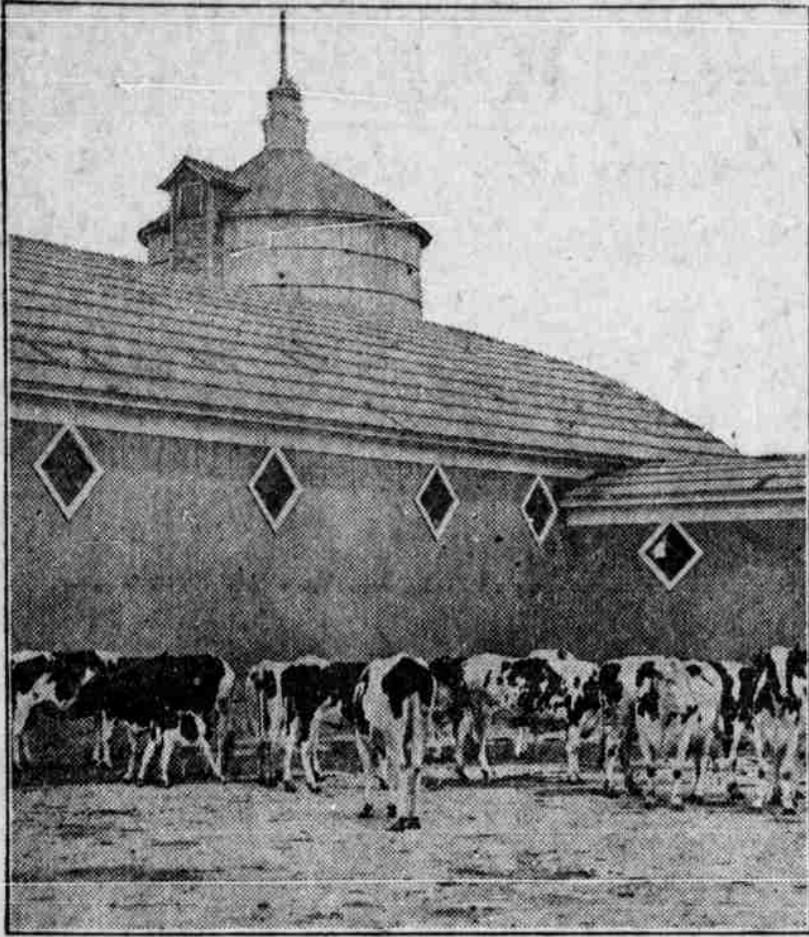


PROFITABLE MANAGEMENT OF DAIRY HERD



Perpetuating the Good Qualities of the Tested Mothers, Making a Herd Much Better Than You Can Buy.

It has become an axiom, with some dairy men, that the best results are obtainable only with the best breeds of animals. But success with such animals implies also the best management; and not every beginner is capable of the skillful handling necessary with high-bred cows. The higher we go in the scale of animal life the more delicate the animal mechanism becomes, and the greater the need of wisdom in the human agency which controls its movements. It is a long time before a baby can care for itself as well as can a bronco colt at one day old. A bronco colt can stand more simple hardship and abuse than can a colt of a standard high-bred trotting mare or a high-class draft animal; but the bronco will never have the great speed, at the trot, of the standard-bred, nor will it grow large enough to have the power of the draft. The scrubby native cow can stand more hardship and abuse than a highly-developed dairy cow capable of doing great work, and the latter loses her superior commercial value in unfavorable surroundings and under unfavorable treatment.

It is found, therefore, that success in dairying depends as much on the kind of care and management bestowed on the herd, as upon the breed. Care and management are, for this reason, given the first consideration here. These should include a much greater degree of attention to the comfort of the animals than is ordinarily bestowed. In fact, it can be demonstrated that the nearer we come to applying the Golden Rule to the treatment of the dairy herd, and treating its members as we would like to be treated, the larger will be the satisfaction and rewards of dairying.

