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We offer One Hundred Dollars Reward for any case of Catarrh that cannot be cured by Hall's Catarrh Cure.

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Hall's Catarrh Cure is taken internally, acting directly upon the blood and mucous surfaces of the system. Price, 75c per bottle. Sold by all Druggists. Testimonials Free.  
Hall's Family Pills are the best.

## Farm and Garden

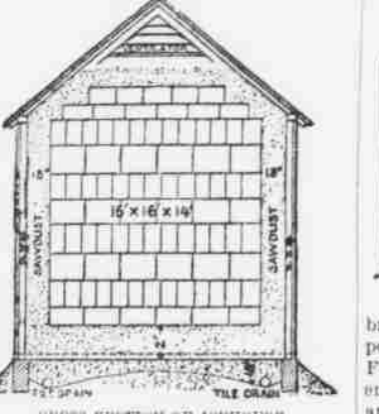
### THE COUNTRY ICEHOUSE.

An Important Adjunct to the Up to Date Farm.

By PROFESSOR OSCAR RFF, Ohio Agricultural College.

In this age of advanced farming the icehouse is an important adjunct. The most economical building is the one so constructed that it will preserve the greatest amount of ice in proportion to the amount of ice stored. Waste in an icehouse is largely caused by melting from the top, sides and bottom. In a properly constructed icehouse and when the ice is properly packed and cared for no waste should take place from the inside of the pile of ice. The melting from the sides, bottom and top is caused by insufficient insulation.

To insulate to such an extent that no melting would take place would be impracticable, but with a thorough



CROSS SECTION OF ICEHOUSE.

understanding of the construction of an icehouse a minimum amount of melting can be obtained. The waste from the bottom is generally considered to be the greatest. The amount of ice melted in the bottom of the icehouse varies from one to six feet during the year, depending upon the construction of the floor. If the icehouse is provided with an air tight floor, with the ice laid on at least eighteen inches of dry sawdust, the bottom waste rarely exceeds twelve inches during the year. On the other hand, if the ice is piled in the icehouse on the bare ground without any insulation under it or any provision made for drainage the melting frequently is six feet. The side and top melting is not so great, but it frequently ranges from one to three feet, depending upon the insulation. The manner of insulation is shown in the cut of cross section of icehouse.

The icehouse should be located in the coolest place possible and always above ground. The size of the building must be determined by the amount of ice used during the year. For a



ICE AND MILK HOUSE COMBINED.

man who keeps about twenty cows and sells the milk an icehouse 14 by 14 by 12 feet high is of sufficient size. However, in no case should an icehouse be smaller than 12 by 12 by 10 feet high, because the outside surface is too great compared with the volume, and therefore too much ice is wasted in proportion to the amount used.

In the plans submitted the framework is made by laying a 2 by 4 sill on the concrete foundation. Fasten this to the foundation by cementing a few bolts into the concrete and allowing them to extend through the 2 by 4 sill. Two by four studs are then placed upon this sill sixteen inches apart from center to center. The rafters for the roof are likewise made of 2 by 4s, placed the same distance apart as the studs, but the rafter plate upon the 2 by 4 studs should be at least six inches wide. The outside of studs may be boarded either with common sheathing and paper, upon which paper siding is nailed, or with patent siding or ship lap siding, the latter being the cheapest and requiring only a single thickness of board.

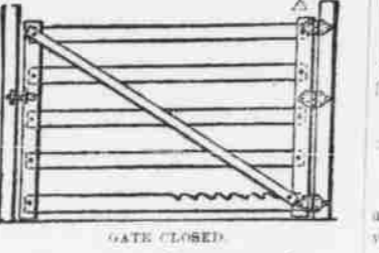
The roof should be made with not less than one-half to one-third pitch and preferably covered with shingles, for shingles are better insulators than either slate or metal. However, paper may sometimes be used to good advantage. A cupola or dome should be built upon the roof to allow for the removal of the warm air from the top of the ice. The ventilator may be placed in the gable end instead of the cupola and when so placed acts for the same purpose.

A continuous door should be cut in one end to allow the ice to be put in. This door may extend from the gable down to within five feet of the bottom. In the cut, ice and milk house combined, the side elevation shows how the scheme has the advantage of utilizing the water from the icehouse here shown for cooling the milk. No ice needs to be removed from the icehouse. It operates automatically. If the weather is warm the ice melts more rapidly and keeps water in the tank at the required temperature.

