

OUR COMIC SECTION

Doing His Best



DAIRY FACTS

COWS NEED WARM DRINK IN WINTER

Successful winter dairying calls for an adequate supply of water at a temperature that will not paralyze the entire digestive tract of the cow when she drinks.

"Water is equally as important as feed," says Dr. C. H. Eckles, chief of the dairy division of the University of Minnesota. "A cow milking 30 pounds daily drinks close to 100 pounds of water every 24 hours. Sometimes watering the cows means turning them out of the barn once a day to drink what they can stand of ice-cold water. Can we imagine a cow which weighs around 1,100 pounds drinking 100 pounds, or nearly one-tenth of her weight, of ice water at once? Of course she will not do it and consequently will not give her owner 30 pounds of milk even though she has the ability to produce this much and has feed enough as well.

"The milk flow may be cut down quicker by a lack of water, or by the use of ice water, than by poor feed. Individual drinking cups in my judgment pay more dividends to the user than almost anything else in the line of modern barn equipment. Even if the water is not warmed in the cups the cow will take such small amounts at a time, so long as it is above freezing, that no harm results from drinking it cold.

"If cows must be watered from a tank outdoors and under conditions which mean ice water, it will pay to install a water heater of some kind. It is much cheaper to warm the water with fuel than by giving the cow extra grain to warm it within her body."

Cows With Records Are Decreasing in Number

Pure bred dairy cows of good type and with high official records are actually getting hard to find.

The shortage, according to Roy T. Harris, supervisor of Wisconsin dairy tests, is caused by the fact that since 1920 there has been a marked decrease in official testing. Up to that time there was an abundance of tested animals, but as the demand for pure bred stock slackened with the change in economic conditions many breeders discontinued advanced registry testing.

"The oversupply of animals with records is no longer evident," declared Harris, "in fact, there is an actual shortage of animals combining desirable form with even good advanced registry backing. This situation indicates that the most opportune time to start or renew testing is right this year."

Winter months are particularly favorable for starting cows on test, especially to make semi-official records. Cows freshening in the fall produce as much as 15 to 20 per cent more milk and butterfat than those calving in the summer. Another advantage of starting the test in the fall or winter is that on many farms plenty of help is generally available to care for the cows when production is highest. In short "time testing, the best records are usually made in the winter.

Providing Ice Storage for Use in the Summer

As an aid to farmers in providing ice storage, the division of agricultural engineering, department of agriculture, University of Minnesota, has prepared blue prints of a plan for a farm ice house holding 16 tons. The blue print shows just how the ice house should be built, and is distributed through the division of publications, University Farm, St. Paul, at the nominal charge of 10 cents to cover costs. With creameries paying premium prices for sweet cream, more and more farmers are becoming interested in providing ice for use in the summer in order that the cream may be kept cool until it can be marketed.

Efficient Ration for Bull Calf Is Outlined

A good bull calf ration is ten pounds of clover or alfalfa hay, together with a grain mixture of six parts of corn, four parts of oats and one part of linseed meal. The grain mixture should be fed according to the appetite of the calf, the object being to bring about a gain of about two pounds daily or a little better. To start with, five or six pounds of grain daily will be enough for the calf, but it soon can be increased to ten or twelve pounds. In some cases it pays to substitute bran for part of the oats and to increase the linseed meal in the ration to two pounds daily.

Feed for Cows

Use home-grown feeds as far as possible. Alfalfa or other legume hay is best. For most economical production, provide silage. Feed one pound of hay and three pounds of silage for each 100 pounds weight of animal. If silage is not available, feed two pounds of hay for each 100 pounds weight. Use a good grain mixture containing a small amount of cotton seed meal or linseed meal. Feed one pound of grain mixture for each three pounds of milk produced.

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Don't Talk About Your Kidneys—ACT!

Man Accorded Title of Football "Daddy"

The 1927 football season is history, and all lovers of the great American sport are turning their attention to other games. But with the defeats and victories of the past season still fresh in the mind and all the talk of two varsity squads for 1928 football is by no means forgotten.

Football, as most fans know, was introduced into Britain by the Romans. From Britain it was brought to Canada and thence to America. Some authorities claim that the modern game of football was introduced by Harvard in 1876. But the "daddy of American football" is Gerrit Smith Miller, eighty-two years old, of Peterboro, N. Y. He is credited with organizing the first football team in America—the Onondaga football club. That was 64 years ago—in 1863—and the organizer won his letters as a star player.—Pathfinder Magazine.

