

One hundred parts of milk are made up of about 87½ parts of water, 3½ parts of butter, 3½ parts of caseine or pure curd, 5½ parts of sugar, and less than 1 part of mineral matter. In cheese-making the design is to harden the caseine or curd, and to do it in such a way as to imprison globules of butter oil in the curd. To coagulate the milk, the cheese-maker pours a solution of "rennet" into the milk, and then begins the operation he does not understand—the "digestion of the milk. The curing of the cheese is regarded as a further process of digestion. Cheese factories, as they are now built, are great buildings supplied with steam power and with steam heating apparatus, and are altogether unlike the dairies of a quarter of a century ago. The cheese-maker is an educated workman; his associates, the dairymen, are scarcely inferior in knowledge, and it is said that the treasurer of a "factory association," himself a dairyman, must attain such arithmetical accuracy as to be able to demonstrate that it took 9 746-1000 lb. of milk to make 1 lb. of cheese, and that he who delivered 1 lb. of milk to the factory is entitled therefor to 1 274-1000 cents, at the then ruling price of cheese.

OLEOMARGARINE CHEESE.—The well-known Secretary of the American Dairy men's Association, Mr. L. B. Arnold, gives the "American Rural Home" an extended article on oleomargarine cheese. He does not believe this cheese was or is intended to take the place of whole milk cheese, and that he has never seen one which could not be as readily distinguished from whole milk cheese as shoddy from long wool. He also says that oleomargarine as used is derived only from animals slaughtered for food, that great cleanliness is used in making, and that the eight factories in which this cheese is made are models of neatness. He further claims that the addition of oleomargarine to skim milk enables the manufacturer to produce a cheese as digestible and wholesome as the average whole milk cheese, falling short, however, in a peculiar flavor. He concludes as follows:—"After a careful and unprejudiced scrutiny into all its bearings, I am unable to find any well-grounded objection to the manufacture and sale of this kind of cheese, in the way I see it carried on; and, since I see in it a much better use of skim milk than we have ever been able to make before, I feel disposed to encourage rather than oppose it. I make the following points in regard to oleomargarine cheese: 1. That it is easily distinguished from whole milk cheese, and hence is in no danger of disturbing, to any considerable extent, the sale of whole milk cheese in any quarter.

2. That it is as clean as any other product of the dairy. 3. That the addition of oleomargarine fat to skim milk is capable of making cheese rich, palatable, and nutritious, which would not be so without such addition. 4. That it enables dairymen to make a better use of skim milk than they have ever been able to make before. 5. That the chief merit in the use of oleomargarine in cheese making, lies in improving skim milk cheese, for which it is designed to be, and is, a legitimate substitute.—*Harper's Monthly.*

HALIFAX COUNTY AGRICULTURAL SOCIETY.

HON. SIR WILLIAM YOUNG, PRESIDENT.

THE ANNUAL MEETING of Members will be held in the Legislative Library, Old Province Building, on Tuesday, 5th December, at 12 o'clock, noon, when Reports for the past year will be presented by the Committees of Management, the Treasurer's Accounts will be submitted, office bearers will be elected for the ensuing year, and a member nominated to the Central Board.

GEORGE LAWSON, Secretary.

* * * Members who have not paid their annual subscription of \$1.00, are requested to send the amount to W. C. Silver, Esq., Treasurer.
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