



"CUD" ESSENTIAL TO COW'S HEALTH

Suspension of Chewing Is One of First Indications of Sickness of Animal.

FIND CAUSE OF DISTURBANCE

With Return of Normal State There Will Be Restoration of Process of Digestion, Including Function of Ruminating.

(Prepared by the United States Department of Agriculture.)

Although the relation of the act of chewing the cud to the natural process of digestion in cattle is probably quite generally understood, the United States department of agriculture frequently receives inquiries concerning the proper treatment for cattle which have "lost their cud," the impression apparently being that the cud is something which can mechanically disappear, and when so lost must be replaced in order to restore the animal to health.

Is a Natural Process.

Ruminating or chewing the cud is a natural process in connection with the digestion of cattle and other ruminant animals. In ruminants the food when first taken into the stomach is imperfectly chewed, and is returned to the mouth for remastication. This returned ball of food is termed "the cud."

So called loss of cud, the department explains, is simply a suspension of chewing, frequently one of the first indications of sickness in any kind of ruminant animals, since ruminants generally stop chewing the cud when feeling out of condition. Any condition affecting the general health of cattle may result in suspension of chewing, and there is almost certain to be an interruption of this process when there is any pronounced disturbance of digestion.

Superstitious Methods.

Placing wads of hay in the mouth, the use of salt pork, and similar methods for restoring the cud are the out-

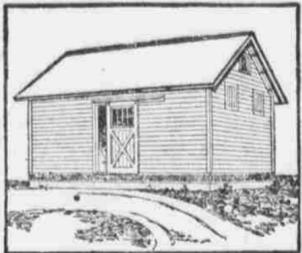
CONVENIENT GRANARY FOR A GENERAL FARM

Profitable for Every Farmer to Provide Adequate Storage.

Excellent Arrangement Devised for Grain Farm—Alleyway Provided Where Seed Can Be Fanned or Treated for Disease.

(Prepared by the United States Department of Agriculture.)

In view of the present high prices of all grains it is profitable management for the general farmer to provide adequate and dependable storage for these valuable farm products. The division of rural engineering of the bureau of public roads, United States department of agriculture, has devised an excellent arrangement for a large granary adapted for the general grain farm. This storage is 24 by 14 feet in floor dimensions and is subdivided into four bins, each of which is 7



View of Granary Planned by Rural Engineers of Department of Agriculture.

by 9 feet, and has a capacity of 450 bushels. Each bin is provided with a door through which the grain may be distributed into the storage, while it also has a protected scoop door through which the grain can be delivered. The four bins front on an alleyway which is 6 by 14 feet where the seed can be fanned and cleaned or else treated against disease. In case of emergency, where the grain crop exceeds the permanent storage capacity, this space also may be partitioned off and utilized for storage purposes. The total capacity of the permanent bins is 1,800 bushels, while the emergency space also available in the central cleaning floor increases the total possible storage to over 2,100 bushels.

WATERING COWS IN WINTER

Water Should Be Twenty Degrees Above Freezing Point—Animals Need Ample Amount.

(Prepared by the United States Department of Agriculture.)

All animals require plenty of good, pure water. This is especially true of the milking cow, as water constitutes more than three-fourths of the total volume of milk. The water supply, therefore, demands the dairyman's most careful attention. Stale or impure water is distasteful to the cow and she will not drink enough for maximum milk production. Such water may also carry disease germs which might make the milk unsafe for human consumption or be dangerous to the cow herself. During the winter, when cows are stabled the greater part of the time, they should be watered two or three times a day unless arrangements have been made to keep water before them at all times. The water should, if possible, be 15 or 20 degrees above the freezing point, and should be supplied at practically the same temperature every day. When water well above freezing temperature is stored in tanks and piped directly to the cow, there is probably little occasion for facilities to warm it. When it stands in a tank which ice often forms, it usually pays well to warm it slightly. This can be done by a tank heater, by live steam, or by hot water from a boiler. If a boiler is used for running a separator or for heating water to wash and sterilize utensils, steam from it can readily and cheaply be used to warm the water.

USE FOR FROSTED POTATOES

Trials Show That Clean, White Starch of Good Quality Can Be Profitably Made.

(Prepared by the United States Department of Agriculture.)

