July 29, 1908



utensils. Butter makers often make the mistake of thinking the churn clean, because it looks that way. But if left without a thorough cleaning and scalding after each churning bad flavors may develop and cause injury to the butter.

The patron supplying milk to a cheese factory, or cream to a cream-ery, and both the cheese and butter ery, and both the cheese and butter maker cannot, therefore, depend upon looks alone. They must make sure that everything is clean. Half way washing will not do. Thorough wash-ing and scalding are necessary in every case. It is the unseen things in dairying that do the most harm. These little infinitesimal things, they call bacteria, cannot be seen. If they could no one would have them lurk-ing around in milk pails milk cans. ing around in milk pails, milk cans, churns and vats to work their own sweet will. For this reason more than looks is required in cleaning all dairy utensils. A medium must be used that will reach these unseen that noose is required in cleaning an dairy utensils. A medium must be used that will reach these unseen things, and put them out of business, and that medium is plenty of scalding hot water. It will penetrate into all the cracks and crevices, and leave the thereils. utensils sweet and pure, as well as an in appearance.

Clean in appearance. If everyone who handles milk in any way could be made to realize this, and to act upon it, what a re-volution in the quality of our dairy products would be effected. Clean milk handled in clean utensils reans if moment keent and the milk handled in clean utensils re-mains clean if properly kept, and as-sures cheese and butter of the highest quality being made. The dairyman must go deeper than mere looks. A box of butter may look good, and also a cheese, and looks count for a creat deal to mith these. But hash area deal too, with these. But both may be far from being of prime quality. There must be something more than this, and that something can be attained by strict attention to cleanliness all along the line.

FOR SALE AND WANT ADVERTISING TWO CENTS A WORD, CASH WITH ORDER

CHEESE FACTORY FOR SALE. - Known as "Honey Grove," near Poole: twelve miles from Stratford. Capacity, one hundred tons. Good house and hog pens in connection. For further information hundred tons. Good house and in connection. For further information apply to, ALEX. F. CLARK, Poole, Ont. 0 8-25

The Canadian Dairyman and Farming World

Short Weight Cheese

There are always more or less com plaints from shippers of short weight cheese. These may be due to one cause and another, for which the fac-torymen are not always to blame. Mistakes may occur in balancing the scale, or stenciling the weights on the cheese, which may work to the advan-tage of the factoryman, and somecacese, which may work to the advan-tage of the factoryman, and some-times not. Cheese shipped green will lose greatly in weight before reach-ing the old land. ing the old land. This season these complaints have

been more serious, and it may be possible that some factories are not possible that some factories are not doing the fair thing in the matter of weights. The Montreal Trade Bulle-tin of last week publishes a letter from a Bristol importing firm, in which some Canadian makers are blamed for systematically perpetrat-ing fraud in weighing cheese, or in marking the weights on the boxes. This form time accuse where a chease This firm cites a case where a cheese marked 82 lbs., only weighed 70 lbs., marked 32 105., only weighed 70 105., or a loss of ten pounds or more to the buyer. The Trade Bulletin also cites several cases of shortage in, weight. In one lot of 32 boxes ther was a loss of 110 bs. In another lo 14 boxes, 7 boxes lost 1 lb. each, one box: 11 hs, and 6 boxes holding out O. K. Another lot of 29 boxes showed a loss of 37 lbs.

a loss of 131 lbs. Cheese will shrink some in the shipping but when it comes to loss-es like those quoted the natural shrinkage in cheese will not account for them. Factoryme nor makers will gain nothing in the long run by en-deavoring to give short weight. Straightforward dealing is the only safe course. Every factory should give good, honest weight in every box of cheese shinned. When cheese are of cheese shipped. When cheese are shipped a week or two from the hoops some allowance should be made for shrinkage. In some places it is the box of the actual weight. With well cured cheese it is hardly the fair thing for the buyer to demand this thing for the buyer to demand the of the factories. If every factory had given fair and honest weight in the past, perhaps this practice would not have become the standing rule. But it is better to do this than to have reports coming from the trade in Great Britain that our makers are defrauding in the matter of weight.

Getting Rid of White Whey

Is it possible to make Cheddar heese with no loss of white whey? how can it be prevented? These How can it be prevented? These are questions asked and answered in a recent issue of the New York Pro-duce Review and American Creamery. One of the answers, by William Win-der, a Wisconsin cheese maker, is given below. We would be glad to have the experience of Canadian mak-