These are the touchstones of success. When the cow is comfortable and contented, she responds with a flow of milk far in excess of that which she gives when she has been uncomfortable and irritated. Everybody knows that in June weather cows give a larger amount of milk than in cold and wintry weather. If we aim to produce, all the rest of the year, in stall and barn, conditions as nearly as possible like those of June—in warmth, light, freedom from flies, etc., with succulent food in the

CAUSE OF THRUSH IN HORSES' FEET

Trouble Due Frequently by Animal Standing in Filthy Stall and too Dry Floors.

(By M. H. REYNOLDS, Veterinarian, University Farm, St. Paul, Minn.) This trouble is due quite frequently to standing in manure or other filth, which alters the condition of the horn and may be accompanied or followed by infection. Long continued standing on very dry floors may lead directly to this trouble. In some cases thrush seems to be associated with contraction. The frogs in horses' feet need exercise just the same as any other part of the body. When a horse is shod with high heel and toe calks, or the wall is allowed to grow down very long and the horse stands on a board floor without getting frog pressure, the condition of the frog is impaired and it easily becomes subject to infection and disease.

Such cases need a clean, dry stall. The hoof should be properly trimmed; the diseased parts removed as thoroughly as possible; and a strong disinfectant used over the sole of the foot. Any of the coal-tar disinfectants may be used in full strength, or even pure carbolic acid, care being taken that the disinfectant does not run down the heel and burn the skin. After this first strong disinfectant treatment a very satisfactory treatment for ordinary cases. The calomel can be dusted over the diseased surface and then some thick clay applied over the entire sole of the foot.

Vegetables Absorb Iron. The Vienna agricultural experiment station, in connection with tests of the effect on the human body of food plants containing iron, has succeeded in making several vegetables absorb more iron from the soil than normally.

Test Germinating Qualities. For testing the germinating qualities of seeds quickly an Iowa man has patented a cabinet something like an incubator, warm moisture rising through the walls and dropping on seed trays.

VALUE OF SILAGE AND CORN STOVER

Interesting Tests Made at Nebraska Experiment Station in Cattle Feeding

(By H. R. SMITH, Animal Husbandman, University Farm, St. Paul, Minn.) While at the Nebraska experiment station the writer conducted tests to determine the relative value of silage and shredded corn stover (stalks) for cattle feeding. In order to determine the amount of stover fed each steer, it was necessary to husk the corn from the stalk, and as the cattle were kept in the barn, shredded stover was more convenient although more expensive. The use of bundle corn, however, would greatly reduce the cost as it can be harvested and shocked as easily as the ears alone can be husked from the stalk and cribbed. During the fall and early winter the use of bundle-corn containing ears might even prove more profitable than the use of silage.

The further fact that this experiment was conducted during the summer months without the use of grass pasture, is evidence that calves can make very satisfactory gains by using corn silage and alfalfa as a substitute for grass. In sections where enough grass cannot be grown to carry the number of cattle wanted through the year, but where a large tonnage of corn can be grown on a relatively small acreage, the silo will become an important factor for use in summer as well as in winter.

For Shipping Eggs. Corrugated strawboard containers which fit closely all around their contents have been invented for shipping single eggs by parcel post.

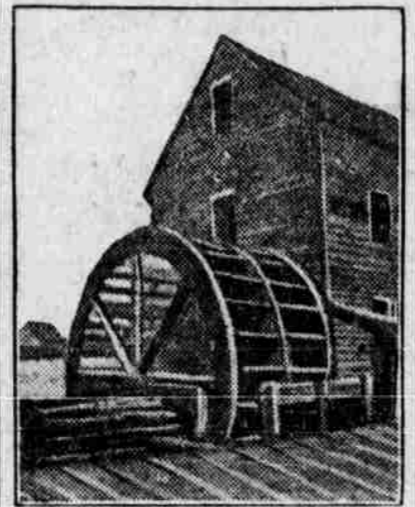
Test Farm Machinery. The governments of Germany and Hungary maintain bureaus for testing farm machinery. **Wine Grape Cultivation.** More than 11,000,000 acres of land in Italy are devoted to wine grape cultivation.

OLDEST GRIST MILL IN U. S.

Was Built in the Early Days of English Settlement in Virginia and is Still Worked.

