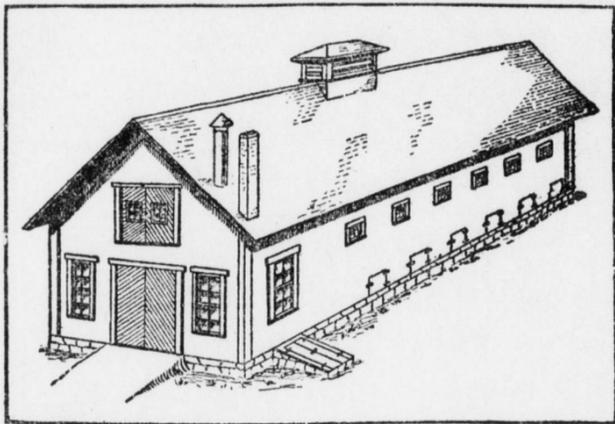


HOG HOUSE ADAPTED TO ALMOST EVERY CLIMATE

As Animals Are Quite Notably Affected by Extremes of Cold and Heat, Character of Their Shelter Is Essential.



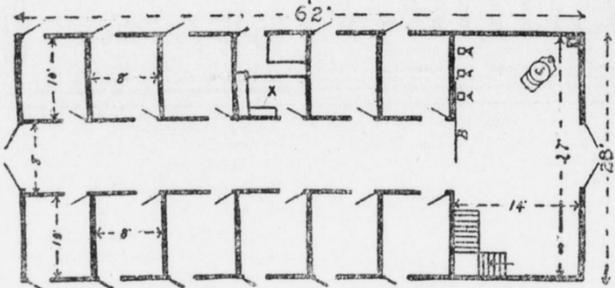
Elevation of Hog House.

As hogs are quite notably affected by extremes of cold and heat, the character of their shelter will have much to do with their successful rearing. The above being true, we will naturally do best with hogs when we have arranged their home and feeding grounds, to a certain extent, at least, such as he would choose for himself in his wild state, writes J. E. Bridgman in American Agriculturist. Proper shelter is no doubt the first and most serious question, and while the perfect hog house has not up to date been invented, great improvements have been made during the past few years.

The accompanying illustrations show a hog house that is well adapted to almost every climate, except the extreme south. As shown by the floor plan, the house is 28x62 feet square, and 10 feet to the eaves. The lower story is 7 feet, leaving ample room above for bedding and feed. The chop feed is stored in bins above and drawn through the spouts A A. Mixing barrels or boxes are placed close to the cooker, shown at C, and the cooked or steamed feed carried to the pens in a wheeled feeder. A root

stock boards. The entire floor consists of 8 inches of cement. The feed room is also used as a slaughter-house. A galvanized iron vent stack is placed over the cooker to carry away the steam, and a good brick flue is built in the corner, as shown. The house is sided with drop siding, and lined on the inside with 6-inch flooring. Each pen has a small window and one leading to the driveway, also one leading to the yards. A sliding door, shown at B, closes the driveway from the feed room. A good tight floor is laid in the loft, and a 5x8 open door left for passing down bedding and for a ventilator.

All hog men have their own ideas of arranging the feed and water troughs. However, a good plan is shown in the pen marked X. A nest is built in the rear corner, a water trough placed in front, a feed trough along the side, and a 2x4 timber is then placed across the pen from the rear end of feed trough. This makes a feeding floor for ear corn, and the hogs will seldom foul this part of the floor. The house should set on a good foundation, and have a good tight roof, and the exterior-exposed woodwork should receive at least two

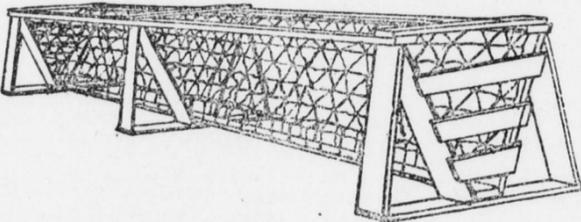


Floor Plan of Hog House.

cellar is located under the feeding room for storing roots; the stairway is located under the main stair above. The floor of the feeding room is dropped 8 inches and covered with

coats of paint. A feed and litter carrier may be installed if the house has over eight pens, and will save some labor. The cellar has an outside entrance.

