.12	44772	"
.....	9.70	2.38	43.9	87.92	44773	"
.....	12.84	2.12	44.0	85.04	44780	"
.....	8.72	3.50	42.2	87.78	44784	"
.....	10.16	3.16	42.7	86.68	44792	"
.....	12.40	3.64	42.4	83.96	44797	"
.....	12.02	5.46	43.3	82.52	44798	"

## JNO. TALBOT, INSPECTOR.

.....	9.18	0.28	44.6	90.54	42401	Reichert-Meissl, value = 26.53. Genuine.
.....	7.78	2.12	44.0	90.10	42404	Genuine.
.....	14.52	2.52	43.2	82.96	42406	"
.....	8.92	1.38	43.5	89.70	42407	"
.....	9.40	0.76	44.7	89.84	42410	"
.....	11.32	1.52	44.7	87.16	42411	"
.....	12.38	3.16	43.5	84.46	42412	"
.....	13.86	0.30	43.6	85.84	42414	"
.....	10.42	0.40	43.8	89.18	42417	"
.....	6.88	1.44	42.5	91.68	42418	"

## A. C. LARIVIERE, INSPECTOR

.....	13.28	1.94	43.6	84.78	43486	Genuine.
.....	8.64	2.18	44.5	89.19	43487	Reichert Meissl, value = 25.83. Genuine.
.....	14.10	3.06	43.8	82.84	43488	Genuine.
.....	7.92	5.16	43.9	86.92	43489	"

Date of Collection.	Nature of Sample.	No. of Sample.	Name and Address of Vendor.	Cost.		Name and Address of Manufacturer or Furnisher as given by the Vendor.
				Quantity.	Cents.	
DISTRICT OF MANITOBA—						
1910.						
June 21	Butter.....	43490	Templeton & Co., 1028 Main St. N., Winnipeg.	1 lb..	26	James McNaughton, St. Paul, M
" 21	" .....	43491	Moffett & Douglas, Selkirk Ave., Winnipeg.	1 "	25	Unknown.....
" 21	" .....	43492	S. G. Prebble, Notre Dame Ave., Winnipeg.	1 "	25	" .....
" 23	" .....	43493	H. Slason, Nena St., Winnipeg.	1 "	25	Dingle & Stewart, Winnipeg....
" 27	" .....	43494	G. T. Hoyes, Elmwood.....	1 "	25	Unknown.....
" 27	" .....	43495	J. G. McGrath, Elmwood.....	1 "	25	" .....
" 28	" .....	43496	Heaney Bros., Portage Ave., Winnipeg.	1 "	25	" .....
" 28	" .....	43497	A. T. Culley, Norwood Grove..	1 "	25	The Simpson Produce Co., Winnipeg.
" 28	" .....	43498	W. J. Kennedy, Norwood Grove.	1 "	25	Peter Falk.....
" 29	" .....	43499	Pasekov & Pearoin, Weston....	1 "	25	Unknown.....
" 29	" .....	43500	Saunders Bros., Weston.....	1 "	25	Campbell Bros. & Wilson, Winnipeg.
DISTRICT OF CALGARY—						
July 5	Butter.....	43756	Craddack & Viner, Lethbridge..	1 lb..	35	Government Creamery, Alberta.
" 5	" .....	43757	George Keer & Co., Lethbridge.	1 "	35	J. F. Miller, Lacombe.....
" 5	" .....	43758	A. Macdonald & Co., Lethbridge	1 "	35	W. G. Smith, Leavitt, Alta ...
" 5	" .....	43759	Hudson Bay Co., Lethbridge..	1 "	35	Campbell & Griffiths, Calgary..
" 13	" .....	43760	R. Dunn, Medicine Hat .....	1 "	30	A. Mart, Josephsburg, Alta....
" 13	" .....	43761	The D. Milne Co., Ltd., Medicine Hat.	1 "	30	Goslib Lust, Josephsburg, Alta.
" 20	" .....	43762	Wood & Green, Calgary..	1 "	25	Jas. D. Bailie, Black Diamond, Alta.
" 20	" .....	43763	J. A. Nolan, Calgary.....	1 "	30	W. L. Fischer, Mayton, Alta...
" 20	" .....	43764	Calgary Milling Co., Ltd., Calgary.	1 "	30	Pallison Bros., Co., Calgary....
" 20	" .....	43765	Hudson Bay Co., Calgary....	1 "	30	Wild Rose Creamery, Ponoka, Alta.
" 20	" .....	43766	C. J. Winn, Calgary .....	1 "	30	J. F. Griffin & Co., Ltd., Calgary.
" 20	" .....	43767	Copas & Emerson, Calgary....	1 "	30	H. Collinge, Didsbury, Alta....
" 20	" .....	43768	J. T. Macdonald, Calgary.....	1 "	30	R. B. Eaton, Stettler, Alta ....
" 20	" .....	43769	S. G. Freeze, Calgary .....	1 "	30	Mrs. C. Christianson, Dickson, Alta.
" 20	" .....	43670	Hallat & Longdon, Calgary ...	1 "	30	Mrs. Behren, Bawlf, Alta.....



