

AUGUST, 1914

THE INDUSTRIOUS HEN

VOLUME
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NUMBER
3

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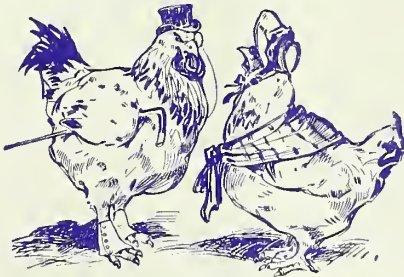
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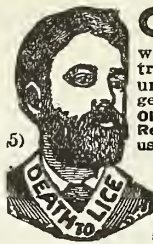
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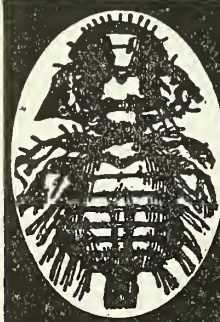
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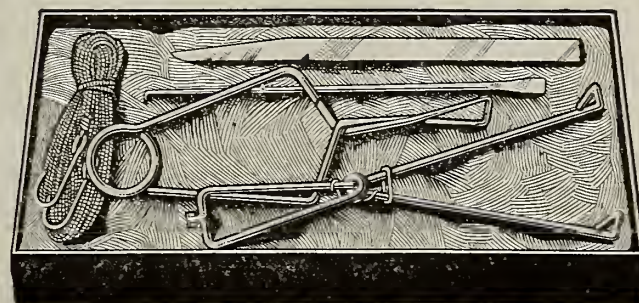
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J. O. REID,

PROPRIETOR

THE Industrious Hen

VOL. XI.

LOUISVILLE, KY., AUGUST, 1914

(Whole No. 122)

No. 3

How I Became Interested in Poultry and What It Has Done for Me.

By O. B. ANDREWS, President Andrews Corrugated Box Co. and the Acme Box Co. Also Originator of Efficiency Strain Barred Rocks and S. C. White Leghorns.



HERE are so many different articles written each month on the poultry industry, it would seem that every conceivable point has been thoroughly covered. So when the editor asked me to write an article for him, I racked my brain, and finally decided to give my experience in entering this great industry, because the articles that always interest me most are those dealing with some successful poultryman's views, and not the theories of a dreamer. Some years ago the writer's

brother had the farm craze, and induced him to go in with him and buy a farm. We finally bought a large farm, adjacent to Chattanooga. Being very busy with my manufacturing interests he was to run the place and "make it pay." At the end of the first year we took stock, and found that our losses were \$5,000. The second year matters were worse, and we sold out in disgust at a total loss of some \$12,000.

On this farm my brother had three or four hundred White Leghorns and Barred Rocks, and when the place was sold I took them to my home on Lookout Mountain. I had five acres beautifully shaded, an ideal place for a poultry plant.

I had become interested in poultry, and felt sure that we should have received more than two dozen eggs a day from a flock of three or four hundred hens, and I imagine any reader will agree with me, but that is all we were getting.

In the first place the fowls were allowed to roost anywhere on the place, and it was thought that a few quarts of corn a day would be all that they should expect, and in return we were expecting a large egg yield. As a matter of fact, I discovered the first thing, that the fowls did for us just what we did for them—nothing.

As soon as I removed them to my home I commenced reading every good poultry book I could lay my hands upon. I didn't jump in and change breeds, and try to conquer the problem in a month, because my heavy loss had taught me to be conservative. I had already found out "that fools rush in where angels fear to tread."

I built me a half dozen runs and constructed a few open front colony houses. I began to systematically feed the best grains and dry mash I could buy, and two months

later my brother was surprised, when in visiting me, to find I was securing a 70 per cent egg production. This seemed wonderful to him as he always maintained the hens were too old to lay, and we didn't have the right breed.

At the end of the first year I became very much interested, and my friends all said I had gone crazy over chickens. Finally it occurred to me that it cost no more to raise pure-blooded stock than the mixed breeds that I was raising, so the second year I marketed every fowl on the place and started fresh. By this time I had "cut my eye teeth," and still bearing in mind my woeful experience, I went slow.

I attended a large show, and purchased from one breeder, whose Leghorn specimens appealed to me, fifty day-old chicks. From an equally prominent Barred Rock breeder I purchased a like amount. These youngsters arrived February 1, and I had no equipment

for them, so I carried them to my box factory. I built a small pen right in the engine room where it was dry and warm. My superintendent made a few large boxes in which he sprouted oats for me, and these green oats and a good commercial dry mash and a prepared chick feed were all the youngsters received for ten weeks, a very simple diet, but very satisfactory.

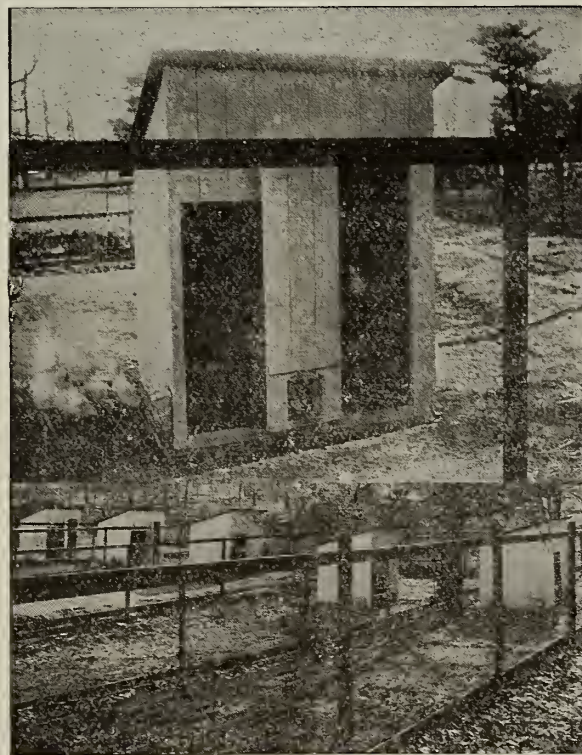
I raised from these 100 exactly 97 youngsters and I was indeed proud. They were carried to my place on Lookout Mountain at the end of ten weeks, and the following fall I decided to try a large nearby show. I had an experienced fancier spend a week with me, and here I got my first lesson in preparing for the show room.

When the ribbons were placed I had won five firsts, four seconds and two thirds. Needless to say I was overjoyed, and this was my beginning.

Understand, up to this time I had no idea of ever becoming what you might term a professional fancier, and it never occurred to me to try and sell anything. I was very busy, having two box factories to look after, and in addition was running, and still am for that matter, a professional baseball club. I found time to make my plans in the after-

noons and on Sundays, and it became a great pleasure and my sole recreation to care for my birds, because I was now deeply interested.

The third year I bought a few more very fine specimens, and from these, using Mr. Felch's chart, I commenced to



A battery of colony laying houses at Efficiency Strain Farm, Lookout Mountain, Tenn. These houses were devised by O. B. Andrews, and are manufactured by Andrews Box Company.

line breed. I still kept Leghorns and Rocks, and never had any temptation to change. I really think the fancier should specialize and have only one breed, but I could never make up my mind which to part with. Up to this time I kept no books, but decided now to put my Efficiency Strain Farm on a business basis, and decided it must pay.

I took one of my most faithful employes from my factory, and together we commenced to expand. By this time we now had fifteen pens.

After much experimenting we constructed our open front colony breeding houses. These were made in two sizes; one for fifteen females and one for thirty. We also constructed our own chick colony houses to which we removed the youngsters after they graduated from the brooder.

At the end of the fourth year we were shipping quite a few eggs and stock, and our winnings had given us some prominence. We commenced to advertise, and let me give you the result of personal experience in advertising, not only poultry, but other lines. If you have the stock which justifies advertising don't "piddle" or squander money. At first pick a good paper (my experience has caused me to demand the same position in the periodical every issue), then stick to it, month in and month out. Don't think your ad. does only good in the spring when most stock is sold. Remember the careful and sensible buyer in the winter is looking ahead and planning for the spring, and it is often the case

I was always careful to keep only the best winter layers for my breeders, and as my carefully line bred Rocks and Leghorns were just as efficient in laying as in the show room, I gave them the name, Efficiency strain.

After numerous experiments we adopted for our houses what is known as the Andrews line of colony houses. We



Colony chick house manufactured by Andrews Box Co. This house originated on Efficiency Strain Farm, Lookout Mountain, Tenn.

had great trouble getting a satisfactory egg container for shipping our fancy eggs, so we commenced a line of experiments at the Andrews Paper Box Co., until we finally devised the Andrews Safety Egg Carrier. We perfected our exhibition coop for shipping fowls to the shows in the same manner, and our baby chick carriers were simply the outcome of trying to secure something original for Efficiency strain. Our friends and customers, as well as the representatives of the poultry press, commenced calling upon our plant on Lookout Mountain, and they were all so loud in their praise of our method of housing, and of shipping our chicks, eggs and exhibition specimens that we finally commenced to manufacture them at the Andrews Box Company.

This department is now the largest of the concern, and through the aid of it our sales are now approaching a million dollars. Our Efficiency strain has progressed in a proportionate manner, and this season we shipped eggs and birds into nineteen different States, and although our farm only covers six acres, we raise to maturity about fifteen hundred birds, and we find a ready sale for every one.

This is not meant in a spirit of braggadocio, but simply to show what can be done by careful effort and constant application and perseverance.

