The Dairp.

Choice Table Buttar. By the Hen, Olark King.

tRead before the Agricultural Meeting at Waitefeld, U S

In order to make a choice tub of butter, at all times see that your cows are provided with the best kind of ood for that purpose. In summer when your cows are at the pasture, let them have the best pasture you can provide. As a rule, a dry pasture which lies high and rolling produces the best grasses for butter making; it makes a willow, fine-grained, awest tub of butter, while a low, swampy pasture, full of foul grass and bushes, makes a much poorer grade. Such pastures are not fit for the dairy. A moist pasture, if not too wet, may produce a good quality or grass, and in such pastures good butter can be made; but my experience, after dealing in butter some ten years and manufacturing butter during this time, has taught me that a dry pasture, pro-In order to make a choice tub of butter, at all butter some ten years and manufacturing butter during this time, has taught me that a dry pasture, producing aweet qualities of grees, is the kind for dairying. At this season of the year, when the cows are stabled, and during the spring, when the cows are giving milk, give them the very best quality of early cut hay, and a fair amount of meal, each day. Corn meal is the best, and any green fodder or roots which are of good flavor will also be good to feed them when giving milk.

Give your cows warm stables, milk, as regularly as

when giving milk.

Give your cows warm stables, milk as regularly as
possible, and milk clean. After the milk is drawn
set it away, after it is thoroughly strained, in a good
milk room, which must be kept sweet and clean.

All odors, from whatever source, must be avoided, All Goors, from whatever source, must be avoided, as cream on the milk is tainted very easily by smoke cooking of various foods, odors from the sink and other places. The milk room should be kept at a other places. The milk room should be kept at a high temperative for the cream to rise well in the cold weather, and in warm weather kept as cool as possible. Many times the cream will not half rise on account of the extreme heat, and a good share of it is

thrown to the pigs.

There is no doubt but that the large, patent pans now coming into use, with pipes carrying cold water around them so as to cool the milk and take out the animal heat as soon as set for the cream to rise, will prove to be a great improvement. Those who have used them consider them an improvement, and say that they paid for first cost in one season. They made good butter during the hottest weather last made good butter during the hottest wasther last summer, and a good cream rose all through the extremely hot, damp weather. I had several dairies of butter made from those pans and the cooling apparatus the past season, which proved to be excellent. Poubtiess these pans for setting milk will soon come into general use by good dairymen, as thereby a great amount of labor is saved as well as good butter made. Always skim your milk before the cream is thuned. As a rule, skim it just before it sours, or as soon as it bagins to sour on the bottom of the pan. No time can be given to skim milk after it is set which will

can be given to skim milk after it is set which will can be given to skim mik after it is set which will always be reliable, as milk rooms vary somewhat in temperature; but never fail to skim it while it is sweet and before it becomes tainted in the least. Here is where dairymen must not neglect the care ascessary for producing choice butter. Here is where necessary for prolucing choice butter. Here is where many dairymen make a miatake, in letting the cream stand on the milt too long; and the result is a common tub of butter—or even worse—i. e., a poor tub of butter which nobody wants.

After your cream is taken from the milk, churn it

After your crown is casen from the mine, churn it in good season, taking care always not to let it stand too to ig below charating. Use a churn with as little machine y at possible. The plain churn, with the least number of floats, is the best for manufacturing

solid butter.

Never salt your butter too much. An ounce offsalt to 1 lb of butter is enough for butter made to keep through the season, while from 1 and 2 to 1 onnee is enough for the market, when the butter is soon to be used. In fact, light salted butter commands the highest price where it is sweet and new, and this is a fact for good dairymen to be sure to remember.