BUTTER.

Inspector's Report. (Is not an expression of opinion).	RESULTS OF ANALYSIS.				No. of Sample.	Remarks and Opinion of the Chief Analyst.
	Moisture.	Salt.	Buero refractometer, reading at 40°C.	Dry Saltless Butter.		

Continued.

	p. c.	p. c.		p. c.		
Paul, M	11.14	3.78	43.0	85.08	43490	Genuine
.....	8.32	1.14	43.7	90.54	43491	"
.....	10.94	3.10	42.7	85.86	43492	"
ipeg, .....	11.32	4.26	43.4	84.42	43493	"
.....	10.00	2.36	43.6	87.64	43494	"
.....	9.28	2.58	43.5	88.14	43495	"
.....	10.78	3.12	43.3	86.10	43496	"
o, Win-	13.70	3.62	43.4	82.68	43497	"
.....	8.60	3.58	44.0	86.82	43498	"
.....	10.36	2.30	43.9	87.44	43499	"
o, Win-	7.10	0.92	43.0	91.98	43500	"

R. W. FLETCHER, INSPECTOR.

Alberta.	13.48	2.80	43.7	83.72	43756	Genuine.
.....	6.88	1.54	43.3	91.58	43757	"
lta ...	7.76	0.92	43.6	91.32	43758	"
lgary..	10.22	1.90	43.4	87.88	43759	"
Alta....	9.96	2.02	43.2	88.02	43760	"
g, Alta.	7.10	1.12	41.9	91.78	43761	"
iamond,	11.14	3.40	43.1	85.46	43762	"
Alta...	12.42	5.20	43.1	82.38	43763	"
gary....	10.40	0.60	42.8	89.00	43764	"
Ponoka,	10.88	2.38	43.2	86.74	43765	"
d., Cal-	11.46	3.06	43.3	85.48	43766	"
Alta....	12.80	0.48	43.1	86.72	43767	"
.lta ....	10.58	1.86	43.4	87.56	43768	"
Dickson,	11.68	1.14	43.3	87.18	43769	"
ta.....	9.22	5.16	43.5	85.62	43770	"

