

These are undisputable facts, and we hope every cheese maker and milk producer will give them a careful study. The reader will readily see that in factories where Jerseys and Guernseys are mixed with common cows the injustice might be much more marked.

There is another reason that will greatly tend to bring the cheese factories to pay by the test plan, where creameries and cheese factories are intermixed. And that is: Creameries will pay by the test, and draw all the rich milk to their doors, and factories will be compelled to follow the creameries' example or work at a great disadvantage.

3. Useful Hints to Cow Owners.

I. Buy a Babcock test and find out the real worth of your cows as "cheese maker" did for Farmer Jones and saved the life of a precious animal.

II. A four-bottle tester costs \$5.00 and if rightly applied to a herd of miscellaneous unknown cows (a farmer never knows a cow until tested) with the object in view of "weeding out" and "grading up," it may bring in, in a short time, its cost in a hundred fold.

III. Butter fat is money and the Babcock test will tell you where to find it. It will point you out which cows to keep and which to sell in ten minutes time.

IV. The Babcock test tells the story of the terrible loss of butter fat by the average gravity method. It has shown that the average loss in gravity creaming is about three-fourths pounds per 100 pounds of

milk. While in centrifugal creaming it is about one-sixth pound only.

V. Did you ever dream that a pound of butter fat is worth about one hundred and fifty times as much as a pound of skim milk?

VI. If you did, it must have dawned upon you by this time that it is a gross injustice to buy and sell them at the same price; which is done by the "weight only method" of pooling milk.

VII. Suppose you have ninety-seven pounds skim milk and three pounds of butter fat and your neighbor has ninety-six pounds skim milk and four pounds of butter fat. By the "weight only method" of pooling milk you both get the same price. Nevertheless 300 pounds of your neighbor's milk is worth as much as 400 pounds of your milk. And now you kick and squirm and grumble because the Babcock test has revealed this terrible injustice, and does not let you continue the draught on your neighbor's pocket book.

VIII. The writer has just completed a test from a sample of buttermilk taken from a farmer's churn, and it tested 3.2 per cent. fat. At the rate of sixteen and two-thirds pounds buttermilk per cwt. of milk (which is the rule under the Cooley system), this farmer keeps every sixth cow for waste in buttermilk. The Babcock test has told him this terrible story of waste, and he is now studying ways and means to stop the leak, and save the product of that sixth cow. Amen.

IX. The great worth of the Babcock test is in the following items: First—it reveals the great losses in

setting milk in the usual manner as practiced by most dairymen. Second—It points out the great losses which occur in churning thin cream at a high temperature. Third—It is the best cow herd purifier known to man. Fourth—It has shown and continues to show the terrible injustice of “weight only” pooling system.