ervousness. Anyone who has bac , vousness, "blues," headache

dizzy spells, urinary ills and a tired worn feeling, would do well to try Doan's Kidney Pills. This safe, relia

sands who have had relief from jus

A Virginia Case

occasionally and am always benefite

Get Doan's at Any Store, 50c a Box

DOAN'S HIDNEY PILLS FOSTER-MILBURN CO., BUFFALO, N.Y.

"Every Picture Tells a Story

Spoil If You Use

RED RUBBERS

They Fit All Standard Jars

nended for cold pack canning

BOSTON WOVEN HOSE & RUBBER CO.

UNITED STATES ARMY

at Federal Training Camps, Signals and Codes, etc., 25 cents. \$15.00 per hundred. BOYER BROTHERS, 1434 Brandywine St., Philadelphia, Pa.

Didn't Need to Be Told.

to school about two weeks when she

said to her mother one day: "Mother,

I am the nicest and the prettiest and

the smartest girl in our class." Her

mother, very much elated, exclaimed:

"Why! Did the teacher tell you that,

"Oh. no!" said Katherine. "I just

WATCH YOUR SKIN IMPROVE

When You Use Cuticura-The Soap to

Purify and Ointment to Heal.

On rising and retiring gently smear

the face with Cuticura Ointment. Wash

cura Soap and hot water. Continue

this treatment for ten days and note

the change in your skin. No better

Free sample each by mail with Book.

Boston. Sold everywhere .- Adv.

GET EXPLOSIVE FROM FLOWER

British Scientists Discover That Blos

som of Mahua Tree in India Is

Rich in Acetone.

The munition output of India has in

ainly through the discovery that

two years been increased a thousand-

times richer in the material in ques-

the director general of ordnance for

India reports that the mahua is by

all odds the best source for acetone

Manufacture on a large scale is now

under way and it is whispered that the

abundance of munitions with which

the British forces in Mesopotamia ap-

pear to be blessed is to be attributed

"This year the potato is king." Then

to the new discovery.

God save the king.

toilet preparations exist.

Scientific American.

found it out myself."

Katherine, age six, had been going

udiments of Military Instru

ave

00

the hen is turning them. If she does not turn the eggs, the

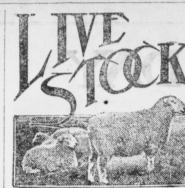
Hatching Duck Eggs. In hatching duck eggs in an incubator give them more ventilation and moisture, less cooling and a lower temperature the first week than hen's eggs. The heat must never get above

Pick Out Hatching Eggs. Don't hatch chicks from eggs laid by every fowl in the farm flock, but pick out and breed from only the strong, vigorous birds that have proved

Place for Little Chicks. Don't be sparing of well-rotted manure on the garden. If you expect

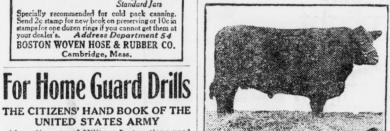
must see to it that plenty of available plant food is provided. Run for Little Chicks. Give the little chicks a run outdoors on the ground every day when he

Benefits of Whitewash. Whitewash your poultry house. improves appearances and acts as disinfectant.



The present food shortage, which threatens to become much more serious, is the live stock farmer's opportunity as well as the call to the pa-

In view of the grave situation, the division of animal forestry, University of corn most effective and go a long Farm, St. Paul, offers the following suggestions to the live stock farmers: Keep all live stock off pastures till the grass has a good start, and the sod will withstand tramping and retain the moisture in the soil. Much more feed will be yielded and hay saved in the long run by this method. "A week too the soil. When weeds have become early to grass in the spring means three weeks less pasture in the fall." Do not turn out steers about ready for market; they will shrink more than



they will gain, and other stock needs

Raise all calves for which there is ample feed.

and crops to be hogged-off. Rebreed sows that have farrowed

trates are available for feed. the rations of farm and city work- cold. horses by brewers' grains, oilmeal, molasses and alfalfa hay, thus releasing

Breed all suitable mares to the best

tallion available. make quick and economic returns in

meat and eggs. Observe all rules of stable hygiene and sanitation to control animal dis-Address postcard, Cuticura, Dept. L,

# SUMMER PASTURE FOR SWINE

Green Food Is Required for Best Development of Pigs-Alfalfa Is Relished by Animals.

that the mahua flowers contained ace- should be fed some grain, and the tone in larger proportions than it is pigs will get along with less grain found in any other vegetable substance | when on alfalfa than on most any oth--that this inoffensive bloom was ten er pasture.

