

MARCH, 1908

THE INDUSTRIOUS HEN

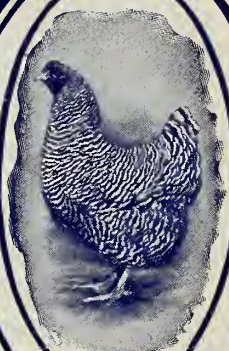
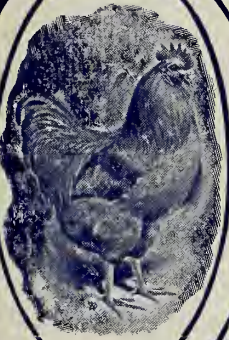
ONE YEAR 50c.—THREE YEARS \$1

AN ILLUSTRATED MONTHLY
FOR
POULTRY, LIVE STOCK AND THE FARM

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Silver Cup Prize.

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Our record was 58 prizes on 81 entries: 12
Firsts, 11 Seconds, 10 Thirds, 12 Fourth, 7
Fifths, also 6 Specials.

18 Firsts, 16 Seconds, 10 Thirds, 7 Fourth, 6
Fifths, 6 Sixths, besides 11 Specials and 3
Silver Cups, on six breeds. 94 entries.

THE INDUSTRIOUS HEN

An Illustrated Monthly for Poultry, Live Stock and the Farm

Vol. 4

Knoxville, Tenn., March, 1908

(Whole No. 4) No. 10

CARING FOR THE YOUNG CHICKS

WRITTEN FOR THE INDUSTRIOUS HEN BY ARCHIE E. VANDERVORT

A GREAT deal has been written on this subject. Each breeder has his own methods, which have brought him much success, while, on the other hand, others' methods are not so satisfactory, or a total failure.

Feeding chicks and giving them the right kind of a start is no easy matter and one in which all poultry raisers are much interested. There is as much injury done to the growth of the little chicks as to the skim milk calf, underfed one time, overfed the next, and sometimes not fed at all. A calf is not really stunted or damaged in growth because he is fed on skim milk. It is the irregular and improper feeding that stunts him. Young chicks are like the calf. If irregularly fed and not half taken care of you are sure to fail in your attempt to raise them.

Many thousands die each year by improper feeding. Young chicks are more subject to disease in hot weather than in the earlier part of the season, and barring lice and gapes the most common and dreaded disease is bowel trouble. Many farmers will mix up a sloppy mess of raw corn meal, mixed with cold water, and throw it to the chicks once or twice per day and they will then wonder why they lose all their chicks. Corn meal is a good feed if mixed with hot water or milk and properly cooked, but to feed a sloppy mess of raw corn meal and water is the surest way to produce bowel trouble. The raw meal ferments and sours in the little crop and forms an acid which causes an irregularity of the bowels. Some will afford nothing clean for the chick, overcrowd them and give them impure water. These are all causes of bowel troubles and should be carefully avoided. It is a good plan to put a little lime water in their drinking water as a tonic.

If chickens are worth raising they are worth raising well, and should be kept healthy and growing. For the first two or three days I feed hard boiled eggs and oatmeal five times

per day, and afterwards a chick food mixture. Most of the prepared chick feeds on the market are well balanced and consist of a variety of small grains which all fowls, both old and young, need. If a prepared chick food cannot be obtained, feed a variety, corn, wheat, millet seed, etc. The more variety you give them the better, but do not feed one thing continually. Supply your chicks with plenty of clean, fresh water at all times and often, for they will drink many times a day. I most sincerely believe that more losses in the raising of chicks are caused by impure water than anything else. Young chicks will drink whenever they see water, whether it be in old stagnant pools or mud puddles. So one should always bear in mind to keep your chicks well supplied with cool, fresh water at all times. If you do not have grass runs for your chicks, supply them with some kind of green food. Lettuce, lawn clippings, etc., are excellent. Meat is another important item. If they are yarded they should be given green bone or good beef scraps, but if they have free range they will find enough meat to supply their needs. Plenty of sharp grit should always be kept before them. Your food and feeding may be all right, but the chicks cannot properly digest their food unless they have grit. Keep your brood coops clean, for filth invites disease. I clean my coop thoroughly every week and spray with coal oil and carbolic acid to keep away the lice. A few lice will suck the vitality out of the most healthy and strongest chick. If your chicks stand around with closed eyes and drooping wings you may be sure that they are covered with lice. Guard against lice from the time you set the hen, for they are sure to come if you don't.

As soon as the chicks are weaned they should be separated, cockerels from the pullets, and moved to colony houses. Place your colony coops where they can have plenty of shade and grass. Feed them well and care for them and they will grow into large business hens.

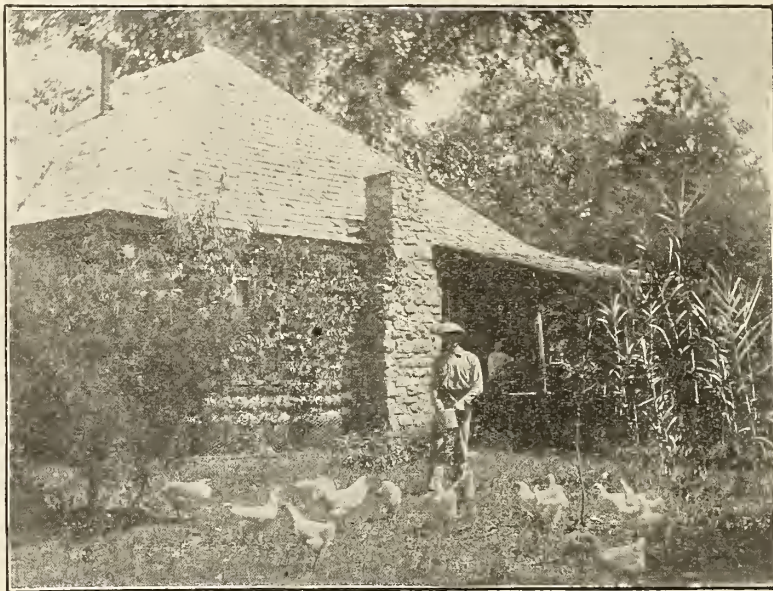


THE PHILADELPHIA POULTRY SHOW

WRITTEN FOR THE INDUSTRIOUS HEN BY Wm. F. FOTTERALL

THE Philadelphia Poultry, Pigeon and Pet Stock Association held their second annual show at Musical Fund Hall Jan. 21-25, '08, which was more of a success than their first show. The management found it necessary to increase the entrance fee from \$1.00 to \$2.00, having in mind that quality was preferable to quantity, as the Hall space is limited, though they had over twenty-five hundred entries, and by far exceeded last year.

Philadelphia is very much handicapped in not having a building suitable to hold shows in, or would rival New York and Boston, as there are a great number and some very keen fanciers in the vicinity. The show was very ably superintended by W. Theo. Wittman, of Allentown, Pa. The management is to be congratulated in being able to procure the services of so valuable a man, as he is in the employ of the Agricultural Department of the State to lecture on Poultry, and just found an off week that he could devote to the Philadelphia Association. The great success attained is due to the enticing managers, who are gentlemen of means and devote their entire time to making the show a success without any compensation whatever, not even do they charge up their expenses. Most of them live out of town, and report daily at the office; not even the secretary is paid for his work, but is allowed a stenographer for about six weeks. Great care was taken in selecting the judges, the committee keeping in mind the fact that in order to have good work done, it would be necessary to have plenty of judges, and not give them too



The Editor of THE INDUSTRIOUS HEN, T. L. Bayne, with his record strain of White Wyandottes, on his farm at Russellville, Tenn.

many classes. The classes were judged by the following well known men: A. P. Ingram, West Chester, Pa., Brahas, Cochins and C. Bantams. H. P. Schwab, Ironduquoit, N. Y., Barred P. Rocks, and American Dominiques. J. H. Drevenstedt, Red Bank, N. J., White Plymouth Rocks and all Wyandottes. Geo. Fox, Torresdale, Pa., Buff Rocks. J. D. Nevins, Philadelphia, Partridge and Silver Penciled Plymouth Rocks. Louis Graham, Glenolden, Pa., Bantams and Polish. A. C. Smith, Waltham, Mass., all Leghorns. Jno. J. Ritz, Elkin's Park, Pa., Waterfowls and Turkeys. Percy Cook, Scotch Rains, N. J., Orpingtons.