Headaches from Slight Colds

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Rubber Walls the Latest

Rubber walls in office buildings to decrease vibrations, and streets and sidewalks paved with rubber, are among the recent uses chemists have found for the product, says Popular Mechanics Magazine. They have also adapted the material to the making of interior decorations and for coating alk and other fabrics so that scarcely a trace of the resilient substance can be detected. The rubber for use in buildings is in the form of blocks or slabs, which are built up vertically on the wall face.

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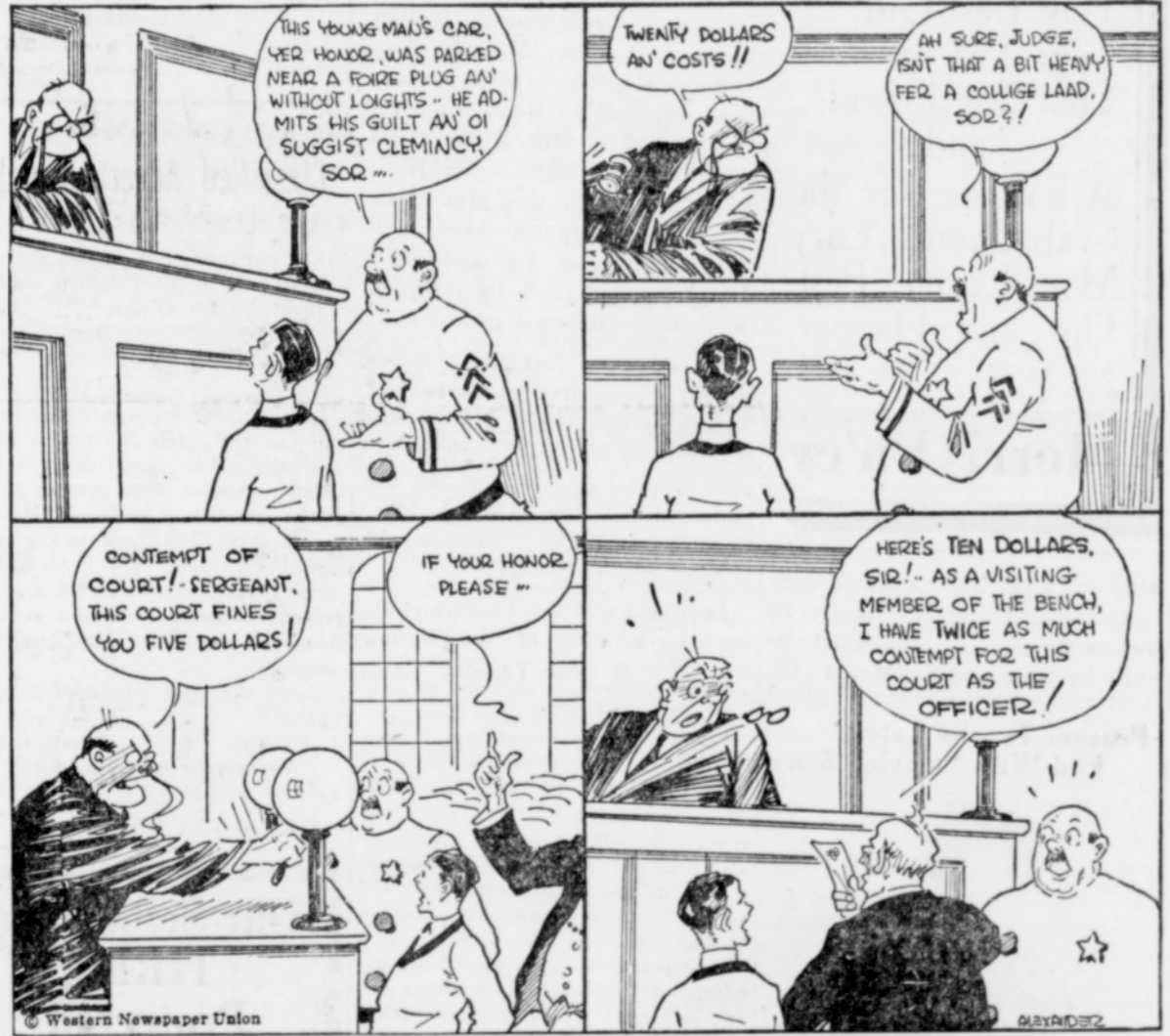
The output of toilet preparations in America has multiplied six times in ten years. It now amounts to an annual total of more than \$141,000,000.—Woman's Home Companion.

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