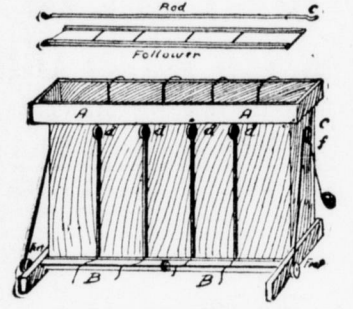


AGRICULTURAL HINTS

A HOME-MADE BALER.

Description of a Device That Has Been Used for Years and Gives Entire Satisfaction.

An Oklahoma farmer recently inquired for a homemade baler. The one in the accompanying sketch answers very well. I have used it for a number of years and find it gives entire satisfaction. The top and bottom frame is made of any desired dimension, the top (a) being a little larger than the bottom frame (b). This permits the easy removal of the bale from the box after it has been tied. The sides and ends are boarded up from the inside, leaving a space an inch or so wide between the boards. At each end a space is left for a rod (c), which is placed above the "follower." On the front side there are notches cut in the board near the top, forming holes (d), through which balls



THE BALER COMPLETED.

of baling twine can be thrust. Cleats are nailed to the inside close to the bottom of the box and upon these the floor is laid and nailed. A shaft (b) is placed on the extension of the lower frame. There is a windlass in the center and a reel at each end. On the opposite side of the lower frame at each end there is a staple (e), into which is fastened a cord (f) long enough to go over the pulley, which is over the end of the rod (c). This rod runs across the top of the box above the "follower." The cord (f) extends down to the reels at each end of the shaft (b), and is fastened to it.

To operate this device, first bring the ends of the twine from four balls over the top of the back side of the box, carrying the string down inside of the box, then across the floor and out through the space in the front near the shaft (b). Fill the box with hay or other material to be baled, tramping it down as hard as possible while filling. When full, bring the balls of twine over the top and thrust them through the holes at d. Then place the "follower" in the box above the contents and force the rod (c) through the space at the ends of the box, beneath the top of the frame and above the "follower." Put on to the ends of the rods the two pulleys carrying the cords attached to the reel. Now with the long lever used on the windlass, the reels are wound up, bringing down the "follower" until the hay in the box is tightly compressed. Tie the twine and the bale is ready to be removed from the press.—Orange Judd Farmer.

PASTURE FOR HOGS.

They Will Thrive Best Where They Have an Abundance of Good Grass and Clover.

Every swine grower knows that success in pork production is best promoted by having an abundance of good pasture. The hogs thrive best and make pork cheapest on grass and clover, for, by nature, the pig feeds on grass as well as grains, notwithstanding the small size of its stomach. Pigs like blue grass pasture well, and it comes early, but brood sows that are nursing should be turned on it with caution and gradually get accustomed to it, otherwise it will affect the milk, and the swine grower will be wondering what is the matter with young pigs. Blue grass is also fine fall pasture for brood sows, after the clover has been nipped by the frost.

Clover is a fine summer pasture, hard to improve upon and coming in when blue grass has become a little dry and unpalatable, and both the sows and pigs can almost live upon it until fall. We say "almost" advisedly, for pigs feed naturally on grass as well as grain, and not on grass exclusively at any season. Clover should be managed so that pigs will always have it young and tender. When it becomes woody larger stock should eat it down or it should be mowed, so as to allow the new growth to come on. Rape is also being more largely grown for hog pasture, and it makes a very good one, especially in the fall, and early fall sown rye serves an excellent purpose after it has made a good growth. With reasonable forethought it is no very difficult matter to provide good pasture for the hogs the whole season through, and they will be all the better for it as well as more cheaply grown. No one should try to raise hogs without plenty of pasture throughout the season, but remember also that it takes grain to make a marketable hog and to keep brood sows up to their work.—Western Swineherd.

From July 1 to September, or through the hot weather, the hogs are better off if shut entirely out of the hen houses. Fix up roosts outside in sheds, or under a temporary roof on poles.—Farm Journal.

As to hatching chicks, this is the best time not to do it. Break the news gently to the broody hens.

NESTS FOR LAYERS.

Best Material Is Dry Earth on the Bottom, with Chopped Hay Over the Earth.

