

GOOD BARN WITH "SHED OVERHANG"

Structure Popular in East Can Be Used Anywhere.

GOOD FLOORING IMPORTANT

Cork Brick and Treated Wood Block Found to Be Excellent Materials for Use in the Stalls.

Mr. William A. Radford will answer questions and give advice FREE OF CHARGE on all subjects pertaining to the subject of building work on the farm for the readers of this paper.

By WILLIAM A. RADFORD.

"Back East" they still build their barns with a shed overhang, or in other words with the stock shelter under the main roof of the barn and under the projecting second story hay mow.

It's a good style anywhere; and is often used for combined horse and stock barns.

On the larger farms it is very necessary to have room for the horses that are needed in the work during certain seasons of the year such as during seeding time in the spring and also during the fall plowing. Farms



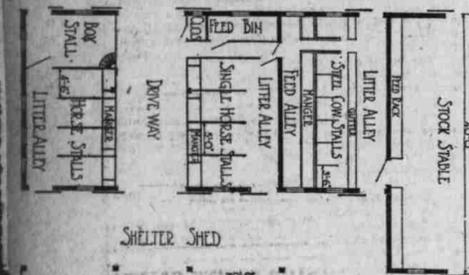
ers that use during these seasons as many as ten horses say that a good barn for them is the kind of economy. It keeps the horses in fine condition and makes it easy to regulate their feed and take care of them so that they can work ten hours a day if necessary.

By building a special barn it is possible to provide the various conveniences such as feeding devices, manure carriers, etc., that help in making the handling and conditioning of the animals very easy work.

The stable should be large enough to hold the horses that are needed during the busy season. Concrete is not a satisfactory material as a general rule for the stalls of horse stables as stall horses are apt to slip and perhaps injure themselves. It is very desirable to provide a material that can be washed down in the same way as concrete and yet provides a surface that is resilient and that will not become slippery.

Two Good Flooring Materials. There are two materials that have been used for this purpose with considerable success. One is the cork brick and the other is the treated wood block.

Cork brick is made of granulated cork which is mixed with refined asphalt and then pressed under heavy pressure into a brick shape. It is very resilient and never becomes slippery.



Ground Floor Plan of Barn Measuring 70 by 40 Feet.

Picture-Transmitting Set. An apparatus for transmitting pictures electrically is among the latest scientific toys. It is described and illustrated in Popular Mechanics Magazine.

Farmers Should Specialize. There is as much money in raising beef cattle as there is in keeping dairy cows. Profits depend upon the man. One farmer knows how to make money by doing a dairy business. Another farmer knows how to breed and feed beef cattle to get big prices.

District Residents Disfranchised. Residents of the district of Columbia never had the right to vote there for national officials, which would include the president. An instance of national concern, after the territory embraced in the district was added to the United States and became the seat of the general government.

Daily Thought. Zeal is blind, or badly regulated, when it encroaches upon the rights of others.—Pangloss Question.

bery and can be washed down with a hose as it is waterproof.

The brick are laid up in a half-inch Portland cement cushion and the joints between the brick are grouted.

In some horse barns a floor of this type is laid over the complete barn but in most cases a concrete floor is placed in the barn outside of the stalls.

The frame of the barn is supported on a good concrete foundation that is carried down to spread footings below the frost line. The walls are also carried 24 inches above grade and the studs are placed on top of this wall.

To protect the ends of the studding and prevent them from rotting the studs are placed in studding sockets made of cast iron. These sockets are imbedded in the concrete and present one of the best ways of constructing frame barn structures. Holes are provided in the sides of the sockets so that they can be nailed to the upright timbers.

Stable Room for Cows. Besides the horses this "Pennsylvania type" barn is arranged to stable seven cows and a quantity of loose stock. It is 70 by 40 feet in size on the ground with a big storage mow overhead the same size as the foundation including the stock shed.

This barn was built for a farmer who raised fine Herefords and also kept a number of unsexed to raise colts. He wanted a barn to store feed and to furnish shelter for his Herefords and stabling for the rough farm bronchos in winter.

