The Dairy.

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Rennet.

The dried stomach of the calf, the pig, and the lamb may be included in the definition of the term "rennet," these being the only stomache here me! in choose-making that we are aware of the atomich of the calf is the main dependence for curding mick for choose, but that of the pag has our times been substituted with good effect. The stomach of the lamb makes a very fine flavored cheese, but is weak compared with the others, and is little used.

The mode of preparing an I preserving the stomach, and ago of the animal from which it is taken, excit a marked influence on the characteristics of the cheese made with it. The rennet of the young calf makes a soft tish cheese , that, f the full grown animal makes a hard and dry one, and between these extremes the effect varies according to the age of the animal. The stomach of the calf four days old makes a color cheese than when four weeks old, and very much softer than when four months old. That age is best at which it will make the most cheese, and that is when one week old or less. It is often a apposed that the rennet of a calf four to six weeks old, because it is larger, will curdle more milk than a young reac, but experience has proved otherwise. With the page it is different. The stomach of the pig is good from three to six months old, or even a year. The stomach of the lamb appears to be effected the same as the calf. Our experiments with lamb's remact have not been extensive enough to determine us character at all ages, but in those made, the younger the animal the better the effect. The stomach of the calf loses its power and quality very rapidly as soon as it begins to eat solid food, and that of the lamb probably does

Calves' and pigs' rennets affect cheese quite differently; that of the pig makes the ruher cheese, and is better adapted to milk that is skimmed or partly skimmed. It acts more efficiently in breaking down the tough structure of the curd than calt's rennet Mixed together they make an excellent preparation for cheese in creameries.

The stomachs only of healthy annuals should be used. Lake the virus in vaccination, they carry into cheese the influence of every disease the animal may be afflicted with

To produce the best effect, the call should be about five days old. It should be kept, at any rate, till its system has undergone a complete renovation, and comeentirely under the influence of the good milk, and its exerctions assume a natural and healthy appearance. This can be determined by the action of the bowels.

bowels.

It is best to let it suck two good meals a day, but it should not be glutted. The last meal is better to be rather light and then let it go 18 or 20 hours without fool before slaughtering. It is a good plan to let the call have a light supper and then fall about noon the next day. It is best to go just long enough to get the stomach about empty and free from eard Some keep them 24, 36, and even 48 hours without food, but this is both crued and injures the quality of the remet. Some increase may be made in the stomach becomes affected and injures the quality of the remet. Some increase may be made in the strength by such starvation, but what is gained in strength is lost in quality. A call chould not be kept so long hungry as to get up any irritation or feer. When slaughtered it should be well bled, and the remnet taken out as cleanly as possible and tained inside cut and carefully cleaned. There at antice if the stomach, if there are any, whether solid or head is should be thrown away, for both give a ball flavor to cheese. The curl is the off naive that the liquid contents, by this is inferior to the coalings of the membrane, though some, whose that saw not very senter do not eliciet to it. But where the best

can be cleaned without russing, it will be better not can be trained without rinning, it will be better not apply any water. but it is can the cleaned without, time it is just be cleaned without, time it is just be used by washing or landling roughly. It will help very much about cleaning, to prevent the wall help very much about cleaning, to prevent the wall thou came, anything durty, or licking itself after aclust much. The curing is best effected by drying. It it can be done without the use of salt it will be all the latter and right a latter productions. the better, and with a little pains it can be done. To the large on I tradity with a small cord; insert a The the large end teshity with a small cord; insert a tuber of the grant end and blow it full and to the in dient. Hang it up to dry, after salting the ends outsine of the atimes. The usual mode in this antisy is to dit them. When this is done it may be tested diver a small crotched limb, or over a low, and a died in it and out. Then hang up where it will depend on a land out. Then hang up where it will depend on a land out. Then hang up where it will depend on a land out. Then hang up where it will depend on a land out. It must not, however, for the decentrying rapidly, be put where it will get too warm. It should be heart below 120, otherwise the trength will be minered. trength will be injured.