The Barred Rock class was not quite so numerous as last year, but much more quality was in evidence. The breeders in general, throughout the country, are improving very much, and the Big Four will be compelled to look to their laurels, if they intend keeping the position they claim they have established. The only thing that took the writer's eye was the first pen. They were bred by Henry D. Riley and sold to Brandywine Summit Poultry Yards. Mr. Riley did not exhibit, as he is president of the Association, and at Philadelphia officers do not compete, so unselfish are the show men. Can it be any wonder that it is making such strides, with such a painstaking lot of gentlemen in the management. The White Rocks proved the largest class, and as I predicted in my report of the New York show, that the Torresdale Poultry Farm, owned by Mr. Thomas Ellicott Cole, were showing a quality of birds that must come to the front, they came very near making a clean sweep except in cockerels and that was won by Chris. Burroughs, who showed the best cockerel I have seen this year. The Buff Rocks, as a class, were much better than those shown at Madison Square Garden, and I must say were judged perfectly by that past master in the art, George Fox, of Torresdale, Pa. Mr. Chas. A.

Matsenger, Baltimore, and C. L. Penoyl, were the large winners.

The meeting of the Partridge Plymouth Rock Club was held at Philadelphia and it brought out a remarkably strong class. Mr. Edward G. Noonan of Marietta, showed some remarkably fine birds, winning first cockerel, special silver cup, and special silver cup for cockerel and pullet. Mr. A. A. Anderson, Greenwich, Conn., won two silver cups and showed some remarkably fine birds. Chas. A. Kahle was on hand with his handsome cock bird, and was also a cup winner. The Partridge Rocks are making very rapid strides in the East and judging from the number of birds shown they tend to outrival some of the older varieties.

The Silver Penciled Rocks were a good lot, showing lots of quality, but were not so numerous as heretofore. Exmore Farms proved the cup winner in this class.

The Buffs and Golden were good in number and showing quality. The Partridge Wyandottes are showing an improvement in quality, especially in the females. The second hen and first pullet were hard to beat, both in shape and penciling.

The White Wyandottes proved a strong class and it taxed Judge Drevenstedt to his utmost to get through on time, but Drevenstedt always proves equal to the occasion. The first cockerel was a marvel, shown by Buck Hill Poultry Farms, not only winning three silver cups, but was an easy winner of the Purina cup for the best bird in the show. The first hen was good and full of quality without too short a back. She was in the catalogue

to be sold at \$25.00, and before the ribbons went up she was purchased. As usual Dr. Beckut was in evidence in the Silver alley—giving his friends a little medicine and good advice.

Columbians were strong, especially in cockerels, pullets and pens; the best bird I saw was the second cockerel, which was remarkably well trained and showed a most beautiful hackle and tail with remarkably good Wyandotte shape.

Rhode Island Reds, R. C., were strong both in number and quality, and I was much surprised not to see Ellenwood Poultry Farm not placed higher in the awards, as they showed several of the Madison Square Garden winners in their string.

The Single Comb R. I. were a good lot, full of quality, though there were many awards that I was unable to understand.

The Orpingtons were judged by Percy L. Cook, and I must say there wasn't a word of dissension among all the exhibitors, and Mr. Cook made himself very popular with the Orpington people. The Blacks seem to be outstripping the other varieties in popularity, and Mr. Wm. H. Moore and Mr. Sidney L. Wright proved that their birds were equally as good as last year, dividing the silver cups between them. There were sixty-eight Blacks, thirty-five Buffs, and twenty-two Whites shown, not counting pens. Special mention should be made of a White cock and hen exhibited by Mrs. J. W. Holton, of Catasaqua, Pa., who exhibited them at Madison Square, winning with both. Mrs. Holton takes great pleasure in her birds, taking entire care of them herself, while Mr. Holton, who is President of the Great Dryden Horse Shoe Works, takes his pleasure with horses and Jersey cattle.

The Leghorns were unusually strong, especially the Whites. Mr. Smith, in his quiet, painstaking way discovered birds that were faked, and promptly disqualified them.

POULTRY WORK FOR MARCH

BY THE EDITOR

FROM Washington to the Gulf of Mexico this is the month for hatching your 1908 crop of chicks. Conditions of climate and weather in the above section are just right; the young grass is just starting while the bugs and worms have set a glorious feast for the youngsters. The tendency seems to be to have the poultry shows more in December than in January as has been the usual style. This means that the breeders of American and Asiatics must hatch their show birds earlier to have them in the best condition to compete. For the farmer and poultryman good March hatches mean fowls at the right age and weight to bring the best prices as broilers. In this way the surplus males can be made to bring a profit. So hatch, hatch, hatch is the motto for March. Early and often. This is the rainy, windy season; look over the buildings carefully for leaks of water and wind. If your birds are yarded, be extra careful to furnish plenty of water, green stuff and green bone or first class beef scraps. We all want fertile eggs, so we must help the hens to produce them. Have as much variety in the feed as your means and situation will permit. Observe your pens and change the hens which do not please the males. If you are hatching with hens there is nothing better than a barrel turned on its side with a small rim in front; we have used them with great success. Be sure to dust the hen before setting her again on the eighteenth day, and again after the chicks are hatched.

Now is the time to begin your campaign against lice; whether there are any or not (they are always there) have a regular spring cleaning; clean up all houses, move roosts and dropping boards, clean and kerosene all nest boxes, put

in new nesting materials, and last, but not least, dust all the fowls, particularly the male birds. We know, by experience, that this last is a tough job, but it is most vital to success. If done early, it will check the lice and save a harder fight later on. Of course it is understood that this dusting will have to be repeated at regular intervals as the weather gets warmer. If your yards or runs are bare, a patch fenced off and planted in oats or rape will furnish green food in a short time. A good scheme is to board off a corner, plant with rape or oats and cover with poultry wire, so that the birds can pick the green stuff but are not able to scratch it all out by the roots. Save the droppings for the garden; there is nothing better, particularly for heavy feeding plants; be careful in its use, however, as it's very strong; the best way to use it as a fertilizer is to mix with soil one part of hen manure to ten or twelve parts of soil, throw about the brood coops and brooders. They must be ready ahead of time time, cleaned and put in order. Best place where you will run your youngsters this season from birth to full growth. Arrange so that the chicks of different ages will be kept apart; also be sure to fix it so that the grown stock cannot bother the youngsters. One of the best ways we know of is to put the hen with brood in a colony house, where, when she leaves them, the youngsters can stay till full grown. We have used a 6x6 colony house, open front, for 15 to 20 chicks, with success. It saves the extra work and the bother of teaching the youngsters where their new house is.

Be sure not to put off, any of this work, for a delay till too late means a whole year lost. In the poultry business one can never put off; it may mean disaster, and is sure to mean some loss.

JOHN BREITWIESER ON BARRED ROCKS

BACK in my youth, thirty-five years ago, I was presented with five mongrel chickens, of all colors, by a lady who moved away from Buffalo, and her kindness led me into a channel I have followed more or less since. After experimenting with these imitations for a while, I was satisfied that good, first-class poultry only would pay. I bought a setting of Barred Rock eggs from a breeder who claimed to have the best on earth. Out of four pullets, I picked two, and showed them and was disqualified, which cooled my ardor, and I found out that you must possess some knowledge yourself when you have good chickens, before meeting the judge. I then sold my stock and commenced over, and after ten years of hard lines I knew a Barred Rock when I saw one. The knowledge of high grade Barred Rocks must come by actual contact and experience, and natural disposition to learn, and foundation stock must be of the best. No breed of chickens ever came under my observation that were more difficult to mate up than the breed now under consideration in this article.

If bred in the city from the egg, they lose that blue luster of the plumage that a run in the country, such as has worms, bugs and insects, will replace. I have studied carefully "pullet" mating in later years, and have produced several 93½ and 94 point birds, with that beautiful shape which is so necessary in Rocks to-day, and every beginner should start small and work his way up, as the knowledge develops for broader and larger efforts and more confidence in himself. There are 100,000 people in the United States who breed Barred Rocks in their way, and yet not over two per cent can go to the large shows and win a prize.

Thousands of dollars are spent yearly for Barred Rocks that never win out in a show the buyer has in view, and yet he finds his money gone and he has the experience, and the breeder the money, because the breeder sent him good birds, but by the time he showed them he allowed them to deteriorate, as he was not judge enough himself.

About three years ago a young friend of mine sent \$10.00 to a leading breeder of B. Rocks for two chickens, a cockerel and pullet. In December of that year he showed them. The cockerel had small feathers appearing on the shank, and both were disqualified. This, I claim was the fault of the breeder, and when such cases can be proven, the breeder should refund the money or be disbarred from advertising in honest journals.

To breed a B. Rock scoring 90 points or over, you must first have a *line bred* bird that comes for years from the best blood, and a cockerel that will mate the pen; if his color is *off* or his *breeding is weak*, your work is in vain.