He wanted an open shed fronting to the south, where the cattle could enjoy the sunshine on warm days, and he wanted a stock stable with a feed

rack for stormy days, and a few stanchions in a separate stable for the cows and calves, where he could feed them differently. The arrangement as shown fitted into his stock-raising plans so he could keep the breeding stock separate and feed accordingly.

The stable part is built with a solid concrete foundation wall and floor, and both the horse and cow stalls are arranged and built according to the best farm building practice.

It will be noticed that there are a good many windows placed to light the stables from every direction. Light in a modern stable is one of the most noticeable improvements. Old-fashioned dark, dingy stables were dirty and loaded down with foul air. Purebred valuable farm animals have caused the change.

Building barns to stable animals worth from \$100 up is a different proposition from the old buildings that were considered good enough to stable animals worth from \$50 down.

The open opening through the shed is the entrance to the barn. This arrangement gives a convenient thrashing floor for oats when the crops are heavy and overflow the other barns.

They settle considerably in a big mow like this before oats harvest, and the space may be used to advantage in such emergencies.

The Peruvian method of dressing the guinea pig for cooking is the one generally adopted. The animal is killed by dislocating its neck, after which it goes through about the same process as a sucking pig in preparation for cooking. Its throat is cut, it is hung up for a few minutes to bleed and is then scalded in water that is first not too hot. The hair is removed, the skin scraped with a knife, the entrails taken out and the carcass washed in tepid water. It is then ready for the cook.

The Peruvians usually roast the animals, but the number of possible ways of cooking them is unlimited. A traveler in Peru states that they are excellent eating when cooked in any of the ways commonly applied to small game.

Management of Guinea Pigs. Few animals are as easily raised as guinea pigs. They are much less subject to diseases than are rabbits.

For all purposes, except exhibition, the only kinds of guinea pigs that should be grown are the smooth-haired varieties. These are of several colors. If guinea pigs are raised for table use, light-colored kinds are to be preferred. If for scientific purposes, color is of little importance, although distinctive markings are desirable. The chief

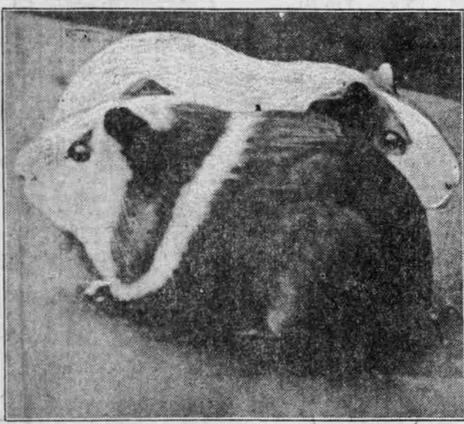
Deep-Laid Plot. "My cook says she's going to leave," said the woman with a firm facial expression. "Can't you persuade her to stay?" "Oh, yes," an instance of cruelty to actors. Invention should come to the rescue and equip every movie studio with an applause machine, consisting of a pair of cast-iron hands and an endless string of percussion zaps.—Film Fun.

Daily Thought. All can be ruled the great that cannot fench the small.—Spencer.

Our Part in Feeding the Nation

(Special Information Service, United States Department of Agriculture.)

GUINEA PIGS HAVE A WARTIME JOB, TOO.



These Are Smooth-Haired Cavies, the Preferred Varieties.

GUINEA PIG NOW DOING HIS "BIT"

Small Animals Used in Testing and Standardizing Serums and Antitoxins.

VALUABLE HELP TO SCIENCE

Immature Animals Weighing About Nine Ounces Are Required for Medical Research Work—Some Hints on Raising Them.

Guinea pigs are fit for any table and are receiving attention now in connection with the utilization of every means of increasing food supplies. There is another war-time use, however, that perhaps appeals more to the imagination. This is in medical research, especially in testing and standardizing antitoxins and serums. Such medical research work has been much enlarged, and has greatly increased in importance since America's entry into the world war.

The guinea pig, in being made to help in the testing of serums and antitoxins, confers a direct benefit upon the American soldier. Therefore, the guinea pig is doing his bit and persons who enter the industry of raising guinea pigs likewise help to meet a war-time need.

