

# DAIRY FACTS

## CLEAN UP TO CHECK DISEASE

Diseases of Calves Have Been Lessened at Ohio Station by Disinfecting Dairy Stables.

Disinfecting dairy stables checks contagious and infectious cattle diseases. A thorough clean-up followed by disinfection about twice a year with a coal-tar disinfectant is recommended by the Ohio experiment station.

Calf diseases have been lessened in the dairy herd at the experiment sta-



Spraying a Dairy Stable.

tion by disinfecting the stables each spring and fall. Digestive troubles, particularly white scours, have not been troublesome and fewer deaths in calves have occurred after this practice was adopted. Less garget in cows has been evident. The same treatment will help to hold in check tuberculosis and contagious abortion in herds where these diseases are prevalent.

Thorough disinfecting is urged to kill all disease germs in every possible lurking place. Mangers, stalls and floors need special attention. Coal-tar dips are used at the experiment station. After disinfection the stables are whitewashed.

## GENERAL CARE OF UTENSILS

Four Important Rules That Should Be Followed in Washing and Drying Milk Vessels.

General recommendation for the care of utensils are:

1. Rinse in lukewarm water as soon after use as possible.
2. Wash in hot water containing washing powder which will remove grease.
3. Rinse in clean hot water and place in live steam 15 seconds, drain and place right side up until steam evaporates.
4. Invert in a clean protected place when dry.

## LOCATE CAUSE OF LAMENESS

Many Make Mistake of Not Making Careful Examination, Simply Applying Some Liniment.

Cows go lame. Instead of making a careful examination to find out the cause, we use a lot of liniment and think we have done all that is required. After much suffering on the part of the innocent animal we find perhaps that the trouble was due to a nail or something else in the foot.

It pays to watch for and guard against such accidents to live stock.

## UTENSILS NEEDED FOR TEST

Outfit Can Be Procured From Any Creamery Supply House for Comparatively Small Sum.

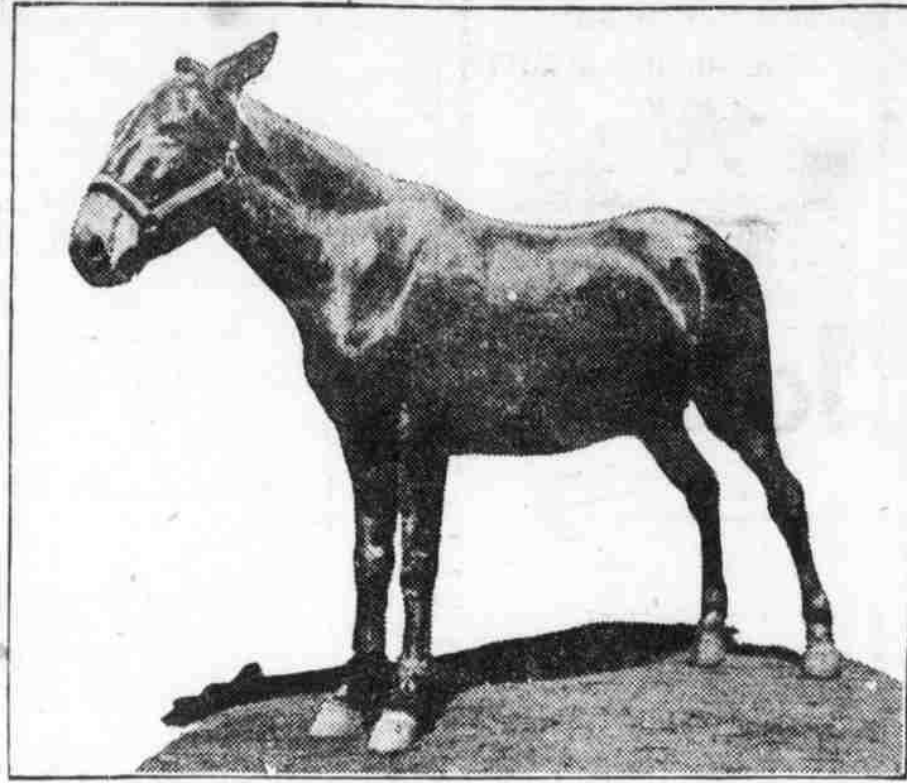
The utensils needed for the Babcock test are a Babcock tester, a few test bottles, a pipette, an acid measure, some sulphuric acid and a pair of dividers. All this can be procured from any creamery supply house for from \$5 to \$10, according to whether a four or an eight bottle tester is wanted.

