



Seaweed as a Fertilizer

Dr. R. F. Griggs, of the Botany Department, Ohio State University, was one of a party of scientists to spend the past summer along the Alaskan coast investigating the possibilities of using the giant kelp found there for fertilizer.

What Education is Doing

It is not uncommon among the boys and girls have been anxious to get off the farm, until, if perhaps they have been compelled to remain there by untoward circumstances or have not had the vitality or strength of character to tear themselves away, they have become so dulled in mind and body that relief from their burden of toil and isolation would have failed to bring its desired end.

Clip the Cow's Udder

It is not uncommon among dairy cows to find the udder covered with a dense growth of long hair, which although it may be some protection to the udder nevertheless from the standpoint of sanitation and comfort to the cow during milking is a detriment.

A common pair of horse clippers is best suited for the clipping of the hair. If a large herd is to be clipped, a hand power machine could be provided. The clipping should extend over the flank and thigh on the right side as this will make it easier to keep the side above the milk pail clean.

Silage in the Winter Ration

The principal reason why a dairy cow increases her milk flow when she is turned out to pasture in the spring is that she is receiving a succulent feed. Thus, if we wish to secure a large and persistent flow of milk during the winter months we must feed some succulent food that will take the place of the pasture grass of summer.

One of the chief reasons why so many of our cows are unprofitable is that they lack persistency or do not keep up their flow of milk for a long period. While this is largely due to inherited characteristics, yet if all cows were properly fed on corn silage and other desirable feeds, much less trouble would be experienced in trying to keep cows up to their normal flow.

Sweet Clover Pasture

It is held by those who have used sweet clover for pasture that it will not cause the cattle to bloat. The theory is that the coumarin in the sweet clover prevents any rapid fermentation of the feed. Its chemical analysis and what investigation has been carried on with sweet clover lead us to believe that it is as valuable to feed as alfalfa. Cattle do not like it at first, owing to its bitter taste, but after they have become accustomed to it, it is relished by them as much as any forage. It makes an exceptional hog pasture. It will grow in places that are not suitable for raising alfalfa.

Market for Cream Increasing

One of the most encouraging features of our present day dairying is the broadening outlet for market cream. In New York City it is estimated that the amount of butter fat used as cream is approximately one half of that used as milk. Evidently if it were not for this demand many dairymen would be doing business at a loss, and yet the consumption of cream is the outgrowth of recent years. The factors in producing market cream are essentially the same as in producing milk. Clean methods, refrigeration and a uniform percentage of fat constitute good cream.

Everything considered, the selling of cream at remunerative prices is the highest type of dairy farming. It is true that the market for high grade cream direct from the farm is limited, but there are more chances to develop a satisfactory market for cream than in any other branch of the dairy business. It is not easy to go into a large city and contract for a certain number of gallons of cream daily. You may find confectioners,

Old Hens

Why it is old birds are tolerated is past my comprehension. Every week in poultry papers fanciers are recommended never to keep their birds more than a second summer, yet some people simply because they have a certain love for one pen, or because they have laid a large number of eggs, will not kill them off, and this is one of the reasons why poultry farming at the present time is often so unsatisfactory, and egg production, especially in winter, is on a reduced scale.

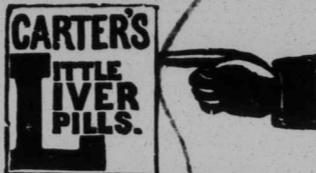
The exact time to kill off two year old hens is also most important. Many farmers I know usually sell fifty or sixty birds all at the same time, they like the idea of getting rid of a big quantity. This is a hasty method no one will dispute, but it means that quite a large number of birds must be sacrificed while still laying. The best plan is to carefully examine each bird, and when it is found that they are not laying, they should be sold off singly to customers in the district.

Those who have old hens that are entering the moult should be rid of them quickly. The markets are crying out for good, heavy hens, and willing to pay high prices, but as soon as large numbers are offered prices will drop very quickly, and instead of making 60 to 75 cents per head little more than half this amount will be made.