I have bred other breeds and scored 90 to 95½ first season, and find them much easier to breed than Barred Rocks, and yet there is no breed of chickens known to the *fancy* that is more universally loved, is a better table fowl or layer of large eggs, and more useful to the human family, than the famous Barred Rock.



First S. C. Brown Leghorn Cockerel, Richmond, Va., Jan. 9-16, 1908; Whitman, judge. Owned and exhibited by Strawberry Poultry Yards, Box 287, Richmond, Va.



Second Hen, score 95 1/4. First Pullet, score 96. Second Pullet, score 95. First Cockerel, score 94 1/2. First Hen, score 96.

DOES POULTRY KEEPING PAY

WRITTEN FOR THE INDUSTRIOUS HEN BY JUDGE J. C. CLIPP

THIS question has been asked the writer over and over again, and by many that are actively engaged in the business. From a careful interview among a large number of poultry fanciers, we find not over one in a hundred keeps account of his doings in the poultry business. Yet all admit that they seem to realize more from their poultry than any other product on the farm. While there seems to be good money in all classes of poultry there is really greater profits realized from turkeys or waterfowl.

Certainly there is big money in ducks where the business is carried along on business lines. This month, in judging the Lowell, Ind., show, we found a breeder that was making "all kinds" of money out of the colored Muscovy ducks, aside from under size she had quality to burn. After our interview with her along the lines of demand for them we found the demand for this variety of ducks was far ahead of her possible supply, although she raised from five to six hundred every year besides her neighbors were producing equally this many for the purpose of supplying her trade. This fact may seem strange to some as one may attend a hundred poultry shows and never see a black duck in the whole circuit of shows. But the world is large and the demand for any variety of ducks is great, especially if you advertise and show to the world you have birds of quality to offer. The time has arrived when it takes quality to satisfy the American people in any commodity. Hence, the individual that will carefully select any one of the standard varieties of ducks and breed them along careful lines will make considerable money either for market purposes or for fancy. The writer has on his desk at the present moment a number of inquiries for the names and addresses of breeders that breed various varieties of ducks. This is a strong indication that the public generally is beginning to realize the great possibilities of water fowl culture, and will buy almost regardless of cost if they knew just where to find just what they wanted. It would be next to an impossibility for us to answer all inquiries in a personal letter as our correspondence is already taxed to its utmost. But why breeders do not advertise their respective varieties is a mystery to us, unless they are really afraid to spend a dollar for printer's ink. Such individuals do not realize, it

seems, that the world would be in darkness without the public press. The poultry world would be, as it were, back in the dark ages if it were not for the poultry press.

The writer personally knows of a breeder that has quality in his yards that would make some of the "Madison Square Garden" exhibitors take off their hats if they should meet him in competition, but this party never spent \$10.00 in his life for printer's ink, and for this reason alone he is allowing a good young fortune to slip through his fingers. With the quality this brother has in his yards \$100 intelligently invested in some reliable advertising medium would bring him at least \$1,000. We have preached this gospel to him repeatedly but to no avail; he is one of those citizens that if a dollar comes his way he never lets it get away, can't see any advantage in spending money. Can only see the one side, proposition of always having money coming his way. But it seems at a glance that we are a bit off the subject of profitable poultry keeping, but if any writer can show us how a profitable business can be carried on without judicious advertising, we will then tip our hat to him and acknowledge we are not competent to write upon the subject. There is money in any branch of waterfowl culture, either for eggs or for fancy purposes if the business is handled carefully in an honest, upright manner. Just at the present time there seems to be a great demand for ducks and geese as well. The markets quote good prices all the while for this product. This, however, creates a demand in the fancy and as we previously stated the individual that has a good strain of birds of strong blood lines is certainly allowing a young fortune to escape their grasp by not advertising their products in the poultry journals.

It is true a number of the leading strains of fowls are advertised in the poultry press. But where is the advertiser that is showing a display ad for colored Muscovy ducks or Sherwood chickens. There are people in the land wanting to buy this variety because we have inquiries for them. There never were brighter prospects in the poultry world than to-day. If you have birds of quality let the facts be known through the poultry press and you will soon have the money while the other parties will have your products. This condition of affairs is one step towards preventing a panic. Keep the wheels of prosperity whirling with every possible effort.

A WORD FOR SCORE CARD

WRITTEN FOR THE INDUSTRIOUS HEN BY MRS. W. J. LANDESS

JUDGE MARSHALL, asks in the January number of *INDUSTRIOUS HEN*, "When will breeders learn to keep only *average* birds, birds not old enough to exhibit, and others not well conditioned, out of shows?" I think the question can be readily and correctly answered: Educate the people by the use of the *score card* to know the ordinary or *average* bird, and surely they will not be so fond of giving money to express companies as to burden the shows with that quality of birds. As Judge Marshall says, it is truly an *expensive experiment*, but there can be no better way than the *score card* to teach them the quality of their birds.

Some urge against the *score card*, lack of time. There is one method that will help that a great deal. Where there are quite a lot of ordinary birds, score one or two of the best of each exhibit to show the quality, and mark the remainder of worthy of the time required to score them. Do you not think this would rid the shows of so many birds not worthy of a *score card*? The ribbons are usually placed by the last day of the show, whether by *score card* or comparison. I have not been able to detect any great difference in time in the shows I have attended.

To give correct awards by comparison would require much more experience and greater training of both eye and memory in the judges I should think. Some claim the *score card* a farce; if it is, why is not comparison also? The judges are not honest and proficient in their work, have a much better chance to deceive the people. If one is a farce the other is, and neither should be patronized. If we can have a capable, honest judge who does not know whose bird he is judging, will not fail to cut deep because he likes the exhibitor

very much—I think we can find such—we should quietly abide his decision though our judgment does not coincide with his. It is possible for all to make mistakes. Here is one great advantage of the *score card*, with it and our Standard we can better test the correctness of the judging. In no other way can we so well learn the weak points of our birds and be enabled by careful mating the next season to eradicate the fault. I wish to congratulate The East Tennessee Poultry Association on its wise continuance of the *score card* system. If the cards can be correctly marked and kept from the fingers of mischief makers, as it does seem they could be, and we get the Standard corrected in the point of weight, giving the heavier bird preference where all other points are equal, I think all would be in a satisfactory shape for both shows and exhibitors. This point of weight should especially be changed in behalf of Mammoth Bronze Turkeys, as it is so difficult to get the best markings and size—which everyone wants—combined, and when it is found should surely be well rewarded. Some have gone to the extreme of saying that one judge cannot correctly judge more than one breed of fowls. What a flock of judges our large shows would require! Is not that putting quite a limitation on the human mind, just one kind of bird all it can grasp in months of study? How was it possible for us in school-days to stand examinations on as many as one half dozen different studies and sometimes make a fair grade in all? How could this be if the good and bad points of one breed of birds is all one mind can contain? Let's avoid extremes and try to be reasonable in all things. Let's have whatever is best for all. *Let's have the score card.*

WHAT IS A FAIR HATCH

WRITTEN FOR THE INDUSTRIOUS HEN BY DR. W. N. SANBORN

It is often asked me: "How many chicks should I be satisfied with from eggs bought at a distance?" And then the seller of eggs for hatching occasionally wants to know if he is right in thinking that a certain number of chicks is all that can be expected from the eggs he sold.

Really, it is not what we hope, or desire, but what we should consider a fair hatch from these boughten eggs. It is not a fact that the average buyer of eggs expects more chicks from them than from the same number of eggs laid in his own houses? The eggs are closely packed, taken to the train in a wagon, held in the station for awhile, jarred in the express car, perhaps left out on a truck at some junction point, and finally get to the buyer's place of business. Should these eggs hatch as well as home laid eggs? I think not.

What are the facts as to home hatching? Do you get ten chicks from every thirteen set? Not sometimes, but as an

of eggs for hatching do when complaints are made? They do not all practice the same idea. Some guarantee every egg fertile or replace free every clear egg returned after six day's incubation. Most sell eggs with the understanding that if less than half the eggs hatch they will duplicate the order at half the original price. A few of the leading breeders say that the eggs are worth the price, for their own use, and buyers must take all chances in using them. It costs something to pay express on returning clear eggs and on the second shipment. Most buyers would pay a little more money and buy elsewhere. The half price offer is not all gain as the second shipment is likely to be later in the season when prices may have been lowered. The best plan I know of is to sell eggs with no set number promised to hatch but with the statement that each customer shall have the right thing done by him."

In the buying of eggs for hatching we are getting something more than a few chicks. We are getting fresh blood—often better than we now own. A single chick out of the thirteen eggs may be worth three times the price of the eggs. I know one man who paid five dollars for thirty eggs in the spring of 1906 and five of the chicks won first prize at the great show at Rochester, N. Y. This prize pen produced several winners



Sam Tubb. Son of King George, Judge Clipp's great \$300 Buff Rock cockerel. Owned by J. G. Comfort, Buff Rock Krank, Knoxville.