In medical research immature animals weighing 250 grains (nearly nine ounces) are required. This weight is attained in about six weeks. In past years the average price of a guinea pig has been about 75 cents, but reports have been received recently of laboratories paying from \$1 to \$1.50 because of the scarcity of suitable stock. Persons favorably situated near cities or institutions requiring large numbers of guinea pigs may establish a profitable business in supplying them. They should remember, however, that animals previously used for serum or antitoxin tests, or the offspring of guinea pigs that have survived such tests, may be unfit for laboratory experiments.

Guinea Pigs as Food. Guinea pigs are seldom eaten in the United States, but their near relationship to rabbits and the fact that they are wholly vegetarian in habits may reassure anyone entertaining doubts as to their fitness for the table. The small size of the domestic species is the chief cause for its neglect as a food animal, yet other highly esteemed game animals furnish less meat than a guinea pig.

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Who Is Jesus Christ?

By REV. W. W. KETCHUM, Director of the Evening Classes, Moody Bible Institute, Chicago.

TEXT—Whom say ye that I am?—Matthew 16:15.

Christ asked this question of his disciples ages ago, and he is still asking the same question today.

Not only is Christ asking this question, but men are asking it of each other. "Who is this Christ?" they ask. "A mere man, one individual of the race like the rest of us, or something more?" It is the old question of the ages, and calls upon us to determine what rank Christ holds in the hierarchy of beings.

There are those who try to make us believe that Christ is a mere man, and nothing more; but we are not persuaded that they have answered the question correctly. We readily admit the humanity of Christ. It is rarely ever challenged today. In fact, the tendency of the age is towards the humanizing of Christ altogether. But after we have admitted that Christ is a man, there is that about him which tells us that we have not fully answered his question.

It was Napoleon Bonaparte who said: "I know men, and I tell you that Jesus Christ is no mere man." That is just it; we, too, know men, and, because we do, we know that Jesus Christ is no mere man. Everyone agrees that Jesus Christ is the one sinless personality of the race. Twenty centuries of hostile criticism have not found a flaw in his character. He is as stainless and spotless as ever.

And his character is no figment of the fancy. It is not the product of the imagination of a few unlearned fishermen. As Theodore Parker says: "Shall we be told such a man never lived? His whole story is a lie? Suppose that Plato and Newton never lived? Suppose that the great men of thought thought their thoughts? It takes a Newton to forge a Newton. What man could have fabricated a Jesus? None but a Jesus."

Before, then, we can answer Christ's question aright, we must consider his stainless, spotless character, unequalled by any man in the past and unattained by any man in the present. Robert Ingersoll, who never admitted that Christ was a god, acknowledged that Christ was "a good and heroic man." That was a great concession for the avowed infidel, and, when weighed carefully, it is seen to be an argument in favor of the unique character of Christ, which lifts him above mere men. For it is obvious to anyone that there can be no discrepancy between a good man and his word. If Christ is all Robert Ingersoll is willing to admit—a good man, then Christ's word must be "a good word." What he says of himself must be true, and at once loses his good character and becomes a charlatan.

So Christ, then, must be heard. It is absolutely unfair to pass judgment upon him without hearing him, and it will help us, in view of all that is admitted concerning him, if we listen to him speak.

First, he bears testimony to his own character by publicly challenging anyone to convict him of sin (John 8:46). No one was ever found who accepted the challenge, and Pilate, who examined him on a serious complaint of the Jews, said: "I find no fault in him." By his own testimony, confirmed by the word of Pilate, he stands before us as the one without spot or blemish.

Again, he claims that the record he bears of himself is true. If it be not true, then we are shut up to one alternative, and that he was not, as Robert Ingersoll has admitted, "a good man;" for a man is not good if he ever has been false.

He plainly states that he knows whence he came, and whither he goes (John 8:14), and who he is. Hear him as he says: "No man hath ascended up into heaven, but he that came down from heaven, even the Son of Man, which is in heaven" (John 3:13). To the woman of Samaria, who says: "I know that Messias cometh which is called Christ," he replies: "I that speak unto thee am he" (John 4:26), and to the man born blind, whose eyes he had opened, he asked: "Dost thou believe on the Son of God?" To which the man blind replied: "Who is he, Lord, that I might believe?" To which Jesus answered: "Thou hast both seen him, and it is he that speaketh unto thee" (John 9:35-37).

