

# AGRICULTURAL



**Cheap Crib and Shed.**  
The Ohio Farmer tells how a cheap corn crib and shed can be built on one end of barn as shown in cut. Corn crib 6x28 feet, leaving shed room 16x24 feet, and should be built in the following manner: First set up eight-inch sewer pipe on end by digging down one foot and filling in with cement. Set pipe, rim end down, into the cement, so that rim end will be covered. Sills to be made of 2x6 joist doubled and spiked together. Cut cross-pieces out



CORN CRIB AND SHED.

of 2x4 stuff; run over on shed so as to form shelf (see cut). This will be very handy in getting corn out of crib. Next cut studding to length, using 2x6 stuff, cut so as to flare out one foot six inches at top end from plumb line. Then frame rafters, using 14 feet 2x4 stuff placed two feet on centers. Put on roofing strips, 1x6 stuff; place two feet on center. Then you are ready for sheet steel roofing, which will be found cheaper for this kind of building. Any farmer can build it with the following materials:

Ten pieces eight-inch sewer pipe; one barrel cement; one load sand; eight pieces 2x6-14 feet; four pieces 2x6-16 feet; 14 pieces 2x10-12 feet; 27 pieces 2x4-14 feet; 30 pieces 1x4-14 feet, S 1 S; 80 feet flooring, matched; 16 pieces 1x12-14 feet; 50 pounds ten-penny wire nails; 20 pounds 20-penny wire nails; two eight-inch T hinges; one hasp and staples for door; seven square steel sheet roofing.

**The Old Horse.**  
Ay, sell the old horse, if you will; For he is broken down And weak with years—why care for that? There's plenty in the town To take his place, to do his work, To go the pace he went By day or night, or rain or shine, Until his strength was spent.

He never stopped to reason why, To ask that this be done, Or that; he knew his duty. He did it on the run. He served his master as he best Knew how to serve—and now Go sell him; he is loyal and Will not ask why, or how.

A horse is not a sentiment; He cannot think or speak Or vote; then why protect him when He's worthless, old and weak? For him no starchy banner floats On every breeze that blows; For him no pension comforts come When years his labors close.

Ay, sell the old horse, if you will; He will not ask you why, Nor make complaint when he is turned Adrift to starve and die; But faithful in his labors still, As when they were begun, He will not care; he is content, With duty bravely done. —Kansas Farmer.

**Nesting Arrangement.**  
To make dark nests inside a hen-house is a matter involving not a little work, says the Orange Judd Farmer. And even then the nests often prove a nuisance, since the fowls roost on them and soil them constantly. A handy contrivance for securing dark nests is shown in the cut. Where the fowl house is inside another building, or has a hallway, this plan can be easily and conveniently used. Long boxes are



A DARK NEST.

used for the nests, each having a partition across the middle with a round opening through it large enough for a hen to pass through. Two other round openings for each nest are made. One in the outside of the box, as shown, another in the partition of the hen pen. Place the box against the outside of the partition so that the two openings will come together, when the hen can enter and pass around into the dark nest. A hinged cover gives access to the eggs.

**Bordeaux Mixture.**  
Dissolve in sixteen gallons of water six pounds of sulphate of copper (blue-stone). In another vessel slack four pounds of stone lime in six gallons of water. When the lime water is cool pour it slowly into the vessel having the copper solution, stirring briskly while doing so. Let it be prepared sev-

eral days before use. The mixture should be applied with a sprayer which throws a fine, misty spray, and every portion of the tree or vine should be treated. It is used mostly for fungus diseases.

**Renting Land on Shares.**  
An agreement for the cultivation of land, by the terms of which the occupier is to perform all the labor connected with the raising and care of the crops, in consideration of which, on reasonable demand, the owner of the land is to deliver to him a share of the crops raised, which gives the owner the right to take and hold possession of the share of the occupier to secure the performance of the contract, and the repayment of any advances or indebtedness, and which further provides that until division of the crops the title and possession shall be and remain in the owner of the land, and creates a tendency in common in the crops until division, with the right of the owner to hold the share of the occupier as security; but so long as the occupier performs all the terms of the contract he is entitled to possession for the purpose of performing thereon the work required by the contract.—Denver Field and Farm.