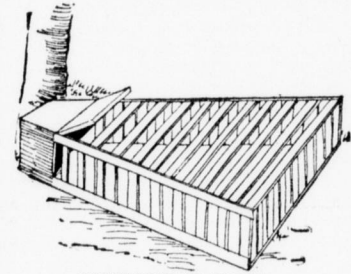
Many claim that the nests should be on the ground, but all claims that hens should have their nests on the moist ground are but theories, and unsupported by facts. What is required for the hen in winter is a snug, warm location, while in summer she should have a cool place. The best material for a nest is dry earth on the bottom, with chopped hay over the earth. Then dust the nest, hens and eggs with Persian insect powder, put a small quantity of tobacco refuse in the nest and clean it out thoroughly should an egg become broken or the nest foul. The broken eggs will cause lice quicker than anything else. But first see that the hen has no lice, then give her good eggs and she will bring off a brood if she has a warm and comfortable nest. The nest should be made movable, so as to be taken outside for cleaning, and it should never be placed where any of the fowls can cause it to be filthy or roost upon it. It should never be so high as to compel efforts to reach it, as the large breeds will prefer to lay on the ground rather than to reach a high nest, even when footway is provided, to say nothing of the fact that some of the hens learn to fly over a fence by first learning to reach a high nest. Never have the nest in a barrel or so constructed that the hen must jump down to it, as broken eggs will be the consequence, but rather so place the entrance as to permit her to walk in upon the eggs. The nest should be placed in a dark position, or so arranged that the interior will be somewhat dark, which will be a partial protection against egg eating. For a flock of one dozen hens, four nests will be sufficient.—American Gardening.

COOP FOR ORCHARDS.

Designed Especially for Use Under Trees, Where Young Chickens Will Do Best.

An orchard is an ideal place for the location of young chicks. Not only is the shade of great advantage to the chickens during the heat of summer, but the trees also receive much benefit from the presence of poultry.

A coop is shown herewith that is made especially for use under trees.



COOP UNDER TREE.

Its pie-shaped form fits it to be revolved about a tree trunk, giving a succession of new strips of ground for the chickens to scratch in, and an equal fertilizing of the soil all about the tree. The coop and yard are made together, the hinged cover giving access to the interior. The hen can be given her liberty in the pen, or be confined to the coop proper by nailing slats to its front.—American Agriculturist.

MISTAKE MANY MAKE.

Why Beekeepers Should Not Continue Their Destructive Warfare Against the King-Bird.

Many beekeepers feel it their duty to destroy any king-bird seen about the apiary, as much as poultry keepers would a hawk or a fox around the chicken yard. But if the report of our agricultural department is correct, this is a mistake. They examined the stomachs of 281 king-birds shot in different parts of the country, and found bees in but 14 of them. In these there were 50 bees, of which 40 were drones, four were workers and six could not be identified being too badly broken. There was then only a possible ten worker bees to 281 birds. On the contrary, there were ten robber flies which often do much damage among bees. There were beetles such as those whose larvae are the wireworm, the plant-eating grubs and the various cut worms, the cut worms themselves, caterpillars, grasshoppers, grain weevils, leaf hoppers and other insects injurious to fruit and grain, with some wild berries and grapes.—Rural World.

Drinking Fountain for Bees.

A drinking fountain for bees, which consume large quantities of water when rearing brood, may be made of a piece of smooth board or plank, and a common glass fruit or candy jar. Mark a circle on the board as large as the top of the jar and cut a number of grooves, one-quarter inch deep, from the center of the circle out two inches beyond the edge of the circle, but not to the edge of the board. Fill the jar so that the top is upon the marked circle, and holding the board down closely on the top of the jar, quickly turn the jar upside down. Put it in a shaded place. The grooves remain full as long as there is any water in the jar.—Midland Farmer.

Water Required by Corn.

About 2,500 tons of water per acre is the estimate for a crop of corn. Such a weight of water would crush a strong building and yet more than that quantity falls upon an acre in the course of a year. It is not so difficult to obtain the water as to prevent its loss. It is known that if a tub of water is covered less evaporation occurs. If the land is cultivated frequently the loose dirt on the surface prevents evaporation and the water is retained in the soil for the use of the plants.

NOTHING IF NOT REALISTIC.

What the Present School of Writers Appear to Be Trying to Achieve.

The russet sat upon the roof and blinked at the setting sun. Ajar down the alley a lone ragman drove his chariot slowly along and chanted his plaintive lay. The wind moaned through the chimney pots, the red sun looked dimly down through the smoke and the russet sparrow sat on the roof and blinked at the setting sun, says London Answers.