Having noted the matchless, sinless life of Christ and heard his wondrous words concerning himself, how dost thou reply to his question?

Count it a blessing when God delays the answer to your prayer in order to enlarge your capacity to receive.

Where one man reads the Bible, a hundred read you and me. That is what Paul meant when he said we were to be living epistles of Christ, known and read of all men. I would not give much for all that can be done by sermons, if we do not preach Christ by our lives. If we do not commend the gospel to people by our holy walk and conversation we shall not win them to Christ.—Moody.

God will always have to work in secret with the soul which he intends to use in public.

Railway for Gunpowder Only. One of the wondrous things there is a little railway, the one purpose of which is to transport gunpowder from the magazines to the packing house. The two little cars, drawn by a real curiosity of an engine, are scarcely larger than delivery wagons.

Why Keep Sunday. One reason for keeping Sunday is that it has a polishing and civilizing effect. We polish our shoes, clothes, body, mind and soul. Sunday wasn't meant for lying and lazing around.

WRIGLEY'S



We will win this war— Nothing else really matters until we do!



The Flavor Lasts

Not a Customer. He was visiting in the city and went with an older relative to the city library. The relative, who wished to consult some books in the reference room, decided to leave him to be entertained in the children's room meanwhile. When she returned she asked the attendant in charge how he had got along and was told, "He's all right now, but at first I couldn't get him to look at a thing." Rather surprised, because he is generally fond of books, she turned to the youngster. "Why, James, didn't you want to look at the pretty books?"

Wouldn't Be Left Behind. A certain lively stable keeper never left a horse out without requesting the driver not to drive fast. The other day a young man called to get a turnout to attend a funeral. "Certainly," said the stableman. "But," he added, forgetting the solemn purpose for which the young man had requested the horse, "don't drive fast." "Why, just look here, old fellow," said the somewhat excited young man. "I want you to understand that I shall keep up with the procession if it kills the horse."

Catarhal Deafness Cannot Be Cured by local applications as they cannot reach the diseased portion of the ear. There is only one way to cure Catarrhal Deafness, and that is by a constitutional remedy. HALL'S CATARRH MEDICINE acts through the Blood on the Mucous Surfaces of the System. Catarrhal Deafness is caused by an inflamed condition of the mucous lining of the Eustachian Tube. When this tube is inflamed, it has a rumbling sound or imperfect hearing, and when it is fully closed, deafness is the result. Unless the inflammation can be removed, this tube restored to its normal condition, hearing may be destroyed forever. Many cases of Deafness are caused by Catarrh, which is an inflamed condition of the Mucous Surfaces of the System. HALL'S CATARRH MEDICINE for any case of Catarrhal Deafness that cannot be cured by other means. All Druggists. Circulars free. F. J. Cheney & Co., Toledo, Ohio.

Dr. Perry's "Dead Shot" is not a "poison" or "strychnine," but a real old-fashioned dose of medicine which cures Worms or Tapeworm with a single dose. Adv.

Be very careful how you let remarks fall—they may hurt a friend.

WHAT CONSTIPATION MEANS

It means a miserable condition of ill health that leads to all sorts of special ailments such as headache, backache, dyspepsia, dizziness, indigestion, pains of various kinds, piles and numerous other disorders.—CONSTIPATION is a crime against nature. Take DR. TUTT'S LIVER PILLS and bowels resume their health-giving natural functions. At all druggists.

Dr. Tutt's Liver Pills

Attention! Sick Women. To do your duty during these trying times your health should be your first consideration. These two women tell how they found health.

Hellam, Pa.—"I took Lydia E. Pinkham's Vegetable Compound for female troubles and a displacement. I felt all run down and was very weak. I had been treated by a physician without results, so decided to give Lydia E. Pinkham's Vegetable Compound a trial, and felt better right away. I am keeping house since last April and doing all my housework, where before I was unable to do any work. Lydia E. Pinkham's Vegetable Compound is certainly the best medicine a woman can take when in this condition. I give you permission to publish this letter."—Mrs. E. R. CHURLING, R. No. 1, Hellam, Pa.

