



The Army Worm.

While we do not think there is much likelihood of a recurrence of the army worm pest next year, yet it may be well to ease we should have another indication to know a little more about it.

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called the pupa stage, or, in the case of the butterflies and moths, is more familiarly known as the chrysalis stage. A single chrysalis measures about three-fourths of an inch in length.

Capacity of a Corn Crib. It is a safe rule in estimating the size of a crib, to allow two cubic feet to each bushel of corn. By a cubic bushel is meant 70 pounds of ear corn, which is equivalent to 56 pounds of shelled corn. The rule is to allow 14 pounds for cob in the fall, and 12 pounds in the spring after the corn has been dried out perfectly.

Records a Record. It would be no bad plan for every farmer, and particularly for every young farmer, to make a resolution—and keep it—to preserve an intelligible record of all his transactions, the times, the seasons, the crops grown, the dates of planting, with such history of their progress as will throw light upon the results reached.

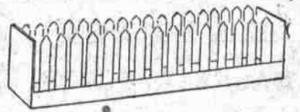
The Advance in Wheat. The price of wheat has advanced in all parts of the world, and is due to legitimate causes. First came a drought in Australia, which cut down the last crop in the colonies very materially.

Pay Off and Quit. Whenever there is any misunderstanding between employer and em-

ploye on the farm, and one or the other feels that they have not had their just deserts, it is time to pay off and quit. These sores never heal up entirely, and it doesn't pay to doctor them up, and have them break out in a new place worse than ever.

A Time for Liberality. A little neighborly help and counsel may go a great way toward keeping some people from failure. There are in every community those who are in a position to either distress or to help their less fortunate neighbors.

Poultry Feeding Rack. For the bottom take a board 1 inch thick, 6 inches wide and 6 feet long, ends 1 inch thick, 6 inches wide and 18 inches long. Nail solid to ends of bottom. Two strips half an inch thick and four inches wide are nailed to the edges of the bottom, thus making a trough three inches deep with ends 18 inches high.



GRAIN WASTE PREVENTED.

18 inches long, pointed at upper end, and nail them to the sides of the trough, leaving a space between pickets of 1 1/2 inches for chicks or 2 inches for fowls. This gives a complete and durable feed rack, where the weak have equal chance with the strong, and no waste of feed.—Farm and Home.

No American Fat Stock Show. There will be no American Fat Stock Show in Chicago this year. The Illinois State Board of Agriculture has decided that the time is too short to allow for proper arrangements being made.

Dead Furrow a Nuisance. The dead furrow is always a nuisance in preparing land for a crop, unless it is upon wet lands, which must necessarily be thrown into ridges a couple of rods wide to carry off surface water.

Dairy Dots. It is well to remember that culls will come with the best of breeding. If a cow has a sore teat, milk very carefully, and apply extract of witch hazel.

If a cow's teats are muddy or covered with other filth, they should be washed with water and then wiped dry before beginning to milk.

When the butter is buttered, it is either caused by leaving too much buttermilk in the butter at the last working or the salt has not been distributed evenly.

Much of the average farm butter contains many of the essentials of good quality, but because it falls in one or more essentials it fails to bring best prices.

The laws enacted during the past two years with reference to oleomargarine seem to be slowly but surely reducing the output of the stuff, and they are certainly of great benefit to the legitimate dairy interests.

Agricultural Atoms. Chinch bugs winter over among dead grass, in corn shocks, piles of rubbish, and along fences, especially hedges.

The potato blight is on the increase. Bordeaux mixture for blight and Paris green for bugs will have to be kept in stock by the potato grower.

For storing corn fodder, either shredded or bulk, any sort of a shed that has a rainproof roof will do. All that is necessary is that it be kept dry.

Land that is rich enough to produce crops on the "intensive" plan does not need rest, but a judicious rotation must be kept up, with clover mixed in somewhere.

Make your cellars frost proof, white-wash them, and let them at all times have light, and be capable of frequent ventilation. A cellar may be of greater value, or a nuisance.

The preponderance of evidence seems to be against the replowing of corn land for wheat. The land is in good condition without plowing. Cut the corn off low and drill in the wheat.

USEFUL BOOKS GIVEN AWAY.

INSTRUCTIONS FOR MAKING ART AND FANCY WORK.

Mrs. Nella Daggett of Boston has recently written a book, "Fancy Work and Art Decorations," that gives practical instructions for making doilies, table covers, scarfs, tray cloths, pin cushions, etc., etc., with fifty illustrations. This book, together with "Successful Home Dyeing," will be sent free to any reader who forwards the attached coupon and a 2-cent stamp to Wells, Richardson & Co., Burlington, Vt.