Sprouting Oats for Winter Feeding

Many of our readers, no doubt, have tried the feeding of sprouted oats to hens during the winter, a great many more have not. Sprouted oats supply during the winter about the best imitation of summer pasturage that is possible to obtain.

The method of preparing sprouted oats is as follows:—The quantity of oats required is soaked overnight in a bucket of water, and then placed in boxes or tins which should have holes bored or punched through the bottom to allow drainage. No soil of any description is used, but a layer of the grain is placed in each box or tin to the depth of about one inch. These receptacles containing the oats are then placed in a dark place and the grain is well watered once daily with an ordinary water can fitted with a rose spray. As a dark place in which to sprout oats, we use large tanks, which are covered with old sacks in order to keep them dark, but packing cases would serve the purpose equally well. It is necessary to place the tins or boxes in pieces of wood so that they are raised from the floor of the sprouting chamber; otherwise they are likely to be partially submerged in water which is liable to accumulate from the daily watering. After the grain has been in the Jark chamber for four or five days an examination will show that it has begun to "throw out fine white roots, and this is quickly followed by young shoots or sprouts which rapidly grow until in ten or twelve days' time you have the tin or box full of lovely green sprouted oats which the fowls will eat greedily. If left too long, the sprouts lose their fresh green color and gradually turn yellow. While the oats have been sprouting, the roots have also been growing rapidly, and by the time the green food is ready it will be found that the grain has been bound together into a solid mass by these, so that it is necessary to cut the mass into sections with a spade or sharp knife. The oats should not be watered for twenty four hours before feeding in order that the roots and grain



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HOW TO MARKET PRODUCE IS A STUDY WORTH WHILE

In the published reports of the great conference on Marketing and Farm Credits held last summer in Chicago the following sentence in the preface is striking for its simplicity, conciseness, and force: "While the people are complaining of the high cost of living, many farmers are finding that their business does not yield profitable returns on labor and investment. This constitutes the giant paradox of our time."

How well put, how short and pithy, yet how eloquent an epitome of conditions. And what was said of the United States applies with equal force to Canada and Canadian producers. We, too are complaining of the high cost of living and we too, know that our producers are actually producing only to waste, for lack of marketing facilities.

What is the trouble? Unoubtedly a lack of organization at both the selling and the buying end is a chief factor in the situation. This question of the effective organization of the farmer was discussed by some nine or ten speakers at one session of the conference and their talks threw much light on a problem which has been in the making for generations and ages. From the several addresses delivered on the topic, "Why Farmers are Unorganized," we select a few extracts which "fit the case" whether applied to the United States or to Canada: "Managerial ability is of great importance. I know of instances where managers have been appointed and their wages fixed at \$175, when all of a sudden the farmers, having found that they could get another manager for \$125, would say to the man in charge: "You take this wage or you take another place."

Skim the milk as soon after milking as possible, and cool the cream at once.

Mr. Townsend, editor of Punch, is curiously ambidextrous. He draws with his left hand, but writes with the right; plays billiards left handedly and deals cards with the right hand. When playing cricket he bowls with his left hand and bats with the right.

Alfalfa Versus Timothy

In one ton of alfalfa hay there are 1,044 pounds of digestible nutrients of which 220 pounds are digestible protein. In one ton of timothy hay there are 952 pounds of digestible nutrients, of which 56 pounds are digestible protein. The nutrients in the timothy hay are furnished a little cheaper than in the alfalfa, but the protein in the alfalfa is far cheaper than in the timothy. As a dairy feed we would consider alfalfa hay cheaper at \$26 per ton than timothy at \$20.

may dry out to a certain extent. When ready for use turn the whole mass out of the receptacle in which it has been grown, and cut up with a sharp spade or knife into blocks, and give to the birds who will eat both the roots and the green growth. It is occasionally found, on turning out a tin of sprouted oats, that a certain amount of fermentation has set in at the bottom of the roots. In such cases it is necessary to cut off the affected parts, for, if fed to the poultry, it is liable to cause disease."