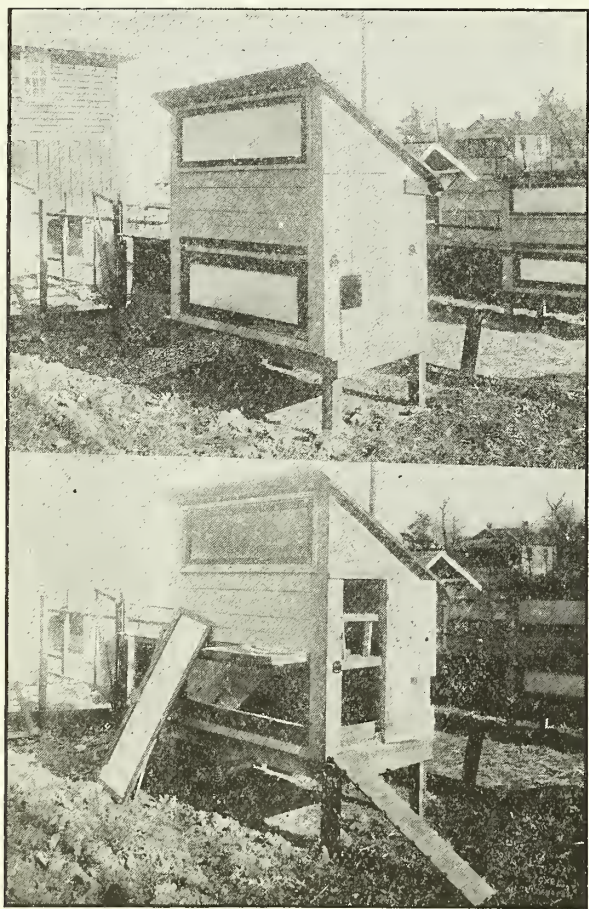
The editor asked for something original, and it occurred to the writer that inasmuch as Efficiency strain and Andrews safety egg carriers and the Andrews line of houses, coops, etc., were the outcome of what started as a miserable failure, in our original farm investment, that it might lend encouragement to the thousands of toiling fanciers and breeders in this great country.

The price of success in poultry is conservatism, perseverance, energy and judicious and honest advertising.

The Andrews Box Company last month sent out orders of egg carriers to every State in the Union, and in number they totaled 87,000 cases, showing the tremendous size of this great industry.

While our poultry supply department has grown to a large proportion, Efficiency strain farm, I must admit, gets a big part of our attention, and in proportion to its size it is just as profitable, and at the same time is the greatest pleasure, and why not? Is there anything more beautiful than a flock of high bred, healthy pedigreed fowls? There certainly is not, and if carefully managed and cared for will yield a substantial profit and income on the investment.

We expect to accompany our birds to a number of the largest shows this season, as there is nothing more pleasing or instructive to a "dyed-in-the-wool" poultryman than to visit a good poultry show. If you have never been to one try it this winter and see.



Photographs from Efficiency Strain Farm, showing open front colony breeding houses in use. These houses were perfected by O. B. Andrews, and are now made by Andrews Box Company.

that your best orders come from an issue of some good journal issued months before you actually get the order.

Space forbids my telling all the steps which lead up to the final prominence of Efficiency strain or to the Andrews Paper Box Company's poultry specialties.

THE TRAP NEST.

One of the Inventions That Gave Poultry Culture a Wonderful Boom.

By Michael K. Boyer, Hammonton, N. J.



FOR years back, as far as we can remember, the laying qualities of a hen was measured by what the entire flock produced. It was not fair. Many a drone—a hen that did not produce enough eggs to pay her board, was allowed to remain in the flock and enjoy the same comforts, and the same feed, as did the hen that was doing phenomenal work. The drone's species were propagated. When it came time to set the hens, the eggs were gathered up in a haphazard way, and the result was

that each year the eggs from drones and hens that positively refused to work during winter, were the foundation stock of the new generation. Is it a wonder that statistics fixed the average laying of a hen at from eighty to one hundred eggs per annum? The writer well remembers the time when winter egg production was deemed more of a dream than a fact.

It is different today. What has brought about the change? The trap nest. Here we have a patent device, open to the view of the hen. She wants to lay. She examines the nest carefully. The door is open—it looks safe (hens are mighty cautious)—and she enters. Her body in some way touches some sensitive part, the door closes, and she is held a prisoner. She finds herself in a cozy, quiet corner, and calmly goes about laying her egg. She finishes, cackles, and awaits the appearance of someone to liberate her.

A band is fastened around the leg of each hen, and on each band there is a different number by which the hen is known. After the hen has laid, and she is taken off the nest, her number is ascertained and credit given her on the egg. At night these numbers are recorded on a record sheet, and at the end of the year we know just how many eggs each hen laid.

We breed only from our best layers. In this way each year we improve the egg-laying qualities of our stock. We have raised the standard from one hundred to one hundred and fifty eggs as the average for our flocks. Is not such an improvement worth working for? Besides, we can gain much information by the aid of the trap nest. We can tell which hens lay small eggs and which lay the large ones. We know the layers of badly formed eggs and those which turn out the regular egg-shaped product. We can distinguish the brown-egg layers from those that give us nothing but white-shelled eggs. We know which hen's eggs are as a rule fertile and which hen gives us infertile eggs. We know how many times our hens become broody, and the sort of setters they prove to be. We know the age at which our pullets begin to lay, and know if they are steady layers or not. We know when the hens stopped laying due to the molting process. We know our winter layers as well as our summer layers.

Handling our hens, as we do in using trap nests, several times a week, we readily notice their condition. They may be too fat or they may be too lean—either extreme being in need of treatment. If scales are forming on the legs, we notice it in the start and can nip the trouble in

the bud. The trap nest, too, gives us a chance to arrest the egg eater. We catch her in the act. She becomes a good roast. To a great extent, the trap nest prevents the egg-eating habit due to hens crowding on the nest and breaking eggs; the trap admits but one at a time.

Have we not given sufficient reasons for advocating the use of the trap nest in every farm poultry house? They are the only guides to success. Where nests are conveniently arranged, it does not take more than five minutes to attend to fifty nests. They have developed more good in poultry culture than any invention in recent years. We are now able to secure twenty per cent more eggs with twenty-five per cent less hens by breeding only from the cream of our flocks.

If five trap nests are allowed in every pen of fifteen hens—or, in other words, a nest for every three hens in the pen—it is not necessary to look after the nests oftener than four times a day. Where there is a nest for every five hens, it is better to look after them every hour from nine o'clock in the morning to three o'clock in the afternoon. The hen that lays at night, while on the roost, is generally out of condition.

There used to be an old-time theory that when a hen laid a small (pigeon-sized) egg, it indicated that she had reached the end of her litter, and her usefulness as an egg-producer had stopped for the season. The trap nest proved otherwise. Our record sheet for this year shows that on May 7 of this year hen No. 23 laid one of these small eggs. May 9 she laid an egg of normal size, and during the remainder of the month laid on an average every other day, and each time the egg was of good size.

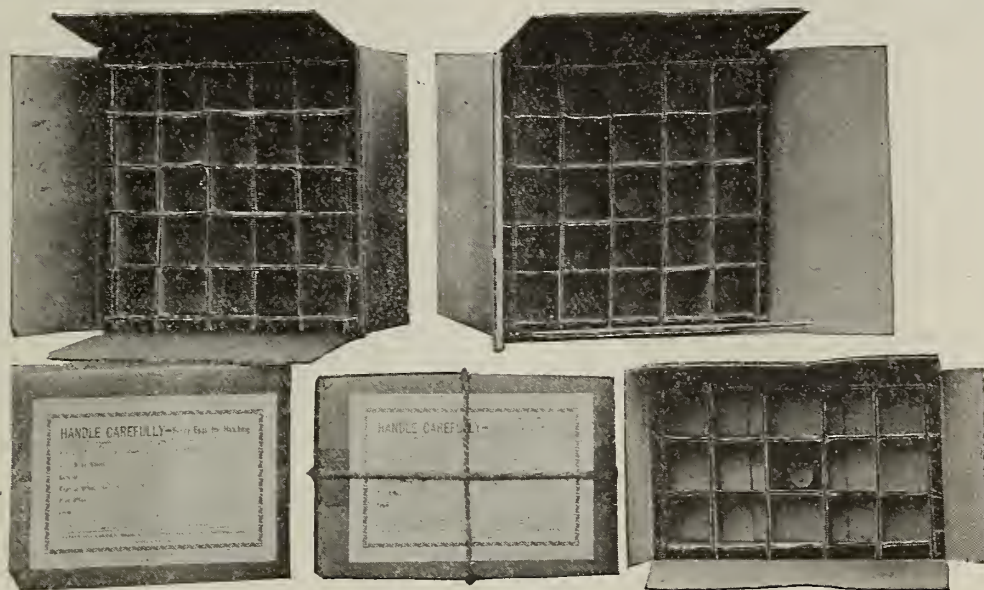
The trap nest proved that, as a rule, eggs do not hold the same shade of color throughout the season. Although of a dark brown in the beginning, they become lighter in color as their yield increases, some coming pretty near white. This is more true with heavy layers than with only ordinary ones. The pigment, or coloring matter, becomes weaker towards the end of the season.

Another fact has been shown; that in the case of heavy laying the eggs become smaller in size as their number increases. Eggs from hens are generally larger than those from pullets, principally on account of a less number being laid. However, there are exceptional cases where there is no difference in color or size, but the trap nest has proved that with the great majority there is considerable difference.