Lady Eleanor II. Note the shape of this female. Long body and straight back, with which her tail makes no angle. This is the way to breed them. The Rock is the longest fowl we have except the Minorca. Its length should be one-third greater than its depth. When we get them shorter and thicker we approach the Wyandotte and Orpington types. Bred and owned by S. G. Comfort, Buff Rock Krank, Knoxville, Tenn.

average? I doubt it. The large breeders, the experiment stations, tell me if they hatch a chick from every two eggs they are doing satisfactory work. One of the prominent poultrymen in New England, with an experience of twenty years with hens and incubators, tells me that year in and year out, with both machine and old hatching he seldom averages over fifty per cent hatches. It may run lower in February and June, higher in March and May,, but he has learned to be content with fifty chicks from every one hundred eggs incubated. This being so what should we consider a fair hatch when we send one hundred miles, five hundred, for hatching eggs. It has been my practice to call seven chicks from thirteen eggs a fair, a satisfactory hatch. All chicks over that number are a gift from the seller, all chicks less than that are my loss.

If less than seven chicks are unsatisfactory what do sellers

of quality at the shows of the past season. One hundred dollars would not buy that prize pen today, old as the birds are.

Let us think this matter of a fair hatch carefully over before we write fault finding letters to sellers of hatching eggs. Let us put ourselves in the other's place and then ask or give as seems the "fair thing." At all events be satisfied with six chicks from thirteen eggs that have been handled by expressmen.

FREE ADVERTISEMENTS

We want our readers to send us cuts of their birds, houses, yards, etc. An article from your pen describing your experience, methods or favorite breed may make customers for you or help the breed along. It is a splendid form of advertising and costs you nothing.

SUCCESSFUL REARING OF CHICKENS

WRITTEN FOR THE INDUSTRIOUS HEN BY E. G. BOYD

WHAT success did you have with your young chicks last year? I will give you my method, and if any or all of it will help you to raise more chicks than you did last season, I will consider my time well spent.

With the better grade of incubators it is no trouble to hatch large numbers of chickens provided your breeding stock is in good health and vigorous.

Right here, let me say if your breeders are not strong and sturdy, it is useless to waste valuable time trying to raise young ones from them. Even if you succeed in raising a few puny things, they will never pay for the trouble, for they cannot come up to standard requirements as show specimens, and you had as well spend your time poking your finger in water and pulling it out and looking for the hole as to try to get eggs from them. After the hatch is all complete I leave them in the incubator for about 36 hours, then place them in a warmly lined basket or receptacle to be conveyed to the brooder which has been lit up ever since the hatch begins. If it has been running all right up to this time it will be safe to intrust it with the life of the innocent little chicks.

The heat should be about 95 degrees under the hover, and the brooder floor covered with litter of some kind. I like clover leaves and heads from the haymow best, but any kind of clean, fine litter will do. The chicks should be placed in the brooder just before night and given clean water and some coarse sand. As night comes see that they are all gotten under the hover properly and you will have no more trouble on that score.

In the following morning they are to be given their first feed; for this I give rolled oats, that is, the common table rolled oats. Some may consider this expensive, but I do not, for it is only used for a few feeds, and I think nothing too good for my chicks if it will help them lay a solid foundation for work and lots of eggs. Take some of the oats and roll between the hands until it is fine enough for them to

eat, and place a shallow dish of it before them. After they have picked at it for about 15 minutes, I take the dish away and scatter a small amount of the oats in the litter to give them something to scratch for.

They should be fed four times a day until they are old enough to get out on the ground, when the feeds can be dropped to three times a day, unless they are to be fed from hoppers. After the first two days I begin to mix dry bread crumbs with the oats and decrease the amount of oats until, at seven days old, dry crumbs, cracked wheat, and corn and millet seed form their diet.

From the time they are a week old they should have a dish of beef scrap before them all the time. After they are large enough to get out on the ground and exercise I keep cracked wheat, corn, and millet seed in equal parts before them in a shallow box. As the chicks grow the temperature should be gradually lowered until it reaches 72 at about two or three weeks old, depending on the outside temperature.

The brooder must be kept scrupulously clean or you cannot expect the chicks to thrive and grow as they should. Especially should the hover apartment be kept clean, here I think is where many fall down. I have seen brooders that were otherwise very clean have droppings caked on the floor under the hover. It is so easy just to sweep the brooder floor and leave what has stuck tight until the hover chamber is covered with a thin coat of droppings. The heat from the lamp causes this to give off fumes that are poisonous to the chicks.

Another important item in the rearing of chicks is green food. This they should have regularly after they are four days old. What is to be used depends of course on what is to be had. I like lettuce and it is a good idea to sow a good sized bed as early in the spring as possible, for it is an excellent food for both old and young stock. Young clover, tender grass, or even scraped potatoes are good.

To sum up, keep everything perfectly *sanitary*, feed good wholesome grains, learn to love the downy little pets and make it a pleasure to care for them and you will be surprised at the number and quality of chickens you will raise.

HOW SHALL WE ADVERTISE

THE views of that veteran breeder, judge and poultry expert, I. K. Felch, on advertising are of interest to all in the business as they carry the weight of his years of experience as a successful man in breeding and selling of poultry.

We think his article contains valuable advice and suggestions. We quote it from *The Reliable Poultry Journal*.

In looking over the awards of our large comparison shows, I see that in one of our American breeds one breeder won only two prizes while others secured but one. The question may be asked—with \$50 paid out for entrance fees and attendance—did it pay? Nor was this all, when it is a known fact that all professional exhibitors are large buyers to balance up their exhibits in our large shows.

The professional exhibitors are few in number compared to the rank and file of the breeders. They really become a class in themselves and due credit should be given them for keeping the interest up to high water mark. It is among this class that you, my beginner and less wealthy breeder, find patrons for your best birds.

But for you to go into such competition, paying \$3 entrance fees as in the last Madison Square exhibition, would be folly. The thing for you to do is to place your advertisements in the largest circulating poultry papers and spend your \$100 there. You should also show your birds at the large agricultural fall fairs like those at Brattleboro, Rochester and Brockton, in New England, and others of like character in the South and West, where thousands of visitors may see and examine your mature and growing stock. It is at such exhibitions that new breeders are made who buy to stock up the new ranches.

The winter exhibitions where the specimens are scored is the place for you to exhibit, then the score your stock secures will

give you a reputation as a breeder. If you win in a local show on 95 points, it shows you have as good birds as win in our large comparison shows, and you will soon have a call for such stock. You may be the only exhibitor and your exhibit consists of 1 cock, 1 cockerel, 1 hen and 1 pullet and a pen. If in that exhibit your scores are from 92 to 96 points, they will compare favorably in merit, for the nine birds, with 95 per cent of those who make exhibits of poultry and advertise these scores. It will not matter whether you win in close competition or are the only exhibitor, you will secure your share of the standard-bred trade of the country. Don't envy the exhibitor in the large comparison show—they pay for all they get.

The place for you, my novice friend, is the local show with its score card application of the Standard. Here, and through the best poultry papers, you must get your education as an exhibitor. By advertising and by sending out birds well worth the money, you will secure your trade and become known to the purchasing public. The breeders who have paid heavy bills to exhibit, have to receive large prices, for these expenses are as much an item as the grain they buy to feed their stock. You can make as much money breeding first class stock for the profession as they who have these added expenses.

A friend paid \$500 for a pair, \$15 expressage, \$5 entry fees, \$17.50 to attend the show, and sold \$1,000 worth of progeny in twelve months from the pair. Another who raised his eight pullets mated them to a good cock and sold \$2,200 worth of birds from the mating in twelve months at an average of \$7 a head, and did it all through his ads. in the poultry journals.

When you have graduated from the score card show, the fall fairs, and have gotten your education, then tackle the large shows, but never give up your ads. in the best poultry papers for they reach the purchasing public.



DEVOTED TO EVERY INTEREST OF THE

Poultryman, Live Stock Breeder and Small Farmer

Entered at the Knoxville Postoffice as second-class matter.

S. B. NEWMAN	President.
L. B. AUDIGIER	Vice-Pres. and Gen'l Mgr.
J. T. OATES	Sec'y and Treas.
T. L. BAYNE	Editor.

B. W. Rhoads, Western Advertising Manager, Tribune Bldg., Chicago.
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ADDRESS ALL CORRESPONDENCE TO
The Industrious Hen Co., Knoxville, Tenn.