At. r having been thoroughly dried, if the skins are occasi mally moistened and then dried again, they will ac untilates trengthly so doing. It is a singular fact which is a fally recognized by darrymen, but which has never been fally accounted for, that remets gain sticn thely the simple fact of drying. The oftener they are w.i. a.t dried the better, provided they are not allowed to get so wet as to drip. The green wills have only about half the strength of one that has been dried and kept a year. There is more or less of offensive smell about the fresh etomachs which injures the cheese if used when new, but which

mostly disappears when dried.

" no profess pack the vells in strong brine, and pathon in that way tall wanted for use. Though this is a favorite method with butchers and also a good in my duryin in it is not to be reckned among the best a axis if preserving the vells. That they will keep safely is not questioned. The objection is that they are 1 title, if any, better their green remots when used. They make little or no improvement in the patch, for they undergo secretly any change; and what is most the "animal odor" which accompanies them is the or mesh state is allowed no change if escape. It he om s, as it were, crystallized in and only council out when they are put to soak for use. Such center to the cheese. It is better to hang them up full of saft to dry. this is a five ite method with butchers and also a hang them up full of salt to dry.

Preparing Rennets for Use.

Remets may be scaled in either whey or water. It whey is used, it may be sweet when the weather is cod, as meaning and fall, but in hot weather is should be our, and a should, before using be boiled, hummed, and couled. Very little salt will be acceled with four whey. When water is used, the laptor mass be attriated with salt, if the weather is warm, to prevenerming I scope gallon of other whey or water for each vell. It is considered best, by most dany men, to use sour whey, especially in hot weather. It has reveral advantages. Tirst, it requires less salt, a circumstance which is of considerable importsalt, a Grounstance which is of considerable importance. The material intennet upon which its usefulness do not be a procedic gravity about the same as milk. It illows on brane and sinks in water. By putting a little salt in whey which is lighter than milk, it will have jet about the right specific gravity to have the strength of the remove suspended in the liquer, and thus keep everly mixed. If water is used in the material account mays be made no salt that the congruence which that, and is the refore hable to be Ithing ag he will floot, and is therefore hable to be appeal oil. Laving the remainder too weak, and always necessitating a thorough stirring before using.

In the second place boiled sour whey with a little salt, is a better sateguard against taint than the strongest brine alone. Acid and taint are opposed to and counteract each other.

Third, when there is trouble from tainted milk, or when milk is helde to trint, and is a valuable aid in curiling the milk. It the remet is not soaked in sour where, some whey should always be kept on hand to counteract the inclination to taint whenever it occurs.

Seasoning Rennet.

It is a good plan to flator remet while soaking with aromatic seasonings. They modify favorably the flavor of the cheese; they increase, to a moderate extent, the action of the remet; and they are all antiseptic in their maure and help to preserve the remet succes. Any aromatic that will improve the flavor will be appropriate. Cloves and lemons are not frequently used. The cloves are field in a cloth and put in whole, and the lemons are sliced thin and slices put into the figuor with the vells. But this is not a good way to use the lemons. There is a bitter that much discount extract that soaks out of the rind It is a good plan to thator remet while soaking not a good way to use the lemons. There is a litter and unwholesome extract that soaks out of the rind of lynous which had much better be left out. Lemons membrine, though some, whose tastes are not rely and unwindesome extract that noaks out of the rind acute, do not object to it. But where the best of lemons which had much better be leit out. Lemons in the stomach, and how its strength results are sought for, the curd had better not be noduce a finer effect to cut them up and press out and other modes of preparing and used. The stomach being turned and emptied, if it is the jaice, as is done for making lemonade, then soak-

ing a few minutes to take up all the acrd, and then turn the acululated water into the pickle with the renneis.

Rennet Jars.