Trap nests make the hens tame, due to frequent handling, and this in itself has a tendency to increase egg production. They prevent crowding on the nest, and thus avoid breakage of eggs. Trap nests do not consume as much time in their care as some writers would make one believe. Fifty traps can be attended to in from five to ten minutes, according to the convenience of location. If a trap is made five or six times a day—say, in the morning when opening up the house, then four trips between the hours of nine in the morning and three in the afternoon, and then again when closing the houses at night, there will in all be consumed not much more than a half hour each day. That half hour's work is more profitable than any hour's labor on the farm, and when once fully understood becomes an imperative order.

Trap nests allow of no guess work. No other method can equal it, as there is no other way by which we may learn the true condition of our stock as well as a correct report of what they are doing.

It is good business policy to reject as doubtful all eggs found in a nest that was not visited the previous day.



Andrews Safety Egg Carriers, showing how packed for Parcel Post and Express.

Such eggs should be used in the home kitchen, when they may be broken separately. During the summer, the eggs as soon as gathered should be put in the coolest place possible. All cracked and dirty eggs should be used at home. Such eggs are perfectly wholesome if consumed when fresh, but when marketed are discriminated against and are likely to become an entire loss.

The poultry industry in the United States can well be credited as the billion dollar business. The hen is giant in the financial world.

Our English cousins are great fanciers. Probably more so than any other country can show. France leans more to the utility, while America prefers a combination of both utility and fancy.

There is a chicken law in Indiana, according to State Attorney Jeffries, which claims that when chickens wander away from their owner's premises and take to tearing up the neighbor's garden, they become wild birds, and the aforesaid neighbor may shoot them.

Caging fowls separately for two weeks, while fattening them will produce tender meat; while, on the other hand, where fowls are yarded they are apt to nag and chase each other so that the muscles harden and the meat toughens.

Laying stock should have all the feed they will consume. They need it for the heavy production of eggs. As a rule, it is difficult to overfatten hens that are in the height of their laying.

ECONOMY IN POULTRY FOODS.

Too Much Highly Concentrated Food Used and Too Much Poor Grains Used Because They Can be Gotten Cheaply.

By S. P. Porter, Mallet Creek Ohio.



HEAT and corn are perhaps two of the most common poultry foods used—that is as a whole grain food but while they are both good grains for poultry it does not follow that their use alone is economy, variety is the spice of the chickens life, follow a laying hen if you will when she goes out in quest of nature's food, a worm, a bit of grass, a bug, a small gravel, a little seed from a full grown weed, a drink of water, a bit of lettuce stolen from the garden. A few

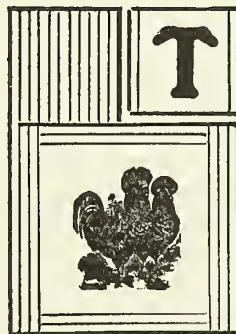
more bugs and worms, more grass and say her crop now begins to take on the size and shape of a toy baloon. This hen having her liberty to pick up her own variety, can be fed corn or wheat or both with good results—but what of the hen confined even in a large yard where the same ground is looked over many times a day for that much needed variety and it is not found, it is she that we must look after, it is she that we must help out by furnishing a variety and while we are trying to help her out we must not forget that to be healthy and profitable she must have an abundance of coarse food. We often get in a hurry and throw in to our fowls corn or wheat day after day, omitting the other necessary foods, and wonder why they do not lay better. It is not infrequent that we find a man who gets so disgusted because his hens do not lay better that he hustles the whole lot off to the butcher and gets another breed, believing he had a variety that were poor layers. Let us say to such a man, that if he would pay more attention to the feeding of his fowls and less attention to the breed he keeps, he would soon have to hire a cheap hand to help gather the eggs. Some hints—to do their best, hens must have an abundance of green stuff and a liberal supply of animal food, and it's in the failure to furnish these two foods that many of us fall down in the attempt to produce eggs at a profit. Corn, wheat, corn, wheat, corn, wheat, and nothing else does not fill the egg basket and it's unfair for us to condemn the biddy, when yarded, for not laying better. Until we have attempted to furnish her at least a part of the variety she would get if running at large, now it's not so difficult to do this as you might think, a little planning before hand, followed up by fully executing these plans and we find it easy to satisfy biddy. Now let's see, what does biddy like in its season, and can it be easily and cheaply produced. For early green food, lettuce, easily and quickly grown is of the very best of green foods, needs no preparing, as the hens soon prepare it if they can get hold of it. Toma-

toes easily grown and is greatly relished by the confined birds. (And, well, yes, we notice those running at large hang around the tomato vines a good deal watching for the red color to appear when the swiping of tomatoes begins by her majesty at once.) They, especially the larger sorts yield heavy and the coming on and ripening of these vegetables gradually permits of the feeding every day or two, a good feed from its vines, and after you feed them once you'd understand whether they like them or not. By planting early and late vines our biddies can have tomatoes all summer. Red clover, alfalfa, cabbage are all excellent and are easily grown, and cheap and if near to some cabbage grower, one can usually procure imperfect heads for the carrying away, or at least for a trifle. In the North when the ground freezes, these poor cabbage can be turned roots up on the grass, and fed as needed during winter, of course they freeze but the ground draws the frost out and they keep that way to well towards spring. Then another source of green food which is excellent, but not general in use is the common field pumpkin, easily grown in the corn field, in large numbers and stored in cellar or kept in the barn well into winter, furnish one of the best green foods. Just put a half a pumpkin in your chicken house and go back in a half hour and see what it looks like. Well, if you find it at all it will just be the rind and that goes next, for they will work away at it until every vesuge of it has disappeared. Pumpkins, while excellent food for poultry must be fed sparingly at first as it tends to loosen the bowels, until the fowls get used to it. They should be fully ripe for feeding, as in a green state there is little good in them, of course for winter use sprouted oats are fine, but it is not always economy to use them when these other materials can be provided so cheaply. Animal foods while just as important perhaps as the green foods is not so easily provided at all times of year and owing to this difficulty it is likely that commercial beef scraps is the most economical form in which we can supply the animal food, but it stands us in hand to know what we are buying in this line, for, how easy, oh! how easy, to buy poorly cured or spoiled goods and start disease in a hurry.

Some things we should remember, never buy poor grain for the chickens, because it's cheap, don't buy what we can produce ourselves, plan before hand to get on hand for winter what we know we must have, feed more bulky food and less rich constructed food, cut out medicine by the rule of prevention, if your fowls do not eat good you are over feeding them or else there is some one thing they need that you are not providing for them. With our fowls yarded where we must provide all they consume, the one word to keep uppermost in our minds is variety.

EVERYBODY CAN CANDLE EGGS.

Uncle Sam's Colored Chart Will Help You Tell How Fresh They Are.



ENABLE farmers and housewives to test eggs before a candle and tell accurately their condition before they are opened, the Department of Agriculture has just published a colored egg-candling chart. To give a true picture of the eggs, twelve impressions were necessary to produce this lithographed chart.

This chart shows the eggs in their natural size as they appear before a candle, and also as they look when open in a glass saucer. The pictures include an absolutely fresh egg, slightly stale eggs,

decidedly stale eggs, eggs with yolks sticking to the shell, eggs where the chicken has developed so far that blood has been formed, moldy eggs, addled eggs, and eggs with a green white.

Comparatively few housewives are aware that a green color in the white of eggs is due to the presence of billions and billions of a certain species of bacteria that make a green coloring matter. Eggs with this greenish tint, even though the yolks seem to be perfect, are not fit for food.

As long as the Department's supply lasts, these charts will be furnished free upon application to the Editor and Chief, Division of Publications. Commercial shippers of eggs, however, should apply for Departmental Bulletin 51, a technical paper on testing by scientific methods not available to the average farmer. This bulletin includes the colored illustrations. This chart alone will be found to be not merely of great service to the housewife wishing to test the eggs she is to serve to her own family, but also of commercial value to farmers,

country merchants, or egg shippers who wish to buy and handle eggs on an accurate quality basis.

The great spoilage of eggs in this country is due to bad handling and is quite unnecessary. Part of the remedy is to teach everybody, from the farmer to the consumer, how to tell the quality of an egg without breaking the shell. The country buyers, the middlemen and the housewife judge of the quality of the inside of a cucumber or an eggplant, or any other vegetable, by the appearance of the outside and the firmness of its texture. It is not possible to tell the quality of an egg by looking at the shell, though it is safe to say that the eggs with shiny shells are apt to be aged. A fresh egg looks as though it had been dusted with a very fine powder; the "bloom," as the egg men say. But in order to know what is inside the shell the egg must be held in front of a strong light, such as an electric bulb furnishes, which comes through a hole about 1¼ inches in diameter. The room must be dark. When the egg is held close against the hole the bright light renders its contents visible, and the quality is indicated by the appearance of the yolk, the white and the air space at the blunt end. There are many egg "candles" on the market, but the housewife can easily make one for herself by cutting a hole in a small paste-board box, which is slipped over an electric light bulb. If gas or an oil lamp is the source of light, a tin box or can should be used.

CAPON DAY.

By George Beuoy, Cedar Vale, Kans., President Kansas State Poultry Federation.



