DAIRY FACTS

COVERED SPACE FOR DAIRY HERD

(Prepared by the United States Department of Agriculture.)

The open shed or covered barnyard is a practical method of housing dairy cows. It provides the best-known method of saving and preserving all the fertilizing constituents of the manure; it permits the feeding under shelter of roughage and makes possible its utilization for bedding; when there is plenty of bedding, cows so housed keep cleaner than those confined in stanchions. These are the principal points in favor of the open shed system, says the United States Department of Agriculture.

In an experiment at the Beltsville station it was found that the cows in the open shed produced a little more milk, but at a greater cost for feed, than the cows in the closed barn. The more timid cows were fought away from the feed racks in the shed, which resulted in a much lower production from such cows. Probably it would be a matter of economy to confine the cows at feeding time. Cows so housed should be dehorned.

The labor required under the two systems was slightly greater with the open shed. Had the cows been milked in the open shed this would not have been the case, but since this practice is not recommended in the production of market milk, the cows in this experiment were taken to a separate stable for milking. Sixty-eight per cent more bedding was used in the open shed.

Helpful Plan Outlined to Dehorn Young Calves

During each year there are many questions about killing the horns on little calves. Thus we print the following from a bulletin from the Ohio experiment station:

When the calf is four to seven days old the hair over and around the knobs that later produce horns is clipped close. The moistened end of a stick of caustic potash is then rubbed over the horn until a spot about the size of a dime becomes raw.

Grease may be applied to the outer edge of the spot to prevent spread of the caustic and making the sore larger than necessary.

The calf should be kept in the dry for a few hours after the treatment. Following the successful application of the caustic a scab will form over the knob and drop off in a few days.

Stick caustic potash can be procured at a drug store for a few cents, and may be kept for some time in a tightly stoppered bottle. While handling the caustic it should be wrapped in paper to prevent injury to the hands.

Lactic Acid Bacteria in Milk Causes It to Sour

Milk sours because of the affection for it of tiny germs, called lactic acid bacteria.

Lactose, which is milk sugar, is converted by these bacteria into lactic acid. When development of this acid has gone far enough, the milk sours.

Lactic acid bacteria are everywhere and their numbers multiply fast in ordinary market milk if the milk be warm, while at a cooler temperature their multiplication is slower. In evaporated milk, which is simply pure cow's milk sterilized in cans and with 60 per cent of the water removed, lactic acid germs have no opportunity to get to the milk, which explains the reason why the evaporated product in hermetically sealed cans will keep indefinitely on the pantry shelf.

Lactic acid forms on the milk proteins, causing them to precipitate in the form of a curd. When small quantities of acid are present, the precipitate is flocculent. When large quantities are present, the precipitate is heavy and forms a compact curd.

Dairy Hints

Feed a bulky, palatable ration, including salt.

* * *

Feed the cows a ration made up of several feeds for variety.

* * *

Under natural conditions the calf takes its milk frequently and in small quantities.

* * *

Using a milk stool on a cow's back, it has been found by actual experience, improves the cow exactly as much as the milk stool.

* * *

The young dairy calf must be kept healthy. Impaired condition the first year may mean impaired capacity for production when a cow.

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More attention to the care of milk and cream will improve the quality and eventually command a higher price.

* * *

Ground soy beans make an excellent feed for dairy cows and dairymen are beginning to grow them for that purpose.

* * *

The importance of using the cleanest of vessels to hold milk is shown by the fact that 80 per cent of the bacteria in market milk come from utensils

Notice To Cream Producers

I will continue to buy CREAM on and after

January 1st, 1927,

from all producers holding dairy farm permits complying with the regulations of Baltimore City Health Department.

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The girls urged to go in for artistic careers, and many of them anyway are doing much painting.

Somehow the kids don't feel that same deep interest in learning the Sunday school lesson and filling up the woodbox, that they did before Christmas.

You could formerly amuse the girls by popping corn, but it takes popping the question now.

Predicted that the human eye will soon be able to see across the ocean, but some human eyes around here can't see into their own back yards to discover how disorderly they look.

Scheduled to Be a Bridegroom

By MARTHA M. WILLIAMS

(Copyright.)

"IF WISHES did really turn to horses, I know I'd be riding every day." Roxy complained:

"Midge—what d'ye reckon makes things run so contrary? Look at us! Wantin' everything, got next to nothin'. And Evelyn Dorr that has got everything anybody can want, all set to marry a nice rich husband."

"Would you swap places with her?" Midge asked, a twisted smile curling her lips.