## MILKING MACHINE IN FAVOR

Attention Called to Device on Account of Labor Shortage—Farmer Saves Time and Labor.

The labor shortage calls marked attention to the milking machine. It will pay to install one on farm where 20 or more cows are milked daily. You can get as much milk as by hand milking and can save time and labor.

## NO ANIMAL SO EASILY HANDLED AS MULE



ALWAYS READY FOR ANY KIND OF HARD WORK.

There is no animal so easily and pleasantly handled on the farm as the mule, says a writer in an exchange. All the farmer who works a mule needs in the way of a barn is a good paddock or lot of one or more acres, according to the number of teams that he is working. In this paddock build a good shed suitable to whatever country or climate you are in. In this have a good long rack and keep it well filled with sweet hay, corn fodder, cane or other roughage. There must be a good trough kept well filled with corn, oats, bran or barley. A tank supplied with good water must be accessible. This is all you need to handle a bunch of work mules. When your mules come in from work, take the harness off and turn them loose in the paddock.

### Eat, Drink and Rest

The mule will lie down and take a roll, lie there a few minutes and then get up, walk to the hayrack and eat a little hay. Then he will go to the water tank and drink, then take another roll and eat some grain, and then go back to the hayrack and eat

more hay. In this way he will eat, drink and rest all night, and when you are ready to go to work, Mr. Mule is ready, too.

### One Man Sufficient.

No stabling, no bedding, no currying and no feeding, except by one man who sees to filling the troughs, hayrack and water tank. A bunch of work mules handled in this way and worked hard every day will, at the end of six months, be better and fatter than when you started with them.

### Horse Would Be Lacking.

Now you never could handle a bunch of horses in this way. It would only be a few days until your horses would begin to show up bad, some would be foundered, some crippled and some lame. A mule seldom balks or runs away. You often find a balky horse, and when the horse runs away he tears up the harness and wagon or plow and often cripples himself. It does not take so much to raise a mule, and before you know it he is old enough to work, and you always have plenty of work stock and have a few good teams to sell each year.

## PLAN FOR STORAGE

Southern Farmers Need Not Pay Fancy Prices for So-Called Patented Ideas.

## NO MYSTERY ABOUT BUILDING

Designs of Houses for Storing Sweet Potatoes Furnished Free to Any Farmer by the Department of Agriculture.

(From the United States Department of Agriculture.)

There is no mystery about building a satisfactory storage house for sweet potatoes. Southern farmers who are paying large prices for patented plans and equipment alleged to provide the only successful way of storing sweet potatoes, are being defrauded. Specialists of the United States department of agriculture have called to instances in which farmers have paid as high as \$750 for sets of plans, do not hesitate to brand such activities as plain humbuggery. Plans of houses that incorporate the simple principles of storage and common-sense methods of construction, and which have proved successful by years of careful trial, are furnished free by the department to any farmer who will ask for them.

### Misleading Reports Circulated.

Because reports have been made and circulated in the South that storage houses recommended by the department are not satisfactory, it is believed necessary, now that the time to provide adequate storage for the coming harvest is at hand, to correct such statements. One man with plans to sell has said that the shrinkage of sweet potatoes stored in houses designed by the government specialists is from 16 to 20 per cent; while in houses of his design there is practically no shrinkage. The fallacy of such a claim, department specialists point out, lies in the fact that shrinkage is essential to good keeping of the potatoes. Sweet potatoes stored in the type of house recommended by the department shrink from 8 to 10 per cent—in weight, not bulk—by reason of evaporation of surplus moisture. Proper curing of sweet potatoes means getting rid of surplus moisture, and the type of house which the specialists suggest accomplishes this by combining the ordinary principles of good ventilation with common-sense methods of construction.