Date of Collection.	Nature of Sample.	No. of Sample.	Name and Address of Vendor.	Cost.		Name and Address of Manufacturer or Furnisher as given by the Vendor.
				Quantity.	Cents.	
DISTRICT OF VANCOUVER—						
1910.						
June 29	Butter.....	37956	S. Bell, Fairview, Vancouver...	1 lb ..	30	Parson & Haddock.....
" 29	" .....	37957	A. Doran, Fairview, Vancouver	1 " ..	35	Vancouver Creamery.....
" 29	" .....	37958	T. H. Cardinal & Sons, Kitsilano Vancouver.	1 " ..	35	Chilliwack Creamery.....
July 19	" .....	37959	E. G. Cordingly, Cedar Cottage Vancouver.	1 " ..	35	A. P. Slade & Co. ....
" 19	" .....	37960	F. Oyling, Cedar Cottage, Van- couver.	1 " ..	35	W. H. Malkin & Co., Vancouver
" 19	" .....	37961	J. W. McIntyre, Cedar Cottage Vancouver.	1 " ..	35	Vancouver Creamery .....
" 19	" .....	37962	Cashen Bros., Cedar Cottage, Vancouver.	1 " ..	35	W. J. Prout .....
" 19	" .....	37963	F. H. Hepper, Grandview.....	1 " ..	30	Naismith & Co.....
" 19	" .....	37964	H. W. Jones, Grandview.....	1 lb ..	30	P. Slade.....
" 19	" .....	37965	T. A. Brewis, Grandview .....	1 " ..	30	Unknown.....
" 19	" .....	37966	Mam's Grocery, Grandview....	1 " ..	25	G. W. Prout & Co.....
" 19	" .....	37967	Jos. Cossetti, Vancouver.....	1 " ..	30	Unknown.....
" 19	" .....	37968	Avenue Meat Market, Van- couver.	1 " ..	35	J. Y. Griffin .....
" 19	" .....	37969	Ed. Manning, Vancouver .....	1 " ..	35	Richmond Dairy.....
" 19	" .....	37970	A. H. Bower, Vancouver.....	1 " ..	35	Vancouver Creamery.....
DISTRICT OF VICTORIA—						
June 20	Butter.....	41699	Windsor Grocery Co., Victoria.	1 lb ..	35	J. Y. Griffin & Co., Victoria, B.C.
" 20	" .....	41700	The Saunders Grocery Co., Ltd., Victoria.	1 " ..	30	F. R. Stewart & Co., Victoria, B.C.
" 21	" .....	44884	The West End Grocery Co., Ltd., Victoria.	1 " ..	30	B. Wilson Co., Ltd., Victoria, B.C.
" 21	" .....	44885	H. O. Kirkham, Victoria .....	1 " ..	30	The B. Wilson Co., Ltd., Vic- toria, B.C.
" 22	" .....	44886	Harrison & McDonald, Victoria	1 " ..	30	Simor Leiser & Co., Victoria, B.C.
" 22	" .....	44887	Acton Bros., Victoria.....	1 " ..	30	F. R. Stewart & Co., Victoria, B.C.
" 22	" .....	44888	W. B. Hall, Victoria.....	1 " ..	30	B. Wilson Co., Ltd., Victoria, B.C.
" 23	" .....	44889	Copas & Young, Victoria .....	1 " ..	30	Unknown.....
" 23	" .....	44890	E. F. Plummer, Victoria.....	1 " ..	35	Naismith & Co., Vancouver....
" 24	" .....	44891	L. Dickinson, Victoria .....	1 " ..	30	Victoria Creamery, Victoria, B.C.
" 24	" .....	44892	J. Renouf, Victoria.....	1 " ..	35	C. Heals, Victoria, B.C.....
" 24	" .....	44893	E. G. Bailey, Victoria.....	1 " ..	30	B. Wilson Co., Ltd, Victoria, B.C.
" 24	" .....	44894	Erskine & Co., Victoria.....	1 " ..	35	Victoria Creamery, Victoria, B.C.
" 27	" .....	44895	A. Pool, Victoria.....	1 " ..	35	Naismith & Co., Vancouver....
" 27	" .....	44896	Dixi H. Ross & Co., Victoria..	1 " ..	30	B. Wilson Co., Ltd., Victoria, B.C.

## BUTTER.

Inspector's Report. (Is not an expression of opinion.)	RESULTS OF ANALYSIS.				No. of Sample.	Remarks, and Opinion of the Chief Analyst.
	Moisture.	Salt.	Butyro-refrac- tometer reading at 40°C.	Dry Saltless Butter.		
<b>J. F. POWER, INSPECTOR.</b>						
	p.c.	p.c.		p. c.		
.....	11.60	1.10	43.6	87.30	37956	Genuine.
.....	9.92	3.84	43.0	86.24	37057	"
.....	12.72	1.40	43.4	85.88	37958	"
.....	13.28	3.84	43.5	82.88	37959	"
.....	12.70	1.52	43.5	85.78	37960	"
.....	8.64	1.90	42.3	89.46	37961	"
.....	13.36	2.00	43.9	84.64	37962	"
.....	10.56	2.04	43.3	87.40	37963	"
.....	8.32	0.66	43.1	91.02	37964	"
.....	9.94	0.94	42.9	89.12	37965	"
.....	6.66	4.36	43.5	88.98	37966	"
.....	12.46	2.24	43.0	85.30	37967	"
.....	12.94	3.98	42.8	83.08	37968	"
.....	12.12	1.20	43.8	86.68	37969	"
.....	14.52	2.28	43.1	83.20	37970	"
<b>D. O'SULLIVAN, INSPECTOR.</b>						
.....	7.64	1.60	43.5	90.76	41699	Genuine.
.....	10.68	1.44	43.8	87.88	41700	"
.....	9.82	1.20	43.9	87.98	44884	"
.....	12.28	1.38	42.9	86.34	44885	"
.....	10.84	1.72	42.0	87.44	44886	"
.....	8.54	1.38	44.8	90.08	44887	Reichert Meissl, value = 22.21. Adulterated.
.....	13.20	0.66	43.0	86.14	44888	Genuine.
.....	8.96	3.60	44.2	87.44	44889	Reichert Meissl, value = 28.72. Genuine.
.....	10.44	1.92	43.0	87.64	44890	Genuine.
.....	8.02	1.94	43.3	90.04	44891	"
.....	11.90	0.62	43.2	87.48	44892	"
.....	8.76	2.96	43.1	88.28	44893	"
.....	11.60	1.10	43.4	87.30	44894	"
.....	12.50	3.04	43.3	84.46	44895	"
.....	10.46	2.50	43.8	87.04	44896	"