## tion than any known wood. In fact, DOMESTIC HORSE IN DEMAND

Instead of Looking to Europe for Animals We Are Now Sending Our

Peavine silage is an excellent feed For a good many years the imported for dairy cows, being very palatable horse has been the standard, and it and containing more protein than corn silage and approximately equaling it not buy a high-priced animal unless in the total nutrients. Because of its bred in Europe. Now the day has come when we are not only satisfied strong odor, peavine silage should be fed after rather than before milking ourselves with the home-bred horse, to prevent tainting the milk. It may but the best breeders are looking to be fed in as large quantities as will foreign fields as an outlet for the surbe consumed but is more satisfactory plus, as soon as they are able to supply the home demand.—Twentieth Century when supplied at the rate of about 25 pounds per cow per day.

## KEEP SOWS BY THEMSELVES

Not Safe to Allow Pregnant Animals Free Run of Horse and Cattle Lots-Permit Exercise.

tice and must be avoided if best re-

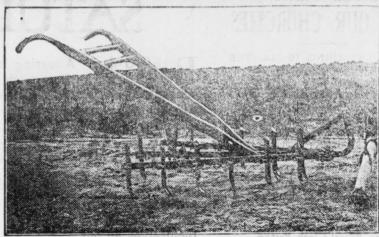
sults are to be expected. Brood sows should be allowed the run of a well-drained lot by themselves where they have ample room for the

SERIOUS ENEMY OF ALFALFA Caring for Sheep. A flock-master says: "Sheep should

Feeding Period of Hog. short, and the more quickly it is grown the greater the profit.

Shade in Pig Pasture. The pigs need shade in the pasture There should be trees as well as shel-

# MOST EFFECTIVE CULTIVATION OF CORN



IMPLEMENT FOR MAINTAINING SOIL MULCH.

Farmers can make the cultivation way toward assuring themselves of harvesting a good crop by getting the start of weeds. When these robber plants are small, before their roots have taken firm hold and before they have used much soil moisture, they can be destroyed by a light stirring of better established, however, deep cultivation only will kill them. Such deep cultivation not only means more labor, but it cannot be accomplished without breaking and destroying many corn

If corn land has been properly prepared deep cultivation is not advisable. It should never be given close to the plants after they are a foot high, as much harm would be done by breaking

To get an early start of the weeds, in many sections or in seasons when seed germinates slowly, it is advisable to harrow once or twice or otherwise to cultivate the field before corn comes up. Limited moisture makes thin stands necessary and it is poor management to allow grass and weeds to rob the corn of this moisture.

Aside from destroying weeds, time ly cultivation is beneficial in preventing the loss of moisture by evaporation and also in hastening the warming of the soil. The loss of soil moisture by evaporation continues much cultivation are: longer from a compact, damp surface than from a loose, dry surface, and Substitute and supplement oats in the evaporation tends to keep the soil

> altitudes the conservation of heat is losses of water and soil fertility. frequently as important as the conservation of moisture. Luckily, both heat and moisture may be conserved by good, timely cultivation. Heat is wasted in evaporating or wasting soil moisture, making the surface loose are: and dry saves both soil heat and soil

Cultivate After Rains. Cultivating after heavy rains is a evaporates; and good practice. To be most effective the cultivating should be done as soon spaces, thus permitting air to enter as the surface is dry enough to work and dry the soil.

verized to Depth of Four Inches

by Cutaway Harrow.

clean, and the battle will be won.

EXCELLENT FEED FOR DAIRY

Peavine Silage Is Very Palatable, Con-

taining More Protein Than

That From Corn.

erly, Is Often in Moldy and

Poor Condition.

properly, is moldy and in bad condi-

serious trouble with the stock.

trouble is located.

clean-cultivated crop.

a foothold.

(Prepared by the United States Depart- | well. If the soil is allowed to dry unment of Agriculture.) til it breaks up cloddy, much moisture will be lost, a good mulch cannot be obtained, and harm is more likely to be done to the corn roots. As long as rapid evaporation is taking place, the surface will remain cold and the growth of the corn will be slow. In order to cover large areas quickly, cultivators which work two or more rows are a great advantage.

The number of cultivations neces sary and the best time for them depend upon weather and soil conditions. Weeds should not be allowed to grow, and a mellow surface should be main tained. In some seasons this may be effectually accomplished with one or two cultivations; in other seasons from four to six cultivations may be necessary.