### Department Plans Give Satisfaction.

Storage houses built according to plans suggested by the department have been in use in every state of the South for five or six years. The department has no knowledge of failure in any house built and operated strictly according to recommendations. Four years of investigation with 100 houses under observation showed that the average loss by decay, after an average period of 124 days, was less than 2 1/2 per cent. In determining this loss representatives of the department personally graded the potatoes in each

house—a total of 228,000 bushels. Every potato that had a decayed spot was thrown out and classed as decayed. In each case the potatoes were harvested, stored, and cared for by farmers. In the department's own storage house at Arlington, Va., sweet potatoes stored in October last year and removed the latter part of June showed a loss of less than 1 per cent. Farmers intending to build storage houses should write to the Division of Publications, Department of Agriculture, Washington, D. C., for Farmers' Bulletin 548, Storing and Marketing Sweet Potatoes. This bulletin gives plans and lists of materials needed and also tells how to convert buildings such as abandoned tenant houses into storage quarters.

## WHERE SOY BEAN WILL GROW

Plant Will Thrive Almost Anywhere North of Louisiana and South of Iowa State Line.

The soy bean is a comparatively new plant in many sections of this country, but it will grow and do well almost anywhere north of Louisiana and south of Iowa. It can be grown to the north and to the south of the two states mentioned, but its best regions seem to be within the parallels of latitude marked by these states. Soy beans have, in fact, been grown along the shores of the Gulf of Mexico with the best of success and some enthusiastic growers believe they will produce a crop anywhere south of the Canadian boundary.

In Missouri, Kansas, Tennessee, Oklahoma, Arkansas and Illinois soy beans are now recognized as a highly valuable forage. In some places they are driving out the old reliable cowpea, as they have been found an even better forage than the peas. Like the peas, they serve to enrich any soil in which they may be planted. In Tennessee and Arkansas the soy bean is particularly valuable, as the soil and climate of these states seem to fit its requirements exactly.

## SOURCE OF DELICIOUS MILK

Qualified Veterinarian Should Be Called Upon to Inspect and Test Each Cow Every Year.

(Clemson College Bulletin.)

The family cow should be a constant source of cheap, pure and delicious milk. Such may be the case if a few precautions are taken. It is frequently observed, however, that under the conditions surrounding the family cow only dirty, diseased milk can be produced.

A cow may be suffering from tuberculosis, the worst disease to which she is subject, and still show no signs of it to the proud owner. For the sake of the children who drink the milk, a qualified veterinarian should be called upon to inspect and test each cow every year.

With the assurance of a healthy cow, she should be housed in a clean, well-lighted shed and provided with a clean yard in which to exercise. The milk should be drawn into a clean, small-topped milk pail and kept cool until consumed.\*

# DANGEROUS CALOMEL IS SELDOM SOLD NOW

Calomel Salivates! It Makes You Sick and You Lose a Day's Work—Liver Tone Acts Better Than Calomel and Is Harmless for Men, Women, Children—Read Guarantee!

Every druggist here, yes! your druggist and everybody's druggist has noticed a great falling-off in the sale of calomel. They all give the same reason. Dodson's Liver Tone is taking its place.

"Calomel is dangerous and people know it while Dodson's Liver Tone is safe and gives better results," said a prominent local druggist. Dodson's Liver Tone is personally guaranteed by every druggist. A large family-sized bottle costs only 50 cents and if you find it doesn't take the place of dangerous, salivating calomel you have only to ask for your money back.

Dodson's Liver Tone is a pleasant-tasting, purely vegetable remedy, harmless to both children and adults. Take a spoonful at night and wake up feeling fine, no sick headache, biliousness, ague,

sour stomach or clogged bowels. Liver Tone doesn't gripe or cause inconvenience like calomel.

Take a dose of calomel tonight and you will feel sick, weak and nauseated a day's work!

Dodson's Liver Tone is real life. You'll know it next morning because you wake up with your head clear, your bowels clean, breath sweet and stomach full. You will feel cheerful and full of vigor for a hard day's work.

You can eat anything afterwards of salivating yourself or your child.

Get a bottle of Dodson's Liver Tone on my guarantee. You'll never again get of nasty, dangerous calomel into your stomach.

## SERUM FOR RAT-BITE FEVER

Japanese Physicians Declare Cure Is Obtained From Veins of Persons Who Have Recovered.

A group of eminent Japanese doctors has been busy studying rat-bite fever ever since Futaki, Ishiwara and their associates reported two years ago the discovery of the microbe that causes it. This is a spirochete, so-called because its form is spiral or zig-zag. Several types of this spirochete were found in men who had been bitten by rats, and in guinea pigs that had been experimentally inoculated. These were identified by Futaki as in all probability identical.