IT IS becoming a common occurrence once each season to have "Capon Day" in many poultry sections. Hundreds of letters are reaching me asking me for information on arranging a program for "Capon Day." As the object of this meeting is to find a profitable way to "Swat the Rooster," it is best to arrange with some one that is familiar with caponizing to give a short talk and demonstration on live birds. Caponizing has become so profitable and popular in the last few years that in almost every com-

munity there is some one that can be had for this purpose. It is always best to get a local party to do this if possible. In the last few months I have lectured and given demonstrations at more than a hundred towns in Kansas, Missouri, Oklahoma, Arkansas, Texas and Louisiana. These "Capon Day Meetings" were all well attended, in fact, at many of them there were several thousand people in attendance. All together I am sure that I have explained and demonstrated exactly how to make a capon to more than one hundred thousand people in the year just passed. Many of these "Capon Day Meetings" were gotten up and the expenses paid by the Farmer's Institutes. I had more calls from this source than I could fill. Over in Missouri in connection with their series of field meetings the capon lecturers and demonstrations were featured and the necessary expense paid by the Missouri State Poultry Board. That Prince of poultrymen "T. E. Quisenberry" arraigned and planned the series of nine meetings in his principal poultry sections. The result was a big crowd in attendance at every meeting. I am certain that there was over two thousand people at every meeting and as many as five thousand at several. At Mountain Grove where the Missouri State Experiment Farm is located, the public schools were closed so that the pupils could attend the meeting. At that place I had several hundred children to show and instruct about making capons. Down in Wayne county in South East Missouri the county Superintendent ordered every school in the county closed so that the teachers and pupils could attend the poultry meeting. The superintendent was on hand himself to see that they were all there and properly instructed. So much interest was stirred up at this meeting that a representative of the K. C. S. Ry., who was at many of the meetings arranged for a special demonstration train over his lines and one car was fitted up for the poultry exhibit, and a large display of capons was featured. I was placed in charge of that car and gave the lectures and demonstrations at twenty-six towns on that system between Kansas City and the Gulf. At every place I met several men and ladies that were just as expert at making capons as I or any one else and could have given the talk and demonstration on the subject equally as well. So I am convinced that a "Capon Day Meeting" can and should be arranged in every poultry growing section this fall. Modern conditions demand modern methods and capon-

izing is the only modern profitable way to "Swat The Rooster." Get busy and arrange for a capon day. Have a bunch of birds and have them in condition and of the proper size and condition to work. Select little roosters that are about like a quail in size or appearance. Get them before the comb and wattles begin to redden up or develop. Have them off feed for at least thirty-six hours, during that time be double sure they do not have anything to eat or drink. These two things are very important in making capons. If they get anything to drink they will be sure to bleed. If they do not drink they will not bleed. If they eat you will not have room to do the work. So be sure to keep food and drink from them for thirty-six hours. This will be no hardship to a chicken as nature has provided him with a crop for carrying a supply of food and water that it takes nature thirty-six hours to exhaust. Good results cannot be expected if the operation is performed while food or water is in his system. It is not necessary to have anyone to show you how to caponize. I believe the average person will learn it quicker and better to get out by themselves and commence on a dead bird. One that has just been killed to eat and practice up in that way. Follow the instructions that come with the tools that you must have to do the work with and anyone can do it. Many people are slow to take up anything of this kind and until they have seen someone do the work and realize how simple and easy it is they will not get started. Hence the value to the community of a "Capon Day." I am getting a lot of letters from people that started last year after attending a "Capon Day Meeting." I have a letter before me from J. J. Slattery, of Wichita, Kan., where I gave a lecture and demonstration in connection with the Kansas State Poultry Show. Mr. Slattery says: "1913 was a very good year for capons considering the fact that this was the first year that caponizing was done to any great extent. Personally I caponized 927 birds and from that number I only lost 16 and two of them from not getting the proper care after the operation. They were let run with old hens and to make it worse there were two old roosters in the same pen. It was lucky that they were not all killed. As you know they should have been kept in a pen to themselves for a few days right after the operation. Out of the other 912 I only had two "Slips" to develop. Can you beat it? I feel proud of the record and I think the instruments you recommend are the principle if not the main reason for that good record. Now about the profit made on capons. They are a new thing here and the local buyers did not know what they were worth, the best they would offer was 14 cents per pound live weight. But I found a market for all the capons I had made. I just called up the wealthy people on the phone and explained to them what a capon was and that they should just try one. In that way the first day I got 14 orders for capons. The people that bought them liked capon so well that they came back for more and told their friends and in that way I was able to sell all the capons that were for sale. I charged the people who raised the capons twenty-five cents for my trouble and everyone was satisfied. I sold the capons for twenty-five cents per pound, live weight which we considered a very good price as they averaged around ten pounds each. I saw a little farther ahead however and did not sell any of my own capons until last month (March) and then sold them for three dollars each to be used as brooders and was not able to furnish half enough at that price. I know that my capons made me a net profit of more than a dollar and a half each (\$1.50) anyone can do just as well as I did. It is "pie" to sell capons as foster mothers; people sure want them. From present indications, 1914 promises to be a better year for capons than 1913. As everyone here that is raising chickens is planning for a few capons this season. Mr. Slattery's of building up a local demand for plan capons is a good one. Emory McClung, Bridgeport, W. Va., writes that capons are bringing 35 cents per pound at his town. He states that they commenced making capons there three years ago and the demand has become so good that the price has gone up accordingly. Richard Butler Produce Co., Kansas City, Mo., have just written me that they wish to contract for five hundred young capons alive to be delivered in October, this year and they will agree to pay 18 cents per pound for them in five hundred lots or less. They wish young capons so that they can feed them out themselves. Three years ago most of the capons produced were made and grown in the Eastern States. Now the conditions are changed and Missouri, Kansas and Oklahoma will this season produce more capons than all the Eastern States combined. I have the proof to convince anyone that will take the trouble to investigate the truth of that statement. Capons are the most profitable part of the poultry business, and they have come to stay, arrange a "Capon Day Meeting" and help get your share of this food business.

SUBSCRIPTIONS—One year 50c. Three years \$1.00. Foreign subscriptions 75c. In order to start with current number, the subscriptions must be received at the office by the 10th of the month.

PUBLISHERS' ANNOUNCEMENT—All manuscript and copy for change of advertisements should be in our hands promptly by the 10th of the month preceding date of issue. **THIS IS IMPORTANT.** New business can be accepted as late as the 25th of the month, but special position cannot be guaranteed.

CORRESPONDENCE—We cordially invite letters and articles from all our readers on any subjects of interest or value to the poultry industry. Send in some matter; your experience and observations may be just what some one may be looking for and save them from mistakes and losses you have suffered in the past. If you have something to tell our readers, don't fail to send it in. This is your journal; make good use of it and help to make it useful to others.

THE INDUSTRIOUS HEN

With which is consolidated Poultry Ideas, Louisville, Ky., Tennessee Poultry Journal, Lebanon, Tenn., The Poultry Review, Bustleton, Pa., and The National Poultry Breeder, Owensboro, Ky.

PUBLISHED BY
BLAIR-YOUNG PUBLISHING CO.
Incorporated
American National Bank Building
LOUISVILLE, KY.

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OFFICERS AND DIRECTORS
COLLINS YOUNG, President and Manager.
J. GAYLORD BLAIR, Secretary-Treasurer.
THOS. J. KNIGHT, Vice President.

EDITORIAL AND BUSINESS STAFF.
J. GAYLORD BLAIR, Managing Editor. EDW. M. GRAHAM, Associate Editor.
F. A. GOODLIN, Traveling Representative.

WE ALWAYS STOP THE MAGAZINE at the expiration of the time paid for unless a renewal of subscription is received. Those whose subscriptions have expired must not expect to continue to receive the magazine unless they send the money to pay for it another year.

MISSING NUMBERS—It occasionally happens that numbers of our magazine sent to subscribers are lost or stolen in the mails. In case you do not receive any number when due, write us a postal, and we will cheerfully forward a duplicate of the missing number.

AGENTS WANTED—We want agents to secure subscriptions. Liberal terms and outfit sent on application.

ADVERTISING RATES—\$1.50 an inch. Three per cent discount allowed if paid within ten days after insertion of advertisement.

CLASSIFIED RATES—2½ cents a word per issue; two cents a word if advertisement runs six months or longer.

BUSINESS GOOD IN THE SOUTH

Cleveland Tennessee, July 16th, 1914.

J. Gayford Blair,
Louisville, Kentucky.

Dear Mr. Blair: You will find check for advertisement to date, enclosed. I want to say the poultry business is on the boom. There never has been such a demand for laying hens as there is at this time. I could sell every hen on the White Hill Farm at a good price now, but my trade begins August 10th, for eggs for hatching, and I am to ship to one party from August 10th, to January 25th from 1500 to 2000 eggs per week, at what I call a fair price. I predict and have good reasons for so doing that market eggs will sell higher next winter. Everyone who is inquiring for layers want to know that they are getting a strain of birds that are bred well up to the standard requirements, and eggs production. Also we must keep our business before the public, letting the people who read the poultry journals know what we have for sale, for there are enough prospective buyers to purchase every good laying hen in this country that is for sale if they only knew what they were getting, and where to get it.

I for one am expecting the coming season to be the banner season for selling eggs and stock, so let us keep awake during the dull season, and be ready for our part during the rush. I am expecting great things. Yours truly,
A. J. LAWSON.

