

FARMS AND FARMERS



Suggestions for Dairymen.

A good time to do your dehorning is to dehorn the calves with a good dehorner when they are a few days old. Mark them with an aluminum earmark so you can keep a record of them.

Keep a record of the breeding of each cow, so you will know when she is due to calve, and then allow her to go dry six weeks before calving.

The dairy bull should be fed like a working horse and should receive plenty of exercise. Work him in a tread power.

The milking is one of the most important parts of the dairy business. The cows should be milked quickly, cleanly and quietly. Do not excite your cows or they will not let their milk down. Don't abuse a cow because she kicks. If she kicks there is some cause for it. Look for the cause and remedy it. It may be a sore teat, it may be an inflamed udder or it may be that she has been misused and regards her milker as an enemy that she must fight. If such is the case, treat her kindly and she will soon learn that you are not going to harm her.

Clip the long hair off the udder and flanks and tail, and wipe off the udder with a damp cloth before milking, and you will be surprised to see how much cleaner the milk will be.

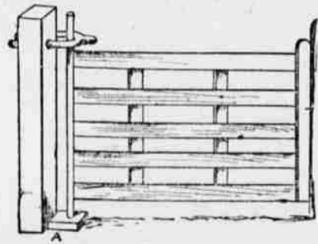
Weigh each cow's milk with an accurate scale and test the milk with a Babcock tester and you will be able to see how many of your cows are paying for themselves.—Dr. David Roberts, Wisconsin State Veterinarian.

Wheat in the Cotton Belt.

The first week in November is early enough to sow wheat throughout the middle portion of the cotton belt. This crop often succeeds well sown as late as Dec. 1, provided the conditions shall be favorable for germination for two weeks after sowing (not too cold and wet). Land covered with a thick growth of grass or other vegetation is not considered the best condition for wheat, for the reason that wheat likes a compact, smooth surface soil. Turn your land well, then harrow, then roll with a heavy roller, then sow the seed. A one or one and a half ton roller run over a freshly plowed surface once or twice will compact the three or four inches of surface soil. The wheat seed should then be put in with a regular wheat drill, says a Southern authority. I would not apply less than 400 pounds of fertilizer per acre and would prefer 500 to 600 pounds unless the land be already rich. I recommend this formula: Two hundred pounds acid phosphate, 400 pounds of cottonseed meal and 50 pounds of muriate of potash per acre, supplemented with a top dressing of 50 to 75 pounds of nitrate of soda in March if the appearance of the plants seem to indicate the need of more nitrogen.—Exchange.

Durable Gate Hinge.

In the accompanying sketch A represents a block of hard wood in which a socket hole is made, says a writer to the Prairie Farmer. In this socket



rests the gate piece, which is of a suitable size to turn easily. Through the upper part of the post a two-inch hole is bored into which is driven one prong of a hedge fork. A small hole is bored through the end of the prong and a pin inserted to hold it in place.

How to Pack Apples.

Two layers of fruit should be placed in the bottom of a barrel, with stems down and as close together as possible. These will form the facing, for this end will be the top when opened. Fill in with the same grade, shake often, and when near the top put in two more layers with stems up, letting the last layer stand a full inch above the chime of the barrel. Now put on the lid and slowly press into place, shaking the barrel in the meanwhile.—Farm Journal.

Spraying Potatoes.

Careful potato growers can no longer doubt the advantages of spraying in "blight" years; but some doubt whether the practice is profitable year after year. Tests along this line have been continued for five years by the Experiment Station at Geneva; and the evi-

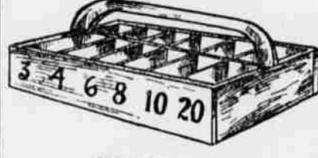
dence presented in Bulletin No. 290, giving details of the fifth year's test and summaries of preceding ones, seems conclusive in favor of the practice. The gain each year has been profitable; and there is already much more than enough excess of gain over cost to pay for spraying five years more. Similar gains, though not quite so great, were obtained by farmers under tests carefully checked by the station and by much larger number of farmers who sprayed independently.