"What can her bridegroom see in her?" Roxy questioned. "So far—only a fortune. D'ye know he's to see her for the first time an hour before he marries her?"

"No! It can't be that way! Who told you?" Roxy cried breathlessly.

"Nobody—I just heard," Midge said. "Couldn't help it. I was out on the back porch early this mornin' when here comes Judge Jacks hot-foot, wantin' Daddy. I hunted him up—and they went in the garden—he told dad the Dorrs wanted to hire him to come afternoons until the weddin' day—seems daddy's the only thing wearin' trousers she ain't mortally 'fraid of. And daddy's to halter-break Evelyn against the bridegroom's comin'."

"I understand," Roxy nodded. "He christened her, buried her twin that had a glimmer of sense, and saved her from school—made them get a governess instead."

"Yet—he's always talkin' about his conscience," Midge interrupted, "and is helpin' this poor stranger to his ruin. I'll say for him, though, he r'ared right up first off—but old Jacks pulled the weep-stop—sayin' it was a husband or sentence to life imprisonment in a sanitarium—and that would just crush the family."

Roxy nodded energetically. "In that case," she said, "I've got to save him from himself."

* * * * * * *

Exactly thirteen days later, the Reverend Kenneth Luton faced in his shabby study, an upsetting presence—something tall, muscular, well-knit, with a determined chin, and eyebrows inclined to meet over very deep eyes. To be exact, Royal Quinton, Esq., Evelyn Dorr's predestined bridegroom, in spite of his outward calm, was tremulous inside. For two reasons—a letter resting in his breast pocket—and the glimpse of a girl's face peering at him through a tangle of roses.

Without preface he began: "I have come, sir, to ask truth absolute—between gentlemen," Quinton flung out. "I am told you know it—you alone. It concerns the girl I am due to marry tomorrow morning. You know her intimately?"

Luton nodded. "From her cradle up," he said. "I begin to guess your desire—explanation, if there is one, of why, though the match was arranged at her birth, you have not been permitted to see her since childhood."

This time Quinton nodded, saying through dry lips: "She was just six—and ran away from me screaming to hide behind her mother."

"You know—the worst I could tell you," Luton interrupted. "Evelyn is still abnormally shy—due, I think, to the sheltering love, the unwise pampering which is all she had known."

"Would you let your son marry her?" Quinton broke in.

Luton smiled tolerantly, answering: "No need to make up my mind over a mythical son. Marry Evelyn, be tender, true and infinitely patient—and happiness is your sure reward."

"Doubtless you are to officiate," Quinton said dully.

Luton shook his head. "I shall not even assist," he said. "Only the bishop fits with the Dorr consciousness—but I shall be on the sidelines—if you need support."

"I shall need it—God help me," was Quinton's thought. But he made conventional remarks and rushed to his car, in which he drove furiously until black dark, tormented with devils of doubt. The letter had run: "Before it is too late demand the truth, from the only one who knows it—my father. I write this because of my conscience—to save you from life-long misery, and him from a crushing remorse." It was signed Roxy Luton.

Dorr pride could not waste a bishop upon any mere handful. Evelyn was too delicate to risk a church ceremony—but at home, with only familiar things about, she wouldn't mind. Besides, she was so taken up with wedding finery—the jeweled brocade gown, the veil of priceless lace used by great grandmothers, she had no thought of the groom. A brave show, the bride on her father's arm, sweeping down the winding stair, the flowers, the music, the blotches of kindly faces—no great crowd, of course, but enough for a background. Roxy and Midge were in the farthest ranks.

"After all—I'm glad he didn't mind," Midge whispered. "But our parent must have taken liberties with the truth."

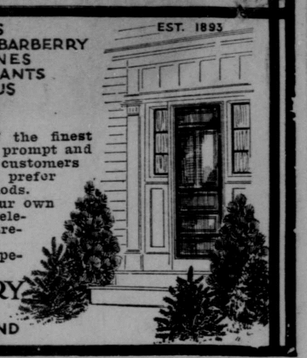
Roxy's hand hushed her imperatively. Suddenly at rest, Evelyn lifted her eyes—they fell upon Quinton advancing leadenly toward her. She began to shiver violently—but held silent till the bishop opened his book. Then with a wild shriek, she rushed to Luton, flung her arms about him—and swooned dead away upon his breast.

Of course it was Roxy whom Quinton married a year later. They do not speak of Evelyn, utterly mindless now and richly content. For once her mother comes, bringing along Mr. Luton—whose conscience is still so acute it goads him into doing faithful penance.

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