Vol. 4

MARCH, 1908

No. 10

THE INDUSTRIOUS HEN is issued promptly on the first of each month. It furnishes the latest and most authoritative information obtainable on all matters relating to the Poultry industry, Live Stock breeding and intensive farming. Contributions that are practical and pithy are solicited.

The Editor is not responsible and does not always endorse the opinions as expressed by his contributors.

Subscribers desiring a change in address will please give the old as well as the new postoffice.

ADVERTISING RATES

Furnished on application. The value of THE INDUSTRIOUS HEN as an advertising medium is unquestioned. The character of the advertisements now in its columns, and the number of them, tell the whole story. Circulation considered, it is the cheapest Poultry journal in the United States to advertise in. Advertisements, to insure insertion in the issue of any month, should reach this office

Not later than the 25th of the month preceding.

BREEDERS' CARDS—2½ cents a word each month for one, two or three months; 2 cents a word each month for four or more months. A 25 word card will be run six months for \$2.50, one year for \$4.50. A small cut illustrating a breeder of 25 words or more will be used for 50 cents additional. Numbers and initials count as words. Please count the words correctly and avoid delay. We keep no books with this department and cash must invariably accompany the order.

THE INDUSTRIOUS HEN reserves the right to reject any advertisement for cause.

SPECIAL NOTICE TO SUBSCRIBERS

Your Address

On the wrapper or cover indicates when your subscription expires. In order not to miss a number it should be renewed one month in advance. If, after your name appears the date "Apr. 7," it means that your subscription is paid to April, 1907, and unless renewed will be discontinued after that date.

If a large letter "X" is stamped in the panel at the left of this paragraph, it means that the time for which you paid your subscription has expired and, unless renewed before the next issue, will be discontinued; therefore, if you do not want to miss THE INDUSTRIOUS HEN, YOU SHOULD RENEW AT ONCE. Do not fail to send us either 50 cents to pay for your subscription for another year, or \$1.00 to pay for the paper for the next three years. Better send \$1.00 and have the best and most helpful and practical poultry journal found in the world coming to

you regularly every month for the next three years.

SAMPLE COPIES

If you receive a sample copy of THE INDUSTRIOUS HEN you are invited to subscribe for it. You may never get another copy, and if you like it, mail us 50c for one year, or \$1 and have it come to you for three years. Thousands are doing this now and you will never regret it. In sending your subscription if you have a friend who would like to see a sample copy, send us their name and address, but send your own subscription RIGHT NOW. Do not put it off because you are busy, but DO IT NOW. Address THE INDUSTRIOUS HEN Co., Knoxville, Tenn.

AGENTS WANTED

We want an agent on every Rural Route in the country to solicit subscriptions for THE INDUSTRIOUS HEN. We have a liberal proposition to make and a hustler can make good money. We have solicitors who make as high as \$10.00 per day. Others make from \$3.00 to \$6.00. If you want to make some easy money, send for our proposition.

While the representation from the South in the American Poultry Association is comparatively small still it is much larger than ever before. We must not let this fact prevent us from taking an active interest and doing our part in the coming election. We have enough memberships in the Association to entitle us to be represented on the Executive Board, and we must see to it that we are so represented, as Mr. Hicks, formerly of Tennessee, is now living in the West. Don't fail to vote. If you are satisfied that the present officers have done good service and are honest and trustworthy, it is better to re-elect them than to try new men, as it takes a good part of a first term to get into harness.

* * * *

We are gratified at the interest our readers are taking in THE INDUSTRIOUS HEN, and poultry matters generally. We want to get as close together as we can. Our interests are the same, your success means more business for this paper and more friends for the poultry industry. This is good as far as it goes, but can be made better. We want to hear from more of our readers, with criticisms, questions, experiences and helpful suggestions. Often another man may have a remedy for some obstacle or trouble which you may have run up against and would be glad to help if he only knew of your case. We would welcome suggestions as to what topics you think would be of most interest to our readers. We run this paper to please our readers and the more we please them the better we are satisfied and the more business we can do. Don't be selfish, help us and we will help you. The poultry raisers are a great fraternity as well as business people. Don't be modest or shy, say your little say and you will be astonished at how well it will be received by your audience.

* * * *

It may seem incredible, but it is a fact that there are a large number of people in the poultry business raising and selling birds for show or supposed to be up to the Standard, who do not own a copy of the American Standard of Perfection, or who have never looked inside it's covers. How these people expect to accomplish anything in the business we cannot imagine. They have no fixed guide to go by in their breeding. This is all wrong, as a method of breeding, and not fair to those who may deal with such people. How can a man breed to Standard when he does not know what Standard is? At the shows the past season we saw numbers of birds disqualified because their owners had brought them to the shows without having selected them—guided by a copy of the Standard. A breeder is bound to have this guide or he is doomed to failure. We can supply copies at \$1.50, the regular price, or for \$1.75 with one year's subscription to THE INDUSTRIOUS HEN.

* * * *

We would strongly advise our readers who expect to compete at the shows this fall and winter to begin to get ready now. Look over the show dates and plan what shows you will attend and hatch some of your best eggs, so that the birds will be just the right age at the date when the show occurs. This is the method pursued by the most successful breeders. They mate for show, hatch for show, and raise the chicks with that object in view. The time has passed now when a breeder can take a bird out of his yards or off the range and without any preparation win at a Southern show. We have gone far ahead of that. A bird has to be prepared and properly trained. This is as it should be. The State fairs are now paying some attention to the poultry departments. These are held from September on, and we want more attention paid to the poultry department and better

prizes. We must make the poultry a feature of these fairs. To show birds in proper shape we must hatch them right now and give them especial care. Keep them growing right along and even force them a little. The day of haphazard methods has passed. To succeed a man must work according to a fixed plan with a definite goal in view. A winning at a State fair is as much value as an advertisement, in addition to the prizes offered. Just think of what an audience you command at these fairs when at each of the State fairs of Tennessee and Kentucky the attendance was over 100,000 people.

* * * *

If the poultry raisers of Tennessee wish to secure action by the Legislature in the form of an appropriation to promote the poultry interests and poultry education in the State, they must have some sort of organization and a definite plan upon which they are united. Looking to this end, we want to hear on this subject from all parts of the State, with suggestions and ideas as to how this can best be accomplished. No man ever got anything by sitting down and waiting for it to come to him. He must go out after it. We particularly wish to hear from secretaries of poultry associations. Election will be on shortly. We must have a statement from the different candidates on this subject. Get at the candidates before election—their minds will be more negative before election than after. Missouri appropriated \$4,000 at the last legislature and the benefits to the farmers and poultry raisers of that State have been wonderful. It's the best investment the State ever made for the benefit of the rural population. Missouri is now the leading poultry State in the Union, with a return of \$30,000 in 1907 for poultry and eggs. Tennessee leads the South, but product can be doubled in two years, by judicious fostering and intelligent help to education in this important industry. Pull off your coat, ye hoary handed sons of toil. Take this matter up seriously right now and let's get a little of what's due to the farmers and poultry raisers. Give us your views right now. Time is of value in this case.

* * * *

It has been a long time coming but at last the general press is coming to recognize the importance of poultry and egg production as a business. Last year there were a number of interesting articles in magazines, and lately the illustrated weeklies have given it some attention. All of this is a great help, by stirring up general interest. In the South the papers are beginning now to give this great business some of the attention it has long deserved, and the following from the *Journal and Tribune*, of Knoxville, is of interest:

Recognition at Last

"The South is beginning to give proper attention to the poultry business, as evidenced by the support extended to poultry papers and the space given to that industry by local papers, besides widespread interest manifested in various states, districts and county societies devoted to the work of building up this valuable industry. Fairs are held annually in different sections of the South where comparison can be made and opinions expressed as to the methods of betterment. Several of the Southern state experiment stations have recognized the growing importance of the poultry business and have added departments devoted to that calling, in which students get practical training.

"The fact (1) that the cost of feed to produce a pound of chicken is practically no greater than that to make a pound of beef, mutton or pork is becoming more generally understood, together with the additional fact (2), that chickens usually bring double the price in the market that any other kind of meat does; (3) many parts of the South can produce chickens and eggs cheaper than elsewhere for the reason (4) that feed can be produced in abundance, is also taking hold of the minds of farmers and others. And still another fact (5) and that is that no other feature of farm life can be made to make a greater percentage on the investment than the chicken; another (6), but not least, is the fact that chicken is "good eating," and can be prepared much quick-

er than any other form of meat, and lastly (7), the fact that the market never seems to be over-supplied with first-class chickens."

