Creamery Department

s to this department, to ask questions on ters relating to butter making and to sug-subjects for discussion. Address your irs to the Creamery Department.

The Preparation and Care of Culture

Concluded from last week

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Mistakes are often made in taking
too long a time to beat the milk.
The cans are placed into a tank or
harrel, the steam turned on and let
boil for several hours without stirring, which often gives the milk a
burnt flavor, also too long a time is
taken to cool them to 60 or 75 degress, from 185 or 180 to 100 dehrees. I do not think any serious
trouble will start, but I am of the
opinion that where cultures are left
standing at a temperature anywhere opinion that where cultures are left standing at a temperature anywhere from 100 to 70 degrees for a long time uncovered before being inoculated with the pure lactic acid germ.
the undesirable germs have every
chance for reproduction. If makers
would provide themselves with a good would provide themselves with a good pasteurising box, also cans as pre-viously described, and have the water heated somewhat before placing the cans of milk in the box, it would not take much time for pasteurising, and better results would be obtain-ed I have found that where the

and better results would be obtained I have found that where the
making of cultures involves a lot of
time and work, it is often done in
a very haphasard manner.
Good milk selected at
the weight
porch, of the selected at the weight
porch to 185 degrees, and cooled immediately to 85 or 70 degrees, should
give us a medium to be ready for
inoculation. We find it necessary to
propagate the culture several times
before using, and sometimes we find
the starter with not the best of flavor and needing further propagating.
A possible explanation is, that each
organism must become sadpted to the
medium in which it grows before it
gives its characteristic door or flavor
in that medium. The cultures, as sent.
contain the organisms in a more or contain the organisms in a more or less dormant condition. These or-ganisms regain their vigor and in-crease their acid-forming properties after several propagations.

No hard or fast rule can be laid down to the temperature or the amount of mother culture to be used. amount of mother culture to be used. It will depend somewhat on the length of time from making till using, and the temperature at which it is held, but no more should be used than will give the desired acidity. By testing the acidity from day to day, the maker will sook now how much mother culture to add to produce the amount of acid required when ready for use, but I would prefer using a little more mother culture and growlittle more mother culture and grow-ing it at a low temperature, than to use less culture and hold it at the to use less culture and noid it at the higher temperature to ripen. A smoother texture and better flavor will be secured, and there will be less danger of over-ripening.

Liquor and Tobacco Habits

A. McTAGGART, M.D., C.M. 75 Yong Street, - Toronto, Can. References as to Dr. McTaggart's profess-tal standing and personal integrity permitted

Sir W. R. Meredith, Chief Justice. Hon, G. W. Ross, ex-Premier of Ontario, Rev. N. Burwash, D.D., President Victoria lears.

Rev. Father Teefy, President of St. Mich-'s College, Toronto. s College, Toronio. Right Rev. A. Sweatman, Bishop of Toronto Rev. Wm. McLaren. D. D., Principal Knox

College, Toronto.

Dr. McTagart's Vegetable Remedies for the Liquor and Tobac o Habits are healthful. No hydodermic injections, no publicity, no loss of time from business and a certainty of cure. Consultation or correspondence invited.

We find that when a culture has from .05 to .75 and not over .80, it gives the best results.

We are reminded that the underripening of starters is just as important to guard against as overripening of starters is just as important to guard against as overripening of starters is just as important to guard against as overripening. Frof. McKay tells us that about the time milk begins to turn over the control of the control o

Little oversights are generally the beginning of serious mistakes. The time has come when we must study our cultures more, to know what to lo with them, and what they will do for you. If you get a good culture or a poor one, you must know just what you are going to get from the sults you are going to get from the proof and the sults you are going to get from the proof and the sults you are going to get from the proof and the sults you are going to get from the proof and the sults will be supported and a benefit to the dairy industry.

used, has been found a benefit to the dairy industriant paper was prepar-ed by Mr. E. H. Hart, Dairy In-structor, Ingersoll, Ont., to be read at the convention of the Western On-tario Dairymen's Association Owing to a sovere cold, Mr. Hart was unable to read the paper.

Cheese Exporter's Views on Whey Butter

Whey Butter

Editor, The Canadian Dairyman and Farming World.—We cannot understand how patrons can be temptted into the manufacture of "whey" butter, unless they want this butter produced for their own table use. None in the cities was the produced for their own table use. None in the cities was the constant of the content of the cont

FRICTIONLESS

CREAM SEPARATOR The Bowl Spins on the Balls Just Like a Top.

By the ingenious arrangement of the three balls of our bettom Frictionians Bearing, the lowel of the "Empire" is always kept perfectly balanced, because the sponder of the spindle sets between the three balls and automatically adjust itself to the proper centre. The lowel spins on these balls plat the sponder posses. The absence of vibration is one reason why the "Smitzer" is the asset running posses. The absence of Any wear that occurs is taken up by the point of the spindle which is the only point of contact. At the point of the spindle is removable, it can readily be ensewed, and at triffine cost. Also the contract of the spindle which is the only point of contact. As the point of the spindle which is the only point of contact. As the point of the spindle which is the only point of contact. As the point of the spindle which is the only point of contact. As the point of the spindle which is the only point of contact. As the point of the spindle which is the only point of contact the co

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can't get out of place.

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machine for Butter Dealers. Address

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did not understand it until after we had found that the reason was that they were making "whey" butter.

A. A. AYER & CO., Limited. Montreal, Que.

Cheese Factories and Creameries of Canada

of Canada.

The finest piece of work that has been turned out by the Dairy Division of the Dominion Department of Agriculture has just come to hand in the form of severall maps showing the cheese factories and creameries of Canada. The work is high class and very complete. These maps should prove extremely valuable. Not until one sees them is it possible to gain any idea of the immense number of factories in Quebec and Eastern Ontario. The factories are shown on the map The factories are shown on the map in such a way that it is possible to tell the cheese fatories from the butter factories. The Dairy Division is to be congratulated upon this piece of

Go Slow on Whey Butter

Dairymen should go slowly in the development of the whey butter busi-ness. In Eastern Ontario there is considerable agitation looking to the formation of companies for the manu-facture of this product. Our advice formation of companies for the manufacture of this product. Our advice is to wait awhile until the question has been thoroughly investigated. While one or two individuals claim to have made a success in this line, it has not been clearly established yet that the business is a feasible or a profit-

able one. The making of whey butter is not a new idea. Some years ago it was a constant of the second of the secon

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der ordinary market conditions? It has not the keeping qualities of the genuine article and would have to be consumed about as soon as made.