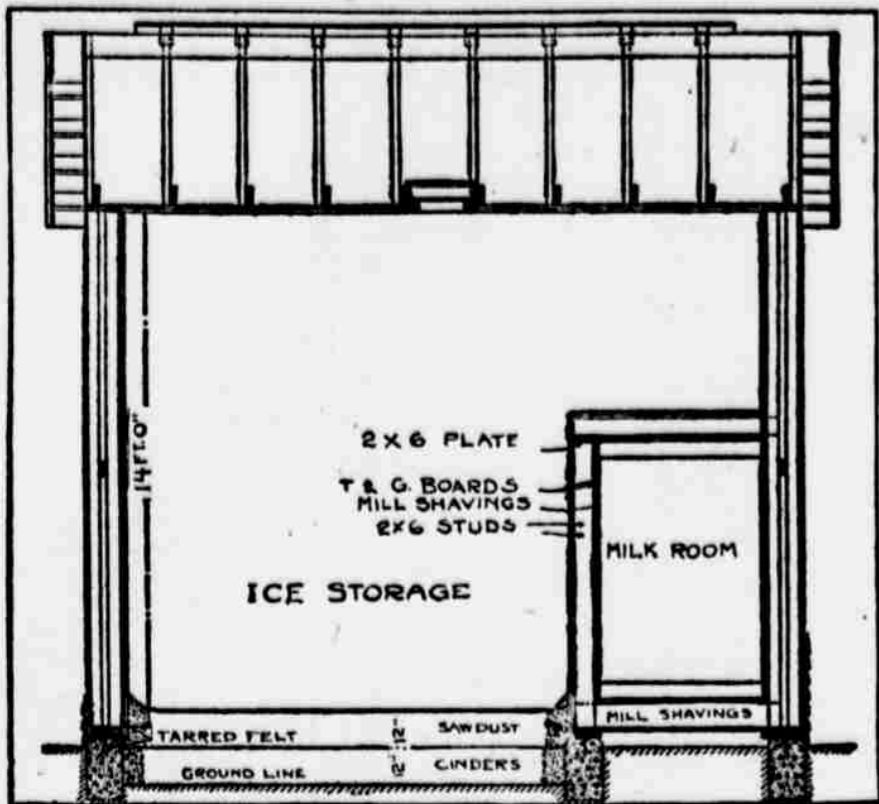


WOODEN ICEHOUSE SUITED TO DAIRYMEN



Wooden icehouse, insulated with sawdust or mill shavings.

(Prepared by the United States Department of Agriculture.)

Among its typical designs for farm icehouses suited to dairymen the United States department of agriculture offers the following suggestion for a wooden icehouse, insulated with sawdust or mill shavings:

Framing.—All framing used should be dry, square-edged, sawed fair and full to the sizes given, and should not contain any of the following defects: Worm holes, shakes, heart pith, warped, twisted, or unevenly sawed lumber, rotten or unsound knots. Sizes to be as shown on drawings.

Boards.—All boards used should be thoroughly dry and sound and free from loose knots, heart centers, shakes, or splits, and should be dressed and tongued and grooved. Unseasoned boards should be carefully avoided.

Papers.—All paper used should be heavy waterproof insulating paper,

a certain amount of heat under given conditions.

Cinders.—Coal cinders should be used where obtainable to cover the ground area of building in preference to sand or gravel.

Excavating and Grading.—Excavate for floor and foundations sufficient to get a solid and firm footing. Grade entire floor to level shown and roll and tamp until firm and solid.

Foundations.—Footings should be of stone or concrete of size shown on drawings and of sufficient depth to insure a solid foundation.

Carpenter Work.—All work to be executed in a substantial workmanlike manner.

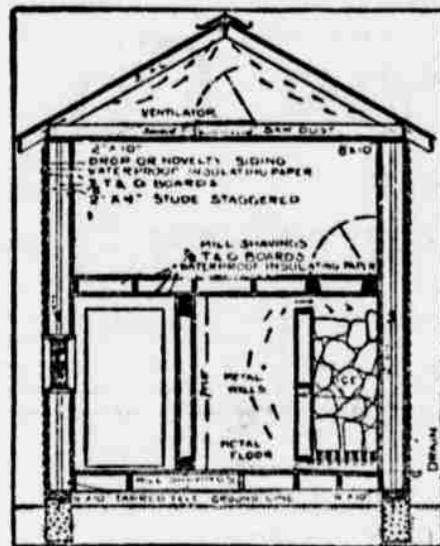
Walls.—Set up double rows of 2 by 4 staggered with one 2 by 4 tie, as shown on drawings, and cover outside with one course of 3/4-inch tongued-and-grooved boards. Place on the outside of this two layers of waterproofed insulating paper and then a good quality of drop or shiplap siding. For inside of room place directly on studs one course of 3/4-inch tongued-and-grooved boards, then two layers of waterproofed insulating paper, and finish with one course of 3/4-inch tongued-and-grooved boards. Paper to extend continuously around the corners and lap six inches.