WE HAVE received many letters during the past three months from Southern breeders who report the same conditions as Mr. Lawson. This leads us to believe that the conditions in the South will be good during the next twelve months. Prospects were never brighter for big business than now. People in the South are just realizing the opportunities the poultry industry offer them and more and more are taking up the breeding of fancy poultry both for exhibition and market purposes.

It is very gratifying to receive such nice encouraging letters from our advertisers and this leads us to believe stronger than ever that the Industrious Hen is the best advertising medium in the South. The way we can judge this is to look over the many letters we have received during the past six months from breeders who have been using The Industrious Hen for the past ten years. If you are a breeder in the North,

South, West or East you should be advertising in The Industrious Hen and get your share of this big business in the South. The buyers are here in the South but you cannot reach them unless you use a medium that has a Southern circulation and a Southern paper that reaches every live buyer in the South. Don't think that the other paper circulates where the Hen does for it does not. The Industrious Hen is an old established paper in the South and will get you splendid results and bring your share of this big Southern trade.

U. S. DEPT. OF AGRICULTURE.

Bureau of Animal Industry.

Local Office

Lexington, Kentucky, July 8, 1914.
Editor The Industrious Hen,
Louisville, Ky.

Dear Sir: In this State we are making a special effort to improve conditions in the poultry industry. The farmers as a rule are far behind the advancement made elsewhere in the improvement of farm poultry.

The United States Department of Agriculture in cooperating with the Experiment Station is now working among the boys and girls organizing poultry clubs in the various school districts. The enclosed bulletin will give you an idea of the work. During the past few months twenty-five clubs have been formed with an enrollment of nearly four hundred, including about fifty adults. The work is being favorably received, both by the children and their parents. Now in order to hold the interest of these children until they can fully realize the benefit to be derived, it is necessary that they be given some encouragement. They will exhibit their chickens at the local shows and I wish to secure as many prizes as possible. Poultry magazines are unknown in many sections, and I feel sure that subscriptions to first-class ones, would be just the thing to offer as premiums, and anything that you can do to help the work along will certainly be appreciated. A subscription or subscriptions to your publication, The Industrious Hen, or gifts of any of your publications would be very acceptable. Yours very truly,
H. W. RICKEY,
State Agent Poultry Club Work.

THE Department of Agriculture is doing a great work in this State as well as other Southern States and it is our desire to cooperate with them in every way possible. We long ago realized the good that boys and girls Poultry Clubs would do the indus-

try and we are certainly glad to see the Government working with us in the South in order to increase this rich industry.

In the above letter from Mr. H. W. Rickey, State Agent in the Poultry Club work you will note that he has organized twenty-five clubs with membership of nearly four hundred. In the next few months we hope to see this number doubled. The poultry industry in the South today means much more than the average farmer would think, last year Kentucky produced something like \$15,000,000.00 of poultry and eggs while Missouri produced \$40,000,000.00. Just as soon as we can get the farmers to realize the opportunities the poultry industry offers them we will have no trouble in bringing Kentucky to the front as a poultry producing State. To bring the farmers in touch with this rich industry the Government has taken the right steps.

This work is not only going on in this State but they are pushing it in Tennessee, North and South Carolina, Virginia and West Virginia, Georgia, Alabama and Mississippi. This work will mean a lot to the entire South in the future. This is a new field and members of these clubs are sure to be prospective buyers of pure bred stock and eggs and the breeders who get before them we are sure will get more than their share of the business. We are ready to cooperate with the Government in this work and will be glad to devote a part of our reading pages each month showing the progress made throughout the South.

HOTEL SHERMAN'S NEW DEPARTURE.

Skating on Real Ice Assured for All Summer at the College Inn.

Everybody in Chicago knows about College Inn. It is a chief feature of the famous Hotel Sherman and is the daily resort of a crowd of Chicago citizens. It was a new thing when inaugurated, but even new things get stale after a while, and anything which is the least

off the edge and is not as fresh as the dew in the morning is not up to the Hotel Sherman standard.

Just to keep the College Inn as fresh and bright as a June rose, the management has converted it into something else, without any sacrifice of its original character. The College Inn is now an ice palace, which makes the Montreal original look like an imitation, since there is the same difference between the Montreal and the Chicago samples as there is between the metropolis of French Canada and the second city of the Western Hemisphere.

On Saturday morning, the 13th inst., the ice in the Inn was frozen for the first time, following advertisements published in the Chicago papers notifying the whole city of the opening of the skating rink on the evening of that day. Naturally, this extraordinary announcement produced a sensation. The whole town was talking about the ice palace in the College Inn of the Hotel Sherman and voted it the biggest thing ever pulled off in the Middle West metropolis. From an early hour in the day a string of people swarmed into the College Inn to see whether the hotel management was going to have the real thing, and when they found that the stuff was genuine, they were surprised, although they had come to the spot expecting to see what they had read about. It is a common trait of human nature to be surprised at finding in front of you the thing which you are looking for and expect to see.

That afternoon there was a genuine skating rink in the College Inn, and the innovation was greatly appreciated by the public. There are one thousand square feet of ice and continuous exhibition and athletic contests will be held every evening from 6:30 until 1 o'clock. Some of the talent engaged for the opening last Saturday came from the famous Ice Palace and the Admiralist Palace in Berlin. The American Skating Associations in Chicago have taken an interest in this new departure and will hold athletic contests of every description in the inn nightly. The ice hockey rules have been modified to fit a smaller area and a contest will be engaged in every night.

The tank was built in on the floor of the College Inn and contains about 3,000 feet of ammonia pipes, which, in addition to freezing the ice, assist greatly in cooling the room. The pipes are connected with the hotel refrigeration plant, which is amply large to take care of this addition to its regular work.

It is quite superfluous to add that business at the Hotel Sherman has been good all this year and the management anticipates an active summer.

NOTES AND COMMENT.

By D. K. McBrayor.

Chicago. Thirty-ninth annual meeting of American Poultry Association, Aug. 9 to 15. Make your plans to attend if possible, it will do you good to meet several hundred of the country's most progressive poultrymen.

Don't use closed coops and colony houses these hot nights. Keep the front open except for a wire netting to protect against night marauders. We like plenty of fresh air ourselves, so do the chicks. And do not crowd them either.

Provide plenty of shade to protect your growing youngsters from the burning August sun. They are "layers" and "winners" in the making. They need your best attention. Will they get it?

The unfavorable weather last spring has caused a shortage in the crop of early chicks. In fact many poultrymen have only about two-thirds of their usual number. The result will be a high price for eggs and chicks this fall.

Give your birds plenty of exercise. Exercise creates an appetite, develops bone and muscle, keeps the mind and body occupied and prevents the forming of bad habits.

Stop the small leaks, they are what eat up all your profits.

Massachusetts has passed a new law regarding the theft of poultry. The new law provides for a fine of \$200.00 and imprisonment of two years whether one chicken or a hundred be stolen. Many of our Southern States would do well to pass a like law, then probably there would be less trouble among our chickens at night.

After two or three dull seasons in the poultry business, there seems to be better times ahead. Business is picking up greatly and we predict that the season of 1914-15, will be a great one for the poultryman who is up and doing.

Another month and the fall Fairs will be upon us. Are you preparing to send, or better still, take a few of your best birds? If not you are missing a lot of mighty good advertising for your business. The fall Fairs are a good place to make sales, for here we see many people who are not to be found at the winter shows. Will you let this golden opportunity pass up? Not if you are one of the real live ones.

The early birds are sufficiently developed now that we may begin to pick out the most promising ones, these we should separate from the flock, and give special attention. Give the best of foods. Handle them often, and get them gentle. You will be glad for it when the "Blue" ribbon goes up on one of your favorites at the show. It takes

this to win. The other fellow is getting ready to give you a battle royal, will you be ready to meet him and come out on top? If so get busy now.

Editor Standish of "The poultry Index" is getting a lot of advertising out of a series of editorials. "What's the matter with the American Poultry Association." Editor Dwight Hale of "The Successful Poultry Journal" has given a lot of space in replying to Mr. Standish, in which he accuses him of being a "knocker" and probably an "office seeker." Whereupon Mr. Standish comes back strong in the July "Index," replying that he had rather be a "knocker" if standing up and asking the question: What's the matter with the A. P. A., be termed "knocking," than to be a sycophantic "Me-to" to any boss or so-called clique.

Forget it all boys. Go to Chicago and enjoy the fine entertainment offered you there, and help lay the plans for a bigger and more helpful A. P. A. in 1915, than ever before.

Now is a good time for the man who needs a pen or more good birds to buy them at a greatly reduced price. Many poultrymen are forced to close out their this seasons breeders, to make room for their growing stock, and in order to do so will give you a bargain, such as you would not be able to get at any other season. If you are in need of better, or more birds now is your chance.

MEYER'S

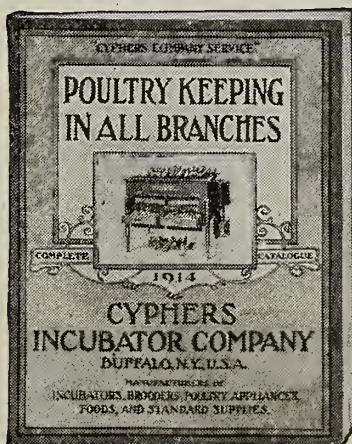
Champion Strain of Black Langshans have been winning at America's best shows in the last few years. Eggs the rest of the season at one-half price. Write for free circular which tells all about them. Yours for better Langshans.

W. A. MEYER,

Bowling Green, Mo.

