Keeseseseseseseses Cheese Department

Cheese Department
Makers are invited to send contributions to
this department, to ask questions on matter
relating to chesemaking and to suggest ask
jets for discussion. Address your letters to
The Cheese Maker's Department

An Eastern Instructor's Method

An Lastern instructor's internoo J. B. Lowery, Dairy Instructor, Has-tings Co., Ont. In making September cheese, there are several things necessary. Purc, clean, sweet milk, should be provided it should be from healthy cow, milk-It should be from healthy cows, milk-ed in a cleanly manner, with clean, dry hands. It should be cooled down, (especially the night's milk), to at least 65 degrees, immediately after milking.

When in vat, the milk should be heated to 86 degrees; add ½ to 1 heated to 80 degrees; add % to 1 oz. of pure culture starter to assist in bringing about the desired fermentation. Then add sufficient rennet of some good brand to coagulate the milk in about 25 minutes. After cutting stir gently for about 10 minutes before adding the steam. Take about 35 minutes to cook the curd up to 100 degrees to 104 degrees, according to 100 degrees to 104 degrees, according the starters and the starters are considered to 100 degrees to 104 degrees, according to 100 degrees to 104 degrees, according to the richness of the milk. The curd should be well cooked before it shows .18 per cent. of acid by the al-kali test. The whey should be drawn shows to be should be drawn that the stage, or before this, if the var is full. The time elapsing between setting and dipping should be tween setting and dipping should be tween setting and dipping should be should b about three hours. Stir the curd sufficiently dry. This is when good judgment is needed. The curd should be stirred too much or too little.

After stirring pack the curd along the sides of the vat. In about 15 or 20 the sides of the vat. In about 15 or 20 minutes cut it into strips 6 to 8 inches wide and turn over; keep turning it over until it is ready to mill. The time to mill curd after it is packed, depends largely upon the moisture the curd retains. In normal working the curd retains. In normal with the curd retains. In normal will be milk it usually takes from 2% to 3 milk it usually takes from 2 milk it hours. After milling, stir well, and keep the curd stirred occasionally for one hour before salting. This is another point where good judgment is needed.

I find it is an advantage and an im-I nno it is an advantage and an improvement on some curds, to add a little of the salt shortly after milling, say % to % of the total amount. I would use from 2% to 3 lbs. of salt per 1,000 bs. of milk, according to the moisture in the curd, and richness of the milk. I approve of maturing of the milk. I approve of maturing the curd in the salt at least one hour, and some curds longer. After the salt has been well stirred in, pile the curd up deep. When it is put into the hoops, cover them and let the curd stand for a core of the salt has been well stirred in pile the salt has been well stirred in pile the curd stand for a core of the salt has been well as the salt has been well as the salt has been well stirred in the salt has been well stirred in the salt has been well as the salt has been well as the salt has been well as the salt has been well stirred in the salt has been well stirred in pile the salt has been well stirred in pile the salt has been well stirred in pile the curd well as the salt has been well stirred in pile the curd well as the salt has been well stirred in pile the curd well as the salt has been well stirred in pile the curd well as the salt has been well stirred in pile the curd well as the salt has been well stirred in pile the curd well as the salt has been well stirred in pile the curd well as the salt has been well stirred in pile the curd well as the salt has been well stirred in pile the curd well as the salt has been well stirred in pile the curd well as the salt has been w hoops, cover them and let the curd stand for 35 or 40 minutes before turning the followers down. Do not put the full pressure on for a while. Apply it gradually. In about one hour take the cheese out c. one hoops and dress them nicely. Make a good finish on the cheese, so that they will look attractive on the shelves. Press cheese two days.

After the cheese is made from good milk, in a clean factory, by a clean cheese maker, there should be a good curing room to cure them in: one that can be controlled, both temperature and moisture.

Enquiries re Acidimeters

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Enter Farm and Dairy — In your valuaties for the Market St. I note an article,
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The deal of having it right across touching each side. By piling and across touching each side. By piling the carcine in the derive, the curd in the derive, the curd in the centre, the curd

is not used to any great extent in this country. The Stewart Acidimeter, costing about \$4.50 is universally used in this country for determining the acidity or ripeness of milk. If the alkaline solution is correct, as well as the indicator used, this is a reliable test for acidity both of milk and in the different stages of cheese making. Any of the supply houses advertising in Farm and Dairy have acidimeters

TO MAKE THE CURD TEST TO MAKE THE CURD TEST
With regard to the pin holes, these
are usually caused by gas in milk.
The bacteria enter through unclean handling, either with particles of manure, dust from the stables, or in numerous other ways. The curd-test numerous other ways. The curd-test is made by taking a sample of the milk, is 5 or 6 oz., and a few drops of rennet extract is introduced while the milk is at 86 degrees, when congulation takes place. The curd is cut with a sterilized knife, and the sun is placed sterilized knife, and the sun is placed. sterilized knife, and the cup is placed in warm water at a temperature of 98 to 100 degrees. This temperature is maintained for three of four hours when the whey is poured off. The cup is again placed in the warm water the temperature maintained for several hours, the whey which comes from the curd being poured off oction the curd being poured of oc-casionally. This allows any bacteria present in the milk to develop in the curd. If any bacteria is present that will cause gas, they will show in the curd either through pin holes or little curd either through pin holes or little gas holes as the case may be.