**Set Your Own Tires.**  
Scrape old paint off wheel rim. Set wheel in kettle of boiling water and boil it and keep it turning for an hour, then set it in a kettle or pan of boiling oil and keep turning and boiling till it won't drink any more oil (oil won't dry in on the wood). The secret of boiling in water consists in expanding the air in the cells of the wood, driving all moisture out, and the wood is expanded as well as the tire. Now, the cells being open, will fill up with oil and prevent the wood from shrinking, and the tire cools and shrinks to the wood. The oil hardens in the wood and will remain there for years. If kept painted will never need any resetting. I know one heavy wagon wheel that required a dozen wedges to keep it on, that imbibed half a gallon of oil, and the tire is tight as when new. Only a few people know that they ought to be boiled in water first. They don't understand the process.—A. F. Webb, in Orange Judd Farmer.

**Prevents "hogging" of Food.**  
D. H. West, in Farm and Home, shows a hog trough that is successful in preventing the "hogging" of food. It is protected across the top by a strong wire fastened on the alternate sides, as shown. The wire is not in the way of throwing in the feed, as is the case where strips are nailed across the trough. The wire prevents the hogs



WIRED HOG TROUGH.

from getting in the trough and keeps the trough from spreading. Use one piece 2x6 and one 2x8 inches, nailed together, with ends nailed on in the usual way. Take No. 9 or 12 wire and begin four inches from the end, one side, and staple securely, then draw the wire across angling to eight inches from the head of the trough on the other side, and so on. This gives each hog a space of eight inches.

**Breeding Sheep.**  
A writer on sheep says that it is asking too much for an ewe to make her growth and shear the heaviest or next heaviest fleece of her life, and raise a lamb, in one year. It cannot be done without checking the growth of the sheep, and producing a lamb lacking in constitution. Continuing in that line for several years, the flockmaster will have a very uneven flock, and constitution will be bred out of them.

**Farm Drainage.**  
Wherever water stands on any portion of the farm at this season of the year it indicates that draining is necessary and that much of the land contiguous to that which is wet is cold. When a drain is used the area drained is much larger than is apparent, and no soil will become warm until the surplus water is removed.

**A Point in Butter-Making.**  
Danish butter is firmer and not so easily melted as that from Holland and contiguous countries, and that makes it a greater favorite in the English market. The Danes feed largely upon oil meal.

**Gleanings.**  
When making a garden have a place for herbs, such as sage, thyme, balm, dill, sweet marjoram, etc. They will always be found useful and may be grown from seed.

The Michigan Experiment Station found after repeated tests that about four times as much food can be obtained from a meadow by allowing it to mature hay than by pasturing it.

The products of agriculture form a very large proportion of our exports. In 1896 they formed 65 per cent of the total exports of the country, and they constituted fully that percentage of the exports of 1897.

## LIKE THE SHERMANS.

**An Incident Showing the Blunt Frankness of Gen. Tecumseh.**  
If old age has deprived John Sherman of prudence in speech, then it has but returned to him the frankness which is characteristic of the family, and that made the General, his brother, the delight of everybody who is refreshed by candor in this cautious and circumspect world.

I saw the blunt warrior do a thing once in a way of plain speaking that would have brought howls and a shower of quartz to anybody else. It was in 1880, when Hancock and Garfield were running for the Presidency. Rutherford B. Hayes, to help his health and the Republican cause, made a tour of the West.

Gen. Sherman was one of the party. In Virginia City, Nev., the miners gathered before the International Hotel and had the celebrities out on the balconies to address them. Brother Hayes favored the audience with one of his best little addresses, and then the crowd roared for Sherman.

The General stepped to the rail, and casting his eye over the two or three thousand stalwart Nevadans asked, in his abrupt conversational way: "Well, what do you want me to talk about?"

"The Chinese! The Chinese!" shouted the miners. The coolies were the great issue on the coast in that Morey letter campaign.

