

The Army Worm.

3)

3)

3

R

11

のない

05

File State

2777

の

X

do not think there is much d of a recurrence of the army stnext year, yet it may be well se should have another indicknow a little more about it. ion has devoted Bulletin No. an investigation of the beast. m it we extract some facts ar readers would do well to

s are very small, globular in d hearly white in color. They haid in the leaf sheachs of and grains, and the enris heh does the mischlef, oviely in the cut straw of old n hay ricks, in old corn shocks. is of corn stalk, that have been the surface of the ground in This will explain a fact that hen noted by many, that the tarted in blue grass pastures h cord fodder had been ted to

ing caterpillars come forth in days from the time the eggs In case the eggs were placed agrass or grain, the young far for a time in the sheath eggs were placed, but finalthe whole blade in the bill of They are full grown in about At this time a single larres about an inch and a haif gth and a quarter of an inch in They may be briefly deis being smooth, naked enter noderately dark in color, with inal stripes running the full f the body. The third stage in s' life begins when the caterto into the ground or under make the wonderful change active caterpillar to an apparss creature. This stage is



THE ARMY WORM.

pupa stage, or, in the case itterflies and moths, is more known as the chrysalic A single chrysalis measures ree-fourths of an inch in

apacity of a Corn Crib, safe rule in estimating the crib, to allow two cubic feet bushel of corn. By a cubic meant 70 pounds of ear corn, equivalent to 56 pounds of The rule is to allow 14 or cob in the full, and 12 the spring after the corn has d out perfectly. Two cribs

tet long, six feet wide and ten sh, will by this rule 14 d 1,800 a Ten feer is too hig. 35 brow selly with a scoop sho. 55 ut usly with a scoop sho, due, at

g down to within four or five

ploye on the farm, and one or the other feels that they have not had their just serts, 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 Liber dity. A little neighborly help and counsel

may go a great ways 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. In most cases it will do these people no good to draw the lines too tightly, while such action may cause the failure of some who would otherwise have avolded it. A man may be pretty hard up financially, and yet be all right. If his creditor knows this and takes advantage of it. in a time of financial unrest the debtor and the whole business community are wronged, usually with no advantage to . the creditor. No one is urged to take any great risk for the sake of accommodating a neighbor, yet all should footland Yard Detectives Keen an Eye realize the good that a little leniency Upon Cangerons' Sharpers. may do, and the harm that may result

from the opposite course. Pouttry Feeding Rack.

thick, 6 inches wide and 6 feet long. inches long., Nail solid to ends of hottom; their ends flush with underside of bottom. Two strips half an inch thick and four luches wide are nailed to the edges of the bottom, thus making trough' three Inches deep with "ends" 18 inches high. Then take strips one quarter inch thick, 3 inches wide and

GRAIN WASTE PREVENTED.

18 Inches long, pointed at upper end, and null them to the sides of the tranch leaving a space between pickets of 1% inches for chicks or 2 inches for fowls. This gives a complete and durable fee-I 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 vertisement swindlers are expected State Board of Agriculture has decided that the time is too short to allow for proper arrangements being made. The stockmen, too, are of the opinion that it would not be convenient for them to atprobable that another cause has oper fair involved them in debt about \$15,-000, and they had asked to have a guarantee fund of \$20,000 raised if the fat of the latter sum had been subscribed.

Dead Furrow a Nuisance. The dead furrow is always a nulsance 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. The reversing plow is now used and highly recommended when it is desirable to have lands level. We shall investigate this reversible plow and report upon its practical

utility another season.

evenly.

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.

With temperature under control and churning direct at the right time, the butter will come solid so as to be easily handled and free from buttermilk.

INSTRUCTIONS FOR MAKING ART AND FANCY WORK Mrs. Nella Daggett of Boston has recently written a book, "rancy Work and Art Decora-tions," that gives practical instructions for making dollies, table covers, scarfs, tray cloths, pin cushions, etc., etc., with hirty filustrations. This book, togeth-

USEFUL BOOKS GIVEN AWAY.

COUPON NO. 716 -0." This entitles any reader wards th this paper to one copy of Fancy Work and Art Do and "Successful tome Dyetna.

