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THE FARMER'S REALM.

Practical Suggestions For The Improvement of The Farm.

AUTUMN CARE OF THE COW

At this season of the year, when farmers are extremely busy preparing for winter, the dairy cows are apt to be neglected. Frequently they are left to pick a scanty living from bare pastures and the fence corners of grain fields, exposed to all the inclemencies of the autumn weather. The highly organized dairy cow is very sensitive to sudden and extreme changes in the weather, and nothing could be more detrimental to economical milk production. The flow of milk is often so materially lessened that it cannot be brought back to the normal standard during the winter. Exposure to storms and lying on the cold, damp ground at night not only lead to a decreased flow of milk but they are very apt to cause udder troubles, rheumatism and other diseases, and in some cases even death. It is, therefore, advisable to see that the cows get a sufficient supply of suitable food during this critical period, and that they are protected from storms during the day and comfortably stabled at night. That eminent dairy authority, Prof. Haecker of the Minnesota Experiment Station, has given considerable attention to this subject, and some of his experiments and conclusions are well worthy of consideration by owners of cows. In the course of an article on the fall care of cows he says:—

disregard the bodily comfort of the cow is to court and insure disappointment. A cow will fail to elaborate a full mess of milk if she is wet or shivering from cold, no matter how generously she is fed. Autumn is a more critical period for a cow fresh in milk than in winter. Cold rains and raw winds are fruitful causes of decreasing milk. The first makes inactive the muscular system, while the latter so disturbs the nervous system, that it fails to perform its work. Cows should therefore not be exposed to fall rains, left out during cold nights, or confined in muddy or wet yards at any time. The proof of this story was clearly demonstrated by the Minnesota Station herd two years ago. Some changes were being made in the cow barn which made it inconvenient to stable the cows for a few days, and just then a cold, rainy spell set in, to which the cows were exposed. There was not only a very marked shrinkage in milk and butter fat at once, but they failed to recover during the winter though the feed was liberal and the care the best that could be given. The cows gave 16.11 lbs. of milk and 8 lbs. butter fat a day during the winter. It was known when the shrinkage took place and why, but the attempts to recover it failed. The next year such an experience was guarded against, and the same herd gave a daily average of 28.4 lbs. milk and 1.2 lbs. fat. I may be asked what the cows did with their food, since they were fed liberally during the winter. They made beef or fat with it, for each gained an average of nearly half a pound a day, a gain that did neither the cows nor the owner any good. During the two winters the herd was composed of the same cows, fed the same rations and received in every way the same careful attention, and yet because of the mishap the herd failed by just fifty per cent of doing its normal or possible work. Please think of this, and do not lose money by needlessly exposing cows in the autumn. COWS THAT DO NOT PAY. Mr. J. C. Chapais, Assistant Dairy Commissioner, who is particularly well acquainted with agricultural conditions in Quebec, said in an address: From my experience I am led to believe that the reason why the Badoeck test is not more generally adopted as a basis for payment for milk is lack of knowledge on the part of the farmers. They do not know anything about the true value of cows. When they are told that a cow that yields thirty pounds of milk is more valuable than one yielding forty pounds they do not understand it. I came across an instance of this kind when I was working with the inspectors in the Lake St. John district. One man

said, "I have the best cow in the parish, she gives sixty pounds of milk. I want to sell her, but I don't know what to ask for her. I have heard that you are a milk expert, and I thought I would ask you to tell me what to ask for her." I told him that I would try to help him, and I asked him to let me see the cow. He took me to a cow owned by him, whose milk cost only 24 cents per hundred pounds. I showed the man that the percentage of butter fat in the milk of his cow was 2.85, while in that of the priest's cow it was 5.50. I was able to show him that, instead of having the best cow in the parish he had the worst. The result was that, whereas this man generally sold a calf at \$15 at birth, the next year, though the calf was a heifer, nobody would buy it. This shows that the farmers will understand this matter if we go to them and explain it.

What, asked Father Time, has become of your famous patcher? Death grinned a ghostly grin. Oh, he replied, since the automobile was invented I've turned him out on pasture.

TO CURE FEVER CHILLS. And such complaints as chills and ague we recommend Nervine very highly. Twenty drops of Nervine taken in hot water, with a little sugar three times daily not only stops the chills but knocks out the disease completely. Nervine has a direct action on fever chills and removes the conditions causing them. In stomach and bowel troubles Nervine never fails. It's pleasant to the taste, quick to relieve and always cures permanently. Get a 25c. bottle today.

The goat had devoured all save the last page of his favorite magazine, when a line of poetry caught his eye. He kissed her on the marble brow, read his goatlets. Say, he said unto himself, if I had a brow like that I'd go over and help the Japs butt Russia off the map.

CASITORIA. The Kind You Have Always Bought. Bears the Signature of *Chas. H. Fletcher*. I say, Jones, do you happen to know anyone who has a horse for sale? I have reasons for believing that Green has. Why do you think so? Because I sold him one yesterday.

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