### GATE FOR THE SNOWDRIFT.

Simple Plan For Open Way In and Out.

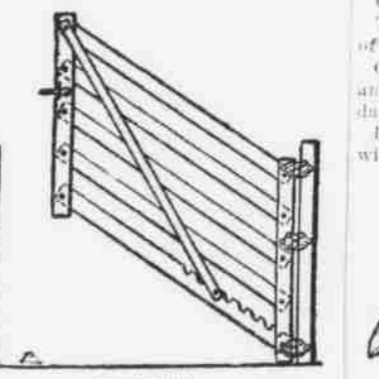
There is no snow cleaning in the country. The farmer breaks his way through the drifts with difficulty. There is more play for the winds in the country than there is in the city, and when the snow accompanies the wind the drifts impede travel and clog the ways about the farm. The gateway must be kept clear because that is the way in as well as the way out. Unless the gate is constructed in a manner that will readily yield to the



GATE CLOSED.

impediments it is about as good as no gate. In the plan suggested herewith is a partial solution of the difficulty which so often confronts the farmer at this season of the year. Two cuts are pictured. They show a gate which can be readily adjusted in case of snowdrifts.

It is easily made from ordinary lumber. A 1 by 9 upright is used for the two lower boards, 1 by 4 for the upper ones. The uprights at the hinge post are double 1 by 4, one piece on the side and the other inside the bars. The upright at the latch side may be the same weight of stuff or slightly lighter and fastened in the same way. Instead of nailing the bars to these uprights, bolts are used, one for each bar at each end. The lowest board is notched, as shown, and the double



GATE OPEN.

brace used from the top of the latch post to the bottom of the hinge post. For the braces 1 by 3 stuff is strong enough. These may be held in place at the top by a single bolt. They are joined near the bottom with a bolt which engages with the notches when the gate is raised, as shown in the cut.

### Tuberculosis in Animals.

The international congress on tuberculosis which recently met in Washington, as a whole, dealt especially with human tuberculosis, but considerable attention was directed to tuberculosis in domestic animals and notably to questions dealing with the milk and meat supply and with the inspection of these products. One of the seven sections into which the congress was divided devoted itself especially to these topics, and the general addresses before the congress, as a whole, included a lecture by Professor Raymond Bang of Copenhagen on "Studies in Tuberculosis in Domestic Animals and What We May Learn Regarding Human Tuberculosis." An extended discussion followed the reaffirmation by Professor Dr. Robert Koch of Berlin of his theory as to the nonidentity and nontransmissibility of human and bovine tuberculosis, after which a resolution was unanimously adopted recommending "that preventive measures be continued against bovine tuberculosis and that the possibility of the propagation of this to man be recognized."

The very extensive exhibits from the various countries in America and Europe attracted much attention and presented a vast amount of illustrative material of rare educational value. Phases dealing especially with the prevention and treatment of the disease in its early stages predominated, there being a great variety of models of sanatoria and special appliances.

### James J. Hill's Idea of a Farm.

There will be much discussion of farming for the next few months from many angles, one among them being the most useful size of farms. We do not wish to be one-sided and shall always state fairly the large farm or combination arguments, but it seems to us that farming in this respect is the exception among businesses. Economy in the cost of supervision is the only reason for the expansion of the unit in any business, and land is more productive under the small farm system. Even if larger farm units are possible they are not desirable. We do not want the European regime of an overlord with tenant farmers. We want the greatest number of independent little farmers, who hardly need even one farm hand. James J. Hill has more sense than nearly all of the professors, and he delivered an opinion two years ago to the effect that the individual farmer must have fewer acres and more cows.

### Training Girls For Farm Work.

The Arsey House Colonial Training school at Hiltens, England, is devoting itself to the training of girls for life in the English colonies, more especially for farming life. Through out the wheatfields of Canada there is a continual demand for women to help on the farms, but the ordinary servant is far from answering the requirements. The girls at Arsey House are taught plain cooking and breadmaking (which is not expected of an English cook, who gets her bread from the baker), riding, driving, stable management and simple carpentering. These unusual elements of education are to make the girls resourceful and capable members of a community far from any center of civilization.