Doctors Renjito, Kaneko and Kikuzo Okuda of the Imperial university in Kyushu, Fukuoka, Japan, contribute to the Journal of Experimental Medicine a confirmation of Futaki's belief; Doctor Rokichi Inada contributes a description of the disease; Doctors Yutaka Ido, Rokuto Holt, Hiroshi Ito and Hidetsune Wani describe experiments that prove the rat to be the common carrier of the spirochete *Spirochaeta rathetica*, as the microbe of the disease is called; and Doctors Yutaka Ido, Hiroshi Ito, Hidetsune Wani and Kikuzo Okuda discuss the possibility of producing immunity.

The latter go into details of their experiments and come to the conclusion that the "serum of persons who have recovered from rat-bite fever contains an immune body which destroys the spirochetes of that disease."

The importance of these articles lies in the final proof that this spirochete is the cause of the fever, that rats are the carriers, and that the disease can be cured.

### Minimum of Waste.

"No waste, now, ma; no waste. We all gotta help." "You attend to your own business," snapped ma, with some acerbity. "The only things I throw away are tea leaves and egg shells."

The man who borrows trouble is generally pretty good about paying it back.

### Willing to Participate.

Willard was napping when his young brother came and begged him to play train. With unusual indulgence he said, "All right, I'll be the sleeping car," and continued his rest.

### To Drive Out Malaria

And Build Up The System Take the Old Standard GROVE'S TASTELESS chill TONIC. You know what you are taking, as the formula is printed on every label, showing it is Quinine and Iron in a tasteless form. The Quinine drives out malaria, the Iron builds up the system. 60 cents.

### No Other Place Would Do.

A dentist, who had been made nervous by frequent burglaries in his vicinity, was somewhat startled recently by having a man come regularly at the same hour every evening and sit on his doorstep. He finally suggested that, if it would be all the same to him, he would be pleased to have him divide his attention and sit on some neighbor's doorstep for a while. "But it wouldn't be the same," shouted the visitor, "nor anything like it. You are a dentist, and I have an aching tooth that I haven't the courage to have pulled out. I come here every afternoon trying to make up my mind to have it out, and as soon as I come in sight of your house it stops aching, but when I sit on your doorstep, and the confounded thing knows it can be pulled out if it gives me trouble, I have some rest."

### Being Just to Husband.

Mollie had very pronounced ideas regarding the rights and wrongs of her sex.

"Don't you think, Sallie," she asked one day of her dearest friend, "that a woman should get a man's pay?" "Well," replied Sallie, after a moment of deliberation, "I think she should let him have car fares and lunches out of it."—Youth's Companion.

### Happy Thoughts.

"What was uppermost in your mind the first time you went 'over the top'?" "I seemed to hear someone saying, 'Doesn't he look natural?'"

### Over the Fence.

At the Gibson county ton there are places where others from swarming says the Indianapolis year one of the appointed for a long s down in the shade and Murphy, president of chance to see a long climb the fence there to pay or get out," he "Got no money; guess was the response. "thought," said Murphy stay in on condition. Y policeman and tell him over the fence."

"Shucks, then he'll 'Try it, anyway,' dent; you'll get to stay Long Boy did as bid over the fence," he to watchman.

"What!" exclaimed "Then right out you go He dragged the youth but the youngster yelled Murphy and he came up "I'm putting this hood plained the policeman the fence."

"He said he did," an association head, "but stay and have appoint you awake. Turn him Long Boy saw the of his kind got over day.

"Alas!" said the drummer table, "kindly look will observe four flies in my coffee."

"Too true," replied the res of Huckabuck tave Ceed unfortunate, sir, b let the cup set, or sit, as be, for a few minutes t down and then sink t and you will soon for them. Howlyehaveyer-

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# Eat More Corn!

When you eat corn instead of wheat you are saving for the boys in France.

Corn is an admirable cool weather food.

Whether or not you like corn bread, corn muffins, "Johnny Cake", or corn pone, you are sure to like

# Post Toasties

The newest wrinkle in corn foods—crisp, bubbled flakes of white corn—a substantial food dish with an alluring smack—and costs but a trifle.

Make Post Toasties Your War Cereal