S. C. ANCONAS FOR THE BEST BLACK LANGSHANS

See my stock or write for catalogue; winners at Madison Square Garden, Grand Central Palace, Philadelphia, Augusta, Ga., etc. Stock, eggs, baby chicks at reasonable prices. E. P. HICKS, Box 334, Bound Brook, N. J.



244-Page Poultry Book FREE for the Asking

Tells you just what to do in every phase of the poultry business. Eliminates your troubles. Insures success. Cyphers Company "Poultry Keeping in All Branches." Written by poultry experts, based on actual experiences on Cyphers \$75,000 Poultry and Demonstration Farm. It's like a friend right at your elbow at all times, giving advice, counseling and pointing the way to certain money-making success. This book lists, shows pictures, describes and prices poultry supplies to cover every possible need.

Everything for Poultry Keepers

Incubators	Chick Food	Short-Cut Alfalfa
Brooders	Developing Food	Mealed Alfalfa
Hovers	Growing Mash	Full-Nest Egg Food
Chick Shelters	Fattening Mash	Soft Charcoal
Brooder Stoves	Scratching Food	Poultry Remedies
Leg Bands	Fertile Egg Mash	Napreol (Disinfectant)
Caponizing Sets	Laying Mash	Anti-Fly Pest
Egg Preservative	Roosting Paper	Bone Cutters
Fumigating Candles	Spray Pumps	Chick Markers
Drinking Fountains	Powder Guns	Bone Mills
Grit & Shell Boxes	Wire Fencing	Root Cutters
Food & Water Holders		
Pigeon Supplies		
Lice Powder		
Roost Supports		

Ask for books, "Poultry Foods and Feeding," and "Cyphers Company Doctor Book." Sent FREE with the big 1914 book. Write today.

Cyphers Incubator Company

Dept. 13

Buffalo, N. Y.



Under this heading "Pick Ups Here and There," we will give our readers each month clippings from our exchanges that we think will interest them.

HOW TO ADVERTISE.

THERE are many breeders who give little thought to advertising until the season is far advanced, but such a policy is unwise and the result of delay is often times failure. The breeder who uses small space is the one who above all others should take advantage of every opportunity to get before the public and build up his business, and the summer and fall months is a most favorable time to build up his business for the future. Breeders who are just starting with a publication, those who have advertised but little are somewhat of a disadvantage as compared with the older fanciers who have been advertising for years and who have made a reputation for themselves and established a paying business. It requires time to gain the confidence of the buying public and for this reason the beginner and small advertisers who are anxious to secure their share of business during the coming season should begin right now to get in their work.

The advertiser who goes after things vigorously now will reap the benefit later on because many buyers are looking around now for stock that they expect to secure after awhile and many of them make up their minds from a study of the ads which appear during the next three months. But aside from the advantage of securing future business the present advertiser gets all the trade to be had during the late summer and early fall. The volume of this trade is greater, too, than many breeders suppose. There is a great deal of both young and old stock bought for showing at the fall fairs, and this class of business is very profitable because it takes the stock off the seller's hands at a time when he is most anxious to dispose of it. Most breeders are willing to sell stock at lower prices now than they ask after the winter shows have begun, and many people take advantage of this and buy stock during the next two or three months and hold it till show time.—Ex.

BEGINNERS SHOULD LEARN.

A MISTAKE at first is sometimes beneficial, as it teaches the beginner what he should avoid. Nearly all who engages in poultry at first have their own ideas and peculiarities. They are willing to accept advice and learn, but they have some plan or invention on which they have depended, and until it is tested the beginner will not be satisfied. The result is usually that a mistake is made, and one which could have been avoided if the beginner had considered the fact that hundreds of others had also been "discoverers" of old and abandoned methods before him. The most experienced persons, however,

make mistakes, and they profit by them. When one is determined to succeed, and seeks assistance or advice, the object should be not so much to learn what should be done as what not to do. As a rule, there is too much done for poultry by beginners. They make their hens too fat, waste feed and devote more labor than is necessary. When one has found out how to avoid mistakes he will have passed through the most difficult portion of poultry management, and may learn how to improve and increase the profits.

GOVERNMENT COLOR PLATES SHOW EGG GRADES BEFORE CANDLE.

EIGHT unusually fine color plates showing the exact appearance of various grades of eggs before the candle and after opening are included in Department Bulletin 51, of the U. S. Department of Agriculture, Washington, D. C., entitled "A Bacteriological and Chemical Study of Commercial Eggs in the Producing Districts of the Central West."

This bulletin is the first of a series reporting the scientific work which is being done by the Department of Agriculture for the purpose of utilizing all of the eggs that are suitable for food purposes and for discarding those that are not desirable as human foods. Heretofore many eggs have been frozen or dried which is undesirable and thereby injured the product. At the same time eggs which could have been used by the people were discarded. A very careful study has been made of market eggs both in the laboratory and under

commercial conditions. The bulletin records the findings and will enable those who are grading eggs to do so more intelligently, helping them to save those which are available for food and to discard accurately those which are not. The bulletin will be sent free on application the Division of Publications as the Department's supply lasts.

THOMPSON'S ROSE COMB REDS

Rose Comb Reds are good. Thompson's are better. They lay—hence they pay. A lot of fine young stock for sale. Write for prices.

D. MATT. THOMPSON,
Box B. Statesville, N. C.

CHAMPION BARRED ROCKS

I have a grand lot of cockerels and pullets ready to win at your county or State fair; descendants from my Indianapolis, Kentucky and Tennessee Fair winners. 25 good hens at \$1.25 each, if sold this month.

A. G. CALLOWAY
R. F. D. 22 Louisville, Kentucky

LOYD'S PRIZE WINNING PARTRIDGE ROCKS.

Eggs at reduced prices after May 10th. Our birds have been big winners at the big shows for years.

C. J. LOYD & SON Greensburg, Indiana

S. C. WHITE LEGHORNS

If you intend introducing "new blood" write me. Fifty yearling hens for sale at \$2.00 apiece.

ADAM FISHER, CHARLOTTE, N. C.

See "BUCKEYE"
The

Guaranteed to hatch every hatchable egg. Over 325,000 in use. Send for Catalogue and dealer's name where you can see one and how it works.
The Buckeye Incubator Co.
525 Euclid Avenue Springfield, Ohio

SOLD AS LOW AS \$10.00



"NEVER TOO LATE TO MEND."

Give the wonderful Magic Egg Tester a trial. Money back if desired. Picks out the best eggs to set or incubate. Rejects the eggs that cannot be hatched. \$2.00 each. Fully guaranteed. Write for circular and time given for trial. Also ask how to get it on the Rental Plan. Magic Egg Tester Works, Dept. G Buffalo, N. Y., also Bridgeburg, Can.



"PITTSBURGH PERFECT" FENCING

NOW MADE OF OUR NEW, GENUINE

DOUBLE GALVANIZED WIRE

Our new galvanizing is heavy, smooth, flexible. It won't crack, flake, chip or peel off. It adds years of life to "Pittsburgh Perfect" Fences over any fence you have been able to obtain before now. This means money in your pocket and complete satisfaction.

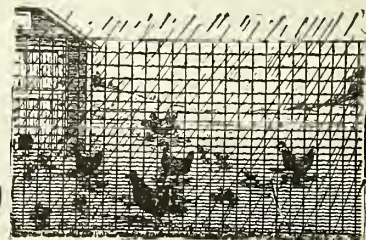
"Pittsburgh Perfect" Fences are greatest in STRENGTH, DURABILITY, ECONOMY, because they are made of tough, strong, durable Open Hearth wire, double galvanized, every joint WELDED BY ELECTRICITY. Easiest to erect. Look best. Sold under a positive guarantee. Cost no more than ordinary wire fencing. Ask your dealer for "Pittsburgh Perfect."

Write for new catalogue (sent free). Full of valuable fence information.

PITTSBURGH STEEL CO., PITTSBURGH, PA.

New York Chicago Duluth St. Louis Memphis Dallas

Manufacturers of "Pittsburgh Perfect" Brands of Open Hearth Steel and Wire Products.





If you are Secretary of your Specialty Club, Poultry Show or Association, be sure to send in your news each month for this department. We will gladly publish same free for you. Also let your members know what the Club and Association are doing. Keep them posted.

Show Dates.