FEEDING RACK FOR ALFALFA



A large number of successful farmers feed alfalfa hay on the ground, claiming that hogs are almost certain to pull the hay out of racks and eat it from the ground more or less anyway. In cold weather when the ground is frozen or when the yard is dry, there would seem to be no serious objection to feeding alfalfa in this manner. Hogs are less delicate in their choice of food than other farm animals and are inclined to eat the hay though it has been somewhat soiled. If, however, the ground is soft there is certain to be a considerable waste, due to the fact that some of it is trampled into the mud.

At the Nebraska experiment farm alfalfa hay is fed to hogs from an ordinary sheep rack, having vertical slats about three inches apart, just wide enough to permit the hogs to reach the hay. These racks stand about four feet high and are approximately three feet wide at the top and eighteen inches at the bottom. The accompanying drawing shows a very satisfactory rack made from wire fencing. This design was furnished by Prof. Chase of the department of farm mechanics of the University of Nebraska. The rack has been used by several well known farmers in the state and all who have tried it seem well pleased, owing to the simplicity of its construction and the fact that there is little waste of hay. It is made by using 20-inch wire fence inverted so that the larger openings will be at the bottom. It is desirable to use fencing made of heavy wire and a

rectangular mesh is preferred to the diamond shaped mesh. These racks are usually made about three feet wide at the top and about 12 inches wide at the bottom. They can be made of any desired length up to 16 feet, depending upon the number of hogs in the pen. They are also light in weight and can be moved from one part of the yard to another without difficulty.

Parasite of Poultry.

The worst external parasite of poultry against which the poultryman and farmers have to contend is the "common chicken mite" or "red chicken mite" (*Dermanyssus gallinae*, Redi.) There are other species of mites which attack poultry, but they do much less damage. This bloodthirsty pest causes great loss to the poultry industry of the country by killing adult fowls and chicks and cutting down egg production. It not only attacks poultry but horses and even man as well.

Fertile Eggs.

Copulation does not fertilize the egg laid the same day. A study of the ovaries teaches that the egg that is laid to-day was already coated with shell at least 12 hours before being laid. That meeting, however, should fertilize a series of eggs laid afterward by the hen, although it might be several days before fertility in eggs would be found. Some authorities claim that a male actually fertilizes ten eggs at the same time

BACKACHE—A SIGNAL OF DISTRESS

A WARNING THAT MUST NOT BE IGNORED

Pain in the back is the kidneys' signal of distress. If this timely warning is ignored, kidney disease silently fastens its deadly grip—for kidney sickness first shows itself in pains and disorders in other parts, and the real cause is too often hidden until fatal Bright's disease or diabetes has set in. Suspect the kidneys if you are rheumatic and nervous or have lame back, painful, too frequent or scanty urination, weak heart, dizzy spells, headaches, bloating or neuralgia. What you want is a special kidney medicine—not an experiment, but one that has stood the test for years. **Doan's Kidney Pills** relieve weak, congested kidneys—cure backache—regulate the urine.



A KIDNEY REMEDY OF 75 YEARS' EXPERIENCE

DOAN'S KIDNEY PILLS began curing lame backs and sick kidneys 75 years ago. The demand lead a nearby druggist, James Doan, to prepare it for sale. From him the magic formula passed to the present proprietors. Now, as in those early days, **Doan's Kidney Pills** are made from only the purest drugs and are absolutely non-poisonous. They are used and praised all over the civilized world.



DOAN'S KIDNEY PILLS MAKE LASTING CURES

J. R. Black, 1005 E. Sixth street, Topeka, Kansas, says: "In the spring of 1899 Doan's Kidney Pills brought me such great relief that I did not hesitate to make the fact known and give this remedy my most earnest endorsement. In my statement I said that for three years I had suffered from kidney complaint. I had a dull grumbling ache across the small of my back that greatly inconvenienced me when reaching and straining in doing my work. An annoying kidney weakness was also in evidence and it was out of the question for me to sleep well. In the morning I was all tired out and it can be seen that I was in bad shape. The use of Doan's Kidney Pills quickly and surely drove away these symptoms of kidney complaint and I have since been in good health.