The russet sparrow sat on the roof and blinked at the setting sun. Sadly the stray policeman in the gray distance swiped an orange from the burrow of a passing coster and peeled it with a grimy hand. He was thinking, thinking. And the dead leaves still choked the tin spout above the rainwater barrel in the back yard.

The russet sparrow sat on the roof and blinked at the setting sun. Adown the gutters in the lonely street ran murky puddles on their long, long journey toward the distant sea. Borne on the wings of the sluggish breeze came a far-off murmur of vibrant dogs in fierce contention and life was hollow mockery to the homeless cat. And the russet sparrow sat on the roof and blinked at the setting sun.

One on the Summer Girl.

One of these girls sat in a hammock on a Hollywood piazza when a summer boy in a gray suit came along. He looked un- happy. The girl looked at him frivolously, and spied a button of a pastel shade in his lapel.

"A new kind?" she asked, inquiringly. "What is it? Have you sworn off or are you a son of something or other?" "No," he answered, shortly. "I've joined a Don't Worry club."

"When did you join?" she asked. "The day after I met you," he rejoined, cleverly.—Chicago Times-Herald.

Better Than a Doctor.

Palmer's Lotion, if properly used, is often better than the prescriptions of a regular physician. Under date of July 2, 1900, Mr. Lester A. Fawcett, 30 Carleton Ave., Brooklyn, N. Y., writes: "After being treated several days without benefit for sore eyes and eyelids by a regular M. D., I was relieved in two minutes by Palmer's Lotion, and now, at the end of four days, am a well man." Palmer's Lotion has also cured a number of cases of granulated eyelids which physicians had treated without success. Palmer's Lotion Soap should be kept in every household as it possesses the medicinal properties of the Lotion and is the only soap to be used in connection with it. If your druggist does not keep it, send his name to Solon Palmer, 374 Pearl St., New York, and receive free pamphlet of testimonials with sample of Lotion or Soap.

She'd Do It.

Crash! There came the sound of falling dishes from the kitchen. The cook appeared at the dining room door. "Please, mum," she said, "the whole av your best dinner set is broken f'woid Oi wuz washin' it!" The housewife wept. "B'gee!" said her husband, "if the powers could only get that girl, the job of breaking up China would soon be finished."—N. Y. World.

Do Your Feet Ache and Burn?

Shake into your shoes, Allen's Foot-Ease, a powder for the feet. It makes tight or New Shoes Feel Easy. Cures Corns, Itching, Swollen, Hot, Callous, Smarting, Sore and Sweating Feet. All Druggists and Shoe Stores sell it, 25c. Sample sent FREE. Address, Allen S. Olmsted, La. Riv. N. Y.

My wife, boasted the happy young benedict, "is an open book to me."

"Mine, too," declared the old married man. "I can't shut her up."—Philadelphia Press.

Lane's Family Medicine.

Moves the bowels each day. In order to be healthy this is necessary. Acts gently on the liver and kidneys. Cures sick headache. Price 25 and 50c.

It is one of the mysteries that a man who has given his heart unreservedly to a woman, still has the heart to refuse her a new hat.—Detroit Journal.

To Cure a Cold in One Day.

Take Laxative Bromo Quinine Tablets. All druggists refund money if it fails to cure. 25c.

No, Augustus, the knapsack is not so called because it is used as a pillow.—Indianapolis News.

Did You Ever Run Across

an old letter—ink all faded out? Couldn't have been Carter's Ink for it doesn't fade. Some men are so stingy they refuse to smile except at the expense of others.—Chicago Daily News.

THE MARKETS.

