

TESTING OF BY-PRODUCTS.

DETERMINATION OF THE PER CENT OF FAT IN SKIM-MILK AND BUTTERMILK.

Under the most favourable conditions of separation and churning of cream there is some fat lost in the skim-milk and the buttermilk. The Babcock test may be used to determine the extent of these losses.



Fig. 16.

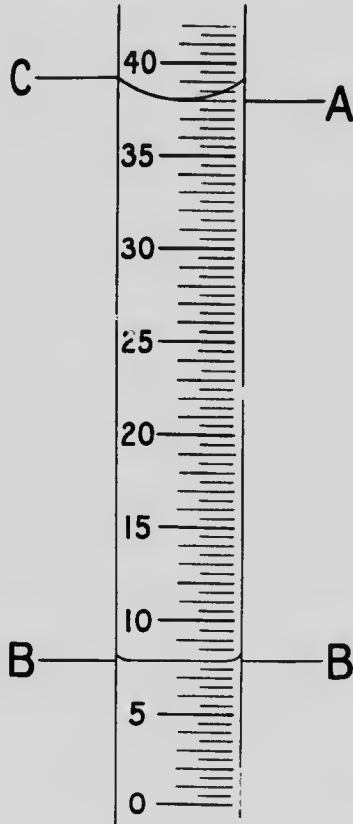


Fig. 17.

THE DOUBLE-NECK BOTTLE.

A specially constructed double-neck bottle (Fig. 16) is used. The larger neck is to admit the skim-milk or buttermilk and acid to the bottle and should be conducted down close to the bottom of the bottle. The smaller neck is graduated to read the percentage of fat. The older style of double-neck bottle was usually graduated so that the entire scale consisting of ten divisions represented one-half of one per cent of fat. Each division would, therefore, represent five one-hundredths of one per cent of fat.

Most double-neck bottles now on the market have either five or ten main divisions, each of which represents five one-hundredths of one per cent of fat and is subdivided into five equal divisions. Each small division, therefore, represents one one-hundredth of one per cent of fat.