* * * *

Now is the time to use the incubator. If you do not own one send your order immediately as the makers are rushed with orders now and you may be delayed and lose valuable time. Don't buy a cheap incubator, the best will prove the most economical in the long run. Besides the wear and tear on your nervous system is worth something. If your incubator is not a good one don't use it, use hens. Be sure to follow directions. The manufacturers know more about their make of machine than you do. If you already have an incubator, clean it thoroughly—look to the felt parts, moths may have been at work on them; put in new burlap wherever used. Clean the heater out thoroughly, a smoky incubator is like what General Sherman said about war. Boil your lamps and burners in water with lye, boil the wicks in vinegar. Use a new wick each hatch. Tight woven wicks are the best. Now fill and light up; run the machine two or three days to see if it is all right. Don't put the eggs in at too high a temperature. It's best to warm them up gradually. The general opinion seems to be that it is best to run 101° to 102° first week, 102° to 103° the second week, 103° to 104° the last week. During hatching the heat may run up to 105° to 106°. The most vital point in running an incubator seems to be the question of enough ventilation. More is needed as the hatch progresses. Turn the eggs after the second day, twice a day at least; three or four times is better. Give the eggs a good airing once or twice a day, make it longer as the end of hatch approaches. If your machine gets too hot, open the door to cool down the eggs. Fill the lamps every day and be sure to trim your wick once a day, twice will be better. When hatch is on have machine closed. Don't try to help chickens out of the shells; they are not worth it. If weather is very dry a bucket of water under the machine will help. In very warm weather dipping the eggs in warm water about 98° is considered of value. A piece of blanket, damp—not too wet—laid over the eggs on 18th day is one method of supplying moisture. Be careful not to have it too wet. Leave chicks in incubator for 24-hours and do not feed at all for 48 hours or even longer. It takes four or five days for them to absorb the yolk of eggs, till that is done they are not ready for the business of life. *English Poultry* gives some interesting figures from the report of an experiment in incubating in Germany.

PERCENTAGE OF EGGS HATCHED.

Under hens	43 per cent.
In incubators	38 per cent.
EGGS	HATCHED.
Under 10 days old	45 per cent.
Over 10 days old	34 per cent.
Air space, broad end	46 per cent.
Air space, pointed end	per cent.
Air space, slanting	33 per cent.
Air space, on the side	17 per cent.
Inside cloudy	44 per cent.
After laying 10 eggs	45 per cent.
Before laying 10 eggs	12 per cent.
Open front sheds 2 year olds.....	70 per cent.
Free run, 2 year olds	48 per cent.
Two pens, 20 each, 2 year olds.....	
free run	26 per cent.
Yearling, free run	32 per cent.
2 year olds, other feeding	34 per cent.
Morning, dry feed	73 per cent.
Morning, wet feed	39 per cent.
Egg drawer closed 18th day.....	45 per cent.

In the April number we will treat of brooders and the feeding of chicks.

SHOW DATES

We want to get the dates of all the State Fairs for 1908, and of the different county fairs for Tennessee; our readers will help us if they will send in the dates of their local fairs and associations.

THE TRIUMPHANT MARCH OF BUFF ORPINGTONS

WRITTEN FOR THE INDUSTRIOUS HEN BY W. W. NEWBERRY.

NEVER was there a bird introduced to the poultry world that has won such signal victories in the three realms of poultry: fancy, eggs, and meat, as the Single Comb Buff Orpington. Like the conquering Anglo-Saxon, whence they sprang, following the course of the sun they have won unfading laurels around the world. In some instances, especially in America, they have won against the strongest prejudice and coldest indifference, and always on their pure merit. As an all-purpose fowl, they have forged themselves to the farthest front and stand without a peer in the poultry world. They are not the "coming fowl" as we sometimes hear those who watch the procession, though not a part of it, express themselves, half "convinced against their wills,"



OSCAR E. MILES, COLUMBUS, O.

One of the oldest and largest breeders of Rhode Island Reds in the entire West. Nine years at it and longer with B. P. Rocks. He has fourteen yards of the finest Reds he ever owned, and will mail a handsome new catalogue to all inquirers. Mr. Miles' ad. runs regularly in THE HEN, and we refer our readers to it on another page.

but they are here to stay, and win increasing laurels as the days come and go. Poultrymen everywhere are rapidly joining the Orpington ranks and sharing this rich harvest. The greatest hindrance this fowl has met with in the South is through small breeders of inferior stock who have never joined their specialty club and do not know the true Orpington shape and color or how to breed them.

"As a fancy fowl none has ever equalled in popularity the Buff. There is no color that can compare in real beauty, and beauty in the full sense of the word, to Buff, a rich, golden buff. Let a fancier once really admire buff, and he is wedded to it forever. Many buff enthusiasts not only strive to have the real buff color on their stock, but go as far as to even have their catalogues and stationery buff in color. This is well and good and sound patriotism. But you never saw the real, genuine color produced on paper like the rich, wonderful color you see when you hold that best cockerel, or pullet for that matter, in the bright sunlight. "Real buff is the only color, and it just grows—that's all." So said W. E. Stanfield, that most competent of all judges. Truly a Buff Orpington "is a thing of beauty and a joy forever."

As an egg producer the Orpington is a well regulated "machie" that produces the golden eggs. They lay regularly. They lay in winter and summer. They lay early and often.

Their heavy suit of feathers makes them the best of winter layers. In an egg-laying contest in Australia, 1906, lasting twelve months, registering the egg yield for each month in the year, six Orpington pullets, pitted against the recognized greatest layers, came off first with an average yield of *two hundred and forty-three eggs apiece*, and beat the world's record. Now this is history and not fiction. I have a grand daughter of the first Boston and Chicago cock, an imported bird, which, when a pullet, laid *fifty-eight eggs in sixty days*. If you don't know how to make a hen lay, just get you an Orpington hen, she knows, and will perform the work to your entire satisfaction and liking. Now don't get a cull or common, which some "jockeying" judge might give you a first on and blow you up with false pride, but get a genuine "top-notch" and results will be forthcoming. If your stock consists of "mongrels" and "thoroughbred scrubs," place them gently on the block, roughly if need be, and with a sharp axe, strike. "If at first you don't succeed, try, try again." Then send the carcass as a "peace offering" to your most incorrigibly worst enemies.

Talk about your incubators—the Orpington hen is a "Sure-Hatch." She possesses a "thermostat" that can never be improved upon. It is the "ne plus ultra" in the chick world. I set one of these pullets on eighteen eggs and she hatched eighteen chicks and raised seventeen, and it was not a good time for hatching either.

Now as a table fowl the Orpington is on par with the Dorking, than which there is absolutely no superior. Their (Orpington's) flesh is most juicy and luscious. Their large breasts afford abundance of white meat. Their skin, entire, is white. And as has been observed, "A yellow skinned bird is a yellow skinned bird; a thick skinned bird is a thick skinned bird; a thick skinned bird is a bird of coarse fibre and coarse flavor."

Conversely, "A white skinned bird is a thin skinned bird; a thin skinned bird is a bird whose flesh is fine in fiber and delicate in flavor."

Last but not least, the Orpington is not an accident like some other breeds I know, but scientifically bred by the greatest poultryman the world has ever seen—Wm. Cook, of England. We have the Golden Spangled Hamburg, the Colored Dorking and the Buff Cochin, three great birds in one; result—the Single Comb Buff Orpington—the greatest of fancy and utility fowls—the biggest clean legged bird in the world! You've tried the rest, now try the best.



RED FLAME—First Cock, Single Comb Rhode Island Red, at Jamestown, 1907. Owned and bred by Callahan & Son, East Point, Ga., S. C. Rhode Island Specialist.

McCULLOUGH'S POULTRY POINTERS

WRITTEN FOR THE INDUSTRIOUS HEN BY PLUMMER McCULLOUGH

MARCH is, in my candid opinion, one of the worst months there is for poultrymen. The weather is always very changeable and sometimes very cold. By the time this is in print we will be caring for our breeding pens. There will no doubt be many chicks out, but there will be many breeders, especially of the smaller class, who will not have their pens mated up. It is to this class that I write this article.