The above liberal offer is made to advertise the reliable Diamond Dyes, and to get their book upon home dyeing into the hands of women who want to dress well by making their old clothing look like new.

SWINDLING ADVERTISERS.

Scotland Yard Detectives Keep an Eye Upon Dangerous Swindlers.

There is one official at Scotland Yard who is but little known to the public, but who all the same works very hard and successfully for the public good by closely scanning, day in and day out, the advertisements appearing in every London newspaper.

This official's primary duty is to keep a bright lookout for the very numerous swindling class which advertises for managers and so on prepared to invest money; but, quite beyond this, he, in the most careful manner, notes all advertisements as strike him in any way as being suspicious, handing them over to the heads of different departments.

The writer had the privilege the other day of a short chat with this official—a bright young fellow, speaking several languages, who said: "I am afraid that I am not allowed to tell you much, but I may say that no day ever passes without my handing over some advertisement for inquiry. Our scrutiny in this way has become very keen recently, for it is an open secret that certain foreign catch advertisement swindlers are expected here ere long.

"Besides, there have been exposed in court many cases of swindling recently which have depended solely on alluring advertisements. In two of them I gave warning long ago, but no prosecutor would come forward. Were I allowed to do so, I could show you hundreds of most mysterious cipher advertisements in the book over there, the bulk of these, of course, being between lovers, but many of them containing warnings from one educated swindler to another.

"Of course, you know that the thieves even are all specialists nowadays, and it is surprising how soon a bogus advertisement swindler gets to work again in the same direction when he is released from jail. I am advised of the release of these men, and the characteristics of their style are soon observable again in the advertisement columns.

"We, as a rule, warn them at once that we recognize the new plant, and in this way hundreds of warnings are sent out yearly and do an amount of good that the public knows nothing of. My duty is very monotonous, and I dare not get even a single edition behind hand."—London Tit-Bits.

PHYSICIANS WISE IN THEIR GENERATION. The above class of scientists recognize, and have repeatedly borne testimony to, the efficacy of Hostetter's Stomach Bitters as a remedy and preventive of fever and ague, rheumatism, want of vigor, liver complaint, and some other ailments and infirm conditions of the system.

The multitude is like the sea; it either bears you up or swallows you, according to the wind.

DEAFNESS CANNOT BE CURED. By local applications, as they cannot reach the diseased portion of the ear. There is only one way to cure deafness, and that is by constitutional remedies. Deafness is caused by an inflamed condition of the mucous lining of the Eustachian Tube. When this tube is inflamed, you have a rumbling sound or imperfect hearing, and when it is entirely closed, deafness is the result, and unless the inflammation can be taken out of the tube, the hearing will never be restored, hearing will be destroyed forever; nine cases out of ten are caused by catarrh, which is nothing but an inflamed condition of the mucous surfaces.

We will give One Hundred Dollars for any case of deafness (caused by catarrh) that cannot be cured by Hall's Catarrh Cure. Send for circulars; free.

F. J. CHENEY & CO., Toledo, O. Sold by Druggists, 702 Hall's Family Pills are the best.

Great things are not accomplished by idle dreams, but by years of patience and wisely directed study.

CLERKS AND SALESMEN—MALE AND FEMALE—Employed and unemployed; send stamped self-addressed envelope in care for registration application blank to Employees Industrial Association, Home office, 246 Washington street, Portland, Oregon.

We will forfeit \$1,000 if any of our published testimonials are proven to be not genuine. The Pico Co., Warren, Pa.

We want your tea-trade for the rest of your life. Do you see now how we can afford to say: "Get every sort of Schilling's Best of your grocer, and get your money back on what you don't like?"

TRUMPET CALLS.

Ram's Horn Sounds a Warning Note to the Unredeemed.

To be a lion is to have a lion's enemies. To give less than we should is not to give as God would. The man who gives help to another learns how best to help himself. No gift will be too small that has a heart full of love behind it.

Blessed are the meek. The rabbit survives, but the wolf is gone. Suffering often puts into the human voice a tone that seems divine.

The strongest of all men is the one who takes God to be his strength. Something is sure to be accomplished by the man who sticks to one thing.

If we see nothing good in others, they will not be likely to see much good in us. Not until we know a man's heart have we any right to say that we know him.