Ceiling.—Ceiling to be constructed as shown on drawings, with one course of 3/4-inch matched boards nailed to joists, then two layers of waterproofed insulating paper, following by a course of 3/4-inch tongued-and-grooved boards.

Roof.—Roof to be sheathed with 1-inch rough board and covered with good quality of shingles laid 4 1/2 inches to weather and securely nailed. Or some one of the patented roofings may be used.

Doors.—Doors to be constructed as shown on detail drawings, of a good quality of seasoned lumber. Commercial doors can be bought at a reasonable price, and will probably give better satisfaction than those constructed by an inexperienced carpenter.

Insulation.—When shavings or sawdust are used they should be thoroughly dry and free from dirt, chips, and bark, and well packed into place. When commercial insulation is used and installed by the manufacturers, it is usually under guaranty that the insulation will not transmit more than



End View of Icehouse.

not the ordinary building paper. Double thickness of paper should be used in all cases, each layer lapping six inches over the preceding one. The layers should extend continuously around all corners, and breaks should be carefully covered.

Drainage.—Provide for thorough drainage by filling in a floor about 12 inches deep with cinders or gravel, and if necessary provide a 3-inch porous tile drain. Drain to be properly trapped to prevent warm air from entering room.

Ventilation.—Provide ventilation as shown on drawings.

ATTENTION TO WORK HORSES

Labor Should Not Be Continued for Long Period Without Good Rest and Change of Diet.

Horses at work on the farm should be given the best of care, and the work should not be too severe or continued for too long time without giving the horse a rest and change of diet. Collars should be examined frequently to see that they conform to changes in the size of the neck as fat changes to muscles, and the hames should be kept perfectly adjusted to the collar. The mane should be kept from under the collar and the shoulders should be washed at meal times, preferably with a little salt in the water. Oats is the standard grain where available, and mixed clover and timothy is one of the best hays. A little hay may be given at noon, all the animals will eat up cleanly over night, and none in the morning. Water should be given three times a day before feeding, and it should be clean enough for the owner to drink.—Ohio Agricultural College Bulletin.

PROFIT IN BREEDING SHEEP

Keep Animals Feeling and Looking Good and Flock Will Return the Best They Possess.

The main point in the business of sheep breeding is to get the best lot of breeding ewes you can for the money you have to invest, then the best ram, and aim to handle them so as to get the best results in numbers and quality of progeny.

This means an observance of care and feeding that will keep these animals always feeling good, looking good, and the flock will return to you the best they have.

TREATING SHEEP FOR WORMS

Pasture Rotation, Combined With Drugs, is Practical Method of Successfully Combating Pest.

The stomach worm is the worst pest affecting sheep. Lambs are more susceptible than older sheep, probably because the older sheep are accustomed to the presence of the worm. In the spring, soon after lambing, the old sheep should each receive a dose of one or two ounces of gasoline, followed by a small dose of epsom salts. After a day or two they should be placed in a worm-free pasture, if possible.

In July treat the whole herd, including the lambs, with gasoline, and turn them into new pasture, and repeat the process in November. Pasture rotation, combined with drugs that are injurious to the worms, is a practical method of successfully combating this worm.

GREAT WORK BY SCIENTISTS

Results of Research Have Been of Immense Value to Farmers in Many Different Branches.

Scientists have learned much about soils and plants and animals. They have classified the soils and know about their crop adaptation. The effects of manures, fertilizers, lime, drainage and cultivation have been studied. Varieties of the various grains, grasses, legumes, fruits and vegetables have been compared. The production of fruit and vegetables demands great skill.

Science has enabled the orchardist and market gardener to combat successfully some of the worst funguses and insect foes. In dairying and poultry husbandry the results of research have immense value for practical men.

CURED, BUT SHE DOESN'T KNOW IT

Girl Is Bed-Ridden and Speechless for Ten Years After a Fall.

IS PUZZLE TO DOCTORS

Neither the Child Nor Her Parents Discover She Is Better—Gradually Led to Walk and Talk By Teacher.

Los Angeles.—One of the most remarkable cases known in medical history and one fraught with interest both to surgeons and to students of psychology, has been called to the attention of scientists in this city. It is the case of Carlotta Sausedo, a fifteen-year-old schoolgirl.

For three years Carlotta was considered a hopeless paralytic, who would never be able to speak or walk. She had been injured by a fall on her head from a swing when she was twelve years old.

It is declared now by doctors and her teachers that whatever body or brain injuries she may have received from that fall have been absolutely outgrown and that she is perfectly normal physically and mentally, except that her mind has failed to register the fact of her recovery.

Doesn't Realize She Is Well.

In other words, according to the doctors, if the child's mind can be awakened to the fact that she has recovered from her fall she will be able to walk, talk and develop as other children do.

While three weeks ago Carlotta could not speak and could not walk alone, today she speaks with ease, walks without help and can even walk up and down the school stairs alone.