Richmond, Va.—In all probability the mill shown in the illustration is the oldest in commission in America. It is a tidal mill on East river, an arm of Mobjack bay in Virginia. It was built in the early days of English settlement in Virginia and is still in commercial operation with power derived from the ebb and flow of the tides.

The early Virginia settlers harnessed the tides to the mill wheel to grind their corn, later on adding machinery and other apparatus for making flour. They found a place where the tides ran with more than usual force, where the water was forced



Old Grist Mill on Seashore.

through a narrow inlet into a large inland pond or lake. As the tide rose and fell, something like three feet, this interior body of water would be filled and emptied twice each 24 hours. A dam was thrown across this inlet, leaving a narrow space for a raceway, and in this space the large old wheel was hung.

It has passed through at least five great wars. It has been destroyed once by cavalry raid, and was grinding corn when the French and Indian wars were being waged. It ground corn for Washington's army when it was besieging the English army at Yorktown, only a few miles away. In the evolution of the grist mill first came the Indian mortar, followed by crude mill stones of small size propelled by hand power; then larger ones run by horse power. Windmills were next and then came tidal mills, and the other water mills, where the flow of water has been dammed. Steam has revolutionized the milling processes, but there is still work for the tidal mill. The old tide millers were restricted to one-sixth of the grist for toll, in case of corn, and one-eighth in case of wheat, but always had fat hogs, no matter what the legal rate of toll, and nearly all millers became wealthy. For more than 225 years Virginia lead the whole country in the production of both wheat and corn. It may never lead again in these crops; but it is rapidly getting in shape to line up with the best.

TO BLOW COAL THROUGH TUBE
London Borough Council Has Scheme to Supply Fuel With Its Fuel.

London.—Hammersmith Borough council, which has a municipal electricity undertaking and has to arrange for the storage and delivery of large quantities of coal, reports in favor of a scheme to bring the coal from the wharf to the electricity works by blowing it through a pipe. To enable the coal to pass through the pipe water would also have to be blown through and the report declares that the mixture of coal and water could be forced through at a velocity of about seven feet per second, about five miles an hour.

Upon delivery at the electricity works the coal would be allowed to settle down in the tanks, when the surplus water would be drawn off and returned to the river. The cost of the scheme is estimated at \$50,000.

HERE'S GARB FOR MEN'S TEAS

Oriental Slippers Go With Soft, Filmy, Silk "Rest Suit," is Fashion Dictum.

London.—Fashion in male wear is, we are told, in a transition state. The gaudy sock, the spat, white or colored, the broad shoe lace, are as though they never were. They are taboo. We now revel in unobtrusive socks and our shoes are spatless and fastened with stringlike laces. The latest craze is the rest suit, to be worn on a quiet evening after dinner or for bachelor tea parties. Here is a full description of one, worn, it is said, by a well known peer. It is of dark green watered silk, with revers of old gold, the coat being edged with olive green silk braid. The suit is loosely cut with wide trousers and is worn with a colored silk shirt, soft turn down silk collar and bow tie, socks of silk and gorgeous Oriental slippers.

FIND MUMMY AT NEUCHATEL

Discovery of Bronze Age Beauty's Body Puzzles Scientists in Switzerland.

Geneva.—An interesting archaeological discovery is puzzling Swiss scientists, who intend to consult American and English experts about it. While excavating the foundations for a large hospital at Neuchatel workmen found a bronze coffin at a depth of ten feet. Within the coffin were the bones and skin of what was evidently the mummified body of a young woman. On one of her wrists were four bronze bracelets and two of a substance which resembles lignite. By her side lay a little bronze bell. Swiss scientists have traced the grave to 800 B. C., but believe it to be older. They cannot account for "a fashionable beauty of the bronze age" finding her last resting place at Neuchatel.

WOMAN TOOK FRIEND'S ADVICE

And Found Health in Lydia E. Pinkham's Vegetable Compound.

Windom, Kansas.—"I had a displacement which caused bladder trouble and I was so miserable I didn't know what to do. I suffered from bearing down pains, my eyes hurt me, I was nervous, dizzy and irregular and had female weakness. I spent money on doctors but got worse all the time. A friend told me about the Pinkham remedies and I took Lydia E. Pinkham's Vegetable Compound and was cured. I cannot praise your remedies enough for I know I never would have been well if I had not taken it."—Miss MARY A. HOBNER, Route No. 2, Box 41, Windom, Kansas.