Frosted and decayed potatoes have been found in trials conducted by the United States department of agriculture to be entirely capable of producing acceptable and frequently normal yields of clean, white starch of good quality. Much of this material appears to possess a potential value for the production of sizing starch approximating that of the stock at present used for this purpose. The mechanical difficulties in recovery from decayed pulp are sometimes greater and sometimes less than from normal stock. Modified procedure adapted to these abnormal pulps doubtless could be devised, department specialists say, but there seems to be no reason why the present method might not be applied profitably in the meantime in the production of sizing starch in factories at the large shipping centers installed to utilize the great quantities of frozen and decayed potatoes arriving during the fall and winter. This would turn to profitable account large supplies at present without value, but which are a serious burden of expense since to their cost of production must be added transportation and dumping charges.

TOWN FATHERS KEPT BUSY

Municipal Authorities of Danzig, Germany, Seem to Have Had a Hand in About Everything.

Fraulein Gertrude Baumer, in the diary which she contributes to Die Hilfe, quotes the following from an official memorandum issued at Danzig:

"The town deals in coal, babies' soothers, methylated spirits and petroleum, old clothes and wooden soles; it fattens pigs and geese and breeds fowls and rabbits; it cooks dinner and supper every day for many thousands of people; it provides labor and horses, distributes prizes for horse breeding, and places orders for army supplies; it estimates the harvest and counts the cattle, extracts fat from bone, and sells vegetables and fruit in certain shops; it dries vegetables and makes sausages; it allows land for potato and vegetable growing, and itself cultivates land; it collects or organizes the collection of nettles and fruit stones; it buys wood in Germany and in the occupied territory; it kills beasts and makes jam, examines applications for leaves from the front, and provides the farmers with manure; it revises the prices of bread, matches, meat, boots and various foods, catches fish, and supplies machinery; it collects copper, aluminum and brass; and it distributes sugar for jam making, and regulates the feeding of sick persons and babies."

Important to Mothers

Examine carefully every bottle of CASTORIA, that famous old remedy for infants and children, and see that it

Bears the Signature of *Dr. J. C. Fletch*

In Use for Over 30 Years.

Children Cry for Fletcher's Castoria

Some Difference.

Jack Barrymore, the actor, was in a group who were cracking conundrums, when he asked: "Now, you fellows seem very clever at such things, so tell me what is the difference between a mosquito and an elephant?"

"The difference?" asked one.

"Yes," answered Barrymore.

"They all gave it up, when the actor, walking away, said:

"Their shape."

How's This?

We offer \$100.00 for any case of catarrh that cannot be cured by HALL'S CATARRH MEDICINE. HALL'S CATARRH MEDICINE is taken internally and acts through the blood on the Mucous Surfaces of the System. Sold by druggists for over forty years. Price 75c. Testimonials free. F. J. Cheney & Co., Toledo, Ohio.

This Man No Wanderer.

Fifty years in one job is not a common thing these days, but that is the splendid record of a man at Tamworth, New South Wales, who was a collier-maker for fifty-one years. He swept out the Methodist church weekly for fifty years, has been in the choir for forty years, and in the town band forty years. He is now seventy years old, and is still working and likely to be so.

Keep clean inside as well as outside by taking a gentle laxative at least once a week, such as Dr. Pierce's Pleasant Pellets, Adv.

His Mother's Accomplishment.

Theodore, aged four, was visiting relatives in the country. He stood watching his aunt preparing to light the kitchen fire, and observing his interest, she inquired if his mother, too, burned wood.

"No," he answered dejectedly, "she don't burn wood." Then his eyes lighted up and he added triumphantly, "but she burns the dinner sometimes!" —Harper's Magazine.

Always sure to please, Red Cross Ball Blue. All grocers sell it. Adv.

Cheerful Giver.

"Are you making presents this year?" "Yes; I expect to kill about forty friendships."

HAARLEM OIL CAPSULES IF YOUR BACK ACHES

Do you feel tired and "worn-out"? Are you nervous and irritable? Don't sleep well at night? Have a "dragged out" unrested feeling when you get up in the morning? Dizzy spells? Bilious? Bad taste in the mouth, backache, pain or soreness in the loins, and abdomen? Severe distress when urinating, bloody, cloudy urine or sediment? All these indicate gravel or stone in the bladder, or that the poisonous microbes, which are always in your system, have attacked your kidneys.