Sherman, bareheaded, gray, close cropped and spare, gazed down for a silent half minute on the crowd. Then he broke out, much in the style of scolding a hostler:

"The Chinese! Oh, confound the Chinese! Every time I come anywhere near California I begin to hear of the Chinese, and I'm tired of it. You menought to be ashamed of yourselves. What are you afraid of? Are you scared of a Chinaman? You've got a hundred thousand or so of them in this part of the country, I believe, and you raise a row fit to wake the dead. Half a million of them wouldn't hurt you. Don't be fools."

Then he turned his back in scorn and walked into the hotel.

There was an appalled pause. It was as if somebody had risen in church and scoffed at the faith. The politicians on the balcony were white with consternation. They feared a riot.

A miner laughed. It was as a spark to the powder. In an instant a great burst of mirth came up from the packed street. Then a man in his shirt sleeves sang out:

"Three cheers for Old Tecumseh!" They were rousers, and after another storm of laughter there were cheers again.

But that Sherman speech cost the Republican party a lot of votes on the Pacific coast in 1880.

**Natural History.**  
A breeder of Charlestown, Md., has a pair of golden fawn rabbits with ears that measure twenty-one inches from tip to tip and drag on the ground.

It is said that rabbits are increasing so rapidly in some parts of Connecticut that they are a nuisance because of their depredations. They are especially injurious to orchards.

A strange story comes from Curtin township on top of the Alleghany mountains, of a bear taking a child of a certain Mr. Watkins into the woods and covering it up with leaves, without harming it.

The caribou or reindeer of Newfoundland roam over an area of some 25,000 miles of unbroken wilderness. They are magnificent creatures, some of the larger stags which have been shot having weighed from 500 to 600 pounds.

A real old-fashioned dragon was seen not long ago, day by day, by terrified peasants in the River Vistula, near Craeow. It was finally captured in a net and killed, when it proved to be an alligator which had escaped from a menagerie.

Western Kansas is overrun with coyotes. It was thought that they had been almost exterminated by the warfare made by the settlers of the new country; but reports from that section indicate that they are multiplying instead of diminishing. They have killed thousands of sheep, and even go into the farmers' hen houses and kill their chickens. Dogs are no protection against their invasions, for one coyote, if cornered, will whip three ordinary dogs.

**Father and Son.**  
The famous Quineys, father and son, of Massachusetts, were so much alike at one time, in spite of their difference in years, that it was hard to tell them apart. Once at a public dinner, where both father and son were present, a toast was given to the father. Instantly the younger Quincy rose to his feet, and, pointing to his venerable father, said, "My son will respond." This is thought to be the only instance in which a son has ever claimed to be his father's father.

**Pension of British Soldiers.**  
In Great Britain the position of the private soldier has one advantage over all other trades. At the age of 39 he can retire on a pension of from 50 cents to \$1.12 a day. There is no business that secures such a provision for a workingman.

If you can avoid being silly, you'd better do it: sharp critics are listening and watching.

## ALASKA BREAD.

**How to Prepare the "Staff of Life," by a Practical Miner.**  
Bread in Alaska means always baking power bread or biscuit, for no other kind is possible. There is no yeast or any other means of raising dough. An experienced miner, one who has been in Alaska five years, and who has given us two of his most useful receipts.

Those who think of going to the Klondike should keep them, and those who stay at home will be interested in knowing how a practical miner prepares his "staff of life."

Bread: quart of flour, two tablespoonfuls of Cleveland's baking powder, half a teaspoonful of salt; mix up with cold water or milk until stiff. Grease the pan, bake until cooked (about half an hour).

Biscuit: quart of flour, two teaspoonfuls Cleveland's baking powder, and half a teaspoonful of salt. Mix thoroughly while dry with lard or bacon fat. Then mix with water or milk until stiff enough to roll out. Cut into circles with top of baking powder can or cup; bake about fifteen minutes.

Several other Alaska receipts together with lists of groceries, clothing and supplies to take with one are published in a Klondike circular. This circular, together with a cook book of four hundred receipts, will be mailed you free if you send stamp and address to Cleveland Baking Powder Co., 81 Fulton St., New York.

Be sure to mention the Klondike circular if you want it; otherwise the cook book only will be sent.