The mating up of a breeding pen is not simply the penning up a dozen hens and a rooster, as many suppose. In mating up a breeding pen we must use good, sound, horse sense. It is no child's play and it takes a few brains also. There are so many people that just mate up their pens with that "don't care" method that it is rather a difficult task for a beginner to know who's who. Other stock is the same way. I know of farmers who breed their mares simply to get a colt. They never stop to consider whether the horse they breed to is the proper mating or not. They mate for nothing. That is, they have no definite purpose in view. When we mate up a pen of fowls we should have something in view. Mate for some object. Don't simply throw a few hens and a male in a pen and call them mated. That is not mating at all. You will have to get up higher than that if you ever expect to get up a bunch of winners. Before you start to mate up a breeding pen, first make up your mind what you are going to mate for. Have an object in view. Don't mate with the "don't care" feeling. It's laziness. It is simply the throwing of time away to mate up a pen carelessly. First we must know what a good individual is—of the variety that we are mating. Unless we know what a good specimen is we can hardly hope to mate them properly and for best results. There are a number of beginners who imagine they can go to a poultry show and buy a pen of prize winners, take them home and start into the business at once. They seem to think that every chick raised from this pen should be winners. Here is one of the worst mistakes in the world. You say that "like begets like," which is true in one sense, but you must remember that if they do they must be properly mated. You may take two first prize winners at one of our large shows and "put" them and get a lot of culls. You can take a pair of 95 point birds, "put" them together and also get a lot of culls. You ask, why, were they not bred right or what's the trouble? The trouble is, they were not mated right.

In order to get best results we must mate to overcome these defects. As I said before, have some object in view.

We must mate to overcome these defects. To do this we must know where our birds lack. We must know what sections they are weak in and mate them so as to have the offspring better than their parents in these sections. That's the idea. Mate for quality and quantity. Please remember that a pen well mated is worth two, yes, a dozen that is half mated. Don't spoil a pen by adding a hen or two to make the "even dozen." Such work is nonsense. Pick out your male that is to head your pen. Then go over your flock and see how many females that will do to mate with him. Your male should be active and full of vigor, plenty of size and shape that is true to the breed. Remember that shape comes first, then color. No matter how good a bird is in color, if it is not true in shape it is discarded.

The Standard allows fifty-nine points for shape and forty-one for color, so you see how important shape is. Color is also very important, but we must not neglect shape for color, because shape is far the most important of the two. Have your male a good one in every way, for he is half of the pen. He counts just as much as all your hens. Don't forget this.

The only way to overcome defects is to have your male strong in sections where your females are weak, and vice versa. In selecting your females have them all from one type as near as possible. If they are a little "off" in color, be sure that your male is extra strong in this section. If your male is a trifle weak in eye have your females extra strong in eye color. If your male is a little "up" on legs, your female should be about standard in this section. Always have your females strong where your male is weak and your male strong where your female is weak and you will be surprised at the progress you will make. You will also find that you will not have a great many females that will mate properly with your male.

Beginners also make the great mistake of crossing strains sometimes. This should never be done. One man may be aiming to get a strain of birds with low combs. Another man may be breeding exclusively for color, and perhaps another may be paying more attention to leg color, etc. Therefore the different strains do not "nick" worth a cent. Culls are often the result from crossing strains. Stick to one strain, and if you need new blood go to the man whom you got your original stock from, he can usually help you out. Now in closing this article I want to repeat, keep "quality, not quantity." Mate for a purpose and study your birds. Study your Standard. Study THE INDUSTRIOUS HEN, the South's best poultry journal, and you will succeed.

The White Leghorn Farm

Of John R. Milligan, Valley Station, Ky., won more prizes at the great Nashville Show than all his competitors. His first and second hen, and first and second pullet were pro-



1st Prize Ekl.
Birmingham Show, 1906
Louisville Ky 1906
Bred By J. R. Milligan
Louisville, Ky.

nounced by Judge Drenstedt equal to any exhibited at Madison Square Garden. Mr. Milligan refused an offer by another leading exhibitor at the show of one hundred dollars for his winning hen and pullet. Besides winning at Nashville, Mr. Milligan has furnished the winners at Louisville, Lexington, Knoxville, Lebanon, and St. Louis. In fact, he sells birds to win in any competition. While his stock has no superior in the show room, they are bred with especial reference to egg production. A large business is done with fine market eggs, and their quality and size has won commendation from the leading hotels in Louisville, Ky. Look up Mr. Milligan's ad.

He's Got 'Em.

Attention is called to the ad of A. P. Davis, Springfield, Tenn., in this issue. At the Nashville fair he got three firsts and one second, besides a number of ribbons. At Springfield on 23 birds he got 21 ribbons, 10 firsts, 5 seconds, 4 thirds, and 2 specials. See what he breeds.

As between two breeds laying an equal number of eggs, the one laying the larger eggs is to be preferred.



S. C. Rhode Island Red hen, winner of three 1sts., and silver cup. Bred, owned and exhibited by D. L. Ditto, Brandenburg, Ky.



"Virginia Dare," first S. C. Brown Leghorn pullet, Richmond, Va., Jan. 9-16, 1908, Whitman, judge. Owned and exhibited by Strawberry Hill Poultry Yards, Box 287, Richmond, Va. Thirty (\$30.00) dollars was refused for this pullet.



TURKEY DEPARTMENT

CONDUCTED BY MRS. J. C. SHOFNER, MULBERRY, TENN., TO WHOM INQUIRIES SHOULD BE MADE. ALL QUESTIONS WILL BE ANSWERED IN THIS DEPARTMENT THROUGH THE INDUSTRIOUS HEN.

Baby Turkeys.

Now if you have your own way for caring for these wee ones, and are successful, don't adopt my way. But if you are a beginner, I think I may save you at least a part of the high wages that costly teacher, Experience, always collects.

I try to have two turkey hens hatch at the same time, as sometimes one will prove an indifferent mother, and if so, at least a part of the little ones will crowd under the good hen. Then, too, they can protect their flock from crows and other enemies so much better. The only things I fear, when I have two hens running together, are coyotes and dogs. Turkeys are helpless in the presence of these two enemies, if they are off in the fields away from trees.

If your turkey sets a couple of weeks steadily, and then begins coming off and on, better not risk your eggs, for turkey eggs do best with close setting; but remove the eggs to another turkey, chicken hen or even incubator. Speaking of the incubator makes me think of how you may save some of the eggs if they happen to get crushed at near hatching time when shells are getting tender. Just put in the incubator, run at same heat as for chicken eggs, and if your turkey is still alive, you stand a good chance of hatching one more turkey.

HATCHING TIME.

Some hens hatch in 26 days, some 27, and some take the full 28 days, depending upon whether your hen is a warm one or not.

This is one of the times that the turkey needs, and should receive, absolute quiet. Rest assured, if you keep away the turkey will hatch every hatchable egg.

Be sure before eggs begin pipping that you have the nest so arranged that none of the new arrivals may slip out and chill. If one does fall out, an incubator is handy to thaw it out. A little turkey chills easily, but if put in the incubator for a little while, he comes out as good as new.

Here is where so many fail; they do not watch the little ones closely. They tell you so plainly when anything is wrong with them, if you will just listen or look. The time of greatest danger of chilling is when first removed from the nest, which should not be less than 36 to 48 hours after hatching. Now the mother is hungry from her long fast, as some hens only leave the nest a very few times during the four weeks, and she is worried about her babies if other turkeys or chickens are near, and so does not hover as much as the little ones need.

If you have a shady yard with plenty of green grass or clover, away from everything else, then you are in luck. If we can just have a bright warm sun the day we take turkeys from nest we are fortunate, as two days of warm sunshine—and some other things—will raise our turkeys, every one.

FOOD AND FEEDING.

I dip each little bill, horizontally, into the water, as they do not drink just like chickens. Do this gently and be sure he takes two or three sips of water. After each has been watered, they should have just a little curd on a clean board. This curd is made from thick sour milk. Put upon back of stove, where it will heat, but not boil. Do not stir but when partly done turn the mass over and break into parts. It is done when you squeeze some between your fingers and a cheesy portion results. Do not cook hard and crumble as we do for people. But take from stove when just right, pour off the whey, but leave nice and moist. Then squeeze drier when you feed it. Do not feed oftener than every two and a half hours.

The second feed with me is Mrs. Pinkerton's chick food. Measure a teaspoon level full and then only use half of it for 15 turkeys. Now you are thinking I will never make 35-pound boys if I feed like that, but friend, right here you start your turkeys toward a life of a few days, or of several years. More turkeys are killed by overfeeding, when tender, than in any other way. Go easy, and be safe. It will be a temptation to feed more, but please don't.

Now you must use common sense, as no rules can be given that will fit every brood. Some broods will eat the chick food for the second feeding. Others must have curd for a day, or even two days, and then must be coaxed to pick up the chick food, but I get them to eating it as soon as possible. Then if it turns wet or cold I can omit the curd altogether till the weather fair, as curd is an excellent food only when the little one can balance it with plenty of clover leaves or other greens it likes, and also with plenty of exercise.

Of course this scant amount of chick food must be increased after the first few days, if your turkeys are ranging.

PLACE TO RANGE.

Our pasture has a corner where there is "buck brush," but underneath blue grass and clover. The mother hen likes this, as her long neck can stretch up and look for danger, but the little ones are hidden.

