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*Part of an address at the Ontario Win-er Fair, Guelph.

Cheese Department

Makers are invited to send contributions matters relating to cheesemaking and to this department, to ask questions on matters relating to cheesemaking and to interest the cheese matters to The Cheese The Matters to The Cheese The Matter to The Cheese The Matters to The Cheese Th

er cent. fat		Lbs. chee
in milk.	100 lbs. milk.	per lb. fa
3.5	9.54	2.70
4.0	10.36	2.57
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The range in milk-fat percentages at factories will probably be from 3 to 4.5 per cent. This difference in fat content, makes a difference of about two pounds more of cheese a 100 lbs. of milk in favor of the milk testing 4.5 per cent. fat. We thus see the absurdity and injustice of basing cheese values upon weight of milk only.

The second system in use among perhaps less than 25 per cent. of the cheese factories of Canada, is that known as the "test" plan, or of basing values upon one milk constituent, the fat. This system was advocated about the time the Babeock test for fat was brought to the attention of dairymen in 1890. This test was halled with delight by Canadian factorymen, and it has undoubtedly been of great assistance in developing the dairy industry of Canada. STRAIGHT FAT TEST

adian factorymen, and it has undoubtedly been of great assistance in developing the dairy industry of Canada.

As usual with a new thing, some extravagant claims were made for this test, among them that it determined the value of milk for all purposes. Some of the leading men connected with the science and practice of dairying in both Canada and the United States were carried away by this new-found dairy helper, and the country was flooded with 'first' literature on dairying, while dairy orators vied with one another in praise of the inventor and in making absurd claims for its effect upon the morals and practices of dairymen. Far be it from us to with great the same proposed that time till the cheeses are held 10 days and some twice as long."

One of the greatest advantages of a cool curing room is a great enot bound to accept as truth all that any man may say, be he ever see that as the precentage of fat in the milk increased, the yield of cheese pround of fat in the milk decreased.

For THEORY NOT PERFECT

Referring again to the table, we see that as the precentage of fat in the milk increased, the yield of cheese pround of fat in the milk decreased.

Our collection of the colle

great and learned.

NAT THROWN NOT PERFECT
Referring again to the table, we see that as the percentage of fat in the milk increased, the yield of cheese per pound of fat in the milk decreased. On this point science and practice agreed. Science says that as cheese is made from two milk constituents, fat and casein, one of these alone cannot be used as a basis for determining cheese production from milk with varying percentages. of that constituent. In practice we

time and at one operation. The man who does this will deserve the thanks of dairymen in all parts of the world. In the same of dairymen in all parts of the world. In the same of dairymen in all parts of the world. In the same of dairymen in all parts of the world. In the same of dairymen in all parts of the world. In the same of dairymen in all parts of the world. In the same of the control of the world. In the same of the world of same of the world. In the same of the world of same of the world. In the same of the world of the world of same of same

board."

An up-to-date cool curing room is only one of many commendable features of the Central Smith factory. Every facility is afforded that will enable the maker te make the finest cheese. Whey butter is made and sold to the patrons and is considered a profitable method of utilizing the a profitable meta

Educational Work Needed

"During the last week, I have inspected 3,500 cheese at various factories and they were all of uniform
quality and texture," said Mr. G. A.
Gillespie, a prominent cheese buyer
on the Peterboro Board, to an editor of Farm and Dairy recently. "The
Dominion and Provincial Governments in regard to dairying has been
such that practically all of our cheese
makers are capable of producing
first-class cheese." Other buyers have
supressed themselves similarly as to
the partners of Agriculture.
Perhaps and the selection of Agriculture.
Perhaps and the selection of the cheese
was the favorable result of the educational work
more in evidence his year than in
the cheese exhibited.
The greatest field new open for a
further improvement in the quality of
our cheese lies in educating the patron to deliver milk of better quality.
Educational work among patrons can
be carried on by the makers themselves with profit to both patron and
maker. Winter offers exceptional oppertunities for carrying on this work
as there is not so much to do in the
factory.
Makers who have hither to made no "During the last week, I have in-

We have no cool curing rooms down through this county and consequently we have to make a pretty hard cheese, one with good body in order to have it stand up in hot weather.—Henry H. Rennie, Dundas Co., Unt. [Php. 61.27 Monroe St., 27 Monroe St.,

How Long Should a CREAM SEPARATOR Last?

It Depends Upon The Kind The average life of the common "peddler's" ype of cream separator is one year; many of them sarely hold out for three months; others for six; ut this gives the "peddler" p'enty of time to get this money before the buyer discovers his mistake.

SHARPLES TUBULAR Cream Separators



ARE GUARANTEED FOREVER, and thousands of them, sold ten years ago, are giving perfect service to-day. Tubulars are built right, by a manufacturer who knowshow; who has had thirty years' experience. That's why they last.

Be on the safe side. Get a Tubular in the first place. Then you will have The World's Best separator, per-fect satisfaction, and no expensive mistakes to regret.



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\$100, Silver and Bronze Medals, prizes for Dairy Herd Competition.

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