The working is another very important part to be performed in the manufacture of butter. Great care must be used to work it enough and then stop and to do this requires close attention. Before working the butter, it should be thoroughly washed in good, pure water, until you can see that you cannot do much more to cleanse the buttermik from the but-

market, and you can readily find a purchaser for all you can manufacture, from the fact that so little exouliest butter is made at present. A choice tub of butter at this time is sold for 40 cents in the market. butter at this time is sold for 40 cents in the market, while a good fair tub brings 35 cents per pound, and a common one 30, a poor one 25, and so on, down to grease price. A difference of 5 cents per pound is well worth a good amount of time spent to make a choice article. As there are over 100,000 cows kept in the State of Vermont, and the annual product of the same will average 150 lbs. from a cow, or more, let us calculate the difference of 5 cents a pound on the whole amount made in the State. Reckoning 156 ibs. to the cow, 15,000, 00 lb would be manufactured annually, and a difference in price of 5 cents per ib would make an addition of \$753,000 to the annual. wealth of our State -- a fine mercase to record in the manufacture of butter If we only take as much pains in this branch of farming as we have done to improve our breeds of sheep and cattle, the thing will be done, and when once done, it will pay so well, there will be no danger of a reaction as in the sheep business, from the fact that every tub of choice latter is at all from the fact that every tab of choice latter is at an times in demand at good prices, there not be agenough of such butter made at the present 'une for the consumer. And to review what I have said in detail, allow me to say, keep no poor cows, and only those that make good hirm yellow batter. Keep them well, both summer and winter. Use great care in cleanlines in every stage of the maintfacture of this product. product. Have a good milk room, keep it perfectly sweet and clean, and follow the best modes of making good butter; and if you do not succeed, then go to those who do succeed and find out their method, and in the end you will certainly come off victorious And now, brother farmers and dairymen, let us al. resolve to accomplish the art of making cheice butter.

Shurt-horns as Milkers.

At the Short-horn Breeders' Convention held some months ago at Cincinnati, Dr Stevenson, a lange breeder, read a lengthy cesay on the above subjective of the principal difficulty heretofore in adopting the Short-horn cow as a dairy cow has been her high price. Chesper cows can be used that will give as much milk, for in this respect he craims no superiority, but that they are fully the equals of any other breed. The earlier English breeders need those cattle for milk as well as for beef. The tenant farmer of England, twenty years ago, used their Short-hou cows for dairy purposes, and rased their fine calveting hand," or on a himmed milk, flax seed tea, an other suitable nutritive fool, that the milk might be other suitable nutritive foo , that the milk might be sold, or butter and cheese That Short-hours are good milkers every one who has given them a far-trial will testify Go to those districts of Ohio and good milkers every one who has given them wash trial will testify. Go to those districts of Ohio and Kantacky where they have been most generally hrel, and bred longest, and where nothing can be communder a high grade, and you will find the milking qualities of their cattle unsurplused. There is product to the state of the latent to the the state of their cattle of their cattle of their cattle of the state of the latent to the state of the latent to the latent oably no state in the Union that has more Short-horns and that uses so much unlk as an article of foot as Kentucky, and it may be said truthfully that physically there is no tiner race of men; and Short horn milk is entitled to a large share of the credit.

I trust, he added, it will not be considered egotistical for me to each of

tical for me to speak of my own a perience with the speak of my own a perience with milk for upwards of thirty years, and have found them good milkers, although we have, it is true, used the milk for the family only, which has, how have the same the same than the same ever, always been a pretty large one. I have found a difference in the quality as well as the quantity of the milk, and this is doubtless the case with other good, pure water, until you can see that you cannot the milk, and this is doubtless the case with other do much more to cleamse the buttermilk from the butters. As a rule, I find the finest butter where the milk. This cow, from age and some deformity, and maker works the butter twice before putting the same into the tub for market. The butter is taken from the charn and salted, and worked enough to thoroughly cattle as a milker, and I propose to base a tow calculations upon her. She calved the first day of Februaring taken up and worked until it is clear from rule; her calf is now ten muiths old. She has con-