**Knob on the Pocket.**  
Pockets of garments may be safely closed by a new invention, consisting of a wire frame similar to pocketbook frames to be sewed into the ordinary knob catch.

Wales is the richest part of Great Britain in mineral wealth. England produces annually about \$10 to each acre, Scotland a little less than \$10. The product of Wales amounts to over \$20 per acre.

**A WEAK SPOT.**  
A weak spot in a piece of timber may endanger a whole building, and certain it is that the man who suffers with lumbago lets down the whole framework of his anatomy. In case of the building, it is shored up and made strong, and just so St. Jacobs Oil shores up the muscles of the back, strengthens the muscular frame and in a very short time the sufferer is restored to his native strength. Why then will a man go about on crutches for months and years, when the stimulation of a good liniment like St. Jacobs Oil will in so short a time send him back to business and to the bosom of his family a strong and healthy man.

Iceland's geysers never shoot their water higher than 100 feet, while some of our Yellowstone geysers go more than three times as high.

**NEWS FOR THE WHEELMEN.**  
The League of American Wheelmen numbers nearly 2,000 below the 100,000 mark within the last few weeks. In spite of this startling diminution, the maximum of health may be attained by those who use the comforting and thorough tonic, Hostetter's Stomach Bitters, which promotes digestion, a healthy flow of kidney trouble, and, moreover, a remedy for and preventive of malaria and rheumatism.

The coinage of a sovereign (about \$5) costs the English mint 3/4d (about 1 1/2 cents).

**SHAKE INTO YOUR SHOES.**  
Allen's Foot-Ease, a powder for the feet. It cures painful, swollen smarting feet and instantly takes the sting out of corns and bunions. It's the greatest comfort discoverer of the age. Allen's Foot-Ease makes tight-fitting or new shoes feel easy. It is a certain cure for chilblains, sweating, damp, callous and hot, tired aching feet. We have over 10,000 testimonials of cures. Try it today. Sold by all druggists and shoe stores. By mail for 25c. in stamps. Trial package FREE. Address Allen S. Oimsted, Le Roy, N. Y.

There are parts of the Ganges valley in India where the population averages 1,200 to the square mile.

**HOME PRODUCTS AND PURE FOOD.**  
All Eastern Syrup, so-called, usually very light colored and of heavy body, is made from glucose. "Zee Garden Syrup" is made from Sugar Cane and is strictly pure. It is for sale by first-class grocers, in cans only. Manufactured by the FERRIS CO. SYRUP. All genuine "Zee Garden Syrup" have the manufacturer's name lithographed on every can.

The fastest flowing river in the world is the Sutlej, in British India, with a descent of 12,000 feet in 18 miles.

**CATARH CANNOT BE CURED.**  
With local applications, as they cannot reach the seat of the disease. Catarh is a blood or constitutional disease, and in order to cure it you must take internal remedies. Hall's Catarrh Cure is taken internally, and acts directly on the blood and mucous surfaces. Hall's Catarrh Cure is not a quick medicine. It was prescribed by one of the best physicians in this country for years, and is a regular prescription. It is composed of the best tonics known, combined with the best blood purifiers, acting directly on the mucous surfaces. The perfect combination of the two ingredients is what produces such wonderful results in curing catarrh. See testimonials, free.

F. J. CHENEY & CO., Props., Toledo, O. Sold by druggists, price 75c. Hall's Family Pills are the best.

## The Czar's New Cruiser.

The official trials of the cruiser Svetlana, built at Havre, France, for the Russian government, have just taken place. The contract speed of 20 knots was exceeded by 21-100ths in trials which lasted six consecutive hours. Work on the Svetlana was begun on December 7, 1895. She is an armor-decked cruiser, armed with guns and torpedo tubes, and at the same time is a yacht. She is officially intended for the use of the Grand Duke Alexis, grand admiral of the Russian navy. The Svetlana's armament consists of 16 guns, six Canet cannon of 15 centimeters and ten quick-firing 47 millimetre guns. The grand duke visited the yacht and expressed himself as extremely satisfied. The cost is 6,000,000 francs, or about \$1,300,000.