We would all have less cause to blame others if we had fewer faults of our own. Only God can tell how much wrong doing is prevented by one man doing right.

Before we can know much of God we have to find out a good deal about ourselves. As much bitterness and hate can be expressed in a word as can be fired out of a gun.

It is better to be able to suffer long and be kind than to be able to talk like an angel. The man who says no to himself in nothing has the devil for a traveling companion.

The Christian who does not look happy when he gives dimes the polish on his gift. The man who would have a large life, must work and pray that he may have a large heart.

A good man finds good wherever he goes, because the good in him brings out good in others. The slothful man can never find that sweetness in bread which God puts in it for the diligent man.

We often call upon God to take away our trials, when what he wants is to give us grace to stand them. The devil almost gains our consent to stay, when he proves that nobody else is doing anything to make him go.

There is probably a time in the life of every man when his hand almost touches the philosopher's stone. There will be no revival when the people can see clear across the house that the preacher isn't expecting much.

Every mother should train her children as carefully as she would if she knew they were to be kings and queens. Many a man cheats himself out of a blessing, because he is not willing to trust God with the way in which it shall come.

David found the valley of the shadow of death a better place than the green pastures, but it is hard to convince those who have not tried it that it is that way.

Filters. Prof. Tyndall's idea, expressed many years ago, that filtration through a plug of cotton wool was a most efficient method of freeing air from microbe germs, led to attempts being made to filter water in the same way.

Little S.S.S. has hitherto been attained, but quite recently M. Henri Poteriv claims that he has evolved a method of so constructing such filters that he can completely sterilize water in large quantities. The fibers of the cotton are finely powdered and sifted, and then suspended in water and allowed to settle. This they do in compact mass, forming a paste, which, allowed to dry slowly, gives filter plates quite impervious to germs. The best results are gained by placing the plates between two plates of sandstone or perforated metal, and if they are arranged in a battery, like the filter presses so commonly used in Europe for sewage, sludge, etc., very large quantities of water can be rapidly sterilized. Periodical cleanings are necessary, as no matter what care is taken, the rule which holds good in all other filters serving the same end, that the microbes are able to get through the filtering material eventually by a process of growth, obtains. There is, however, no great difficulty in this, as the cells of the material are easily purified by a fresh pulsing in boiling water.

Woman's Reason. Surprised Dame—What? And you have refused Mr. De Goode? I thought you liked him. Lovely Daughter—I did, but to tell you the truth, none of the other girls seemed to care a snap for him.—New York Recorder.

A Sure Way. An agricultural exchange asks: "How can we prevent cider from working?" You might get it a government position.—Texas Sifter.

Wheel News. "It is queer how you inexperienced riders always take such long rides." "No, it isn't a bit queer; we are afraid to stop and get off for fear we can't get on again."—Detroit Free Press.

A man without enthusiasm is a very poor friend, but he takes good care of himself. This is the season when those persons who have never tried poisonum long for it.

Get Your Christmas Gifts Free. Many thousand dollars worth of valuable articles suitable for Christmas gifts for the young and old, are to be given to smokers of Blackwell's Genuine Durham Tobacco. You will find one coupon inside each two ounce bag, and two coupons inside each four ounce bag of Blackwell's Durham. Buy a bag of this celebrated tobacco and read the coupon—which gives a list of valuable presents and how to get them.

Cheapest Power.... Rebuilt Gas and Gasoline Engines. IN GUARANTEED ORDER..... FOR SALE CHEAP. 1-1 H. P. Hercules, Gas or Gasoline. 1-2 H. P. Hercules, Gas or Gasoline. 1-2 H. P. Regan, Gas or Gasoline. 1-3 H. P. Oriental, Gas or Gasoline. 1-4 H. P. Otto, Gas or Gasoline. 1-4 H. P. Pacific, Gas or Gasoline. 1-6 H. P. Hercules, Gas or Gasoline. 1-10 H. P. Hercules, Gas or Gasoline. State Your Wants and Write for Prices..... Hercules Gas Engine Works. Gas, Gasoline and Oil Engines, 1 to 200 H. P.

Cancer Of the Breast. Mr. A. H. Crasby, of 128 Kerr St., Memphis, Tenn., says that his wife paid no attention to a small lump which appeared in her breast, but it soon developed into a cancer of the worst type, and notwithstanding the treatment of the best physicians, it continued to spread and grow rapidly, eating two holes in her breast. The doctors soon pronounced her incurable. A celebrated New York specialist then treated her, but she continued to grow worse and when informed that both her aunt and grandmother had died from cancer he gave the case up as hopeless. Someone then recommended S.S.S. and though little hope remained, she began it, and an improvement was noticed. The cancer commenced to heal and when she had taken several bottles it disappeared entirely, and although several years have elapsed, not a sign of the disease has ever returned.