Red Texas Oats.

The strain of the Red Texas oats which has given the largest yield for two seasons and which stands third in order of yield for the four years' trial has been grown at the Kansas station for four years and has seemed to improve rather than to deteriorate in quality and yield. Oats are not considered well adapted for growing in this State. It is the general experience that oats soon "run out" in Kansas, and farmers consider it necessary to secure new seed every two or three years. The trials at the Kansas station, however, indicate that it is not only possible to maintain the quality and yield of oats, but also to even improve them by good culture and by sowing only the best grade.

A Nail Box.

By having a regular and orderly nail box always at hand in some convenient place it may come in handy in an



Twig Diseases.

It may not be generally known, but many twig diseases of trees are spread by the pruning tools. One very successful nurseryman dips his pruning knives and saws in a solution of carbolic acid before beginning to prune another tree, so if any germs are on the tool this treatment will destroy them. As soon as a wound is made it is a good idea to disinfect and paint it to keep out the moisture. There is danger of trees contracting disease, as the germs enter the wounds and diseased places result, or the exposed parts will begin to decay as soon as the moisture gets a hold.—Apple Specialist.

Saving the Clover.

It is a falling of the American farmer when a blade of grass or a stem of clover makes a strong showing to try to turn it into beef, mutton or pork. In this effort to utilize it he entirely forgets that the plant may need a little winter protection. He does not understand how little is often sufficient to save the plant from frost destruction. Where the clover is not pastured it is often allowed to perfect its seed, which is as fatal to the crop next year as the winter freezing. Clipping would save the crop where it is so forward as to bloom and perfect seed.—Rural New Yorker.

Beans Fed to Swine.

Beans can be fed to swine only in the cooked form. The pig seems to be unable to utilize beans which are at all hard or firm, even though they have been boiled for some time; hence it is very essential that they be thoroughly and carefully cooked, says R. S. Shaw, Michigan. To supply a single feed of half-cooked beans to a pen of hogs robs them of their appetites and relish for their food, if indeed it does not put them off their feed.

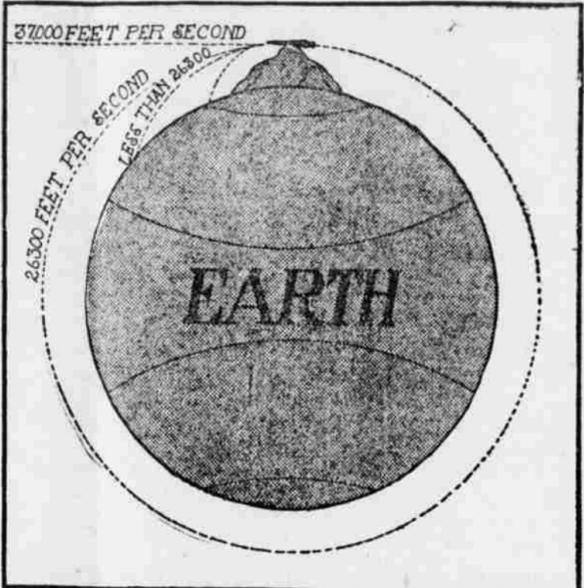
The Asparagus Bed.

Burn off the asparagus beds now and clean the ground thoroughly, applying manure plentifully. All bushes and weeds that have not been cleared from the ground will serve as harboring places for mice and insects. When the materials on the surface of the ground which have been destroyed by frost are dry, and the grass also dead, it is not difficult to burn an entire bed over and thus consume many seeds on the ground.

Currant Cuttings.

Take up the currant cuttings and plant in nursery rows, and throw a ridge of earth over them, so that they are covered about two inches deep. In the spring this covering should be removed, so that the tips are left just below the surface of the ground. In this way currants are readily propagated from hardwood cuttings made from well-ripened shoots of one season's growth.

SHOOTING MESSAGES TO MARS.



SUGGESTED METHOD OF COMMUNICATING WITH MARS.