buttermilk. Then it is ready for use, either to send sequently been groung milk the same length of time to market, or to keep through the season. I consider the use of a butter-worker the best mole of extract gallons a day. I wow if we will put this cow a milk at the use of a butter-worker the last more of the use of a butter-worker the batter can be made ing the buttermilk, although line butter can be made by working with the hands, if they are not so warm as to injure the grain of the butter. A sponge can be used with good success in connection with the butter-worker, to soak up the moisture in the process of working. After your butter is really to pack, get a mice clean tub or box to pack it in, as a clean package in always desired by the purchaser. Never put good butter into an old, dirty tub, but give your butter the as what the market affords. It will pay well in the stock, ten cows and their milk and calves will give stock, ten cows and their milk and calves will give stock, ten cows and their milk and calves will give stock, ten cows and their milk and calves will give stock, ten cows and their milk and calves will give stock, ten cows and their milk and calves will give stock, ten cows and their milk and calves will give stock, ten cows and their milk and calves will give stock, ten cows and their milk and calves will give stock, ten cows and their milk and calves will give stock, ten cows and their milk and calves will give stock, ten cows and their milk and calves will give stock, ten cows and their milk and calves will give stock. En lish tenants, in a great part, to pay high reads and make money. We ask the attention of farmers to the consideration of this subject.—Uhio Farmer.

Home-made Cheece.

By O. S. Blics.

A farmer who keeps six cows ought never to be without choose for his table, and unless situated conveniently near a factory where he can have it more cheaply made than at home, it should be made there. indeed, many farmers who carry their milk to the factory during the season may at its close make their own supply of cheese with profit. A very good article of cheese may be made from only two cows, and anniles who keep but two or three cows cannot make a more proviable use of milk during the cool weather n the fall than to convert it into cheese. The milk should be set in the common pans in as cool a place as may be at command until there is an accumulation of several days' milk. The object in setting it in a cild room is to prevent the rising of the cream, and to preserve the milk until enough is saved to make it an object to work it up. Defore the oldest milk begins to turn the whole lot is skimmed up, and set in a large brass kettle. A clean new wash-tub, which has not been painted on the inside, would be prefer-able. A few pans of the newest milk are reserved able. A few pans of the newest miss are reserved and placed over kettles and pans of hot water on the stove, and when heated, added to the mass in the kettle till the whole is brought to the uniform temperature of about 85°, or a little below the blood heat. A portion of a well-cured rennet, about the size of three fingers, should be soaked over night in size of three fingers, should be soaked over night in warm water, which is poured into and mixed with the milk. To determine just the amount of rennet to be used is one of the most difficult things in the whole process. The curd should "come" in about forty to forty-five minutes. If it comes too soon the first time, less rennet must be used next time. If it is too long coming more must be used. Where checksis too long coming more must be used. Where checke-making is an every-day business, a different process of preparing the rennet is far preferable; but where the cheese is "run up" only occasionally, here is no ther way than to prepare the remet for the occasion. When, on running a finger or two under a postuce of the curd and gently raising it, it readily breaks or the curd and gently raising it, it readily breaks or -ulits, it is ready to be cut. This should be cone plits, it is ready to be cut. This should be cone with a long thin wooden knife, cutting the whole curd from top to bottom into squares of about two inches. After it has stood in this condition ten or ifteen minutes the curd may be carefully broken up with the hands, care being taken not to squeeze has short time—say, ten or infect minutes—the card and whe will have become sufficiently separated, so hat a po tion of the whey may be capped off and bested in the same manner as the milk was in the desired in the same manner as the unik was in the leginning. During this process of dipping off the whey the curd may be gently broken up into lumps about the size of chestants. This done the hoated whey may be gradually returned to the two isl the mass is or a temperature of 95 to 150°, and "blood next." The heat must be raised somewhat slowly or a temperature of 95 to 150, and of the heat must be raised aomeuhat slowly, The heat must be raised and broken. The heat." The heat must be raised somewhat along, the curds meantime being stirred and broken. The curd may now be left "to cook" for thirty or forty minutes, when it should be again stirred and broken until it has a firm consistency. When on taking a drop apart on relaxing the hold, they are reasy to be removed from the whey. A cloth strainer is then thrown over them and as much of the whey dipped off as is convenient, after which the strainer is suread over a basket or a low-sided box with a bottom of narrow slats, and the curds are put into it to urain. When thoroughly drained and aired they may be salted with four or five ounces of salt to ten pounds of curd. The whole should be thoroughly and inti-mately mixed and broken up, when it will be ready for the press. Formerly it was supposed to be necessary to press the cheese to get the whey out, such, however, is not the case with well made cheese. The object in pressing it is chiedly to cause the particles to athere and make a homogeneous mass. The size and form of the cheeses is a matter of taste. Persisted of the cheeses is a matter of taste.