A Real Blood Remedy. S.S.S. (guaranteed purely vegetable) is a real blood remedy, and never fails to cure Cancer, Eczema, Rheumatism, Scrofula, or any other blood disease. Our books will be mailed free to any address. Swift Specific Co., Atlanta Ga. MAILED FREE. To any address, our Special Price List of HOUSEHOLD GOODS, ETC.

WHEAT. Make money by successful speculation in Chicago. We buy and sell wheat there on margin. Fortunes have been made on a small beginning by trading in futures. Write for full particulars. Best of reference given. Several years' experience on the Chicago Board of Trade, and a thorough knowledge of the business. Downing, Hopkins & Co., Chicago Board of Trade Brokers. Offices in Portland, Oregon, and Spokane, Wash.

FRAZER AXLE GREASE. BEST IN THE WORLD. Its wearing qualities are unsurpassed, actually outlasting two boxes of any other brand. Free from Animal Oils. GET THE GREASE. FOR SALE BY OREGON AND WASHINGTON MERCHANTS and Dealers generally.

FOR PEOPLE THAT ARE SICK or "Just Don't Feel Well," DR. GUNN'S IMPROVED LIVER PILLS are the One Thing to Use. Only One for a Dose. Sold by Druggists at 25c. A box Samples mailed free. Address Dr. Samsko Med. Co., Phila., Pa.

A Risky Service. The African Lakes Company has become so careful that it compels its agents to pay their own funeral expenses; so many agents died that an order was actually issued compelling the agents to die at their own expense. For a long while the company has enjoyed a monopoly of trade.

Governesses in families of the nobility seldom, if ever, dine with the heads of the establishment. They take their meals alone or with the younger members of the family.

We will Pay the Postage, and send you THIS SET OF HOUSEHOLD KNIVES. Consisting of a 14-inch bread knife, 12-inch cake knife and a paring knife. At 21 Cents for the Three..... These knives cut bread and cake without crumbling, and if not as well as if cold. Also Rogers Bros' Genuine Triple Plated Knives and Forks. AT \$3.65 For the set of 6 knives and 4 forks, as shown above. Or same style, only single plated, at \$1.90 for the set. Postage paid by us. To each customer who has not received our new Fall Catalogue we will send it free.

OLDS & KING, 302 Washington St. P. R. LAND, OR. HOW TO BE BEAUTIFUL! MME. A. RUPPERT'S FACE BLEACH. New York, Boston, Philadelphia, Chicago, and Portland, Or. MME. A. RUPPERT says: "I appreciate the fact that there are thousands and thousands of the ladies of the United States that would like to try my World Renowned FACE BLEACH, but have been kept from doing so on account of the price, which is \$2 per bottle, or 3 bottles taken together \$5. In order that all of these may have an opportunity, I will mail free a sample bottle, neatly packed, plain wrapper, or receipt of 25 cents. FRECKLES, pimples, moles, sallowness, black heads, acne, eruptions, oiliness or roughness, or any discoloration or disease of the skin, and wrinkles (not caused by facial expression), FACE BLEACH removes absolutely. It does not cover up, as cosmetics do, but it is a cure. Send for my book "How to be Beautiful," free on application. Address all communications or call on MME. A. RUPPERT, Room 6, Golden Rule Building, Portland, Or. SPECIAL TERMS TO AGENTS.

HEADQUARTERS FOR GUNS. BOTTOM PRICES. Send for Catalogue. G. W. SHREVE, 739 Market Street, San Francisco, Cal. RUPPERT and PILLES cured, no pay until cured; send for book. DR. MASSFIELD & FORTERFIELD, 338 Market St., San Francisco.

SURE CURE FOR PILES. Piles and Hemorrhoids. Bleeding and Protruding Piles, 1000s of cases cured. DR. BOWEN'S PILE REMEDY. Stop itching, burning, smarting, and all other troubles. Price 50c. Prescribed or mail. DR. EDWARDS, Philadelphia, Pa.

PISO'S COLE PILL. CURES WHERE ALL ELSE FAILS. Best Cough Syrup. Treats Croup. Use in time. Sold by druggists. CONSUMPTION. N. P. N. U. No. 677. -S. F. N. U. No. 754