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ward Co. Ont.

One cannot give definite directions as to the proper courning temperature. It depends on several conditions, the depends on several conditions, the depends of which is the ripeness of the cream of the cream of the cream of the cream is, the extent of the food of the cow, the extent of the food of process of the cream. The riper the cream is, the lower will be the the cream the which it can be churned. The turner at which it can be churned the cream of th

summer. In winter the temperature should be from 60 to 63 degrees for the same cream. In creamery practice (whole milk creameries) cream is usually kept for 24 hours before churning. The cream is the control of the cream is kept too long before churning. Most cream is kept too long before a control of the cooled down and kept at a temperature of 52 degrees. It may then be kept for from three days to a week.

The chances are that the cause of the butter coming soft is that the cream has been too thin and has been rounded at too high a temperature. In the chances are creament and the cream is the cream in the cream is too the control of the butter coming soft is that the cream has been too thin and has been cream has the cream that is not cooled in he weather, will give such results.

wills. A single weather, will give such rewills. So some milk in any cream.
For churning on the farm cream
for churning on the farm cream
should be taken from 25 to 30 per
cent, for the creaming 35 per cent.
For churning on the farm will right will the
cent for 24 hours. Then well right
for having much milk in the cream
for in small churns a 30 per cent. cream for in
small churns a 30 per cent. cream
would have to have some water added
to it in order to get the butter to
come properly.—J. F. Singleton.
Creamery Instructor, Eastern Oncreamery Instructor, Eastern On-

The Home Pasteurizing of Milk L. A. Rogers, Bacteriologist, Dairy Division, Washington, D.C.

Division, Washington, D.C.

Mik delivered in cities in the summer months frequently contains bacteria in such large numbers that it is
not a safe food for children, especially
for initants whose food consist entirely
of milk. In many cities a special
milk can be secured, but this is sometimes difficult and always involves adtimes difficult and always involves
ditions, expense. Under such circum-

periodicals and books is within the ceach of every farm family. Whoever seeks it will find it.

Creamery Department

**Butter Makers are invited to seed contribute to be consumed by small children. The pasteurization should be done in such a way that disease-producing bacteria as well as those likely to produce in estimal disturbances are destroyed without at the same time injuring the flavor or the nutritive value of a milk. This may be accomplished milk. This may be accomplished in the proper temperature for craam to churn? Itope temperature for craam to churn? Itope temperature for crame to coming so soft that it has been to coming so soft that it has been to coming so soft that it has been to character of the food of the area. Other and the proper comming temperature. It depends on several conditions, chief of which so make the proper comming temperature. It depends on several conditions, chief of which so make the proper comming temperature. It depends on several conditions, chief of which so make the proper comming temperature. It depends on several conditions, chief of which so make the proper comming temperature. It depends on several conditions, chief of which so make the proper comming temperature. The capetal of the capetal of the conditions of the

an inverted cup.

After the milk has been held as directed it should be cooled as quickly
and as much as possible by setting
in water. To avoid danger of breaking the bottle by the state of the same of temperature, this could be warm at first. Replace about of
water affects for the cooling, milk should in all cases be
held at the lowest available temperature.

Dairy Meeting at Peterboro

Dairy Meeting at Peterboro
All that kept the Peterborough district meeting of the Eastern Dairymen's Association, held at Peterborough on Wednesday, November Brd,
held the Brd of the Brd of the Research
held the Research

milk.

The composition of milk, and the uses of the various constituents in cheese making, formed the main part of the address given by Mr. Singleton. This address was pointedly il-

WARNING to Dairymen De Laval Cream Separators ARE LARGELY IMITATED BUT NEVER EQUALLED See that the name "De Laval" is on the machine you buy Send for Free Book THE DE LAVAL SEPARATOR 173-177 William St. MONTREAL VANCOUVER WINNIPEG

ustrated by means of samples of the various constituents in their relative quantities, each constituent being in an individual bottle. Other subjects touched upon by Mr. Singleton were the care of samples, the matter of paying by test and some discussion relative to the creamery business.

Information of interest to farmers locally was brought out by Mr. H. C. Duff. He dealt briefly with the work that he is engaged in and spoke of the advantages of the Farmers' Institute Clubs. A club has been alsitude Clubs. A club has been alsitude of the same of the advantages of the same and salesmen as leaders in their random salesmen as leaders in their random salesmen as leaders in their random the formal salesmen as leaders in their assistance wherever possible.

ings have been arranged for as fol-

various constituents in their relative quantities, each constituents in their relative quantities, each constituents in their relative quantities, each constituent in their relative quantities, each constituent in their relative quantities, each constituent being in an individual bottle. Other to constitue the care of samples, the matter of period of the care of samples, the matter of period in the constituent of the care of samples, the matter of period in the care of the care of samples, the matter of period in the care of the care of samples, the matter of period in the care of the ca

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