The above for is made to advertise the reliable Dia-nd Dyes; and to get their book upon home ing into the hands of women who want to savel by making their old clothing loos The fact that Diamond Dyes have been the andard home dyes for nearly twenty years, of that their sale increases from year to year, proof positive that they have never had an unait is proo equal:

CWINDLING ADVERTISERS

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 For the bottom take a board 1 inch by jelosely scanning, day in and day

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 manuer, notes all advertisements as strike him in any way as being suspicious, handing them over to the heads of different departments. He is himself an expert in all matters that deal with cipher writing, and part of his duty is to translate every cipher that may appear, handing over a copy of the translation to active members of the staff when anything is revealed. that justifies such a course.

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 ad-

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 tend, the time being too short for them I gave warning long ago, but no proseto get their herds in condition. It is cutor would come forward. Were I allowed to do so, I could show you ated to some extent. The Springfield hundreds of most mysterious cipher advertisements in the book over there. the bulk of these, of course, being be tween lovers, but many of them con stock show was to be held. Only \$15,000 taining 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 be 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 olumns.

"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 GEN. ERATION.

The above class of scientists recognize, and have repeatedly borne testimony, to the efficacy of licetetter's Stomach Bitters as a remedy and preventive of lever and ague, rheumatism, want of vigor, liver complaint, and some other aliments and infirm conditions of the system. Experience and observation have taught them its value. They but echo the verdict long since promounced by the public and the press. Only the benighted now are ignorant of Amer-ica's tonic and alterative.



The man who gives help to another learns how best to help himself.

No gift will be 1.1 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

Not until we know a man's heart: have we any right to say that we know

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

right. have to find out a good deal about our- IN GUARANTEED ORDER.

selves. 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 dims the pollsh on his gift.

The man who would have a large life, inust 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 microble germs, led to attempts being made to sterilize water in the same way. Little success has hitherto been attained, but quite recently M. Henri Potevin claims that he has evolved a method of so constructing such filters, that he can com-

pletely sterilize water in large quantitles. The fibers of the cotton are finely powdered and sifted, and then suspend-The multitude is like the ses; it ed in water and allowed to settle. This either bears you up or swallows you, they do in compact mass, forming a paste, which, allowed to dry slowly, gives filter plates quite impervious to germs, etc. 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



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

Genuine

Tobacco

......FOR SALE CHEAP

Wewill

Pay the

Postage,

and read the couponwhich gives a list of valuable presents and how to get them. ALMAN CARLAND ANTAL MITAL MITAL MICH.

Cheapest Power.....

torger will in Uniter Rebuilt Gas and The seed to well Gasoline Engines.

105-7 Sansome Street

San Francisco, Cal...

1-1 H. P. Hercules, Gas or Gasoline, 1-2 H. P. Hercules. Gas or Gasoline. 1-2 H. P. Regan, Gas or Gasolin 1-3 H. P. Oriental, Gas or Gasoline. 1-4 II. 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......



C-MAX TO DESCRIPTION

farmente -

Breast. the

Mr. A. H. Crausby, of 158 Kerr St., Memphis, Tenn., says that his wife paid no attention to a small lump which appeared in her breast, but it soon de-veloped 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 treat-ed her, but she con-tinued to grow worse and when informed

and when informed that both her annt and grandmother had died from cancer he gave the case up as 1.1

hopeless. Someone then re-commended S.S.S. and though little hope remained, she begun it, and an improvement was no-ticed. The cancer commenced to heal and when she had taken several bottles it disappeared entirely, and although sev-eral 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 R R R



-and send yo

THIS SET OF HOUSEHOLD KNIVES

Consisting of a 14-inch bread knife, 12-inch cake knife and a parting knife,

Or same style, only single plated, AT \$1 90 for the set. Postage paid by us. To each cus-tomer who has not received our new Fall Cas-alogue we will send it free.





floor, and when the crib is be bottom of these, short boards placed across them, as the crib and most of the filling can be case. When the cribs must ed to the top, a boy or man can orn back to the ends and fill it, utilize all the space.

Preserve a Record.

ld be no bad plan for every and particularly for every armer, to make a resolutionit-to preserve an intelligible all his transactions, the the seasons, the crops grown, s of planting, with such histheir progress as will throw in the results reached. How me has been employed, what was done, when, and in short fact relating to the economy of m might be briefly but intellied. Such a record, even for year, would be of value in or the next year, enabling er to better plan his work, bepoints at which he succeed well as those at which he failed the previous year, would be suggestion and reminder.