Nothing can be gained by continuing cultivation in cornfields free from weeds and in which the soil surface is mellow. When the surface is sufficiently loose and dry to reduce evaporation, is open enough to prevent runoff, and no weeds are starting, a cultivation could do no good and if carelessly performed would do injury to

Object of Cultivation.

Corn should be cultivated only when one or more objects will be accomplished by the cultivation and when total effects will be more beneficial than injurious. The beneficial effects of

(1) Preventing weeds from robbing the corn of soil moisture and fertility. (2) Putting the surface in condition to take in rainfall, thus prevent-In Northern localities and at high ing run-off and erosion, which mean

> (3) Warming the soil by drying its surface quickly. (4) Saving moisture by checking its capillary rise to the soil surface. Some injurious effects of cultivation

(1) Breaking the corn roots which otherwise would use some of the moisture of light showers before it

(2) Forming large clods and air

a short period, but should not be too long continued. Furthermore, one ought to use en ameled or earthenware vessels, as the Pastures Should Be Completely Pul- Nourishing Ration Previous to Foal-

Where Guineas Are Being Raised for Meat Purposes.

Raising guinea fowls in Kansas is superintendent of the Kansas State Ag-

"Large farms are now being established where guineas are raised for meat purposes," said Mr. Harris. "The eggs are small and consequently are

"Guinea fowls are easy to raise. They are noisy and good fighters and are not subject to the attacks of

for ducks, prairie chickens, quail, and other game which the laws make it im-

## IMPORTANT EGGS BE TURNED

Comparatively Small Hens Have Trouble in Turning Goose Eggs-Crippled Goslings Result.

Sometimes it is necessary to set goose eggs under comparatively small hens, that have not the strength to service. turn the large eggs. In setting eggs under a hen, mark them on one side so that you can tell whether or not

to be good layers.

large yields from a small area you

Apparently every popular name for fish is a misnomer. There is a fish plentiful on the coasts of Alaska known as the atka mackerel. The bureau of fisheries patiently points out that it is not a mackerel and nothing like a mackerel. But it is an excellent food fish, and can be shipped salt ed. Alaska canneries have been en-couraged to salt this fish, which will be known as the atkafish, and it should make its appearance in our markets in the coming winter.

To Drive Out Malaria

And Build Up The System Take the Old Standard GROVE'S TASTELESS chill TONIC. You know what you are taking, as the formula is printed on every label, showing it is Quinine and Iron in a tasteless form. The Quinine drives out malaria, the Iron builds up the system. 50 cents.

Both Appropriate. Longmore-The former clients of Smith, the divorce lawyer, who died last week, are going to do a nice thing. producing.

Short-What? Longmore-Show their appreciation by erecting a monument to his mem-Short-Have they chosen the design?

Longmore—Not yet. A number of them want something among the lines of the Statue of Liberty, and the others favor a colossal granite cleaver.-The Lamb.

### SHAKE INTO YOUR SHOES

Allen's Foot = Ease, the antiseptic powder to be shaken into the shoes and sprinkled in the footbath. It relieves painful, swollen, smarting fear and takes the sting out of corns and bunions. Used by the British and French troops at the front. Allen's Foot Ease is a certain relief for tired, aching feet. Sold everywhere—Adv.

Mantell's Ghost Story. Robert Mantell tells of a barnstorm Considerable complaint was heard rela-

One day a dramatic man on a local paper said to the leading man: "That fellow who plays the ghost does not suggest the supernatural."
"I should say not," assented the leading man with alacrity, "but he does

tive to the efforts of the man who es-

saved to do the ghost in "Hamlet."

Roman Eye Balsam is an antiseptic ointment, applied externally and not a "wash." Its healing properties penetrate the inflamed surfaces, providing prompt relief. Adv.

body's Magazine.

Then Silence. They were dancing merrily, this young man and the young woman, and were talking of nothing at all, when

"Have you enlisted?" "No," answered the youth "Haven't you joined the Officers' Reserve corps?"

"No, not yet. I haven't thought "Haven't you done anything about

the war? "No," the youth replied.

you."-Washington Star.