So far as the patrons are concerned the first essential is clean water for the first essential is clean water for the cows, clean milking, and the milk cooled down below 70 degrees by plac-ing the can in cold water immediate-ly after milking without any dipping or acration. The whoy should be prop-erly pasteurized at a temperature of 155 degrees.—Frank Herns, Chief Dairy Instructor for Western On-tario.

Experiences of the Season

Ed. Farm and Dairy,-Owing to Ed. Farm and Dairy,—Using to the present very dry weather, the supply of milk is dropping off fast and as corn and offer feeds are late, there is not much prospect of a heavy fall make. This, naturally, has created an agitation among farmers to put in more fodder crop for dry weather. As a result, next season we will be better a result, next season we will be better a result, next season we will be better prepared for the inevitable. The qual-ity of milk has been above the average this season which may be largely at-tributed to the pasteurizing of the whey at the factory. No one would want to go back to the old system of sour whey. Every farmer is highly in favor of it.

Pasteurized whey is clean, tanks are more easily kept sweet and it is strongly urged that every factory should instal a system of pasteuriza-

tion.

I find that it is always easier to make cheese when dipping on the sweet side, say from 16 per cent. to 17 per cent. acid in two and a half to two and three quarter hours, from time of setting. By dipping sweet it is easier to draw the curd, thereby making a more sliky texture and a better bodied cheese. In no one case is alwisable to mill before the curd is alwisable to mill before the curd is alwisable to mill before the curd is the control of the drainer and of having it right across touching and of having it right across touching and of having it right across touching the control of the c

It pays everyone to return bad milk. I find it the only permanent way to get first-class milk. We have no cool curing room, but are making plans in that direction for next season.— Wm. Reid., Gala-bank C. and B. Fac-tory, Lambton Co., Ont.

Nuggets of Dairy Thought

At the time of the visit last summer of the members of the Canadian Jersey Cattle Club to the Canadian Dersey Cattle Club to the Long from M. H. D. Duncan, of the Long from H. H. Dean, of the O.A.C., Glowing are average from it. are extracts from it:

"A man may be ever so good, even a local preacher, but if he does not make money out of his farm or his business men say that he is a failure."

"It is an easy thing for us Government officials to draw Government salaries. When, however, we get out on the farms and get in touch with practical farmers who are working out practical problems in a practical way, we see that the world is going forward elsewhere as well as at the col-

"While we are constantly hearing people say that the price of cheese must go down and that the people of England won't pay the prevailing high prices, still we notice that the price. The fact is cheese is one of the cheapest foods that the people of England can buy even at present prices."

"Where farmers have the proper appliances and a good home market, appliances and a good home market, butter making is a profitable business but it is hard on the women. The selling of cream relieves the women of a great deal of hard work. It keeps the skim milk on the farm and returns the fertility to the soil."

"Women are the hardest workers on our farms. Their work is never done." . . .

"When I was in England I found When I was in Engiana I would that the butter most prized was the French rolls from Normandy, done up in fancy packages with great skill. Then came Danish, Norway, Swedish, Canadian and Siberian and New Zealand. It was humilisting to find that It was humiliating to find that and. It was numinating to and that our butter was only on a level with that from Siberia. We think that we are superior to the people of Siberia but our butter product does not show

"The secret of success of the Danes is pasteurization."

"The shipping of milk to the cities is a profitable branch of dairying but it has its serious draw-backs. My opinit has its serious draw-backs. My opin-ion is that the people who supply milk for our cities must in the supply milk for our cities must in the ar-future furnish better milk, and it must be from cows that are free from tuberculosis, and that are milked in clean stables. The hacterial content of milk must be bacterial content of milk must be greatly reduced."

"City people if they want better milk must be prepared to pay more for it. The health of the family is of far more importance than a paltry few cents a quart more for milk."

"We must have better cows and better men to handle them."

"There is a great future for the Jersoy cow, if she will convince the man on the farm, by actual test, of her capacity to produce large quantities of milk or butter. I am afraid

that in the past Jersey breeders have given too much attention to fancy points and not enough to increasing the producing qualities of their cows."

"Our dairy farmers to-day must be shown by actual test what cows are capable of doing. No logger can our breeders give guesses as to what their cows are doing. They must be able to prove their statements."

'I heard a discussion once as to "I heard a discussion once as to which was doing the most good for the country, the Agricultural College or the press. The college is doing good work but it reaches comparatively the press. The college is doing good work but it reaches comparatively few. The press reaches the masses. Bacon said, "Reading maketh a full man." Our farmers should read more and work less. In the past the im-portance of manual work has been over emphasized."

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How often a farmer can make use of a good field gias, needs something at the other end of the farmer and the can be accorded to the what it is. He can set a cannot make out wait it is, the can set a cannot make out waiting the length of the farm if he should be considered the cannot be considered to the canno



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