That Mars is inhabited, scientists are convinced, and for years efforts to communicate with the planet, 35,000,000 miles away, have been made without avail.

That communication between our world and the Martians will one day be established, however, is practically agreed, writes D. S. Landis, a noted scientist. Following the death of an army officer-scientist there came to light papers dealing with interplanetary communication, which suggest a way of putting into execution the long dream of the scientific world.

This officer knew that a rifle ball driven by army powder traveled 1,000 feet per second, and the projectiles of large cannon much faster. But they fell after a time, due to the attraction of the earth.

He estimated that if a projectile could be fired that would travel 26,300 feet per second it would overcome gravity and travel round the earth at a fixed height, returning to its start-

ing place in one hour and twenty-three minutes.

Going farther, he learned that if a velocity of 37,000 feet per second was achieved, the projectile fired from a cannon on the world's pinnacle would pass straight into space, escape the earth's attraction, and instead of falling to the earth, would drop upon the planet nearest it at the time.

This theory, if executed, would make communication with Mars possible. A speed of 37,000 feet per second is not impossible. When the gun and explosive capable of such velocity are discovered, scientists can drop a projectile upon Mars, beyond doubt.

A non-fusible projectile, partially hollowed, could carry messages from this world to any toward which it was directed. The motions of the earth and Mars being known, it would require but little calculation to so fire the projectile that it would, when stopped, be attracted toward its intended destination.

ROYALTIES IN ENGLAND.

Little Prince of Norway Disputed With Kaiser in Popular Favor.

Seldom before has there been a greater gathering of royalties in any European kingdom than that which was seen in England recently. There were, besides the members of the British royal family, the Emperor and Empress of Germany, the King and Queen of Spain, the King and Queen of Norway, and the heir apparent, Little Prince Olof, Queen Amelia of Por-

Germany, or between England and Prussia, and the meeting between Kaiser and King will undoubtedly bind the two nations more closely together.

While the Kaiser was the center of attraction for statesmen and diplomats and the great of the land, the Little Prince of Norway drew the plaudits of the people. Prince Olof is a manly little chap, now a little over 4 years old, and dressed in his sailor suit, as becomes a representative of the Scandinavian race, he appealed strongly to the English imagination and to English sentiment. His father is Haakon VII, who as Prince Charles of Denmark was elected to the throne of Norway, in 1905, and his mother is the Princess Maud, third daughter of King Edward and a popular English princess.



PRINCE OLOF OF NORWAY.

A Capricious Appetite.

"It's awful trying this catering to a sick girl," Mrs. Douglas confessed to the friendly visitor who had called to inquire for Amy.

"I believe this convalescent business comes harder on me than her real sickness," continued Mrs. Douglas, with a deep sigh. "I'm that put to it to get something that she'll eat with a relish. I get all riled up sometimes trying to tempt her."

The visitor murmured something sympathetic, and thus encouraged, Mrs. Douglas went on.

"Only yesterday," she said, "I got her a pork chop and five cents' worth of marshmallows for her dinner, and if you'll believe me she turned up her nose and said she couldn't eat a mite!"

A New Trade.

In a New York school a teacher was asking the children what trades their fathers followed; but one little girl at first refused to tell. "Come, Rosie, you must tell," said the teacher.

"Well, ma'am, he's a worm-eater," said Rosie.

"A worm-eater?"

"Yes, ma'am. A worm-eater in an antique."

The puzzled teacher made a journey to Rosie's home, and found it was all true. Her father's work was boring life-like worm-holes in imitation antique furniture, to make it look genuine.

Not Eligible.

Miss Yerner—I do wish the VanGilt would invite me to share their box at the opera just once.

Miss Wise—Nonsense! You can't expect them to. They know you're not a loud talker or dresser.—Philadelphia Press.

At Their Second Meeting.

"May I call you Mabel?" he asked, pausing in his perusal of the menu.

"If you wish to," she said, "but my name is Gertrude."—Pick-Me-Up.

Some men need a big humiliation about so often to keep them reasonably modest.