Elections in Land of Nippon. The Japanese people are satisfied tunes and are ready to retire.
with the result of the election of April 
It is not to the grain grown 20, but agitation regarding expense atcost of 600 c than \$2,640,000! This is more than prices. representatives in the United States by cabinet ministers; members of the opposition paid their own expenses. The editor regrets that so many men entitled to vote fail to exercise their high privilege. Repeated dissolution of the diet not only causes political disturbances, he argues, but imposes and upon individuals.

Dr. Peery's "Dead Shot" not only expels Worms or Tapeworm but cleans out mucus in which they breed and tones the digestion. One dose sufficient. Adv

Marital Consideration A considerate man who really wants to make his wife happy will look dejected and miserable at the station when she is leaving for the summer. She carries a heavy heart with her if he happens to be brutal enough to look as if he were anticipating a hot

old time.-Houston Post.

Produce More Food, But at the Lowest Cost.

A trip through most of the grain growing districts of Western Canada, and information received from authentic sources, reveals that the spring seeding of wheat, barley and oats is finished and the grain is having a most rapid growth. Men of farming experience here say that the conditions are similar to those years when there was an abundant harvest reaped. During the past year a number of new settlers came into the country, and they will undoubtedly have a good crop this year. This added to the normal acreage, made considerably less by the lack of labor owing to the number who have gone to the front, will give a fair general yield. It is surprising the growth that this country is capable of

Wheat has this spring germinated and shown three or four inches growth in five or six days, and with anything like favorable weather, harvesting should commence about the 15th of August, or a little over one hundred days from first seeding. Hundreds of farmers throughout this vast country paid for their entire holdings out of one year's crop and it would not be surprising if the same experience met

a great many more this year. The best authorities on the wheat situation give it as their opinion that for many years to come, wheat prices will be high. They base their opinion on a scientific calculation and their reasoning seems to be sound. Anyway, it is quite evident that for some years to come, the producer of wheat will ing company in the West in the old be amply rewarded for any effort he days that made a try at Shakespeare. may make to develop this branch of agricultural industry. Money may be made on the high-pilced lands of the wheat-growing districts of the United States, but it is a question if these high-priced lands would not be more profitably employed in other branches of farming than in growing the smaller grains, leaving it to lands just as productive for wheat, less expensive to opsuggest the natural super."-Every- erate, and with a much smaller initial price, to provide the world with this necessity of life. Here is where Western Canada, with its vast rich fertile plains, its low railway rates, its exceptionally good shipping privileges, its excellent climate, and its. perfect social conditions, has a combination of advantages not possessed by any other portion of the continent. Furthermore, these lands, of unexcelled quality, are extraordinarily

cheap, while for the man who does not care to undertake farming on so extensive a scale there is the free homestead which offers him all the opportunity for which he is looking. The prospective purchaser will have no difficulty at all in making a selection of a fine piece of land, well located and convenient to transportation. which may be had for from \$15 to \$25

Whereupon the girl stopped danc- an acre, and the railway companies or other holders of large tracts are al-"I wish you would take me to a seat.

I don't think I want to dance with if he desires a farm that is already under cultivation and improved, many such are to be had from farmers who already have made comfortable for-

It is not to the grain grower only that Western Canada offers great optending a canvass for a seat in parlia- portunities. If one wishes to go in for ment is renewed. The same argument cattle raising, there are great stretches The so-called wire grasses are many. Feeding the pregnant mare a good GUINEA FOWL IS PROFITABLE is heard as those after the last gen- of range land both free and for lease; eral election, according to East and and in many sections of the country West. The Chugal Shogyo estimates there are the finest of grazing lands

didates at not less that may be purchased at very low The appeal which has been sent out expend, but senators have been known both by the United States and Canato pay half a million for seats in that dian governments, for an unstinted, unbody. The Chugai says the govern- limited production of food stuffs to prement spent \$200,000 for supervising vent what might otherwise be a famthe election, which, to Americans, will ine throughout this great continentappear moderate. This sum includes and then consequently, throughout the 'stumping trips" through the country world-should in itself arouse all the ambition and desire in the heart and soul of the man who is not fighting at the front, to produce all he can. In addition, there is the potent fact that no chances are being taken in answering the appeal. Take it from either standpoint you answer the country's call although not fighting, and you are also insured against any loss by the high prices that are bound to exist for some time. Whether it be in the United States on its excellent grain lands or in Canada on its splendid grain lands.

all should do their bit .- Advertisement. Foresight. "When one of those musty thrones

topples over in Europe do you suppose there is much dust?" "Not as much as you might think. Most menarchs are crafty enough to put their dust away in a safe place before a revolution starts."

