The Dairy.

Dairy Maxims.

Milk will sour quicker if the cows are fed sour milk. This is not objectionable for butter making, but it is objectionable for cheese making.

Cream from a farrow cow's milk will not all come if churned with cream from new milch cows. The mixed cream will make more butter than the cream

drive away the aroma of the timothy, clover, or dune

Cream can be taised by treezing, but this is not

practised in this country.

It milk is kept at a low temperature, the cream rises slowly.

The effect of a sudden change in milk or cream is to injure the keeping quality of butter.

Whey, as it comes from the factory, invariably has a bad effect when fed to cows fresh and sweet, it is not objectionable. It ted while

Raising cream by freezing does not expel the animal odor, neither does it destroy germs in milk.

The cream which rises first makes a better quality of butter than that which rises last.

The more aroma in butter, the less time it will So with cheese

In the spring I would work all the cream into the cheese, to tipen it sooner and make it letter, and basket; if you put nothing m, you cannot expect to work it off at spring prices. Later in the season I take anything out -St Louis Democrat. would skim more.

The cream from ordinary cows can nearly all be worked into cheese. It could not be done with milk from the Jerseys or other cows whose cream rises slowly.

To avoid greasy butter, churn with pressure in-stead of friction. The dash churn brings butter by pressure and makes better butter than most other kinds of chuins. Butter should also be worked by pressure instead of friction. The ladle or worker should not be drawn across the butter, but pressed down upon it

Milk, while being scalded for taint, should be stirred. Results favor shallow setting instead of deep titing. The amount of cream seems larger somesetting. The amount of cream seems larger some-times from deep setting, but it is own, to the fact the cry that it would dry them up, for experience that in deep setting the large globules carry with oft repeated had taught us to the contrary. Of them considerable nulk. The meant of batter from course we always commenced with a small allow-deep setting will be less than from the them. deep setting will be less than from shallow setting-Prof. L. B. Arnold,

Soiling Cattle.

By the term soding is meant the feeding of green feed in ...d or stall. Turning cattle into pasture is only practicable where land is cheap and picnty. It takes about two acres of good grass land to feed a cow or secor in the usual way, because a good dear of the grass is tramped over and out, because cattle will not feed near their droppings. The same amount of land will produce food enough for three head or stock if it is moved and fed to them in the yard or stall. Of course pastures in or near a city, where lands are worth from and to \$1,000, will not

Men who feed a great deal of stock, as well as those who have only one horse and a cow, can arrange for summer feed in the following manner, which will not only be found economical, but will also afford that change of feed so desirable for all thinds of domestic animals. It we may be sown about the last of August or first of September—It sown thick—1½ bushels per acre, and on good soil,—it will afford some pasturage late in autumn for young stock (it ought not to be mown), but no horses or sheep should be allowed to crop it, because these bite too As soon as spring opens, and the groundwhich has been ploughed the autumn preceding—is in condition, oats and barley mixed ought to be By the 20th of April at farthest, if the season will at all allow, corn ought to be planted in drills, two feet apart and from six to ten kernels to the foot in the row. In addition to this there should be a

commence by feeding the corn. Thus we have a succession all through the season and also a change.

It is worthy of notice that all these grasses are the better for being allowed to wilt before they are fed. If there is barn-toom sufficient they may be cut and spread on the floor in thin layers a few hours before they are fed. This process evaporates part at least of the watery particles, and makes the teed more nutritious according to bulk, and avoids the danger to the stock of bloating and excessive

flatulency.
Cattle that are soiled should be allowed exercise mixed cream will make more butter than the cream in a varid or lot affording ample 100m for all therein from new mileh cows alone, but not so much as it the confined. As part of farm economy the manure—cream is churned separately.

If I were receiving milk from low, swampy grounds, with turf and refuse—will form no inconsiderable or from pastures fifted with weeds, or from pranies, item. And where it is at all practicable, the liquid I would scale it. Its heating to lob deg. I would be manured to lob degree to would be provided by the liquid practicable. I would scald it. By heating to 150 deg. I would manure should be saved also, and put upon the drive away the taint, but the seadding would also compost heap and spread in the autumn or early spring on that portion of the farm where it is most needed.

The writer knows full well that this plan of feed-ing stock requires more labor, but it will require but fittle knowledge of mathematics to show conclusively that near large cities, and in places where land is valuable for other purposes than pasturage, it is not only the best but the cheapest.

Long and quick drives to pasture and home again are very injurious to dairy stock; these will also be avoided. A dairyman should ever bear in mind that a cow in his business is simply a machine to convert provender into milk and cream and butter. He should study not only with how hittle feed he can extract the grea est amount of milk, but how much the cow can consume and convert into the richest of milk without injury to her constitution and general health. A cow is very much like a pantry or bread-

Apples for Milch Cows.

We learned when a young man, in our earliest attempts at farming for ourself, when we kept three or four cows, did the greater part of the milking, and marketed our surplus butter, that when we began to feed the cows fallen apples, they soon began to increase their yield of milk, and soon after there was an increased amount of butter to carry to market.

Ever since then, whenever we have had cows and cheap apples, we have not hesitated to give them a course we always commenced with a small allowance, gradually increased until we reached the quantity that we thought best for them, and the results were always satisfactory.