Why Refer to Doctors

Because we make medicines for them. We give them the formula for Ayer's Cherry Pectoral, and they prescribe it for coughs, colds, bronchitis, consumption. They trust it. Then you can afford to trust it. Sold for over 60 years.

"Ayer's Cherry Pectoral is a remedy that should be in every home. I have used a great deal of it for hard coughs and colds, and I know what a splendid medicine it is. I cannot recommend it too highly."—MARK E. COHEN, Hyde Park, Mass.



Ayer's Pills greatly aid the Cherry Pectoral in breaking up a cold.

A Fellow Feeling.

"Still rooting for the Carlisle Indians, are you? What's the secret of your fondness for the noble red man?"

"I'm one myself."

"So? You don't look it."

"I belong to the Improved Order of 'em."

PILES CURED IN 6 TO 14 DAYS.

FAZO OINTMENT is guaranteed to cure any case of Itching, Bleeding or Protruding Piles in 6 to 14 days or money refunded. 50c.

The only breaks in the monotony of a model married man's life are those caused by death and the season's changes from peas to corn and beans.

The cows udder is kept in a clean, healthy and smooth condition by washing it with borax and water; a tablespoonful of borax to two quarts of water. This prevents roughness and soreness or cracked teats which make milking time a dread to the cow and a worry to the milker.

End of the Vacation.

Influential Parishioner—Doctor, when do you start up the works again?

The Rev. Dr. Fourthly (with great severity)—Divine service will be resumed next Sunday morning, Mr. Higsworthy, at 11 o'clock.

It Cures While You Walk.

Allen's Foot-Ease is a certain cure for hot, sweating, callus, and swollen, aching feet. Sold by all Druggists. Price 25c. Don't accept any substitute. Trial package FREE. Address Allen S. Olmsted, Le Roy, N. Y.

Curiosity Appeased.

"I notice you are prematurely bald," observed the inquisitive passenger. "May I ask how you lost your hair?"

"I lost it by doing too much butting into other people's affairs," answered the other passenger.

Only One "BROMO QUININE."

That is LAXATIVE BROMO QUININE. Look for the signature of E. W. GROVE. Used the World over to Cure a Cold in One Day. 25c.

Merely a Filler.

Parry (reaching for his blue pencil)—Anything in this story about a railway war?

Graff—Yes—four lines.

State of Ohio, City of Toledo, ss.

Lucas County.

Frank J. Cheney makes oath that he is the partner of the firm of F. J. Cheney & Co., doing business in the City of Toledo, County and State of Ohio, and that said firm will pay the sum of ONE HUNDRED DOLLARS for each and every case of Catarrh that cannot be cured by the use of Hall's Catarrh Cure.

FRANK J. CHENEY.

Sworn to before me and subscribed in my presence, this 6th day of December, A. D. 1886.

(Seal.) A. W. GLEASON, Notary Public

Hall's Catarrh Cure.

Hall's Catarrh Cure is taken internally, and acts directly upon the blood and mucous surfaces of the system. Send for testimonials free. F. J. CHENEY & CO., Toledo, O. Sold by all druggists, 75c. Take Hall's Family Pills for constipation.

Reformation.

"Geoffrey," she said, nestling closer to him, "mamma thinks you're a bit wild and boisterous. You're not, are you?"

"No, love," answered Geoffrey. "I used to be, but I'm not now. You can tell your mamma I quit playing the xylophone long ago."

Habitual Constipation

May be permanently overcome by proper personal efforts with the assistance of the one truly beneficial laxative remedy, Syrup of Figs and Elixir of Senna, which enables one to form regular habits daily so that assistance to nature may be gradually dispensed with when no longer needed as the best of remedies, when required, are to assist nature and not to supplant the natural functions, which must depend ultimately upon proper nourishment, proper efforts, and right living generally. To get its beneficial effects, always buy the genuine

Syrup of Figs and Elixir of Senna manufactured by the CALIFORNIA FIG SYRUP CO. ONLY SOLD BY ALL LEADING DRUGGISTS one size only, regular price 50¢ per bottle.