ers on the points discussed: "In answer to the first part of this question, I would say, yes. How it may be done would require rather a lengthy paper. There are many con-ditions when it is an impossibility. ditions when it is an impossibility. The first requirement is a vat of sweet milk free from any bad odors or taints, a small quantity of good com-mercial starter—say 56 per cent.— added to the milk, and then set suf-added to the milk, and then set suf-development of acid to insue a suffic-development of acid to insue a suffic-development of acid to insue a suffic-tion time for a good cook. Raise the temperature to the cooking point in t hour and 40 minutes or thereabouts. In commention Year norms and song parts apply to ALE . F. CLARK, Peele, Ont. POF SALE Morry dame factor, Sins. If the acid development is about right in more the curd should be ready to remove inchouse and four serve hand. Make in the curd should be ready to remove inchouse and four serve hand. Make in the curd should be ready to remove inchouse and four serve hand. Make in the curd should be ready to remove inchouse and four serve hand. Make in the curd should be ready to remove inchouse and four serve hand. Make in the curd should be ready to remove inchouse and four serve hand. Make in the curd should be ready to remove in the curd should be ready to remove is an excellent one. There is an plea-toring a commodation, and it is kept to ready the should be ready to remove is an excellent one. There is a bout is a commodation, and it is kept is cheese a day. The patrons of this factory are up-the above acidity quickly get the curd factory. "I very eldom get a can con an engortanity of meetings a large Brit-toring and quite dry feeling. A hand. Boak to the farmer. I have never

ful will require quite a little pressure to expel any moisture if the curd is in proper condition. This may rein proper condition. This quire four or five times stirring quire four or five times stirring through with short intervals for drain-ing, but it is not a difficult matter if well cooked and the proper amount of acid at dipping. Pile curd 6 or 7 inches deep evenly over sink and when well matted-probably 20 min-utes-cut into strips of 6 inches wide and turn, leaving an inch or more

and turn, leaving an inch or more between each piece. "In a short time, or as soon as the underside of curd has faced up so as to pick up all loose particles, turn again. It may be left single or if real firm and dry two deep will be all right. Turn at intervals until ready to mill. Two deep will be suffi-cient. Mill with 1% to 1 inches of acid on hot iron or about .75 per cent. ad depth of 6 or 8 inches. If curd is rath-er too stiff and firm a trifle higher pling will not hurt, but is not usual-ly necessary if conditions are favor ly necessary if conditions are favor-able and the curd has been properly handled. A curd of this kind will get ready to salt quite quickly, and I have had them when no moisture would drip from vat or sink until salt was "The finest cheese I ever made

were made in the way I have just described. Perfect as to texture and described. Period: as to feature and closeness and ready for the market in the same length of time as curds worked in the more moist and more general style. These firm curds, of course, require lighter salting. I do not say that one can keep from hav-ing white when dow ofter day as ing white whey day after day, as common conditions will not permit it. Under proper conditions it is not only possible, but the finest results can be obtained."

The Acidimeter

The acidimeter is rapidly coming to be recognized as a great aid in almost every step of cheese making. in By its use the percentage of acid is determined in the milk and the proper time of adding rennet is known. It shows also when the whey should be drawn, when the curd should be milled, and when other operations should take place. Thus it is seen that the acidimeter may replace the rennet and hot iron tests, and it serves other useful purposes as well serves other userul purposes as well. It is not advised, however, that the other tests be forgotten, as they are useful in connection with this latest one. The acidimeter is extensively one. The acidimeter is extensively used by the largest and best conduct-ed cheese factories in Canada, and quite a large number throughout the United States.

United States. The state college has lately issued a little circular entitled "Some Essen-tials in Cheese Making," by Prof. Publow. It contains as much good solid information in its limited space as could possibly be included.—New York P. R. and A. C.

An Up-to-date Factory

"We, in Central Smith, consider that we have one of the most up-to-date and commodious cheese and butter factories in Eastern Ontario," said Mr. A. H. Campbell, cheese and but-ter maker for the Central Smith fac-tory, and I can bear out in every articular what he says. The factory is beautifully fitted with all the lat-est improved machinery, and as clean as it well can be. The curing room



13

known one to complain on that score yet as they realize that one can of bad milk spoils the whole vat, and that t all the patrons suffer through fault of one.

that all the patrons suffer through the fault of one. "Monday is our best and busiest day as we then have to handle the Sua-day"s mik, but I find that it is in the best of condition, as the patrons gen-erally keep in nicely cooled, and so it arrives at the factory in good order." The general condition of the fac-

arrives at the factory in good order." The general condition of the fac-tory reflects great credit on Mr. Campbell, both as a cheese and butter maker. It is a pattern of cleanliness. Mr. Campbell at one time lived over the factory, but the pattorne have completed a five newser. time lived over the factory, but the patrons have completed a fine new re-sidence for him with all improve-ments, which he greatly appreciates. He thinks The Canadian Dairyman and Farming World is a fine paper, and has taken it for quite a while. He intends to get as many subscribers for us as possible.—F. E. Durieu.

Co-operation among the proprie-tors of creameries, cheese factories and city milk supplies will tend to bring about cleanliness among patrons, and the use of better utensi

FOUNTAIN PEN FREE. A 14 kt. Cold Fountain Pen will be given to any person who secures only one new subscription for The Canadian Dairymar, and Farming World. These pens are guaranteed to give satisfaction. Try and win one.

What part of Cheese-Making is more important than salting the curd? On this depends the flavour-the even colour-the keeping quality-the texturethe market-value.

Pure, dry, well-savoured salt-that dissolves uniformly, staying in the curd -makes cheese all cheese ought to be.