Muskogee, Okla., Fair—Oct. 5-11, 1914. C. P. Van Winkle, judge; S. J. Anderson, superintendent.
 Dallas State Fair—Oct. 15-30. Walter Burton, superintendent, Arlington, Tex.
 Lake Charles, La.—Nov. 23-28. H. K. Ramsey, secretary.
 Shreveport, La.—Nov. 4-11, 1914. Louis N. Brueggerhoff, secretary; McCord, judge.
 Honey Grove, Tex.—Nov. 17-19. W. E. Morris, secretary; R. A. Davis, judge.
 Hot Springs, Ark.—Nov. 16-21. W. W. Waters, secretary.
 Arlington, Tex.—Nov. 17-19, 1914. C. P. Van Winkle, judge; W. J. Pulley, secretary.
 Muskogee, Okla.—Official show Oklahoma State Poultry Federation, Nov. 30 to Dec. 5. A. G. Harmon, secretary; Van Winkle, Keeler and Dipple, judges.
 Austin, Tex.—Dec. first week. Mrs. M. D. Carr, secretary; Hutchison, judge.
 Austin, Tex.—Dec. 2-5, 1914. Mrs. M. D. Carr, secretary.
 Hollis, Okla.—Dec. 3-5. B. B. Bell, secretary; A. T. Modlin, judge.
 Cleburne, Tex.—Dec. 8-11, 1914. C. P. Van Winkle, judge; Edwin S. Clayton, secretary.
 Alexandria, La.—Dec. 9-13, 1914. C. P. Van Winkle, judge; W. H. McCrackin, secretary.
 New Braunfels, Tex.—Dec. 10-13, 1914. Alex Forke, secretary.
 Rockdale, Tex.—Dec. 16-19. Mrs. D. H. Sanford, secretary; Walter Burton, judge.
 Fort Worth, Tex.—Oct. 10-17. Emmett Curran, secretary, North Fort Worth.
 Houston, Tex.—Nov. 9-14. J. W. Good, secretary.
 Stamford, Tex.—Nov. 25-28. Bruce Meadows, secretary; Walter Burton, judge.
 Jennings, La.—Nov. 24-28. H. Floyd Midkiff, secretary; C. P. Van Winkle, judge.
 Stephenville, Tex.—Nov. 26-28. W. T. Graves, president.
 Memphis, Tenn.—Sept. 28 to Oct. 3. Martin F. Schultz, secretary, Bartlett, Tenn.; Branch and Stamer, judges.
 Amarillo, Tex.—Dec. 3-8. Dr. R. D. Gist, secretary; Walter Burton, judge.
 Magnolia, Ark.—Columbia County Fair, Oct. 14-17. Elmer Davies, Jr., superintendent.
 San Antonio, Tex.—Nov. 3-8. Geo. Loessberg, secretary, Postoffice Box 497; H. B. Savage, judge.
 Mountain View, Okla.—Dec. 16-19. Paul A. Parnell, secretary; C. A. Emry, judge.
 Hutchison, Kan.—Jan. 5-9, 1915. W. B. Powell, secretary; D. T. Heimbich and J. J. Atherton, judges.
 Lake Charles, La.—Nov. 23-28. H. K. Ramsey, secretary; C. P. Van Winkle, judge.
 Corpus Christi, Tex.—Jan. 14-16, 1915. L. E. Thom, secretary.

Kentucky State Poultry Show.

Mr. Theodore Wittman of the Pennsylvania State Department of Agriculture, is to judge at the Kentucky State Poultry Show, to be held at Lexington the first week in January. This Show, last year, contained over 400 first class birds. Nice, new coops have been purchased for this show, and the birds are placed in them as soon as they arrive at Lexington. The show is held under the supervision, and is financed by the Ky. Agricultural Experiment Station. Everything is being done to make this a first class exhibition. Catalogues will soon be issued and prospective exhibitors should write for them immediately. Also, a bulletin relating to the poultry work at the Station is ready for free distribution. Mr. Wittman will lecture to the poultrymen while he is here. He is an official judge of the American Poultry Association, and is considered one of the greatest poultry experts in America.

The South's Leading Poultry Show.

The premium list of the Tri-State Poultry Show to be held at Memphis, Tenn., in connection with the Tri-State Fair, September 28th, to October 3rd is ready for distribution and contains many new and progressive features. This show pays the money offered—that is—the classes do not have to fill—if one exhibitor shows first money is paid. Another valuable feature is that the Sales Department will be in the hands of an expert salesman who knows the chickens and who has spent a lifetime selling, and knows how. This service is free to all the exhibitors whether they accompany their birds or not.

Hundreds of dollars offered in specials in addition to the regular prizes—at least sixty handsome silver cups—gold leg bands, beautiful medallion ribbons for grand champions—gilt bar pins—regular ribbons—daily lectures and stereoptican views by eminent professors showing the advance of the poultry industry and many other valuable attractions are awaiting you.

There are no better judges than those we have selected. For seven years we have paid the premiums before the close of the show and best of all you are exhibiting your birds in a section of the country where the demand for high class stock and eggs has always exceeded the supply. Send your name now to the Tri-State Poultry Association, Memphis, Tennessee.

"On To Buffalo."

"On to the Greater Buffalo Poultry Show" will be the slogan of poultrymen the coming season. The splendid success of the last year's show and the standing of the men behind the show has established the Greater Buffalo Poultry Show as a national exhibition.

Thirty millions of people are within twelve hours ride of Buffalo making it convenient for a large number of exhibitors and buyers to attend. All of the leading express companies enter the city, enabling the exhibits to be shipped direct to the show room without delay or transfer. Buffalo has every requirement as a city for holding a national Poultry exhibition. C. S. Wetmore, a prominent White Wyandotte exhibitor says "judging by last year's show and my knowledge of the plans for your coming exhibition, the 1914 Greater Buffalo Show will be one of the four big national shows of the United States and being an early show, Thanksgiving Week, it will be one of the best exhibitions for selling stock."

The Alabama State Fair Poultry Show at Birmingham, Ala. will be the premier event of the State this year. Superintendent Dr. Hal. F. Halstead informs us that he has secured the services of Judge J. H. Drevstedt who is too well known to need any introduction from us, this show is backed by the Business Mens League, and is one of the best known shows in the South, this is the fifteenth year they have been before the poultry public. October 1 to 9 is the date.

The Cumberland White-Egg Runner Club.

Third annual meeting will be held September 1, 1914 at the Poultry Building, State Fair, Syracuse, N. Y. The first session will be held at 11 a. m., and another in the afternoon. The club has had a very successful year and done more to advance the cause of the true Runner Duck than all other agencies combined. A good attendance is requested and an interesting meeting promised. Any new members may join and will be welcomed. Initiation and first year's dues \$2.00.

C. S. VALENTINE, President,
Ridgewood, N. J.

THOM BROS. QUALITY BUFF AND PARTRIDGE ROCKS

Winners at Hamilton, Ohio; Springfield, Ill.; Cincinnati, Chicago, Indianapolis and other shows. Won twenty-two silver cups in hot competition. Eggs now one-half price. R. D. No. 3, Fountaintown, Indiana.



Barred Plymouth Rocks

Eggs and Baby Chicks

We are now selling eggs from our prize winners of the Chicago, Indianapolis, Memphis, Louisville, Knoxville and Nashville shows at less than half price. They are the same eggs we sold this spring at our regular prices and they are from the same birds we are raising all of our own exhibition stock.

Eggs \$1.00 per 15 \$5.00 per 100

We also offer exceptionally low prices on our surplus breeding stock and as long as they last will sell our best breeders at the closest possible figures. If you are interested in fine Barred Plymouth Rocks, write us and we will send you one of the finest catalogues published of this breed. Write today for 40-page catalogue No. 2

POPE & POPE, Box H

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QUALITY FEEDS



This department is conducted by the J. A. Thornhill, New Decatur, Ala. If your birds are sick, write him; he will tell you through this department where your trouble lies. If you want a personal reply, send stamped envelope.

Bumble Foot.

Editor The Industrious Hen,
Louisville, Ky.

Dear Sir: I have a Rhode Island Red cock bird that has a swollen foot and at times he can hardly walk on it. It has been more or less swollen for the past six months but now it seems to be worse. I would like to know what the trouble can be and how it can be treated so as to save the bird as he is a valuable breeder and I do not want to lose him. There is a high fever in the foot at all times and I know it must cause him a great deal of pain. Yours truly,
J. H. M.
Cloverport, Ky.

ANSWER—From the symptoms you give your bird must be suffering with a bad case of bumble foot. The following treatment will be found effective in most cases, unless it is in its worst stages. Secure a sharp knife with small blade and lance the swollen part of the foot either on top or bottom, so as to allow the pus that has gathered there to come out. After you have allowed the pus to flow freely take luke warm water and bathe the foot well for a few minutes and dry thoroughly. Then apply dioxigen to the parts, using several applications. Tie the foot up with cotton and do not allow the bird to exercise too much. Place in dry, well ventilated coop, well bedded with clean straw. Keep fresh water and plenty of food before him at all times.

Laying Age of Birds.

Editor The Industrious Hen,
Louisville, Ky.

Dear Sir: If I should buy eggs and set them early in the spring, at what age should the pullets begin laying their first clutch of eggs. It is my desire to start a small egg farm and I want to get nothing but the best of layers. What breed would you suggest for me?

Please answer this through the columns of The Industrious Hen. I have been taking the Hen for nearly a year and I like it fine. Yours very truly,
Mrs. N. M. B.
Statesville, N. C.

ANSWER—The age that pullets start laying their first clutch of eggs depend largely on the breed and the care and attention they have had since being hatched. Chicks hatched from strong healthy parents and given the best of attention and food from the start, should start laying in from four and one half to five months of age.

If you are contemplating starting an egg farm I would advise you to get the White Leghorn or some of the other smaller breeds. If you want both eggs and meat you should select some of the larger breeds either Plymouth Rocks, Wyandottes, Orpingtons, etc.

Hatching Duck Eggs.

Editor The Industrious Hen,
Louisville, Ky.

Dear Sir: How many days does it require to hatch Indian Runner duck eggs? What does it cost to join the American Poultry Association? and does the membership fee pay all dues for life? Yours very truly,
N. V. W.
Whitesburg, Va.

ANSWER—It requires four weeks to hatch duck eggs either by natural or artificial means, and only three weeks for hen eggs.

It will cost you \$10.00 to join the American

Poultry Association and this pays your dues for life and you will have no further assessments to pay. This will give you a chance to compete for any medals, cups and specials offered by the association.