Consider Well This Advice. No woman suffering from any form of female troubles should lose hope until she has given Lydia E. Pinkham's Vegetable Compound a fair trial. This famous remedy, the medicinal ingredients of which are derived from native roots and herbs, has for nearly forty years proved to be a most valuable tonic and invigorator of the female organism. Women everywhere bear willing testimony to the wonderful virtue of Lydia E. Pinkham's Vegetable Compound.

Women everywhere bear willing testimony to the wonderful virtue of Lydia E. Pinkham's Vegetable Compound. If you want special advice write to Lydia E. Pinkham, Medicine Co. (confidential) Lynn, Mass. Your letter will be opened, read and answered by a woman and held in strict confidence.

Somersault by Aeroplane. Capt. Aubrey of the French army is said to have accomplished a complete somersault while aboard an aeroplane high above the earth. "I was returning after a thirty-five minute flight," the captain says, "facing a wind of about twenty-two miles per hour. My altitude was about 2,500 feet. At the moment of descent a series of violent gusts struck the machine. As I dipped the nose of the machine a couple of quick gusts struck the top of the main planes and placed me in a vertical position. While endeavoring to manipulate the elevator, I found the machine had taken me in a perfectly vertical chute to less than 1,500 feet. It here adopted a horizontal attitude upside down and proceeded to effect a tall first volplane." Continuing, he says: "The machine then gradually took up the vertical position again, describing a gigantic 'S' while doing so. Flattening out, I flew to a spot about two miles distant."

IN MISERY WITH ECZEMA

Franklin, La.—"About four years ago my face broke out in little red pimples. At first the eczema did not bother, but finally the pimples began itching and burning and then there came little raised places. I suffered untold misery. I scratched them until they bled and I could not sleep at night. I was ashamed of my face and I could not bear to touch it. I tried different remedies without result until I tried Cuticura Soap and Ointment and in six weeks they completely cured my face. That was nine months ago, and no sign has appeared since." (Signed) Mrs. Leola Stennett, Dec. 14, 1912.

Right-Handed Plants. That there are right-handed plants and left-handed plants has been reported to the Cambridge (England) Philosophical society by R. L. Compton. In an examination of eight varieties of two-rowed barley the first leaf was found to twist to the left in 58 per cent of more than 12,000 seedlings, and an excess of left-handed growth was found also in millet and in oats. In corn there seemed to be no marked tendency either way. No evidence of hereditary peculiarity appears to have been obtained and no special significance of the results is pointed out.

Has Made His Own Way. William C. Redfield, the new secretary of commerce, began making his way in the world at fifteen. At that age he was employed as a clerk in the Pittsfield (Mass.) postoffice at three dollars a week. His next step was as salesman for a paper company. From Pittsfield he went to New York, securing a similar place with a paper house. Some time later he became an accountant for a tool manufacturing company, rose to the presidency of the concern, and after thirty years as a manufacturer resigned, having been elected to congress.

How to Handle Obstacles. "Uncle Joe" Cannon was encouraging a young advertising man of Danville who had failed to land a national advertisement contract. "Don't take it so to heart," said Uncle Joe, patting the young man on the shoulder. "This is an obstacle in your upward climb. Well, there is only one way to treat an obstacle. 'Treat it as a stepping-stone.'"

Too Much Ball. "Why did you move away from Chicago?" "The doctor advised my husband to move to some town with only one team to worry about."

Prize Sermon Was Done For
Presence of Policeman Took the Attention of the Congregation From the Words of the Pastor.
On a recent Sunday the pastor of a New York church preached a sermon which he had hoped would be particularly effective. Shortly after launching upon his theme he found that the audience, while not creating any real disturbance, was by no means attentive. All of his hearers kept turning their heads every little while and glancing furtively toward the rear of the church. Finally the pastor cast a penetrating glance of his own into that vague region. He discerned a policeman sitting in a pew near the door. "I knew then," he said, when speaking of the incident afterward, "that the prize sermon was done for, so far as its hold on my congregation was concerned. The policeman had their attention until the end of the service. It is a curious fact that nowhere does a policeman create such a sensation as in a church. He may go into a theater, a lecture room or a political meeting and nobody except the obstreperously inclined pays any attention to him; but just let him step inside a church, and he causes a real commotion. I don't know why. Certainly nobody expects to be arrested during the service."

