

## BULLETIN LXVI

### VARIATIONS IN THE FAT OF MILK TAKEN AT INTERVALS FROM THE CITY OF GUELPH SUPPLY.

It has been stated on apparently good authority that milkmen who dip from the top of the can, or who draw from the bottom through a faucet, do not give to each customer his proper share of the fat or cream of the milk and that in the case of "dipping" those who receive theirs last get skim-milk. It having been demonstrated that where dipping is practised there is practically no difference in the amount of fat contained in different samples, we determined to see whether there is any difference when the milk is drawn from the bottom as in the case of three of the four milkmen of the city of Guelph whose milk was tested as here reported.

**METHOD OF TESTING.** The fat was determined with a Babcock tester. In every case the milk dealers were requested not to depart from their ordinary methods. In all twenty-five samples were taken with the following results :

MILKMAN No. 1. June 2nd, 1891.

Sample.	Per cent. of fat.	Time.
No. 1	3.2	7.30 a.m.
" 2	3.2	8.40 "
" 3	3.1	9.50 "
" 4	2.95	11.00 "
" 5	3.05	12.20 p.m.

*Remarks.* (1). In this and in all the other cases the percentage of fat is the average of duplicates. (2). Sample No. 1 was taken from the bottom of the can after the milk had been driven about two miles,