A writer in the Country Gentleman gives his experience as follows:-

Perience as follows:—

Every other year I have a large crop of apples, but as my orchard hardly has two trees of the same variety, the fruit is usless for market, and insects are so numerous that I have very few fair and perfect apples, but an abundance of cider apples, which will bring, after being picked and decayed ones thrown out, from twelve to twenty cents a bushel. For several years, against the remonstrance of my men, and of others who remember the chi saying of "apples will dry up a cow," I have had it.m fed out to my milch cows, beginning with the early apples and continuing as long as they lasted. Several times I have dumped them from the waggon as gathered from under the trees, on a small piece of grass ground where the water will not stand, and on the approach of cold weather covered them with a thick coating of sea weed, so that they could not fre ze, and have fed them nearly all winter to cows in milk. I have conthem nearly all winter to cows in milk I have con-cluded from my observation, that the butter made from cows in winter, fed on apples, with good sweet hay, will be as good flavored and as high colored as June or September butter, and that the flow of milk is kept up, if not increased, at least as much so as from feeding meal to the same extent in value. For young cows they seem to me preferable to meal. Perhaps I should say that our winter milk room is so situated that its temperature seldom falls below 55°. Care should be taken, as in feeding other green stuff, not to feed enough to loosen the bowels of the animal much, but a bushel a day, or even more of m the row. In addition to this there should be a good meadow of mixed grasses, say timothy, clover, red-top or herd grass, &c., in quantities according to the remount of stock to be fed

Now, we commence by cutting ryc as the first green feed, then perhaps the meadow grasses, next the oats and barley, and again meadow, and then we have a mind much, but a bushel a day, or even more of ripe apples after the first few days, will not be too many. In a former number Mr. Levi Bartlett detailed his careful experiment of feeding applies to make own, with much the same result. I was glad to be confirmed in my impressions by so careful and oats and barley, and again meadow, and then we

Keep up the Supply of Milk.

The season has been a very growing one for grass, and pasture during June and July has afforded a good return. During the latter part of July and up to the present, grass has shot up and become hard. This causes a general complaint; there is a serious shrinking in milk. The remedy is green, tender feed, such as tern and the second growth of clover. We just had a talk on the subject with Irving Moyer, of Dutchtown, who is a careful farmer and dairyman, who says his cows, owing to mature growth of his grass, shrink considerably, though there seemed to be no loss of flesh. He gave them a full feed of cut eorn at night, and an increase in the weight of cheese became at once apparent. This is a clear case, and is the experience of many. What is wanted for milk is green, tender feed, relished and casy of digestion. A good hay crop for winter feed has been scurred. Much of it has been cut early, especially clover, the second crop of which of Dutchtown, who is a careful farmer and dairy

winter feed has been secured. Much of it has been cut early, especially clover, the second crop of which is, in not a few instances, well grown up, and is just the thing to cut and place before mild cows, or, what some prefer, turn into the clover field. Almost anything to prevent shrinking of the milk. There is authority for saying that the loss in milk cannot again be restored the same season. At least there should be a stan made it possible to further chrinking in should be a stop made it possible to further shrinking. Another important point: As it is not unlikely we shall have some hot weather during August and September, the cut feed or batting should be done at noon or in the greatest heat of the day, sheltering the cows from the sun at the time, so as to avoid the injurious effect of the heat, which gets up a feverish condition of the system, and is communicated to the milk, and hence the cheese and butter are affected. All suffering, whether from the heat, alack of food or water, or any other way should be avoided, as it tells on the milk. Good treatment all round, making the animal comfortable and satisfied in all respects, is the way to reach the highest returns in the dairy. The time for this now is most urgent - Utica Herald.

BUTTERMILK AND SCHRYY .- The Colorado Agri-culturist says: A correspondent informs us that he finds buttermik to be an almost untailing cure for scurvy in hogs. To prove the fact, among other cases which have come under his notice, he says he cases which have come under ms notice, he says no owns several pigs which, a few weeks since, were suffering terribly from the effects of the disease, and that a speedy cure was effected by merely pouring the buttermilk over them a few times in the pen-Readers will do well to remember this simple remedy.

SALT AS AN AID TO MANURE. - About five o'click one fine summer a morning, I noticed that where the salt had been sown the previous day, every grain of salt had attached to itself the dew, and formed on its surface a wet spot about the size of a sixpence, the ground being generally very dry. On our light lands it consolidates them and makes them especially firm and acceptable to the wheat plant, whose straw will stand firm and erect, although four and a half to five teet long It is also untavoiable to certain weeds by this consideration. It prevents the ravages of the wire worm. It is especially favorable to saline plants, such as mangolds, whose ashes contain fifty per cent. of salt. I never sow guano, except inved with its own weight of salt. Tike everything else, it has, I am sorry to sav, greatly risen in price observe that all crops seem to thrive well on land near salt water, especially where the land is drained. - Western Rural.

THE CAUSE OF THE POTATO DISEASE, AND THE THE CAUSE OF IM. POIATO DISLACE, AND THE MEANS OF ITS PRIVENTION.—In the Biological Section of the British Association recently, Mr. J. Torbitt read a paper on "The Cause of the Potato Disease, and the Means of its Prevention." He contended that potatoes could not be cultivated for ever from the "set" or "cut," because the "set" or "cut," because the "set" or "cut," because the "set" or "cut," was merely a cutting from the subterranean stem; but they might be cultivated from the "set" until the expiration of the term of Life allotted to the seed from which they were obtained—that was, provided they were not cut off by disease or other provided they were not cut off by disease or other provided they were not cut on by disease or other accordent when they became old and approached the term of their existence. Upon this theory, there fore, the remedy was to revert to the operation of the laws of sexuality, and grow the plant from the seed so soon as the potato under cultivation from the "set" became unable to yield a full crop of seed, a result which would be found to occur in about, say ten years. Mr. Carruthers, of the British Museum, dissented entirely from the views propounded by the reader of the paper, and said that plants propagated from seed were just as hable to disease as those pro-pagated from "set. He also mentioned that the disease threatened to be on a very extensive scale in Ireland in the present season.