The foregoing statement was given in March 1905, and when Mr. Black was interviewed on Nov. 12, 1908, he said: "I have never had a return attack of kidney complaint and I know that my cure is a permanent one. My faith in Doan's Kidney Pills is stronger than ever."

Mrs. James Crooks, First St., N. W., American Fork, Utah, says, "I had kidney complaint for ten years or more. Sometimes a twinge darted through the small of my back and I often became so helpless that I was compelled to go to bed with my clothes on. The attacks often lasted for days at a time and I could not even stoop to put on my shoes. My condition was certainly alarming. The secretions from my kidneys were irregular in passage and contained a heavy sediment after standing. I well know what the misery kidney complaint causes and I can therefore appreciate the merits of a remedy that cures this disease. Doan's Kidney Pills lived up to the claims made for them in my case and effected a cure. My kidneys were restored to a normal condition and my health greatly improved." (Statement given Aug. 22, 1907.)

On Aug. 24, 1909, Mrs. Crooks was interviewed by one of our representatives and she said: "It gives me pleasure to reendorse Doan's Kidney Pills. They cured my backache and my health is now good. Other members of my family have taken this remedy with decided benefit."

A TRIAL FREE Test Doan's Kidney Pills Yourself

Cut out this coupon, mail it to Foster-Milburn Co., Buffalo, N. Y. A free trial package of Doan's Kidney Pills will be mailed you promptly. W. N. U.

DOAN'S KIDNEY PILLS

Sold by all dealers. Price 50 cents. FOSTER-MILBURN Co., Buffalo, N. Y. Proprietors.

Lightning Change.
"Maria, who is the spider-legged gawk that comes to see Bessie two or three times a week?"
"Why, don't you know, John? That's young Mr. Welloph, the junior partner in the firm of Spetch & Co."
"Well, confound her, why doesn't she give him a little more encouragement?"

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 J. C. Hathorn**. In Use For Over 30 Years. The Kind You Have Always Bought.

A Question to Be Considered.
"Do you consider plagiarism permissible under any circumstances?"
"Well," answered Senator Sorghum, "it's pretty hard when you find yourself compelled to make a choice between being interesting or original."

Rheumatism Cured in a Day.
Dr. DeChon's Relief for Rheumatism radically cures in 1 to 3 days. Its action is remarkable. It removes the cause and the disease quickly disappears. First dose greatly benefits. 75c Druggists.

Calumny is not only the greatest benefit a rogue can confer on us, but the only service he will perform for nothing.—Lavater.

Tightness across the chest means a cold on the lungs. It means misery and discomfort every minute, if nothing worse. What's the answer? Rub the chest with **Hamlins Wizard Oil** quick.

It is harder for a woman to pray her husband into heaven than it is to nag him into the other place.

PERRY DAVIS' PAINKILLER when thoroughly rubbed in relieves strains and sprains in joints or muscles from any cause. All druggists, 25, 50, 100 size. Large bottles the cheapest.

Absence of occupation is not rest; a mind quite vacant is a mind distressed.

TO CURE A COLD IN ONE DAY Take **LAXATIVE BROMO Quinine Tablets**. Druggists refund money if it fails to cure. E. W. GROVE'S signature is on each box. 25c.

Sometimes a man's wisdom is due to the possession of a clever wife.

WESTERN CANADA

What Governor Deneen, of Illinois, Says About It:

Governor Deneen, of Illinois, owns a section of land in Saskatchewan, Canada. He has said in an interview:
"As an American I am delighted to see the remarkable progress of Western Canada. Our people are flocking across the boundary in thousands, and I have not yet seen a reasonable price. Many farmers here had made a mistake. They are all doing well. There is scarcely a community in the Middle or West that has not a representative in Manitoba, Saskatchewan or Alberta."

