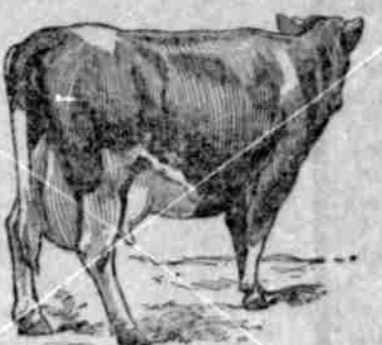




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received as a producer of butter fat. This cow is the property of T. S. Tompkins, White River Lake, Minn. We are indebted to Mr. S. Hoar, superintendent of the Holstein-Friesian Advanced Institute, for a copy of the detailed record made by this cow from Dec. 17 to 23, 1901, inclusive.



MERCEDES-JULIA'S PICTURES. The recent rise in the price of feed-stuffs has played havoc with the makers of milk who are bound by a contract price, says The Breeder's Gazette.

Instead of presenting all the figures of these successive milkings and tests, which would tend more to confusion than clearness for the majority of readers, we give the aggregates and averages by days as follows:

Table with 5 columns: Date, Pounds milk, Average butterfat, Pounds fat, No. milkings.

Lowest test, 10 a. m. Dec. 17, 27 per cent. Lowest yield milk, 10 a. m. Dec. 18, 15.5 lb. Highest test, 10 a. m. Dec. 19, 47 per cent.

Professor C. D. Smith, director of the Michigan experimental station, states that it is his judgment that "a cow yields as rich milk as a heifer as she will as a mature cow."

What is the opinion of our readers on this question? asks Hoard's Dairyman. Does the cow give as rich milk in her first milking term as when she has become mature?

John Albright in an address before the New York Dairyman's association said: "Test and weigh the milk of each cow for three consecutive days of each month. Of course a composite sample is taken which will give the average test for the three days and will include only one actual test. In making these tests it may soon be discovered that some of the herd are kept at an actual loss, while others are yielding a good profit."

Albany (N. Y.) milk dealers are having difficulty in maintaining the retail price at 8 cents per quart. The demand has fallen off somewhat on account of the increase of 2 cents, and some dealers, rather than carry their milk to back home, have been cutting the price to 6 cents.

Milking is an operation which requires skill, as it has an important effect on the amount and quality of milk given. Dairymen know that there are as great differences between milkers as between cows and that the one who does much better with good milkers than with others.

The milk should avoid handling the cow more than is necessary, and he should make it a rule to do his work quickly and thoroughly. He should never go from a sick to a well cow without first cleansing his hands.

The hands should be kept dry. If they are not, it is impossible to prevent drops of milk from constantly falling from them into the pail.

The pail should be held close to the udder, so as to expose the milk to the air as little as possible. The farther the streams fall and the more they spray the more dirt and bacteria they collect.

Contamination from the fore milk must be avoided by discarding the first few streams drawn, or less than a gill in all. This entails little loss, as the first milk drawn is always poor in butter fat, and if it happens to be badly contaminated, as is frequently the case, much injury and trouble may be saved.

Cleanliness the Prime Requisite. A writer says: "The prime requisite in making good butter is cleanliness, which must begin as far back as the food for the cows, the water they drink, the air they breathe and the place they live in."

A GREAT RECORD. A Holstein-Friesian Cow in the Lead as a Milk Producer. It gives us much pleasure, says Hoard's Dairyman, to present a picture of the cow Mercedes Julia's picture. It is F. H. B. 39480, albeit the picture itself is very far from being a work of art or in any sense worthy of its subject. It will, however, serve the main purpose of its publication, which is to set before the student of dairy farm the outlines and conformation of a cow that has recently made a new

record as a producer of butter fat. This cow is the property of T. S. Tompkins, White River Lake, Minn. We are indebted to Mr. S. Hoar, superintendent of the Holstein-Friesian Advanced Institute, for a copy of the detailed record made by this cow from Dec. 17 to 23, 1901, inclusive.

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Feeding the poor is only collateral to wanting fodder in the field, and as it is a business axiom that the first loss is always the best it is likely wise to lose the fodder directly than lose it through an unprofitable animal after having added the cost of hauling and feeding, says W. P. McSparrow in National Stockman.

Keep Things Clean. You don't know unless you have tried it how it increases a common cow's self respect and incidentally her milk yield to have a clean, sweet stable to walk into night and morning, and that is how you can know to a certainty just how long they can be depended upon to maintain a profitable flow of milk, and this in the dairy is an important consideration, as to be a profitable dairy animal the length of time she will give a good flow of milk is as important as the quality.

Kindness that Pays. In order that a cow may give the greatest quantity of the richest milk it is necessary that she should be subjected to gentle treatment, never be handled by dogs, never struck with sticks, never even be roughly spoken to, but petted and made much of as far as possible.

Slilage as a Milk Food. The silage-friends every year, and it will not be many years until every progressive dairyman will put his corn crop in a silo and thus get the best possible results from it, says Dairy and Creamery. Corn is the cheapest feed that can be grown in this country and in the shape of silage is the best food for dairy cows.

THE TANK HEATER. Warm Water, Hot Cows, Is Cheaper Than High Priced Feed. The recent cold snap has well demonstrated the value of a tank heater. It would be a tremendous task to calculate the amount of suffering and consequent loss to stockmen that have been caused by water tanks being frozen over and by stock being obliged to drink ice water after an unexpended attendant had hauled the ice and hauled out the big pieces.

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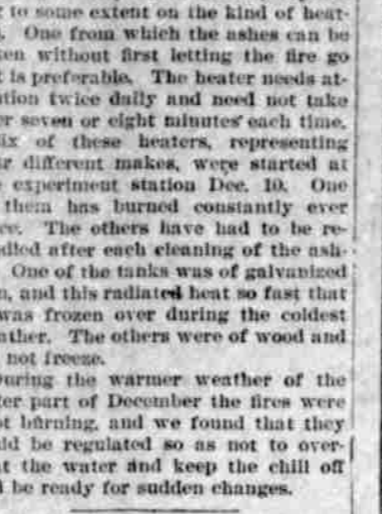
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all it needs and at a time it is needed without being chilled, says the Kansas Farmer. The temperature of cattle and horses is about 100 degrees F., and this temperature is maintained by the food they eat, and everything should be done in the way of preventing the loss of heat by economically supplying an additional source of heat.

During the warmer weather of the latter part of December the cows were kept hibernating, and we found that they could be regulated so as not to overheat the water and keep the chill off and be ready for sudden changes.

The simple device here illustrated can be used in nearly every cow stable to keep the tails clean and prevent the



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Advertisement for Asthma Cured Free. 'There is nothing like Asthmalene. It brings instant relief, even in the worst cases. It cures when all else fails.'

Advertisement for Asthma Cured Free. 'The Rev. C. F. Wells, of Villa Ridge, Ill., says: "My trial bottle of Asthmalene received in good condition. I cannot tell you how thankful I feel for the good derived from it."

Advertisement for Asthma Cured Free. 'REV. DR. MORRIS WECHSLER, Rabbi of the Cong. B'nai Israel, New York, Jan. 3, 1901. Drs. Taft Bros., Medicine Co., Gentlemen:—Your Asthmalene is an excellent remedy for Asthma and Hay Fever, and its composition alleviates all troubles which combine with Asthma. Its success is astonishing and wonderful.'

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