DIED IGNORANT OF HER SON'S PLIGHT

The mother of former Police Lieut. Charles Becker, who is in the death house in Sing Sing awaiting execution for the part he played in the murder of Herman Rosenthal, died at her home Friday. She was very old, and had been bedridden for years. She died in ignorance of her son's plight.

When her son Charles ceased to visit her, another son, John, told her Charles was suffering from rheumatism and had been sent to a sanitarium. This explanation sufficed.

To wash milk utensils use first cold water for rinsing, second, warm water containing a small quantity of good washing powder, for cleaning, third, boiling water or steam for sterilizing.

Skim a cream testing from 35 to 45 per cent—the richer the cream the better it will keep. By skimming a rich cream, more skim milk is left at home for feed, and there is also smaller bulk on which to pay express charges.

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A FATAL ELOPEMENT

(Continued from page 7.)

Orella stepped out on the balcony. She was glad he had left her as he did; for if he had remained another moment, she would certainly have cried out, so great was the pain at her heart.

The truth had come to her in an instant, quick as the flash of lightning that blights a fair tree. Miss Forrester's surmise was quite true—the preferred fair, gentle Lillas to herself.

Had she been blind, that she, of all people, had not noticed it before? She was in a whirl of emotion.

"He must know that I love him," she murmured, passionately. "Why should I love him so?" she repeated, hoarsely. "Why should it be my fate to love this man who does not care for me?"

And then and there she made a vow which influenced her future life and made of it one long tragedy. She vowed that she would win his love from Lillas at any cost.

"She stands between me and a fortune," she muttered; "and she stands between me and the man I love!"

CHAPTER XII

The morning of the lawn party dawned clear and bright, and the view of the surrounding country was magnificent. Both girls were up early that day, Lillas humming a sweet refrain from the joyousness of her heart, Orella, restless and uneasy with strange misgivings, watching the road intently.

An early breakfast was prepared, and Lillas entered the dining room and partook of her simple repast alone, then hurried into the garden afterward to gather a few flowers to leave with Mr. Overton.

The hour of the lawn party was not far off, yet it seemed a long while for patient, waiting Lillas, who had thought of this pleasure by night and day until it had become almost a part of her life.

Orella came down to the breakfast room in a flurry of feverish excitement.

As she was passing the corridor, she caught sight of a slim, dark figure fluttering among the rose bushes in the yard beyond, and she knew that it was Lillas.

"Is that you, up and dressed so early? For whom are you picking that bouquet of choice flowers?" asked Orella, loftily. "For your escort, if I may ask?"

"Oh, no," laughed Lillas, modestly. "I am only gathering a few roses for Mr. Overton. He is so fond of flowers. I had not thought of my escort until you spoke."

"I know of some one who would have liked to have escorted you to the lawn party, and who begged me to ask if he might have the pleasure of your company there. I had forgotten all about poor Harry Reardon's request until just this minute, which I fear is too late, is it not?"

"Yes; thanks! I have my escort, and that was arranged some time ago, as I told you the other day; yet it was very good of you to mention me to him, I am sure."

"Not changing the conversation, would you mind coming upstairs a few minutes and letting me see what you intend to wear? I know it is prettier than my dress."

(To be Continued)

INTERESTING ITEMS

The first of a series of six co-operative flour mills has been built in Billings, Montana. The mills are to be run on the toll system, by which the farmer gives a portion of his wheat for having the rest of it ground.

So large was the flock of wild geese which passed over Kingston, N. Y., recently, that it required more than three hours for the flock to pass, and the sky was darkened during that time.

A coroner's jury at Carlisle, G. B., returned a verdict of accidental death at the inquest on David Jamieson, aged eight years. The boy was an inmate of the Harray Hill Workhouse reserved for pauper children. The workhouse master had prepared a hot bath for the boys. In his temporary absence the boys played about the bath room, and Jamieson climbed up to the bath and fell in. The lad, who was described as awkward and clumsy, was so scalded by the water from the hot water tap that he died from shock.

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