### Wood Ashes For Horses.

A little wood ash is held to be very beneficial to horses. It is given a teaspoonful at a time, sprinkled on a few of oats.

**POULTRY NOTES**  
BY  
C. M. BARNITZ  
RIVERSIDE, PA.  
CORRESPONDENCE SOLICITED

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### COLD, ROUP, DIPHTHERIA.

Millions of turkeys, chickens, pheasants and pigeons die of roup every winter.

The rooster with bulging nose, tearful eyes, swollen eyelids and white diarrhea has cold or stumps cold, which is not contagious; sometimes disappears of itself or, if unchecked, prepares a lodging place for diphtheria, cold air, curable dampness, wet runs, extreme cold, head ventilation and frozen droppings bring cold and roup, which first strike in cold, poor birds, heavy, white or late hatched stock, and the pump discharge in the water or drips and pouring in the air enters the eye and respiratory organs of young birds, and all are affected.

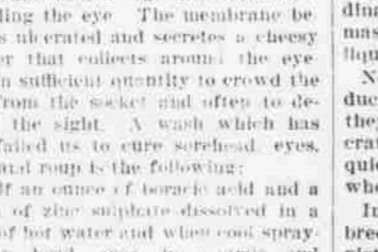
Treatments remove cause and apply any of the following remedies:

1. Treat rousers in nostrils. Clean cleft of mouth with feather dipped in oil and put a few drops of oil on drinking water. One grain of quinine at night.

2. Ten drops of acetate to two quarts of water.

3. One one-hundredth grain of arsenic antimony to every stick food in drink daily.

Roup or contagious catarrh includes, with symptoms of cold, swollen head



A TURKEY'S EYE.

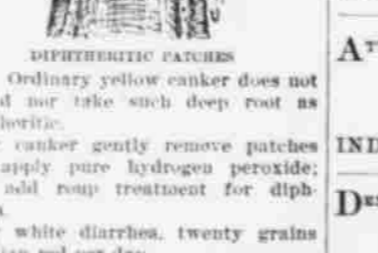
and eyes, dark red comb, fever, closed nostrils and cleft of mouth, shaking of head to clear nasal passages, whistling, snoring sound caused by air passing over dry mucous membrane, pip and a peculiar offensive odor. This disease spreads up the nasal passages and attacks the membrane surrounding the eye. The membrane becomes ulcerated and secretes a cheesy matter that collects around the eye ball in sufficient quantity to crowd the eye from the socket and often to destroy the sight. A wash which has not failed is to cure rousers, eyes, cold and roup is the following:

Half an ounce of boracic acid and a dram of zinc sulphate dissolved in a pint of hot water and when cool sprayed on head, eyes, in nostrils and mouth.

Other good remedies are: Two table-spoonfuls of kerosene on surface of pint of cold water. Twice a day dip foot of head quickly through film of oil. Spoon cleft of mouth open, give grain of quinine at night and keep a slight film on drinking water.

Burn carbolic acid on hot combs under roost at night.

Roup is not diphtheria, but becomes that agent when head colored canker appears in mouth, throat and wind



DIPHTHERITIC PATCHES.

pipe. Ordinary yellow canker does not spread nor take such deep root as diphtheria.

For canker gently remove patches and apply pure hydrogen peroxide; also add rous treatment for diphtheria.

For white diarrheas, twenty grains venetian red per day.

Feed nourishing food and flavor with ginger. But listen, if you keep well fed, well bred, vigorous stock in comfortable, sanitary, well ventilated, roomy quarters and always stop, look, listen and sleep with one eye open you have little to fear.

How to Handle Sick Stock.  
Place the sick animal in a well disinfected and dry box stall with plenty of bedding and sunlight (avoid drafts). In cold weather place a blanket on the animal and feed sparingly with digestible food, such as bran mash made of flaked tea. Keep manger sweet and clean. Water should be pure and clean and warmed when necessary. It is always necessary for new milk cows to be given warm water. An injection of warm water should be given all sick animals, excepting those you can be sure do not require it.—Dr. David Roberts, Wisconsin State Veterinarian.

### ONLY A DEAD HEN.

Lay her down gently in the sweet earth. She's only a hen, 'tis true, But how snowy her feathers, how noble her birth! And she did her best for you.