You should use GOLD MEDAL Haarlem Oil Capsules immediately. The oil soaks gently into the walls and lining of the kidneys, and the little poisonous animal germs, which are causing the inflammation, are immediately attacked and chased out of your system without inconvenience or pain.

Don't ignore the "little pains and aches," especially backaches. They may be little now but there is no telling how soon a dangerous or fatal disease of which they are the forerunners may show itself. Go after the cause of that backache at once, or you may find yourself in the grip of an incurable disease.

Do not delay a minute. Go to your druggist and insist on his supplying you with a box of GOLD MEDAL Haarlem Oil Capsules. In 24 hours you will feel renewed health and vigor. After you have cured yourself, continue to take one or two Capsules each day so as to keep in first-class condition, and ward off the danger of future attacks. Money refunded if they do not help you. Ask for the original imported GOLD MEDAL brand, and thus be sure of getting the genuine.—Adv.



Puts a ... Distemper

Stop to all CURES THE SICK

And prevents others having the disease no matter how exposed 60 cents and \$1.15 a bottle, \$3.50 and \$11.00 a dozen bottles. All good druggists and turf goods houses, Spohn Medical Co. Goshen, Ind., U. S. A.

That After Effect.

(From the observations of a cynic.)

I saw a dog after a cat. I saw a cat after a rat. I saw a young man after my daughter. I saw my neighbor after the almighty dollar. I looked at the infinitesimal bit of change I received from that same dollar after buying a dozen eggs. I heard the plaint of the wife after her husband got home at 2 a. m. I heard one of these after-dinner speakers. I am fed up on this after-the-war stuff. I heard of a workman after higher wages. The preacher tries to scare me about this after life. I saw a boy take after his father. I saw another fellow after my job and I saw a chap the morning after the night before. I don't need to see the kaiser after the war to convince me that this life is just one blankety blank thing after another. — Indianapolis Star.



PATENTS

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MEN AND WOMEN!

BIG MONEY SELLING

HISTORY OF THE WORLD WAR

Most complete and official book published. Best terms. Credit given. Biggest outfit free. Write quick.

Ziegler Co., 3J East Harrison, Chicago

W. N. U., OMAHA, NO. 51-1918.



—that's what thousands of farmers say, who have gone from the U. S. to settle on homesteads or buy land in Western Manitoba, Saskatchewan or Alberta is especially attractive. She wants farmers to make money and happy, prosperous homes for themselves by helping her raise immense wheat crops to feed the world.

You Can Get a Homestead of 160 Acres Free

or other lands at very low prices. Where you can buy good farm land at \$15 to \$30 per acre that will raise 20 to 45 bushels of \$2 wheat to the acre—it's easy to become prosperous. Canadian farmers also grow wonderful crops of Oats, Barley and Flax. Mixed Farming is fully as profitable an industry as grain raising. The excellent grasses, full of nutrition, are the only food required either for beef or dairy purposes. Good schools and churches; markets convenient; climate excellent. Write for literature and particulars as to reduced railway rates to Supt. of Immigration, Ottawa, Canada, or to

W. V. BENNETT Room 4, Bee Bldg., Omaha, Neb. Canadian Government Agent

"WIZARD" Auto Power Unit

Attaches readily to your car and makes a movable power plant to run your wood saw, feed mill, corn sheller, ensilage cutter, hay baler, pump, electric light plant, etc.

Does not deface nor injure car; can be attached or detached in a few minutes. Price \$57.50, l. o. o. b. Omaha, Neb.

Specifications: Full floating shaft; cone clutch control; ball throttle governor. The model illustrated fits any Ford car; models for other cars furnished when year and model of car is specified. Live Exclusive Agents Wanted

AUTO POWER & MALLEABLE MFG. CO.

729 First National Bank Bldg. OMAHA

Many of the brave women who attend our wounded heroes of this war are women who have used Doctor Pierce's Favorite Prescription, or who recommend it. The hospital, with its work and long hours, imposes extreme hardship on a woman's strength. Every woman should make herself fit for war's call at home or abroad. She should obtain a book called the "Medical Adviser," either at her nearest drug store or by sending 50 one-cent stamps to Invalids' Hotel and Surgical Institute, Buffalo, N. Y., for a book which tells about Nursing, Bandaging, Anatomy, Physiology, the Marriage Relation, Knowledge of Sex.