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STARTED WITH WRONG IDEA

Author Realizes That He Missed Much of Life by Failure to Be His Natural Self.

David Grayson, writing a new Adventure in Contentment in the American Magazine, says: "It's a great thing to wear shabby clothes and an old hat! Some of the best things I have ever known, like those experiences of the streets, have resulted from coming up to life from underneath; of being taken for less than I am, rather than for more than I am. 'I did not always believe in this doctrine. For many years—the years before I was rightly born into this alluring world—I tried quite the opposite course. I was constantly attempting to come down to life from above. Instead of being content to carry through life a sufficiently wonderful being named David Grayson, I tried desperately to get up and support a sort of dummy creature which so elated, so housed, so fed, should appear to be what I thought David Grayson ought to appear in the eyes of the world. Oh, I spent quite a lifetime trying to satisfy other people!"

For Nerves. A case of "nerves" is like a bad habit, easily acquired and hard to get rid of. Nervousness affects the digestion, dulls the eyes, gives a strained look to the muscles of the face, and, if allowed its course, will even make the hair thin. So the woman who wants to be beautiful must keep an eye on the state of her nerves.

The best cure for nervousness is rest. Resting is an art known to few women. The only way a woman may repose and relax the body and nerves is by actual will power. Carrots are prescribed by physicians and beauty doctors alike as a cure for nervous indigestion. You are told to eat them three times a day, either cooked or raw. Young onions or scallions are excellent eaten with plenty of salt; also lettuce with salt and plenty of olive oil, but no vinegar and red pepper.

Sleeplessness is the greatest menace that tired or overworked nerves have for beauty and health. Sleep may be induced by warm milk; sipped slowly, or, if this is ineffective, by long draughts of cool water and a cold bandage around the brow.

London 'Bus Vanishing. In view of the inquiry now in progress in London in connection with the city's motor traffic, including the question of the motor 'bus, it is of interest to note that while in 1903 there were 3,500 horse 'busses plying the streets of the metropolis this number has now been reduced to 100, and it is expected that by the beginning of 1914 the horse 'bus will have finally vanished. Richard Tilling, whose well-known firm started the famous Tilling 'busses in the year of the great exhibition with a single one-horse omnibus, recently stated that "there will not be a single omnibus horse seen in London by the end of this year." Old horse 'busses are now used as bungalows and cricket pavilions, and though the average original cost of each was \$700, they are now sold for about \$15 a piece.

Important to Mothers. Examine carefully every bottle of CASTORIA, a safe and sure remedy for infants and children, and see that it bears the Signature of Dr. J. C. Fletcher in Use For Over 30 Years. Children Cry for Fletcher's Castoria.

Arnold a Lenient Examiner. When Matthew Arnold was a school examiner a fellow inspector of a class of girl pupil-teachers asked Arnold to examine for him. Arnold gave each of the young women the "excellent" mark. "But," said the other inspector, "surely they are not all as good as they can be; some must be better than others." "Perhaps that is so," replied Arnold; "but then, you see, they are all such very nice girls."

Hard Job. A rural subscriber in central Kansas took his telephone to the central office for repair. "When you get it fixed call up my residence," he instructed the workman. "All right," replied the electrician, and the countryman was gone before the situation dawned upon either of them.—Kansas City Star.

Here's Walter Johnson

Washington "Nationals" (American League) one of the speediest pitchers of either of the big leagues—he



Drinks **Coca-Cola**
He's got the heat, the arm, the ginger and the endurance. Coca-Cola didn't give him them; but he says it's the one best beverage for the athlete in training—
The Successful Thirst-Quencher
For Ball Players—and YOU
Send for Free Booklet.