A man is never such a bonehead that he can fool himself by lying to himself.

The Effects of Opiates.

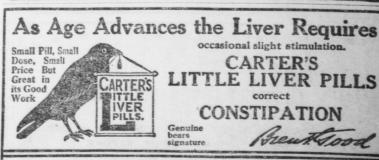
HAT INFANTS are peculiarly susceptible to opium and its various preparations, all of which are narcotic, is well known. Even in the smallest doses, if continued, these opiates cause changes in the funcsmalest doses, it continued, these opinies cause changes in the func-tions and growth of the cells which are likely to become permanent, causing imbecility, mental perversion, a craving for alcohol or narcotics in later life. Nervous diseases, such as intractable nervous dyspepsia and lack of staying powers are a result of dosing with opiates or narcotics to keep children quiet in their infancy. The rule among physicians is that children should never receive opiates in the smallest doses for more than a day at a time, and

only then if unavoidable.

The administration of Anodynes, Drops, Cordials, Soothing Syrups and other narcotics to children by any but a physician cannot be too strongly decried, and the druggist should not be a party to it. Children who are ill need the attention of a physician, and it is nothing less than a crime to

dose them willfully with narcotics. Castoria contains no narcotics if it bears the signature of Chas. H. Fletcher. Castoria contains no narcotics if it bears the signature of Chas. H. Fletcher.

Genuine Castoria always bears the signature of Charty Fletcher.



Colorless or Pale Faces usually indicate the absence of Iron in a condition which will be greatly helped by Carter's Iron Pills



# NAR'S CALL TO THE FARMER

Live Stock Breeder's Opportunity as Well as Duty Presented by Big Food Shortage.

triotic duty.



Excellent Beef Type.

the pasture Save high-priced feed by providing

og pastures, and labor by self-feeders early for fall litters wherever concen-

the oats for the horses in army serv-

Keep chickens on city lots. They utilize kitchen waste, require only light labor such as children, old folks, off Ointment in five minutes with Cutiand convalescents can supply, and

(North Dakota Agricultural College Bul-Pasture should by all means be provided for the pigs. This is the cheapone of India's commonest blossoms, the est food that can be provided, and produce new plants at the rooting velopment of the young colt is ex contains acetone in quantity. This tree quires green food. Alfalfa is one of is widely known to all travelers in the best pastures. It is relished by Britain's Asiatic empire, but its use as the pigs, is nutritious and provides a base for explosives is at least one feed during the whole pasture season. thing new under the sun, says the Many report splendid success with sweet clover where neither brome When the war broke out, acetone, grass nor winter rye is available. which forms the chief ingredient of Oats, barley and rape can be sown cordite, was extracted mainly from in the spring and will produce green wood maize and starch; and the Brit- feed till the hogs can be turned into ish admiralty erected a great factory the corn. If no alfalfa is available for the process of acetone recovery on the farm for pig pasture, this from starch. But fortunately two Eng- spring will be the time to sow it. lish scientists in Hyderabad discovered When the pigs are on pasture they

Surplus There. has seemed that most breeders would

It is altogether too common to allow pregnant sows a free run of the horse and cattle lots, and to force them to occupy crowded quarters with a large number of hogs. Occasionally heavy losses result from such a prac-

requisite amount of exercise.

be separated from the ewes, and the strong, vigorous lambs weaned." The feeding period of the hog is

Weeds, Including Perennial Grasses, Likely to Prove Disastrous to Thrifty Growth.

favorable soil conditions, weeds, in- to have crops ready for the pigs to cluding perennial grasses, will likely harvest in the fall. Let them hog prove its most dangerous enemy. This down some of your corn crops; let is one reason why sod land is not rec- them eat the rape, rye and pumpkins ommended for this crop.

# ERADICATION OF WIRE GRASS FEEDS FOR PREGNANT MARES

ing Is of Importance for Good Start for the Colt. Such grasses as propagate by means nourishing ration previous to foaling of creeping root stalks constantly reis of prime importance if rapid deflower of the mahua or mhowra tree, good development in the pigs re- points, as couch or quack grass, John- pected. A good start in life is half son grass, Bermuda grass and mem-bers of the blue-grass family. This bone and strong of muscle when born pasture, if adapted to tillage, should can the colt develop into a growthy be completely pulverized to the depth horse. A proper balancing of the

of four inches with a cutaway or disk mare's feed will do much toward harrow in July and keep harrowed once making a strong colt at birth. a week as long as the soil remains dry Oats form the basis of the mare's during the remainder of the season, al- ration. They have high nutritive lowing no green spear of grass to get value, but still do not supply an excess of fat as would corn. However, By fall the mass of roots will be it is well to mix the two using about practically lifeless if the season has three times as much oats as corn by been normally dry and hot. The whole weight, Oilmeal or bran in small should then be turned under ten inches amounts once daily will keep the dideep, using a jointer. In the spring gestive tract open and act as general hawks. harrow every week until time to plant conditioner. With the present high cultivated crop, then keep perfectly be the more profitable of the two.