Her comb was as red as a rose in June. How she trilled at work or play, And how she cackled in lively tune As she sang her fondelay!

You were proud of your beautiful snow white hen. As you smoothed her glossy breast, You loved her most of the hens in the pen. She was prettier and best.

She ate from your hand and sat on your knee. And seemed to say to you: "Dear master, you can depend on me. I'll lay big eggs for you."

But the gleam has gone from her bright bay eye. Her white wing is stretched and still. For beautiful hens, like men, must die. We may prize them as we will. C. M. B.

### FEATHERS AND EGGSHELLS.

The individual who made the cross of northern and Mexican wild turkeys that resulted in the Mammoth Bronze, English Game and other breeds, stay the earth with a fine tooth comb to find another place of turkey origin, but have failed. It is truly the American bird.

Turkeys are death to grasshoppers, moths and beetles. Twelve thousand wireworms and 440 dandy longlegs were taken from the crops of two pheasants, and it's fun to see a Reeves cock clean up the field mice. Guinea go for army worms, and Pekin ducks say an moonlight nights to dig slugs, but Tom Tumbledown's lousy hens raise their own bugs.

The state fish and game commission of San Bernardino county, Cal., recently purchased wild turkeys from Mexico that are so tame they can't be "shooed." When turned loose the strangers stopped with the cangars and laid in the manglers.

Seeing a recipe that advertised how to keep the hands soft and white, a young lady sent the dollar and awaited reply. This is what came: Dip your hands three times a day in fish-water and help mother." The poultry man's wife needs no complexion cream to beautify her dimpled cheeks, and her partner isn't asking Santa Claus for a manure set and feather beds of ease.

When a flock of wild turkeys reach a river they halt for several days to rest before crossing. They then fly to the top of the highest tree and fly across. Those that fall into the water easily get to shore by swimming with their wings unless the opposite bank is very high.

If you are cramming fowls here is a No. 1 mixture. Fifty pounds ground oats, all hulls removed; five pounds cornmeal, three pounds meal clover or alfalfa, three pounds blood meal, one-half pound salt. Mix thoroughly and stir quantity desired into sour milk or buttermilk to the consistency of thick cream. An expert and his assistant can feed 250 an hour by this method. To finish fowls in the ordinary style, this makes a fine, moist mash and splendid flesh. Lessen the liquid and try it.

Noting the nervousness of Pekin ducks we would think wiser shipped they would kill themselves in the crates. It is just the opposite. They quiet right down like the blowhard who is told to shut up or put up.

In England it is against the law to breed game roosters. From the many pictures of game prize winners in the London journals the law must be a dead letter. "There are others."

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### Simple Remedy For Lagrippe

Racking lagrippe coughs that may develop into pneumonia over night are quickly cured by Foley's Honey and Tar. The sore and inflamed lungs are healed and strengthened, and a dangerous condition is quickly averted. Take only Foley's Honey and Tar in the yellow package. C. Stafirin; M. L. Thompson, Falls City.

A Michigan man may establish a large basket factory in Drain.

There is no case on record of a cough, cold or lagrippe developing into pneumonia after Foley's Honey and Tar has been taken, as it cures the most obstinate deep seated coughs and colds. Why take anything else. C. Stafirin; M. L. Thompson, Falls City.

A creamery may be established in Ontario.

Many little lives have been saved by Foley's Honey and Tar, for coughs, colds, croup and whooping cough. It is the only safe remedy for infants and children as it contains no opiates or other narcotic drugs, and children like Foley's Honey and Tar. Careful mothers keep a bottle in the house. Refuse substitutes. C. Stafirin; M. L. Thompson, Falls City.

Ontario has bought a site for a city building.

You would not delay taking Foley's Kidney Remedy at the first sign of kidney or bladder trouble if you realized that neglect might result in Bright's disease or diabetes. Foley's Kidney Remedy corrects irregularities and cures all kidney and bladder disorders. C. Stafirin; M. L. Thompson, Falls City.

A cheese factory is being built at Florence.

If you will take Foley's Orino Laxative until the bowels become regular you will not have to take purgatives constantly, as Foley's Orino Laxative positively cures chronic constipation and sluggish liver. Pleasant to take. C. Stafirin; M. L. Thompson, Falls City.