New York July 27. Flour—Minnesota patent \$4.15@4.50. Wheat—No. 2 red 79 1/2c. Corn—No. 2 at 44 1/2c. Oats—No. 2 white 29c. Butter—Creamery 17@20c. Cheese—Large white 9@9 1/2c. Beaves—None for sale. Veals \$5.00 @7.00. Sheep—Lower at \$3.00@4.75, lambs \$4.50@6.55. Hogs—Steady. Cleveland, July 27.—Flour—Winter wheat, patents, \$4.75@4.90. Wheat—No. 2 red 82c. Corn—No. 2 yellow 44 1/2c. Oats—No. 2 white 30c. Butter—Best creamery 20 1/2c. Cheese—York state 10 1/2c. Eggs—Strictly fresh 13c. Potatoes—Best new 40@50c. Cattle—Choice steers \$4.80@5.15, fair \$4.40@4.65, calves \$5.00@5.75. Sheep—Choice \$4.00@4.25, fair \$3.50 @3.75, best lambs \$5.00@5.50. Hogs—Yorkers and pigs \$5.40. Toledo, July 27.—Wheat—No. 2 cash 77 1/2c. Corn—No. 2 mixed 38 1/2c. Oats—No. 2 mixed 33 1/2c. East Liberty, July 27.—Cattle—Best steers \$5.30, common \$3.50@4.20. Hogs—Best Yorkers \$5.15. Sheep—Good lambs \$5.25@5.50, prime wethers \$4.40@4.50. East Buffalo, July 27.—Cattle—Dry fed steers \$4.75@5.00, veals \$5.75@6.45. Hogs—Yorkers \$5.55@5.60, pigs \$5.60 @5.70. Sheep—Top lambs \$5.50@5.70, mixed \$4.00@4.40.

Best for the Bowels.

No matter what ails you, headache to a cancer, you will never get well until your bowels are put right. Cascarets help nature, cure you without a gripe or pain, produce easy natural movements, cost you just 10 cents to start getting your health back. Cascarets Candy Cathartic, the genuine, put up in metal boxes, every tablet has C. C. C. stamped on it. Beware of imitations.

A parlor match is often the result, rather than the precursor, of a steady flame.—Indianapolis News.

PUTNAM FADELESS DYES produce the fastest and brightest colors of any known dye stuff. Sold by all druggists.

The hen is a liberal fowl; she gives a peck when she takes a grain.—Chicago Daily News.

I do not believe Piso's Cure for Consumption has an equal for coughs and colds.—John F. Boyer, Trinity Springs, Ind., Feb. 15, 1900.

It is surprising, sometimes, how a man that is 'way off gets on.—Indianapolis News.

The stomach has to work hard, grinding the food we crowd into it. Make its work easy by chewing Deeman's Peppin Gum.

The Advertising Trait.—"That actress' eyes are like diamonds." "Oh, no; she wouldn't want to lose them."—Philadelphia Bulletin.

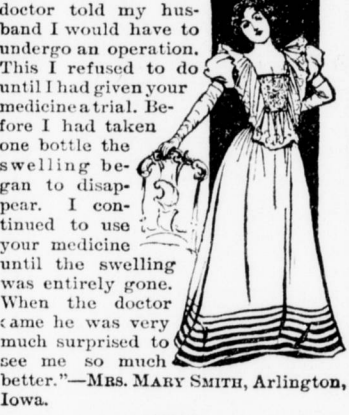
The good Samaritan does not carry oil in his cruse and vitriol on his tongue.—Ram's Horn.

Hall's Catarrh Cure is a Constitutional Cure. Price, 75c.

The dear departed—Venison.—Yale Record.

OVARIAN TROUBLES.

Lydia E. Pinkham's Vegetable Compound Cures Them—Two Letters from Women. "DEAR MRS. PINKHAM—I write to tell you of the good Lydia E. Pinkham's Vegetable Compound has done me. I was sick in bed about five weeks. The right side of my abdomen pained me and was so swollen and sore that I could not walk. The doctor told my husband I would have to undergo an operation. This I refused to do until I had given your medicine a trial. Before I had taken one bottle the swelling began to disappear. I continued to use your medicine until the swelling was entirely gone. When the doctor came he was very much surprised to see me so much better."—MRS. MARY SMITH, Arlington, Iowa.



"DEAR MRS. PINKHAM—I was sick for two years with falling of the womb, and inflammation of the ovaries and bladder. I was bloated very badly. My left limb would swell so I could not step on my foot. I had such bearing down pains I could not straighten up or walk across the room and such shooting pains would go through me that I thought I could not stand it. My mother got me a bottle of Lydia E. Pinkham's Vegetable Compound and told me to try it. I took six bottles and now, thanks to your wonderful medicine, I am a well woman."—MRS. ELSIE BRYAN, Otisville, Mich.

Did You Ever Know any one who smoked the same kind of Five Cent cigar any length of time? Five Cent cigar smokers are always dissatisfied—always trying something new—or something different, as there always seems to be something wrong about the cigars they have been smoking. Ask your dealer for Old Virginia Cheroots They are always good. Three hundred million smoked this year. Price, 3 for 5 cents.