FUNGUS DISEASES OF TOMATO Blossom-End Rot Attacks Fruit Before It Is Mature, Causing It to Drop to Ground.

Blossom-end rot of tomatoes is a isease caused by a fungus. It attacks the blossom-end of the fruit while the fruit is green and causes it to rot and drop off before it is mature. As soon as the disease is observed, pull off all affected fruit and destroy it. After this, spray thoroughly with bordeaux mixture. Bordeaux mixture is made with one pound of blue stone, one pound of quick lime and 12 gallons of water. Dis-BAD FEED QUITE DANGEROUS Old Corn or Hay, Not Sheltered Propthe lime separately, then mix the two thoroughly, and add the 12 gallons of water. Earthen, glass or wood receptacles must be used to dissolve the Often the farmer in the spring of the blue stone in. It will corrode metal. year has some old corn or old hay, If fruit is ripened, gather all ripe which, if it has not been sheltered fruit before spraying. It is necessary to repeat the spray every week tion. Such feed often is the cause of as long as there is any sign of the dis-

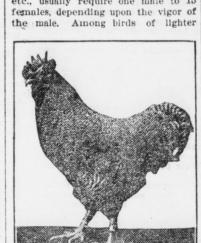
### use old moldy feed of any kind, for of several head of stock before the

Plan to Have Crops Ready for Swine to Harvest in Fall-They Will Save Big Cost of Labor.

Farm labor is yearly becoming more costly and inefficient. Pigs generally pay for this labor, so why not let them do the work themselves, thus saving When alfalfa is once started under the cost and worry of poor help? Plan that you plant with your corn. They On account of the danger from will not only save the cost of harvestweeds it is usually best to precede the ing labor, but they will derive more alfalfa for one or two years with a benefit from the feeds so consumed .-Swine World.

# Right With Larger Breeds, Such as Plymouth Rock. Birds of the general-purpose class, such as the Plymouth Rocks, Wyandottes, Rhode Island Reds, Orpingtons, etc., usually require one male to 15

PROPORTION OF MALE FOWLS One Rooster to Fifteen Hens Is About



Barred Plymouth Rock Cockerel.

breeds, such as Leghorns, Anconas, Campines, Hamburgs, etc., one male is sufficient for a flock of 20 females. About ten days should be allowed for the fertilization of the flock by the male. However, in small flocks,

such as four or five females, only four

## GOOD MEDICINE FOR FOWLS

or five days is needed.

On Account of High Price of Permanganate of Potash Substitute Is Sought by Poultry Men.

(Storrs Experiment Station.)
Many poultry men have been using
permanganate of potash to prevent the spread of colds and other catarrhal diseases. During the past two years suddenly the girl asked: this product has risen in price from 50 cents to \$2.50 to \$3 per pound; thus it is not surprising that a good substitute is being looked for. One authority suggests the use of

bluestone or copper sulphate, which much about that sort of thing." can be used as follows: Dissolve four ounces of the bluestone in a quart of water, this to be known as a stock solution. Add one ounce of this solution to each gallon of the drinking water. This can perhaps be well used for

### copper sulphate solution may produce undesirable chemical changes when used in galvanized pans.

profitable, according to N. L. Harris,

ricultural college poultry farm. of little value commercially.

"There is a good market for guinea heavy financial loss upon the nation feed prices the former will probably fowls. The meat of the young guineas resembles that of prairie chickens and Any kind of hay may be fed de- wild ducks. The clubs and stylish pending on the availability and price, cafes use the guineas as a substitute

# possible for them to secure.'

solve the blue stone by hanging it in a goslings will be crippled, unless the cloth bag, in water, over night. Slake eggs are turned by hand.

### ease. Farmers should be careful how they it is dangerous, often meaning the loss PIGS WORK FOR THEMSELVES