Ride a hobby if you will, but remember you are not the only jockey in the race.
Mean Intimation.
"What is this hard, round object which has just rolled to my feet?" "I don't know whether it's a golf ball or one of my wife's biscuits."—Baltimore American.

RUB-MY-TISM
Will cure your Rheumatism and all kinds of aches and pains—Neuralgia, Cramps, Colic, Sprains, Bruises, Cuts, Old Sores, Burns, etc. Antiseptic Anodyne. Price 25c.—Adv.

Laws of Physics. Caustic Calkins dropped his watch on the sidewalk. "Did it stop?" inquired Solicitous Jones. "As the flagging is four inches thick," replied Calkins, "it did. But I think, if I got a heavier watch it may go through next time."

Heat Lightning. Heat lightning is ascribed to distant lightning flashes which are below the horizon, but illuminate the higher strata of clouds so that their brightness is visible at great distances; they produce no sound, probably in consequence of the fact of their being so far off that the rolling of thunder cannot reach the ear of the observer.

How it Really Happened. Once upon a time ground grain between two flat stones to procure meal—Christian Science Monitor. Never! Woman did it while friend man sat around and told the boys about the big one that got away.—Detroit News-Tribune.

Altogether Too Successful. Quizzer—"What's the matter, old man? You look worried." Slizzer—"I have cause to. I hired a man to trace my pedigree. Quizzer—"Well, what's the trouble? Hasn't he been successful?" Slizzer—"Successful! I should say he has! I'm paying him hush-money."—Judge.

THE BEST HOT WEATHER TONIC, GROVE'S TASTELESS CHILL TONIC
The Old Standard, General Tonic. Drives out Malaria, Enriches the Blood and Builds up the Whole System.
FOR ADULTS AND CHILDREN.
It is a combination of QUININE and IRON in a tasteless form that wonderfully strengthens and fortifies the system to withstand the depressing effect of the hot summer. GROVE'S TASTELESS CHILL TONIC has no equal for Malaria, Chills and Fever, Weakness, general debility and loss of appetite. Gives life and vigor to Nursing Mothers and Pale, Sickly Children. Removes Biliousness without purging. Relieves nervous depression and low spirits. Arouses the liver to action and purifies the blood. A true tonic and sure appetizer. Guaranteed by your Druggist. We mean it. 50c.

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Rejoice! Pellagra HAS been cured!! YOU CAN BE WELL AND STRONG AGAIN!! My Remedy NEVER FAILS to relieve the most distressing symptoms within a few days, and CURES within a few weeks or months. Hundreds of grateful patients testify to the marvelous healing power of **Baughn's Pellagra Remedy**. For Pellagra and Nothing Else Don't despair! Write me today for my FREE BOOK, which gives many testimonials like Mrs. Baker's—tells how to recognize Pellagra—about my Remedy—its cost—my unreserved guarantee—my responsibility—gives symptom blank and tells you how to order. If you have Pellagra—if you know anyone else who has—write for this book. Don't delay. You take no risk. Remember you are protected by our guarantee.

Her Mind Affected—Doctors Couldn't Help Her—Cured in 30 Days By My Remedy.
State of Alabama.
Before me, J. Frank Baker, a Notary Public and for and within and county, personally appeared Mrs. Viola Baker, who being duly sworn, deposes and says that on or about the first day of July, 1911, she went to Dr. E. J. of Carbon Hill for treatment for Pellagra and used his treatment for two weeks, growing continually worse until she had almost entirely lost her mind. She then began using Dr. G. P. Baughn's treatment, showed decided improvement after three days and was entirely cured after 25 days. She returned to and subscribed before me this 19th day of February, 1912. J. FRANK BAKER, N. E.
We guarantee this Remedy, if used according to directions, to cure Pellagra, or refund all you've paid us, with 5% per annum interest for the time we've had your money. The Central Bank and Trust Co. of Jasper, Ala., guarantees this guarantee.

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If not sold by your druggist, will be sent by Parcel Post on receipt of price. Arthur Foster & Co., Louisville, Ky. OLDEST BEST.

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If Yours is fluttering or weak, use **RENOVINE**. Made by Van Vleet-Mansfield Drug Co., Memphis, Tenn. Price 51.00