## The Pairy.

## Short-Horns for the Dairy - Breeding Davry Cart' .

As is well known, the Short horn or Durbon set! were once distinguished for their great million, quid to a but lately in consequence or the eclebrity attained by them by the development of their beer qualities, the rivalue for thomas calves should be kept and not deaconed ruthlessly, the dairy has been overlooked. But, though the Shorthorns have received attention mostly for their meat qualities, the milking strains are still in existence, and; their qualities have been fostered in the same manner, though not to the same extent as have the qualities of the

The average duryman of the present day will smile at the suggestion of a Short-horn built for his cons that there are many of the most intelligent men in the profession who know the value of the nullying strains of Shorthorns, and who use every enleavor to sceare bulls from them. Hon. Harris Lang, of Herhanet to . N. Y., has been engaged for some years in the task of breeding Shorthorns to milking qualities. The I trea Heratt says that his experience was this. - He hast purchased to word Duke, I bred by Jonathan Talcott, of Rome, N. Y. Turs built was calved May 10, 1867, got by Lilsworth (1.780) out of Oxford Lass, by Echo of Oxford (12,521 A. H. B., vol. 9, No. 8,711.) His treat purchase was Prince of Herkamer. bred by A. M. Winslow & Soils, of Putney, Vermont. Prince of Herkimer was got by Larl of Scanamics, 077), out of Lilac by 24 Earl of Carlada (2004), A. H. B., vol. 12, the stool attached to him part I. No. 13,211). Prince of Herkmar was descended bucket between his knees. from milking stock on both set and all his get have been good milkers. It died list spin 2 from milities received mind the best I have ever seen, being easily adjusted and chemically pure. If it is pure, one salt is as good as from a scrub bull all well to a. that of in the neighborhood by its owner

The result of this introduce on a pure Short-horn bloom was the great improvement of Mr. Lewis mining stock the loop, and pass the end around the other hind leg, just and the growth of a dary of grade cons which surprised above the gambrel joint. Pass the end under the cord by All the varieties in use contain more of less foreign matter in milk yield anything which Mr. Lewis had keep to one the teop; pull taut and make fast with a bowking this matter is no salt that I know of which is absolutely pure, and the growth of a dary of grade cons which as it is no salt that I know of which is absolutely pure, and the growth of a dary of grade cons which as it is no salt that I know of which is absolutely pure. All the varieties in use contain more of less foreign matter from which it story distributed to be grade of the varieties in use contain more of less foreign matter from which is known to object formable of those foreign matter is objectionable. The known of which is absolutely pure.

All the varieties in use contain more of less foreign matter from which is known to be forms an gare S about the legs.

All the varieties in use contain more of less foreign matter from which is known that I know of which is absolutely pure.

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All the varieties in use contain more of less foreign matter from which it should be discovered from which is the varieties in use contain more of less foreign matter.

There is no salt that I know of which is absolutely pure.

All the varieties in use contain more of less foreign matter from which is the varieties in use contain more of less foreign matter.

The advanced has a substitute very discovered the contain more of less foreign matter.

There is no salt that I know of which is absolute which is so foreign matter.

There is no salt that I know of which is no salt that I know of which is absolute whi bodied pure breeding in in but one side, he could do better is not too new and hard, it cannot hurt her. with a stock of thoroughbreds. I oflowing the selection which led him to the purchase of buils of miking strain of Short-horns, he purchased temales of like ancestry. Mr. ; Lewis' son became associated with him, and they bought ! seven thoroughbred females. In the fall of 1873 they pure tary of the Chautauqua Darymen's Association, Prof. L. chased of A. M. Winslow & Sons "Countess" and "Lady B. Arnold has prepared an extended review of the chemical state of the Chautauqua and the chemical state of the Chautauqua and the Ch Mary 2d," and in the spring of 1574, freely 2d, Hetty 3d, Hetty 4th, and Hetty 8th, of Charles F. Wadsworth, and

Pearlette, of James W. Wadsworth, of Generge, N. Y.

Those cows are all good milkers, and form a good milking ancestry. It is the opinion of Mr. Lewis that with the ten females they now have, and with ordinary sneeds.

In answering the question, "How does salt preserve butter, meat and other putrescible substances?" I might well assume the Yankee precognitive and answer it by asking another, to wit, Does salt preserve butter?

In agreement, which is the opinion of Mr. Lewis that with the ten females they now have, and with ordinary sneeds. in breeding, that within a short time and witness further outlay, they will have a milking head of thoroughined, Short-horns equal to any herd in the country, embracing

und at little expense, get up a reputation for his stock that of salt was adverse to meiment development of germs. will cause a demand for his calves, bulls and heifers, tar and near. At present, it is too usual a thing for a duryman when he has a good milker, to milk her as long as she will give nells, and never to ruse a single calf from her. That is not the policy which will pay in the long ! Milking qualities are hereditary, and good milkers 1 1111 will the irre unless a left atment Good milkers should be made and in every way put up so as to keep safely be if die bulls of good milking families. The most pro-through a three years voyage, it will spoil in a little white is conow often the case with good and bad alike.

A C stry Gentement correspondent who wanted to know how to make a miking stool that will protect the bucket from the lack of a construction with shape of a milliposition of the bucket from the lack of a construction with shape of a milliposition with the shape of a millipositio be with a spike or nul in the end of it to keep it from slipping, a hole is out through each end of the seat about four inches from the end, and straps are passed through them. The milker fits the stool to his seat, and buckles



The milker holds the

reliable. Take a stout cord about three feet long, with a another, but its purity is a matter of the first importance, small loop in the end of it; pass the cord around the hind. If we cannot expect much from salt by way of preservation, he just above the gambrel joint; run the end through jurious was the great improvement of Mr. Lewis mining stock the loop, and pass the end around the other hind leg, just

## Preserving Butter with Salt.

In answer to an enquiry made by O. C. Blodgett, Secrecal uses of salt in keeping butter, from which the follow ing extracts are condensest.

like to see the evidence by which an affirmative reply can demonstrated.