Freewater is going to try to get artesian water.

Don't Get a Divorce.

A western judge granted a divorce on account of ill-temper and bad breath. Dr. King's New Life Pills would have prevented it. They cure Constipation, causing bad breath and Liver Trouble, the ill-temper, diaped colds, banish headaches, conquer chills. 25c at Belt & Cherrington drug store.

There were 251 births and only 91 recorded deaths in Union county last year.

### Brave Fire Laddies

often receive severe burns, putting out fires, then use Bucklen's Arnica Salve and forget them. It soon drives out pain. For Burns, Scalds, Wounds, Cuts and Bruises its earth's greatest healer. Quickly cures Skin Eruptions, Old Sores, Boils, Ulcers, Felons; best Pile cure made. Relief is instant. 25c. at Belt & Cherrington drug store.

One Grande Ronde valley farmer has subscribed 480 acres to the big irrigation project.

### President Helps Orphans.

Hundreds of orphans have been helped by the President of The Industrial and Orphan's Home at Macon, Ga, who writes: "We have used Elie's Bitters in this institution for nine years. It has proved a most excellent medicine for Stomach, Liver and Kidney troubles. We regard it as one of the best family medicines on earth." It invigorates the vital organs, purifies the blood, aids digestion, creates appetite. To strengthen and build up this, pale, weak children or run-down people it has no equal. Best for female complaints. Only 50c at Belt & Cherrington drug store.

The Stumper American predicts that dredges will be taking out gold near that town next spring.

### A Horrible Hold-Up.

"About ten years ago my brother was 'held up' in his work and happiness by what was believed to be hopeless Consumption," writes W. R. Lipscomb, of Washington, N. C. "He took all kinds of remedies and treatment from several doctors, but found no help till he used Dr. King's New Discovery and was wholly cured by six bottles. He is a well man today." It's quick to relieve and the surest cure for weak or sore lungs, Hemorrhages, Coughs and Colds, Bronchitis, La Grippe, Asthma and all Bronchial affections. 50c and \$1.00. Trial bottle free. Guaranteed by Belt & Cherrington.

### Very fine crops of potatoes and other vegetables are raised on semi-arid land by the dry farming process in Wasco county.

### A Religious Author's Statement

For several years I was afflicted with kidney trouble and last winter I was suddenly stricken with a severe pain in my kidneys and was confined to bed eight days unable to get up without assistance. My urine contained a thick white sediment and passed some day and night. I commenced taking Foley's Kidney Remedy, and the pain gradually abated and finally ceased and my urine became normal. I cheerfully recommend Foley's Kidney Remedy. C. Stafirin; M. L. Thompson, Falls City.

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V. L. Settle, Richmond, Mo., writes: "This is to certify that I have used your Snow Liniment for ten years for rheumatism, neuralgia, lame back, etc., and in every case it has rendered immediate relief and satisfaction."

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Ask your Druggist for a New Sample and TEST  
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Every garment bearing the sign of the fish guaranteed waterproof. Catalog free.

### IT'S YOUR KIDNEYS

Don't Mistake The Cause of Your Trouble—Delay May Prove Fatal.

Does your back ache? Do you get up lame in the morning? Do you feel dull and tired? Do you get up in the evening, to lift anything, to get up from a chair? Do you have sudden "cutters" or stitches of pain in the back? Does a dull, throbbing ache settle in the small of your back and bother you day and night? Do you sometimes feel that you simply cannot straighten up? You cannot make any mistake by treating the kidneys at once, for it is these small troubles that lead to dropsy, diabetes and Bright's disease. If there is any doubt in your mind that the kidneys are affected, notice the urine for a few days. If passages are irregular, painful or too scanty, discolored or full of sediment, the kidneys need help right away and there is no other medicine more helpful than Doan's Kidney Pills, a simple remedy for the kidneys, yet so powerful that it quickly cures the cause and so ends all the painful and annoying symptoms.

Home proof is convincing evidence of the efficiency of Doan's Kidney Pills. Call at Belt & Cherrington's drug store and ask to see statements of Dallas people who have used this remedy. For sale by all dealers. Price 50 cents. Foster-Milburn Co., Buffalo, New York, sole agents for the United States. Remember the name—Doan's—and no other.

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