**Gallop Proof Bridge.**  
The new Milan bridge at Topeka is one of the few structures of the kind in the country that will not have a sign above it reading in this way: "Five dollars' fine for riding or driving across this bridge faster than a walk." One of the tests given the bridge was running teams across it at breakneck speed. No limit is to be placed upon the speed of vehicles except the same as over the streets.—Kansas Journal.

**Printing Device on Scales.**  
A handy attachment for weighing scales consists of a printing register attached to a sliding weight on the scale beam, the figures on the beam being raised to be inked and print a card by the impression of a lever attached to the mechanism.

A Russian admiral has invented an ice plow capable of breaking through ice from 12 to 20 inches thick.

**Beware of "cheap" baking powders. Alum makes good medicine but bad food. Ask your doctor.**

The officers of a leading London hospital believe that the general increase of cancer is due to excess in meat eating.

**AN OPEN LETTER TO MOTHERS.**  
We are asserting in the courts our right to the exclusive use of the word "PITCHER'S CASTORIA," and "PITCHER'S CASTORIA," as our Trade Mark. I, Dr. Samuel Pitcher, of Hyannis, Massachusetts, was the originator of "PITCHER'S CASTORIA," the same that has borne and does now bear the fac-simile signature of CHAS. H. FLETCHER on every wrapper. This is the original "PITCHER'S CASTORIA," which has been used in the homes of the mothers of America for over thirty years. Look carefully at the wrapper and see that it is the kind you have always bought, and has the signature of CHAS. H. FLETCHER on the wrapper. No one has authority from me to use my name except The Centaur Company of which Chas. H. Fletcher is President. March 8, 1897. SAMUEL PITCHER, M.D.

The only surviving daughter of John Brown, of Harper's Ferry fame, is living in a small town in California, in nearly destitute circumstances. She is a temperance advocate.

**SYRUP OF FIGS.**  
Both the method and results when Syrup of Figs is taken; it is pleasant and refreshing to the taste, and acts gently yet promptly on the Kidneys, Liver and Bowels, cleanses the system effectually, dispels colds, headaches and fevers and cures habitual constipation. Syrup of Figs is the only remedy of its kind ever produced, pleasing to the taste and acceptable to the stomach, prompt in its action and truly beneficial in its effects, prepared only from the most healthy and agreeable substances, its many excellent qualities commend it to all and have made it the most popular remedy known.

Syrup of Figs is for sale in 50 cent bottles by all leading druggists. Any reliable druggist who may not have it on hand will procure it promptly for any one who wishes to try it. Do not accept any substitute.

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From Mrs. J. S. McGinnis, of 113 Kilburn Avenue, Rockford, Ill.

"I was dreadfully ill—the doctors said they could cure me, but failed to do so. I gave up in despair and took to my bed. I had dreadful pains in my heart, fainting spells, sparks before my eyes, and sometimes I would get so blind I could not see for several minutes. I could not stand very long without feeling sick and vomiting. I also had female weakness, inflammation of ovaries, painful menstruation, displacement of the womb, itching of the external parts, and ulceration of the womb. I have had all these complaints. The pains I had to stand were something dreadful. My husband told me to try a bottle of Lydia E. Pinkham's medicine, which I did, and after taking it for a while, was cured."

**Electric Life.**  
It cures you while you sleep. It makes weak people strong by invigorating the nerves and organs, storing fresh energy in the vital parts and renewing the healthy action of all parts of the body. Stop druging, and try this new and certain cure. "Boos," "Three Classes of Men," free upon application. Call or address.

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We wish to gain 100,000 new customers, and hence offer 14c for 100 seeds of the following: Fig, 1 Day, 10c; Early Red Beet, 10c; Queen Victoria Lettuce, 10c; Jumbo Giant Cauliflower, 10c; Brilliant Flower Seeds, 10c. Worth \$1.00, for 14 cents. Above 100 seeds, worth \$1.00, we will mail you free, together with our great Plant and Seed Catalogue, and a copy of our new and complete catalogue. We invite your trade and know when you buy Ferry's seeds you will never get along with any other. Particulars on \$1.00 and \$1.50. A full catalogue about \$1.00. F. F. FERRY & CO., LA CROSSE, WIS.

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