Three years ago the little girl pitched from a swing to her head. She was picked up and stood on her feet. Instead of standing still she began to whirl round and round. She was entirely unable to stand still or to sit up. She was put to bed and pronounced a hopeless paralytic. Her power of speech was completely stopped.

Schoolteacher Finds Her.

With the beginning of the present school term Miss Ettie Lee, one of the



In Bed for Three Years.

grammar school teachers, discovered the child. There were five other children in the family, all normal, and Miss Lee inquired into Carlotta's history. Securing medical examination, she learned that, whatever bodily injury may have been caused by the fall, it no longer existed.

"We cannot tell Carlotta she is not a cripple or sick because her mind has to be awakened up gradually to that fact," Miss Lee said, "but we are teaching her by degrees. She is placed in a special class at school and her teacher invents little exercises and lessons for her."

"She had to be almost carried to school. Her teacher made a small sand pile in the playground and many times a day took Carlotta there and helped her walk over it. Today Carlotta can walk up and down the school stairs. The other day she went alone to the soup kitchen, got her cup of soup and sipped it unaided."

Was in Bed Three Years.

"When school opened she could not talk. Now she talks to us and knows what we say. She can count in English and Spanish and can write her own name. Her father tells me she was unusually bright before the fall, and I see no reason to suppose that she cannot be restored to her former condition."

"She has been in bed for the greater part of the past three years, as the schools at Chino would not take her in. So, while her body healed itself, apparently her mind never recovered from the shock of the fall."

Little Carlotta was taken to the Parent-Teacher clinic for further examination to verify the diagnosis of other doctors. If a similar report is made, her special teachers will continue as they have begun in their novel work of teaching the child's mind that her body is neither paralyzed nor injured in any way.

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WHAT HE WAS LOOKING FOR

Dreary Samuel in Earnest Effort to Secure Employment, but Not, of Course, for Himself.

"Well, what do you want?" said the master of the house sternly to Dreary Samuel, the tattered tramp, as he stood outside the door, shivering with the most accomplished art.

"I'm looking for work," replied he of the unemployed brigade. "Ain't you got no scrubbin' or washin' or cleanin' or nothin' that an honest body could do?"

This earnest appeal for work made the householder think that he had misjudged a real, honest British laborer out of work.

"Ah!" he said, "now you speak like a man. I like to hear of anyone willing to make an effort. I never thought you wanted work of that kind."

"No more I do," whined Samuel, shuddering at the bare idea. "It's work for my wife that I'm a-lockin' for."—London Answers.

Speedy.

"I understand young Jiggers has taken up the pursuit of literature."

"Yes, but he hasn't caught it yet. Literature is pretty swift nowadays, you know."

The prettiest thing in feminine headgear is a good-humored face.

He Was a Boy Himself.

"No," said Uncle Foggy to a group of urchins. "I am not going to walk through your game of marbles, but around it. I was once a boy myself and know how you feel about it. I am not going to pat any of you on the head and prognosticate that you will be president some day. I was once a boy myself and still remember how tired I got of philanthropic old goops patting me on the head. On the other hand, you young varmints are not going to lam me in the back with a dornick when I start on my way, as, having once been a boy myself, I shrewdly suspect you intend to do, or I'll wrap my faithful hickory around you about twice apiece. Haur-raump!"—Kansas City Star.

He Pleased the Baby.

Restaurant Patron (caustically)—I am glad to see your baby has shut up, madam.

Mother—Yes, sir. You are the only thing that's pleased him since he saw the animals at the zoo.—Puck.

Its Class.

"Forestry is a science."

"No, it's an art. Isn't it where all the wood cuts come from?"

Men laugh at feminine folly, but it fools them just the same.

The man who goes through life on a bluff eventually walks.

BANKER A REAL TIGHTWAD

Kansas's Act Hard to Beat, Even by Those Who Have Made the Matter a Study.

Gomer Davies of the Concordia Kansas, declares that the worst tightwad story he ever heard was told him years ago by Doctor Jones at Republic City. The doctor was an all-around practitioner, and occasionally pulled teeth, the town having no dentist. The president of one of the banks came in to the doctor's office one evening leading his seven-year-old boy by the hand. "Doc," he asked, "have you a tooth forceps handy?" Getting "Yes" for an answer, he asked to see them, and the doctor handed them over.

The banker put the boy in a common chair, opened the child's mouth, inserted the forceps and yanked out a molar to the accompaniment of howls of pain. "There," said the banker, handing back the forceps, "the thing is out all right enough, and just as well as if I'd paid you 50 cents for doing it. Let's go home, kid, and quit your bawling."—Kansas City Journal.

The woman who neglects her husband's shirt front is scarcely the wife of his bosom.

If a hostess did not go to extra trouble mighty few people would stay to dinner.

The Breakfast Shapes the Day

Load the stomach up with a breakfast of rich, greasy food, and you clog both digestion and mind.

For real work—real efficiency—try a breakfast of

Grape-Nuts and Cream

Some fruit, an egg, toast, and a cup of hot Postum.

Then tackle the work ahead with vigor and a keen mind. There's joy in it.

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