125 Million Bushels of Wheat in 1909

Western Canada field crops for 1909 will easily yield to the farmer \$170,000,000.00 in cash. Free Homesteads of 160 acres and pre-emption of 160 acres at \$3.00 an acre. Railway and Land Companies have land for sale at reasonable prices. Many farmers here have paid for their land out of the proceeds of one crop. Splendid climate, schools, excellent railway facilities, low freight rates, water and lumber easily obtained. For pamphlet "Last Best West," particulars as to suitable location and low settlers' rates, apply to **Dept. of Immigration, Ottawa, Can.,** or to **Canadian Gov't Agent, H. M. WILLIAMS, Law Building, Toledo, Ohio** (Give address nearest you.) (1)

Don't Persecute your Bowels

Cut out cathartics and purgatives. They are brutal—harsh—unnecessary. Try **CARTER'S LITTLE LIVER PILLS**. Purely vegetable. Act gently on the liver, eliminate bile, and soothe the delicate membrane of the bowels. Cure Constipation, Bloating, Sick Headache and indigestion, as millions know. Small Pill. Small Dose. Small Price. GENUINE must bear signature.

Patents Watson E. Coleman, Washington, D.C. Books free. Best references. **Patent** Book and Advice FREE. Messrs. Foster & Lawrence, Washington, D.C. Est. 43 yrs. Best references.

\$125,000 net from 1200 acres grapes. \$15,000 from 22 acres peaches. \$3,200 from 20 acres raisins, in the San Joaquin Valley, California

A cow and an acre of alfalfa will earn \$120 a year in the San Joaquin Valley. Grapes will yield from \$100 to \$300 per acre; peaches and apricots, \$150 to \$500; while oranges will produce from \$250 to \$500, and in many instances more than \$1000 an acre. There are ten million arable and irrigable acres here. You still may buy unimproved land for \$50 an acre.

Ten acres are enough to comfortably support a small family. Twenty acres afford a fine living, with money in the bank. Forty acres should make you rich.

You pay from one-fourth to one-third down, balance easily can be paid for out of the crops.

Almost anything can be raised in the San Joaquin country—grapes and wheat, figs and apples, delicate grapes and hardy potatoes. Products of the temperate and semi-tropic zones flourish side by side.

Plenty of water for irrigation drawn from the near-by Sierra snows. It is easy for one to make a start. Land between the rows can be used, while orchard is young, for many profitable crops. The point is to make every square foot bear something.

What some farmers have done: Frank Thomas, of Fresno, Cal., bought twenty acres of land five years ago. He had but \$300 to start on. Today his place is paid for and he has an income of over \$2,000 a year.

William Shryver, R. F. D. 7, Fresno, Cal., bought his first ten acres six years ago. Now owns sixty acres all paid for, and refuses \$12,000 for his place.

M. F. Tarpey, of Fresno, owns vineyard of 1,200 acres, from which he takes an annual profit of \$125,000. On the Harold estate, twenty-two acres of peaches yielded a \$15,000 crop.

KNOW SINCE 1836 AS RELIABLE PLANTEN'S (TRADE MARK) C & C OR BLACK CAPSULES SUPERIOR REMEDY FOR URINARY DISCHARGES DRUGGISTS OR BY MAIL ON RECEIPT FOR 50c H. PLANTEN & SON, 93 HENRY ST. BROOKLYN, N.Y.

DR. J. D. KELLOGG'S ASTHMA Remedy for the prompt relief of Asthma and Hay Fever. Ask your druggist for it. Write for FREE SAMPLE. NORTHROP & LYMAN CO. LTD., BUFFALO, N. Y.

W. N. U., CLEVELAND, NO. 3-1910.

CHEW AND SMOKE MAIL POUCH TOBACCO

"TREAT YOURSELF TO THE BEST"

COUPON IN EACH PACKAGE **CATALOGUE** OF VALUABLE ARTICLES SENT FREE ADDRESS **MAIL POUCH TOBACCO CO.** DEPARTMENT A. WHEELING, W. VA. **SAVE THE COUPONS**