Darrymen are now generally using 15 gallon jars to soak rennets in, and there is nothing any better. If the stomachs are soaked in salt and water only, the stone jars are almost a sine que non. It is almost impossible to prevent rennets that are more or less tainted from finding their way into the steeping tainted from finding their way into the steeping vessel, and when once a taint has made its impress upon the staves of a cask it is very difficult to cradicate it entirely, and if undertaken is seldom accomplished. The stone vessels can be purified and kept in use. But if sour whey, boiled and cleansed as directed, is used, and the salting done with Liverpool salt, or sepreturing couldly pure their weeden. pool salt, or something equally pure, then wooden vessels will answer. There is scarcely any danger in tainting the cask when sour whey is used, tainting the case when sour whey is used, because a tendency to taint and even incipient tainting, will be destroyed by the acid in the whey. Before a wooden vessel is used for this purpose, it should be prepared the same as for keeping butter. The sap should be taken out of the staves by seaking in boiling hot brine, and it should stand long enough to saturate the porce of the wood well with salt. If this is not done the sap will gradually work out and affect the rennet.

Selection of Rennets.

There is no absolute standard by which to measure the strength of a dried stomach. Size is not here the measure of power. The large stomach of the calf six weeks old, will not curdle so much milk as the less one from the cal. six days old. But there are some indications which may be used in judging of the value of a remet before it is used. The readiest value of a rennet before it is used. The readlest means is smelling, though not a very agreeable one. The rennet has its own proper smell as much as anything else. When that smell is once learned it is a good guide in selecting. The sack which has any other than its natural edor should be rejected. The other than its natural door should be rejected. The taint from decay, and that from disease can readily be distinguished by the use of the olfactories by a very little attention. Whatever odor a rennet may have will be carried with it into the cheese, and care should be taken that those having offensive odors be availed. The energy area of a control of the cheese of the of the ch should be taken that those having offensive odors be avoided. The appea ance of a rennet will often be enough to condemn it. Those cured with sait should be white, or at least light colored. Those having a dark and reddish hue are usually diseased. They occasion huffing and bad flavor in cheese, and often spoil while soaking. Skins which have been well spread before drying are better than those not

spread before drying are better than those not stretched. The greater exposure to the air improves both strength and flavor.

In purchasing, it is necessary for the dairyman to make the most judicious selection possible, remembering always, that the characteristics of his coagulating agent will be expanded in his cheese, either to improve or injure its quality. Much of the premature decay complained of in cheese is occasioned by faulty remets.

Uniform Strength

In the liquid rennet is always desirable to ensure uniform results in curdling. To secure this two or more jars or casks are necessary. Three are preferable. Soak one batch and have it ready to begin with. While this is being used, soak a second batch in another jar, which will be ready for use before the first is exhausted. The strength of the second mess is hable to be different from that of the first. To prevent any mishap on this account, begin using the second with the first, taking part of each till the prevent any mishap on this account, begin using the second with the first, taking part of each till the strength is determined. A third mess will be scaling while these are being used, to be treated in the same way. Rubbing and strring the skins while in the liquor will greatly facilitate the steeping and are necessary to the perfect extraction of all the strength. Another advantage results from getting all the strength out of the skins before beginning to use the liquor. The first strength that scake out of some remnets makes a better coagulation than that which

remets makes a better congulation than that which comes out last. It acts upon the cream more effectually, uniting it more firmly to the casein and occasions less waste. By using the liquor while steeping, the first strength is all dipped off, and the last atrength is used alone with less advantage. By last strength is used alone with less advantage. By not beginning to use till the soaking is completed, the benefit of the first strength is carried through the whole mess. All rennets do not show this peculiarity, but most of them do. It is a circumstance which we have never seen noticed, but one which we have made available for many years. The cause of this difference is susceptible of a reasonable explanation, but our article is already too long to attempt it here. This, and the nature of rennet, and how it is formed. This, and the nature of rennet, and how it is formed in the stomach, and how its strength may be increased. and other modes of preparing and using, must wait