

The samples thus found to be adulterated with foreign fat from mere testing by the Butyro refractometer were the following:—

Date of Collection.	No. of Sample.	Name and Address of Vendor.	Name of Furnisher as given by Vendor.	Reading of Butyro-refractometer at 25° C. by A. McGill and Miss R. Davidson.
1907.				
Jan. 15	26098	Elz. Couture, 124 Caron St., Quebec.	Emond & Côté, Quebec.....	58° 3' 58" 8'.
" 17	26105	L. Letourneau, 33 Smith St., Quebec.	Oct. Jacques & Cie, Quebec.	57° 5' 57" 6'.
" 25	26151	F. Delisle, 131 Hermine St., Quebec.	Emond & Côté, Quebec.....	57° 5'.
" 25	26152	Dame N. L. Pouliot, 96 Kirouack St., Quebec.	" "	57° 8'.
" 29	26157	J. E. Julien, 1168 St. Valier St., Quebec.	Not known.....	57° 0'.
" 30	26166	F. Hebert, 191 St. Germain St., Quebec.	Emond & Côté, Quebec.....	57° 5'.
" 9	31732	H. Delorme, 253 Gain St., Montreal.	Not known.....	57° 8' 58" 0'.
" 15	31806	G. Bertrand, 1742 St. Catherine East, Montreal.	W. Champagne, Montreal...	57° 3'.

These eight samples were then submitted to the District analyst, Dr. J. T. Donald, Montreal, for further examination along with two of the doubtful ones, namely No. 26176 the refractive index of which was 54° and No. 31721 whose index of 48° 49' had been found exceptionally low. The readings in the case of the genuine samples at 25°C. were mostly about 52°, ranging from 49° 5' to 53° 3'. The analyses by Dr. Donald resulted as follows:—

No of Sample.	Vendor.	Moisture.	Fat.	Salt.	Curd.	Reichert—Meissl Value.	Specific gravity of fat at 100°C.	Opinion.
		p. c.	p. c.	p. c.	p. c.	No.		
26098	E. Couture.....	6.06	90.03	1.92	1.41	1.6	903.8	Adulterated, containing little if any butter fat.
26105	L. Letourneau...	8.32	85.81	3.44	1.60	1.4	895.6	" "
26151	F. Delisle.....	5.67	87.19	4.75	1.55	1.3	899.2	" "
26152	Dame Pouliot...	7.11	88.94	2.61	0.53	1.5	898.4	" "
26157	J. E. Julien.....	5.56	89.38	2.64	1.64	1.2	914.0	" "
26166	F. Hebert.....	5.83	89.00	3.08	1.19	1.2	909.0	" "
26176	H. Lapointe...	14.19	73.09	10.77	0.99	25.5	904.6	Genuine but High in salt.
31731	L. Allaire.....	10.55	86.15	2.21	1.08	27.6	907.7	Genuine.
31732	H. Delorme.....	5.80	90.05	2.22	1.39	2.0	900.0	Adulterated, containing little if any butter fat.
31806	G. Bertrand...	4.90	92.89	1.96	0.24	2.5	896.9	" "

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

THOMAS MACFARLANE,
Chief Analyst.