White Earlobes.

Editor The Industrious Hen,
Louisville, Ky.

Dear Sir: I have a Barred Plymouth Rock cockerel that has some white in his earlobe. I have been told by one of my neighbors that he is not pure bred. I hatched him from eggs that cost me a lot of money. This was the only one in the lot that shows any white earlobe. Yours truly,
H. G. F.,
Monroe, La.

ANSWER—White in the earlobe of a Barred Plymouth Rock is a disqualification. But still it is possible for them to be pure bred and still show white in the earlobe. This defect as well as many others you will find in breeding fancy poultry must be bred out. So therefore use only birds for breeders who conform close to the standard requirements.

Columbus Poultry Association

The Columbus Georgia Poultry Association is one of the youngest Poultry Associations in the South. It was organized in the spring of 1911 and has pulled off three successful shows. At our first show (1911) we had about 900 birds, and in 1912 we had about 1200 birds, and in 1913 we had 2000 birds, which we consider very good for so young an association. This year we propose to do even better. Last year we gave 64 Silver Cups and \$1000.00 in cash prizes. This year we propose to exceed that of last year.

We have the cash in hand to pay all our premiums. People who send to our show need feel no uneasiness about their prize money. The business men of our city are back of us and never have failed to come across with Silver Cups.

Our premium list will be out about Sept. 1st, and I assure you it will be a beauty. Our show is open to the world. All inquiries will be promptly answered.

Fanciers making up their show list will do themselves a great injustice to miss our show.

JNO. S. JENKINS, Sec'y.

POULTRY BULLETIN.

WE ARE in receipt of a copy of the Poultry Bulletin which was recently issued by the Kentucky Agricultural Experiment Station, Lexington, Ky., by J. J. Hooper and D. D. Slade. It is one of the best pieces of poultry literature that has come to this office for years and we want to see a copy of same in every poultry raiser's hands. It is a very interesting and important bulletin relating to poultry raising. It contains excellent photographs of all the different poultry houses used at the Station together with plans for building and the cost of each house. Write for a copy of this valuable bulletin.

Dumaiesq Buttercups

Eggs and stock for sale. Exhibition fowls a specialty. My patrons have won firsts at Madison Square, Palace Show, Boston, Canada, also in England, and many smaller exhibits. Pens mated with strong, vigorous, standard birds. Write for circular. Address MRS. J. S. DUMAIESQ, Cato's Hall, Easton, Md., R. No. 5. Treasurer A. B. C.

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One pen Black Minorcas,
One pen Columbian Wyandottes,
Two pens S. C. White Leghorns,
and Three pens S. C. Brown Leghorns.
(1 male and four females to a pen.)

These are all good birds, and the price is right. Write us at once.

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TURKEY & WATER FOWL DEPARTMENT

This department is conducted by J. C. Clipp, Saltillo, Ind., and any questions that you wish to ask will be answered through this department, if addressed to Mr. Clipp at Saltillo, Ind. If a personal reply is wanted, enclose a stamped envelope.

MANAGEMENT OF LAYERS AND CARE OF EGGS.

THE management of our laying turkeys and the care of the eggs, is a very important matter. The care of the breeding turkeys should date back as far as December, of the previous year. Too many overlook the fact that breeding turkeys are too often rendered worthless by being over fed. An over fat turkey hen is a failure when it comes to furnishing fertile eggs or normal shaped eggs, hence, every precaution should be used to prevent over-fat breeding turkeys. Early in December, we make our final selection of our breeders and place them in a large two-acre park we have made for our breeding turkeys. Here we care and feed them carefully and see that they are not over fed and get every natural requirement, such as fresh water, sharp grit, charcoal and animal food. We feed mostly wheat and hulled oats, with but very little corn. We possibly give a feed of corn once a week, some weeks we do not feed corn, as I find I get better results by not feeding corn. The animal food consists of beef livers, lungs and various kinds of meat scraps. Here, is a very important feature of feeding breeding turkeys overlooked. Animal food is the turkeys natural diet. In their natural wild state they live chiefly on insects and worms, with possibly only an eight part small wild seeds etc. Since we have been feeding our breeders animal food, they lay better, begin laying at least two weeks earlier and eggs are much more fertile. As the season approaches for them to mate, I feed more whole wheat and less meat, yet at same time, continue to feed the livers or any other animal food we have, but in a more limited way. We keep oyster shells and sharp grit before them continually and find they will consume a great quantity of this material. The more grit and oyster shells they consume it seems the more eggs they will lay. I note when they slack up eating these materials they slack up laying, so I am confident these materials are very necessary in egg production. They may not add much to the materials that go to make the eggs, but they assist nature in all of the functions to complete the composition of the egg. Frequently we feed ground bone, but prefer pure meat, such as livers. This appears to satisfy them better than any animal food we have ever used. About two weeks before they begin to lay I place some apple barrels on their sides along the fence, in a manner that will make the nest appear isolated. Frequently we cut brush and place over them and around them. This gives the nest a very secluded appearance and the turkeys will take to them without the least bit

of trouble. Straw and leaves is placed in each barrel, but never place any nest eggs in the nest until they begin laying. We use to place the nest eggs in as soon as the nesting was completed, but found the turkeys preferred to make their nest away from where there appeared to be other fowls laying, so discarded the early "nest egg" until the turkeys begin laying and then place a nest egg in every nest where a turkey laid and removed the turkey eggs. The artificial eggs you buy on the markets are the best, as they will almost invariably break the hen eggs and this soon teaches them to eat their eggs, which is a very expensive habit and at same time hard to break of the habit. I have no trouble in having our hens stealing their nest away and losing a large portion of the eggs. It don't take long to build a wire fence around a two acre plot. The 49 inch fence is ample to keep the turkey confined and the space is thousands for them to get exercise and find plenty of green food too. We "crap" one wing in order to make sure that some timid hen will not break over and escape prior to laying her first eggs. If a hen once gets over and lays her first eggs outside the park it is a hard matter to keep that hen in the park. But if they lay their first eggs in the park, in the barrels prepared for them they will never attempt to break over the fence. A field fence, 49 inches high with a barbed wire four or five inches from the wire on top, makes it very hard for the hens to get over when wings are "clipped," but a timid hen will some time, manage to get over. As soon as the hens begin laying we gather the eggs every day, as the

weather, as a rule, is yet cool, when the first eggs are laid. March the 15th often finds us in this latitude with our first turkey eggs, while some get eggs a few days earlier than this. However, it's too cool to leave eggs out here at this date, as the eggs will chill and are worthless for hatching purposes. As we gather the eggs we mark them and keep "tab" on every egg as to hen and date laid. In this way we know just what each individual has done and can do. All eggs are placed in basket and covered snugly with woolen goods so that they are not exposed to light or chilly air. The temperature of the room should not vary much from 50 to 65 degrees for best results at hatching time. The eggs are turned once every day and care is taken that grease of any kind does not come in contact with the eggs. As grease will destroy the hatch of any eggs. If we notice a soft shell egg, we look well to the condition of the breeders. If they are receiving plenty of grit shells and charcoal, with all the fresh water they want, then we know the hens are becoming too fat and cut down the rations until the eggs become normal again. If you get your hens too fat, you will soon notice, thin shelled eggs, eggs that are inferior in shape and a prompt correction in the feeding should be made.

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Cook Strain. Big, vigorous golden beauties. Bred to lay. Eggs, \$5.00, \$2.50 and \$1.50 per setting of fifteen. Satisfaction guaranteed. All infertile eggs replaced free. Try a setting. W. L. BECK KEVIL, KY.

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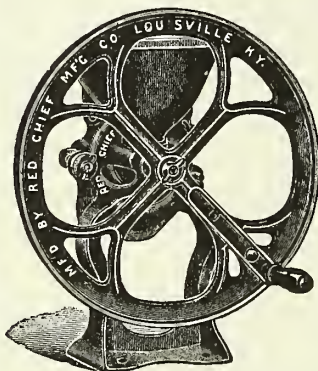
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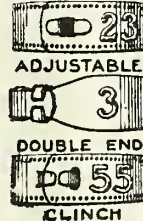
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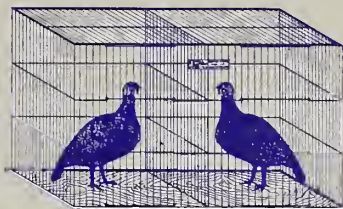
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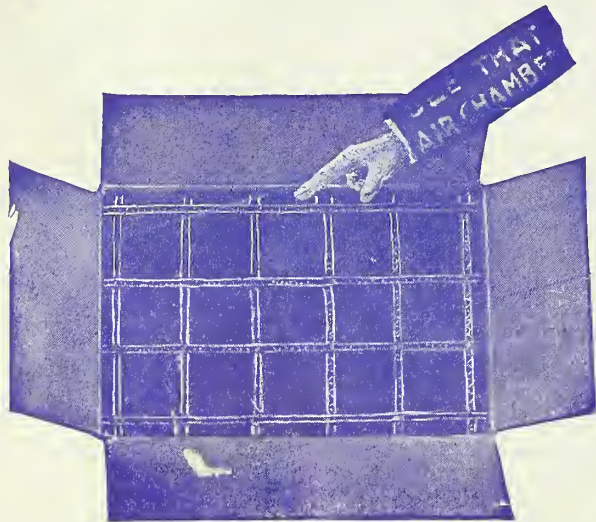
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