Thousands of women in the United States have overcome their sufferings, and have been cured of woman's ills, by Dr. Pierce's Favorite Prescription. So too, for liver and bowel troubles, nothing is so effective or pleasant as Dr. Pierce's Pleasant Pellets.

STROUT CITY, IOWA.—"For the young girl developing into womanhood Doctor Pierce's Favorite Prescription is a wonderful tonic and builder. When I was sixteen years old I used to suffer intensely and was very frail and delicate. Two bottles of the 'Prescription' cured me of my pains and built me up into strong and healthy womanhood. I am, therefore, very glad to recommend it to my friends who have daughters suffering as I did."—Mrs. J. W. SCHMIDT, 406 West 4th Street.

Liberty Bonds Bought

and sold for cash. Write for quotations. Send Bonds by registered mail.

FRANKLIN INVESTMENT CO. 115 S. LaSalle St., Dept. O. CHICAGO, ILL.

MAXWELL TRUCK



For every business. Timken-Brown Worm drive and Timken bearings throughout. Price \$1065. F. O. B. Detroit. Mid-City Motor & Supply Co. Distributors, 2216 Farnam St., Omaha, Nebraska.

Prospective Disappointment.

"Yessum!" said Sister Maundie Waddles. "We's done whupped de Germans. Mah husband is over dar, and I reckon he made a hand at it. I a'pects when dat black man gits home he'll be so puffed up he'll think he can whup me. Right den and dar he's gwine to 'skiver dat I gin't no German."—Kansas City Star.

RELIABLE PRESCRIPTION FOR THE KIDNEYS

For many years druggists have watched with much interest the remarkable record maintained by Dr. Kilmer's Swamp-Root, the great kidney, liver and bladder medicine.

It is a physician's prescription. Swamp-Root is a strengthening medicine. It helps the kidneys, liver and bladder do the work nature intended they should do.

Swamp-Root has stood the test of years. It is sold by all druggists on its merit and it should help you. No other kidney medicine has so many friends.

Be sure to get Swamp-Root and start treatment at once.

However, if you wish first to test this great preparation send ten cents to Dr. Kilmer & Co., Binghamton, N. Y., for a sample bottle. When writing be sure and mention this paper.—Adv.

No Wonder.

The Burglar's Sweetheart—Ya say yer man is a safe robber?

The Yeggman's Wife—Oh, he says he's safe, but I keep tellin' him they'll git him one of these fine nights.

Cuticura Complexions.

Nothing better than Cuticura Soap daily and Ointment as needed to make the complexion clear, scalp clean and hands soft and white. For free samples address "Cuticura, Dept. X, Boston." Sold by druggists and by mail. Soap 25, Ointment 25 and 50.—Adv.

A Fine Comb, Maybe.

"Oh, you should have seen Myrtle last night," exclaimed big sister gushingly. "She had her hair done up just too sweet for anything."

"Maybe she used a honey comb on it," said the irresponsible small brother.

Millions of particular women now use and recommend Red Cross Ball Blue.

All grocers. Adv.

Impulsive Utterance.

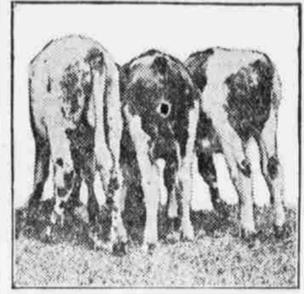
"Bliggins prides himself on saying what he thinks." "Yes. But he doesn't think before he says it."

Spanish Influenza can be prevented easier than it can be cured.

At the first sign of a shiver or sneeze, take



Standard cold remedy for 20 years—in tablet form—safe, sure, no opiates—breaks up a cold in 24 hours—relieves grip in 3 days. Money back if it fails. The genuine has a Red top with Mr. Hill's picture. At All Drug Stores.



These Young Animals Are Growing Into Money Day and Night.

come of local superstitions and a lack of knowledge concerning the digestive process of the cow. Instead of such treatment an effort should be made to determine the exact nature of the illness affecting the cow with a view to applying proper treatment.

It may be confidently expected with an approaching return of the animal to a state of normal health there will be a restoration of the process of digestion, including the function of ruminating or cud-chewing.