Modern investigation has shown that the changes which cour in fermentation and putrefaction are caused by the a like number of animals. More than this, he will develop their capacity for the production of mill., and it is because of this object in view that we have taken such interest in his enterprise.

graveth and multiplication of organic germs, either vegetable or animal, or both, the germs, to support their own growth, using a part of the substances affected, and this enterprise. his enterprise.

Mr. Lewis has selected the short hories are a long and careful investigation of the shoper, as the breed that will producing the greatest amount of milk, butter, cheese and beef for the food consumed of any breed we have.

And yet Mr. Lewis does not advocate the short-horn under all conditions. He believes that no one breed of large breeds producing the best results on productive and moderately level lands, and the small breeds doing the best on steep side-hills and scanty pastures. For butter and deed by the abstracting in both cases, the meighent only, the Jerseys would be his first choice; for butter and deed by the substance to which it is applied, working oxen the Devons, and for the production of milk.

wish the expression kept distinctly in nund, for it is only in the incipient stage that it has power to preserve. If by any means the germs, in either case, get a little start, salt is powerless to check them. If a piece of rancid butter, ever so small, is placed in contact with a package of sound butter, it will soon spoil the sound butter, no matter how well salted.

If a barrel of meat is packed in brine as strong as it can if a piece of decaying meat is put into it no larger than a thimble. When germ development once gets a start, it so modifies conditions that it can go on in spite of the presence Milking Stools—Milking Kicking Cows.

A C stry Grationary correspondent who wanted to how to make a milking stool that will protect the now how to make a milking stool that will protect the to miler from the extensive use made of it. There are This is well known, and it is also well known that

and soda.

When salt is applied to butter, it acts like a mordant upon the coloring matter of the butter, giving it a deeper line; otherwise it appears to remain only mechanically mixed with the butter, for by washing in hot water the salt may be separated from the butter without any approximately. the rry t ght around his legs. He walks about with enable loss, and so also if the latty parts are taken up with other, the salt will all be found in the residue.

Upon the preservation of butter salt exerts but very bitle influence. The keeping quality of that luxury depends much more upon other conditions than upon the action of any fancied variety of salt. Butter is subjected to change chiefly by the action of germs which lodge upon its surface from the air, which develop and multiply, and, filling the mass with its presence, work its ruin—Exclusion from the air, therefore proves a more period preservative than salt.

we ought to be sure that it contains nothing positively in-

BUTTER-MAKISO. - It is time to skim, when the fingers BOTTEL-MARING.—It is time to skim, when the ingers can be drawn through the top without having the cream close behind it. When cream will do this, it is about ripe enough to churn. When cream foams in the churn, it may be cured by warning. Cream should not be churned as soon as taken from the milk. It should be stirred and allowed to ripen all alike. This will occur in twelve hours or so. But gream should not stand must whom is fearned. But cream should not stand until whey is formed in the cream jar

Serving Cattle for the Dairy.—The Missouri Farmer says that a great many yearling heifers are annually spayed in Missouri. The time most generally adopted is in early spring when the grass is sufficient for them to live without other food. The heifers thus treated universally make better eattle than they otherwise would do, and are more valuable than they would be as cows. The inferior heifers should always be selected, and they are as valuable for beef as the best steers. Our cotemporary has seen cows spayed at two years old that continued to give milk until ver old age. They, of course, gave more in early spring that at other seasons of the year, but we did not see that they gave less in the same length of time than those with calves. They evidently fatten more readily than cows do that we raising calves, and consequently should be more thoroughly milked and fed less than such cows. SPAYING CATTLE FOR THE DAIRY .- The Missouri Far-

Holsteins for the Dairy -An Illmois farmer, who has had fifteen years experience in dairying, and who has found out in that time that good cows are hard to get and often deceptive in appearance writes;—In looking around for a remedy, my attention was called to the Holsteins. I was pleased with their large, fine appearance and style. large breeds producing the best results on productive and moderately level lands, and the small breeds doing the best on steep side-hills and searty pastures. For latter the standard lands of the germs which occasion the changes. It is not of the germs which occasion the changes. It was included by the salt in the substance to which it is applied, working oxen the Devons, and for the production of milk that simply and solely because its presence is so adverse to the carpinet development of the germs which would other the carpinet development of the germs which would other the interpretation of milk that simply and destroy. The whole power of we develop, multiply and destroy. The whole power of velop, multiply and destroy. The whole power of the formal through examination I concluded they were develop, multiply and destroy. The whole power of the other miking breeds of the requisite knowledge of stock can, by persented and intelligent breeding of his cattle to a milk test, ing incipient putrefaction. I have said that the presence is so adverse to the incipient development of the germs which would other the incipient development of the germs which would other the incipient development of the germs which would other the incipient development of the germs which would other the incipient development of the germs which would other the incipient development of the germs which would other the incipient development of the germs which would other the incipient development of the germs which would other the incipient development of the germs which would other the incipient development of the germs which would other the incipient development of the germs which would other the incipient development of the germs which would other the incipient development of the germs which would other the incipient development of the germs which would other the incipient development of the germs which it is adverted to any of the other marks and to give them a practical trial. Preparators I was necessary large expense, and to give them a pr