The Advance in Wheat. e of wheat has advanced in of the world, and is due to e causes. First came a drouth ia, which cut down the last colonies very materially advices from Adelaide Indiat need of rain, and the next a may be dwarfed on that ac-Wo had years in succession lla are improbable, but not The crop in the Argeniblic is short for the same nd this is also true of India The spectacle of Califorwheat to Calcutta is one has never before beheld.

Pay off and Quit. er there is any misunderbetween employer and em- off soft it is not ripe.

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

Much of the average farm butter contains many of the essentials of good quality, but because it fails 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.

Aericultural 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 hulk, 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 goad corn off low and drill in the wheat.

To tell when pumpkins are ripe chip them with the finger nnil. If the nail makes a snapping noise when breaking through the rind it is rips, but if what you don't like"? it makes no noise or the chip comes A Schilling & Company

according to the wind.

DEAFNESS CANNOT BE CURED.

Fold by druggists, 700. Hall's Family Pills are the best.

Great things are not accomplished by by a fresh pulping in boiling water. idle dreams, but by years of patience and wisely directed study.

CLERKS AND SALESMEN-MALE AND FE. [LERKS imployed and unemployed; sen stamped sell addressed envelope at once is registration application blank to Employee industrial Association. Home office, 246 Wash

We will forfeit \$1,000 if any of our published testimonials are proven to be genuine. The Piso 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 condition without plowing. Cut the every sort of Schilling's Best of your grocer, and get your money back on

528

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 Fure Way.

An agricultural exchange asks; "How can we prevent cider from working?" You might get it a government posttiou.-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 'possum long for It.

to any dress. Swift Specific Co., Co., Atlanta Ga.

MAILED FREE To any address, our HOUSEHOLD GOODS, ETC.

This circular is issued for the benefit of ou ountry customers who cannot a will the melves of our Daily Special Sales. Send us your ad-dress. You will find both goods and prices right. WHL & FINCK CO., 818-820 Market Street, San Francisco, Cal.

HEAT. Make money by suc-costful speculation in Chicago. We buy and sell wheat there on ins. Fortunes have been rande on a small ning by trading in futures. Write for articulars. East of reference given. Fev-ears' experience on the Chicago Board of and a thorough knowledge of the busi-Downing, Hopkins & Co., Chicago Board ude Brokers. Offices in Portland, Oregon, pokane, Wash. WHEAT.

Its wearing qualities are unsurpassed, actually outlasting two boxes of any other brand. Free from Animal Olis. G *T THE GE VINE. FOR SALE BY OREGON AND CO WASHINGTON MEHORANTS

and Dealers generally

ome so careful that it compels its

agents to pay their own funeral ex-

penses; 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 en-

joyed a monopoly of trade.

members of the family.

AXLE

FOR PEOFLE THAT ARE SICK of Just Don't Feel Well."

DR. GUNN'S LIVER PILLS

CREASE



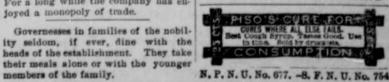
MME. A. RUPFERT says: "I appreciate the fact that there are thousands and thousands of the ladies of the United States that would like to try my World Renowned FACE BLEACH; but have been kept from doing so on account of he launy Wor, to try my Wor, but have been but have been the price, which is \$2 per taken together \$5. in order that any may have an opportunity. I will mail sample bottle, safely packad, plain wrap precept of 25 cents. FIRSCK L28, pimples reallowness, black heads, acae, eczoma, sallowness, or any discoloration of d sinking (not caused b or roughness, or any discoloration or disease of the skin, and wrinkles (not caused by factal expression,) FACE BLEACH removes absolute-ly. It does not cover up, as cosmeties do, but it is a cure. Eend for my book "How to be Beautiful," trees on application. Address all communications or call on MALE. A. RUPPERT.

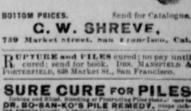
MME. A. RUPPERT. Room 6, Golden Rule Building, Fortland OG SPECIAL TERMS TO AGENTS. .



C. W. SHREVE.

SURE CURE FOR PILES DR. BO-SAN-KO'S PILE REMEDY. no ing showing the state of the state of





are the One Thing to use. Only One for a Dose. Bold by Druggists at 25c. a box Ramples mailed from. Address Or. Bosanko Med. Co. Phila. Pa. A Risky Service. The African Lakes Company has be

FRAZER

Its wearing qualities an