BIG GAIN IN POTATO YIELD

Production Per Acre Is Thirty-Six Per Cent Higher Than That of Twenty Years Ago.

(Prepared by the United States Department of Agriculture.)

The yield of potatoes per acre is gradually increasing in this country, as shown by the records of the bureau of crop estimates of the United States department of agriculture. During 1896-1874 the average annual yield per acre was 91 bushels, but the average markedly declined to 71.3 bushels in 1885-1894. Perceptible recovery was made in the following ten-year period and a much larger recovery, rising to a new high-water mark, was reached in 1905-1914, with its average yield of 97 bushels per acre.

In 20 years the productivity of the average potato acre increased 36 per cent. This increase is due to various causes, among which are greater specialization of production, more intensive treatment, and higher fertility of the soil. The ten-year average yield of 97 bushels per acre in 1905-1914 was followed by 96.3 bushels in 1915, 80.5 bushels in the very low year 1916, and 100.8 bushels in 1917.

Compared with population, the yield of potatoes per acre declined from 1896-1874 to 1905-1914. The gain of production per capita in recent years has been more because of increased acreage than because of increased production per acre.

KEEP SHEEP ON EVERY FARM

No Other Animal Better Adapted to Convert Weeds and Waste Into Food and Clothing.

No animal approaches the sheep in converting weeds and waste into food and clothing. There is a wealth of both in the wasted grass and weeds of barn lots, fields and roadsides. Let there be "a bunch of sheep on every farm."

You Are Dying By Acid

When you have Heartburn, Gas, Bloat, and that Full Feeling after eating. TAKE ONE

EATONIC

FOR YOUR STOMACH'S SAKE

Rids you of the Excess Acid and Overload and you will fairly feel the GAS driven out of your body—THE BLOAT GOES WITH IT.

IT GIVES YOU REAL STOMACH COMFORT

Sold by druggists generally.—If your druggist can't supply you a big box of Eatonic for 50c, send us this ad. with your name and address and we will send it to you—you can send us the 50c after you get it. Address Eatonie Remedy Co., 1018 S. Wabash Ave., Chicago, Ill.

Copying Their Elders.

Robert and Harold had been angry at each other for several days. One day they arrived home from school arm in arm and when Robert was questioned as to his sudden change of heart, he explained: "Me and Harold signed an armistice this morning."

"Nuf Sed."

The following sign appeared recently on the door of a Baltimore business establishment:

"Store closed during alterations." The name of the firm is Casey & Cohen.

Your Granulated Eyelids.

Eyes inflamed by exposure to Sun, Dust and Wind quickly relieved by Murine Eye Remedy. No Smarting, just Eye Comfort. At Your Druggists or by mail 60c per Bottle. For Book of the Eye free write to Murine Eye Remedy Co., Chicago.

His Chance.

The teacher was teaching the meaning of some new words. Among them was the word "monopoly." She told of the monopolies of Elizabeth's reign and then of some of the present day. Then to make sure that every one understood it she decided to make a more specific example.

"Jakie"—she turned to the son of a pawnbroker—"suppose that there was a great snow on the ground and that all the sleds this town held belonged to your father. What would he then have?"

Jakie's eyes grew bright and his voice eager as he flashed back the answer: "A chance to make a lot of money."

His Position.

"An ounce of pluck is worth a ton of luck."

"Sill, if I had luck coming my way by the ton I wouldn't do any kicking."

Guaranteed Exchange Cars

1-1918 Maxwell Touring..... \$480.00
1-1917 Maxwell Touring..... 420.00
1-1918 Maxwell Touring..... 575.00
1-1916 Commerce Truck..... 650.00

MID-CITY MOTOR & SUPPLY CO. 2216-18 Farnam Street Omaha, Nebraska



All druggists. Soap 7c. Ointment 25c. 3c. Jar. 25c. 50c. 75c. 1.00. 1.50. 2.00. 2.50. 3.00. 3.50. 4.00. 4.50. 5.00. 5.50. 6.00. 6.50. 7.00. 7.50. 8.00. 8.50. 9.00. 9.50. 10.00.

Old Folk's Coughs

will be relieved promptly by PISO'S. Stops throat tickle; relieves irritation. The remedy tested by more than fifty years of use is

PISO'S