THE WONDERFUL DIVERSITY OF NATURE on LONG ISLAND MAKES A TERRITORY IDEAL FOR THE SUMMER SOJOURN. GOOD AIR. GOOD WATER. GOOD ROADS. COOLED BY THE SUMMER SOUTH WINDS. LONG ISLAND RAILROAD COMPANY, H. M. SMITH, Traffic Manager. H. B. FULLERTON, Spec. Agt., Pass. Dept. LONG ISLAND CITY, NEW YORK.

CHICAGO TO OMAHA Double Daily Service. PISO'S CURE FOR CONSUMPTION. Cures where all else fails. Best Cough Syrup. Use in time. Sold by druggists.



STORY OF MANDY HIGGINS' BABY. "Have you heard how Mandy Higgins' baby is?" "Oh, she is better, and just as clean and sweet as any baby ever was." "Well, I'm mighty glad to hear it. It's about time the poor little critter had some rest. I tell you what it is, if Mandy had washed its head with CUTICURA Soap first-off, and put on some CUTICURA Ointment when her baby's head began to get crusted, she'd have saved herself heaps of trouble, and the poor little kid would have been a different being. Think of the days and nights Mandy's walked the floor with that baby. I ain't got no kind of patience with people that has to be told about a thing a hundred times before they begin to believe in the virtue of it. "Now, I told Mandy more'n three weeks ago about CUTICURA SOAP, and she knew just as well as you do, Liz, that we'd used it here going on five years or more, and that none of our family ever had a pimple, or any kind of irritation of the skin since we first begun using it. She was that contrary that I could n't get her to try it on her baby, even though I offered to give her a cake of the soap and some of the ointment from our box. "But now she comes here about every day to thank me. Fact is, the youngster's head is as clean as a whistle, and her skin is just as pretty as you ever see on any baby." MOTHERS: Mothers, to know that a warm bath with CUTICURA SOAP, and a single anointing with CUTICURA, the great skin cure and purifier of emollients, will afford instant relief, permit rest and sleep to both parent and child, and point to a speedy cure, in the most torturing, disfiguring, itching, burning, bleeding, crusted and scaly humors, rashes, and irritations, with loss of hair, and not to use them is to fail in your duty. Think of the years of suffering entailed by such neglect. Cures made in childhood are speedy, permanent, and economical. Sold throughout the world. Price, CUTICURA SOAP, 25c.; OINTMENT, 50c.; POTTER DREG AND CREAM CORP., Sole Props., Boston, U. S. A. Send for "The Care of Baby's Skin, Scaly, Itchy, and Humid." Free.

SEND 47c. SPECIAL OFFER: Cut this ad out and send to us and we will send you the Violin Outfit by Express, C. O. D. subject to examination of your express office and if not exactly as represented, and the most wonderful bargain you ever saw or heard of, pay the express agent our SPECIAL OFFER PRICE, \$2.67 less 47c. or \$2.10 and express charge. This is a regular \$8.00 Stradivarius model Violin—richly colored, highly polished, powerful and sweet in tone, complete with fine bow, extra set strings, violin case, rosin and one of the best instruction books ever published. Write for musical instrument and organ and piano and jewelry catalogue \$2.10 free, containing 240 pages. T. M. ROBERTS' SUPPLY HOUSE, MINNEAPOLIS, MINN.

BUY A DOUBLE BARREL BREECH LOADING \$15 SHOT GUN for \$7.77. NEW WINCHESTER RIFLES, \$3.07. NEW BREECH LOADING SHOT GUNS, \$4.47. NEW WINCHESTER SHOT GUNS, \$15.07. Winchester and U. M. C. Loaded shells, \$1.17 per 100. Nitro Powder, Loaded shells, \$1.27 per 100. GET SHOT, GUNS AND AMMUNITION at wholesale price to everybody. Our large Gun Catalogue containing 96 pages, size 9x12 1/2 inches, will be sent postage paid on receipt of three cents to any one returning this ad and mentioning this paper. We can save you big dollars on guns. Write at once. We sell more Sporting Goods than any OTHER HOUSE IN THE WORLD. Tents, Hunting Coats, Hats, Caps, Belts, Boots, Shell Boxes, Dog Whips, Collars, Biscuits, Tents and Base Ball Goods and Fishing Tackle, all in our 95x125, 56 page FREE GUN CATALOGUE. T. M. ROBERTS' SUPPLY HOUSE, 717-721 Nicollet Avenue, MINNEAPOLIS, MINN.