Why Not Try LYDIA E. PINKHAM'S VEGETABLE COMPOUND. LYDIA E. PINKHAM MEDICINE CO. LYNN, MASS.



Headache, tired or dizzy? It's your kidneys. Ask druggist for box shown here—Dodd's—specieally relief or money back.

SAW SMALL CHANCE TO SAVE

Enlisted Man Evidently Had the Spending Instinct Developed to a Remarkable Degree.

Difficulties of soldiers who formerly were successful business men, in paying last year's income tax on this year's pay are illustrated by a story brought to Washington by an officer serving at one of the Southern cantonments.

Last February, the officer said, he explained to the men of his command that all married men would have to pay a tax on all their last year's earnings over \$2,000, while unmarried men would have to pay on all incomes over \$1,000.

Coming to him later one of the men, a private, said: "I guess I won't be able to pay that income tax. I haven't any money." "Oh, that's all right," replied the officer, "you'll have until June to pay it and you can save it out of your pay by that time."

"I am afraid I couldn't," responded the private, "I made \$55,000 last year and I blew it all when I was called in to the army."

HIS MEMORY SOMEWHAT HAZY

Seattle Man Not Quite Certain Whether He Had Enlisted, but He Was No Quitter.

Last summer, when every young man's thoughts were on the war, a wealthy lumberman from Seattle arrived in New York on a business trip. His business having been attended to he was a guest at a dinner given one evening by an officer in the United States marine corps. As the hours and the flowing bowl passed, speeches became more and more frequent, everybody was wrought up, and there was no man so base as to say that he would not go to the front for his country.

Early the next morning the Seattle man started back home. A few days later the officer of marines received this telegram from him: "Did I enlist that night? If so, instruct me when and where to report."—Popular Magazine.

Lives 200 Years!

For more than 200 years, Haazen Oil, the famous national remedy of Holland, has been recognized as an infallible relief from all forms of kidney and bladder disorders. Its very age is proof that it must have unusual merit.

If you are troubled with pains or aches in the back, feet tired in the morning, headaches, indigestion, insomnia, painful urination, the symptoms of stones in the bladder, you may find relief in GOLD MEDAL Haazen Oil Capsules. This is the good old remedy that has stood the test for hundreds of years, prepared in the proper quantity and convenient form to take. It is imported direct from Holland laboratories, and you can get it at any drug store. It is a standard, old-time home remedy and needs no introduction. Each capsule contains one dose of five drops and is pleasant and easy to take. They will quickly relieve those stiffened joints, that backache, rheumatism, lumbago, sciatica, gall stones, gravel, "brick dust," etc. Your money promptly refunded if they do not relieve you. But be sure to get the genuine GOLD MEDAL brand in boxes, three sizes.—Adv.

A New Sentry.

A lieutenant at Camp Grant was riding past a guard the other night, and at the usual command to halt he stopped his horse and stood there. However, the guard didn't say another word, and after a short time the lieutenant burst out with: "Well, what are you making me stand here for? Expect me to stay here all night?" The guard answered: "Well, I didn't know what to say next. I've only been here for a week."

Pimpily Rashly Skins.

Quickly soothed and healed by Cuticura often when all else fails. The Soap to cleanse and purify, the Ointment to soothe and heal. For free samples address, "Cuticura, Dept. X, Boston." At druggists and by mail, Soap 25, Ointment 25 and 50.—Adv.

Her Status.

"Is she a member of the divorce club?" "Yes; undergraduate."

A horse isn't any heavier when he is led.

Delusions.

"What curious mistakes men make sometimes!" I've just been reading, for instance, that Columbus imagined that he had discovered the Indies. "That's nothing to one I made. When I married my wife I thought I'd discovered Paradise."—Boston Transcript.

Your Eyes

A Wholesome, Cleansing, Refreshing and Healing Lotion—Murtze for Redness, Swelling, Granulation, Itching and Burning of the Eyes or Eyelids. "My Drops" After the Movies. Murtze Eye Remedy Co., Chicago.

A Very Woman.

He (capturously)—"You accept me? Then it's a bargain?" She (calmly)—"Certainly! I shouldn't consider it if I wasn't."