I like to send them out to hunt the second day after taken from nest, if the weather is warm. I keep talking about the weather, for I have one treatment for cold weather, another for warm. The mother will brood better if left in her yard if cold. But I feel so much surer of raising the whole flock if they can have a few days of playing "wild turkeys."

I should have told you not to coax the backward one to eat for a few feeds. He knows when he is hungry better than you do. Also a chicken or two will help teach the turkeys to eat the chick food. I have little or no trouble, as my old birds were raised on this same food and love to teach the little ones, and satisfy themselves at the same time.

Of course you must not put the little ones out in the dew or wet. By the second day mine love me better than their mothers, or love the feed I carry, and will follow me anywhere I lead, then the little ones, and the turkey mothers, bring up the rear, and

MAMMOTH BRONZE TURKEYS

Prize Winners at South's Greatest Shows.

At Nashville, 1907, 1st cockerel, 2nd pullet; 1908, 2nd and 4th cockerel. At Knoxville, 1906, 1st cockerel, 1st pullet, 1st tom, 1st hen; 1908, 1st tom, 1st hen.

EGGS FROM PRIZE WINNERS FOR SALE

BARRED PLYMOUTH ROCK CHICKENS

FROM PRIZE WINNING STRAINS.

MRS. W. J. LANDESS,
Route 5. Fayetteville, Tenn.

Mammoth Bronze Turkeys

From Prize Winning Strain.

Barred Rocks, Black Langshans, Partridge Wyandottes, Indian Runner Ducks. Stock and eggs at reasonable prices. Write, your wants and I will fully describe my stock, and satisfaction guaranteed. Special price on Barred Rock cockerels.

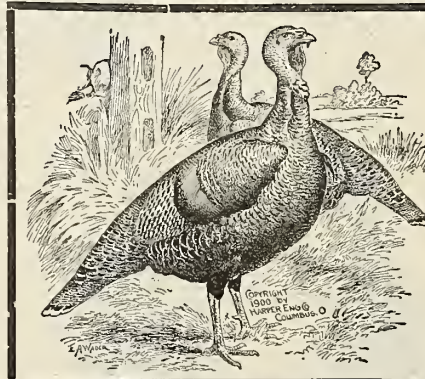
T. J. CATE, R. 1, ATHENS, TENN.

Mammoth Bronze Turkeys

B. P. R. CHICKENS BOTH OLD AND YOUNG

Stock for sale. Satisfaction guaranteed.
Winners whenever shown.

MRS. J. J. HOLMAN, Mulberry, Tenn.



Mammoth Bronze Turkey EGGS

From Pen of Prize Winners.

The tom, "Ben Cameron," that heads this pen weighs 45 pounds, and won second prize at Greater Nashville, 1907 show. He is a full brother to first prize tom that sold for \$50 and is in first class condition as a breeder. He is mated to five beautiful, large females—pullets and hens. From this mating we expect to produce show birds.

EGGS 50c EACH.

MRS. W. R. BRAKEBILL, R. 3, KNOXVILLE, TENN.



FOR SALE! Mammoth Bronze Turkey Eggs

What every one wants is size and plumage combined. I have it in my flock this 1908 season, with "Southern Prince," line bred, weight 50 pounds, score 97 1-2, his sire, Goliath, weight 48 pounds, score 97 1-2, with Jumbo Jim, grand sire, by hen, weight 47 pounds, second prize winner at St. Louis World's Fair, 1904. Southern Prince heads Pen 1, mated to 8 fine, large females that will score at least 95 points. Pen No. 2 consists of 8 fine pullets mated to a 35 pound cock, score 96 1-2, 1st prize winner at Lebanon, Tenn. "Like will produce like," and this is what my customers will get in these eggs. Satisfaction guaranteed as represented. Correspondence solicited. B. P. R. chicken eggs from best prize winning strain, \$1.50 per 15.

BOONEVILLE POULTRY YARDS, MRS. J. C. SHOFNER, R. 1, Mulberry, Tenn.

away we go to pasture, which is only a few rods away.

FINALLIES.

From the very first have some call, and they soon learn to come whenever they hear this call. I use a different one for chickens, so they do not come when I feed the turkeys. I also feed them in separate places.

Feed regularly. It takes no longer to do it at one time than another. If you have a certain time and place, your flocks will not be far away.

When wet and cold lessen the amount of food to correspond with the lessened exercise.

If the down around the vent pastes together, loosen and keep vent free, and the little one will be all right probably in a few days.

Yes, I always raise my own turkeys with turkey hens. I want them to live and grow big. A chicken hen weans too soon, never ranges far enough to give bone and muscle for big size, and her lice are so much worse for them than those that are natural to the turkey.

Turkeys like to dust in the fine dirt in the road. If there is lots of wet weather, don't forget to put a pinch of good insect powder in down on head and under beak and among the quills of wings.

I have a large yard surrounded by fine netting. Here each hen and brood is driven each evening, then I do not worry about varmints or prowling dogs. The trees where they first roost are here. The old hens were raised here, and are as contented as can be. Keep them from perching just as long as you can. Let them have all the range they will take and next fall make them go, even when they prefer the sunny side of the barn.

Turkeys are no harder to raise than chickens if you just remember they are turkeys, and have a turkey nature, and treat them as such.

If you want big turkeys, see that your stock is from a large strain. I said large, not fat, as you cannot expect a 15-pound hen to produce many 30-pound birds. If they have the backing for bigness, and you do your part, they will have size to carry heavy weights.

Yes, turkey-raising is easy and profitable. All you have to do is, "feed them a little and watch them a big."—*Hattie A. Weld in Poultry Culture.*

1890 GOLDEN PLUME POULTRY FARM 1908

J. C. CLIPP, Proprietor.

Breeder of the world's greatest prize winning strains of "Giant" Bronze Turkeys, "NUGGET" strain Buff Plymouth Rocks, and Pearl Guineas.

Poultry Judge, All Varieties—Score Card or Comparison. Best of references furnished.

Write us for dates and terms. Life member A. P. A. Graduate Hewes-Pierce School of Poultry Judges.

SALTILLO, - INDIANA.

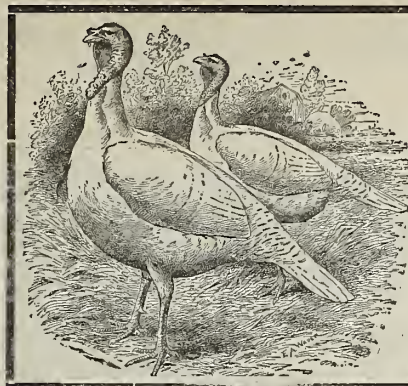
IDEAL POULTRY AND STOCK FARM.

WHITE and Silver Wyandottes mated for exhibition, per setting (15 Eggs), \$2.00; Pens 3, 4, 5 and 6, good vitality, stock, \$1.00 per setting; 50 Eggs, \$2.50

- S. C. White Leghorns.....\$1.00 per setting,
- S. C. Brown " (Carter Strain) \$1.50 "
- Buff Orplington.....\$1.00 "
- Light Brahmas.....\$1.00 "
- S. C. Black Minorcas, \$1.50 and \$1.00 "
- Mammoth Pekin Duck, \$1.00 for 12 Eggs.

We have better Birds this year than ever, for some of which we have refused fancy prices. We always keep the best for our matings and you get Eggs from them. Safe Delivery and a fair Hatch guaranteed.

C. E. SMITH, Greene Co., Afion, Tenn.



OAKLAND TURKEY FARM

— BREEDERS OF —

White Holland Turkeys EXCLUSIVELY

Won two firsts and two seconds out of five entries at Knoxville Great show, Jan. 8 to 11, 1908. Eggs 50c each. My turkeys are large, vigorous and healthy, and while I have many acres, they do not need much range.

A. S. BELL, R. D. 13, Knoxville, Tenn.

BARRED ROCKS, M. B. TURKEYS

RINGLET STRAIN.

Greatest Prize Winning Strains in America.

At four leading shows in hot competition my birds have won a grand total of 54 prizes; 34 of these being 1sts and specials.

Best exhibition mating 15 eggs, \$2.00. Careful selected matings 15, \$1.50; 30, \$2.50; 100, \$6.00. Pure bred range flock 30 eggs, \$1.00. M. B. Turkey eggs; exhibition matings, 11, \$3.50

H. L. KENNON, R. R. 2, Dunnegan, Mo.

SINGLE COMB RHODE ISLAND REDS

We will have six pens of this favorite breed this Season, and will be prepared to furnish you with eggs for hatching at very reasonable prices. We have spared no expense to place in our pens the strongest blood lines on earth.

MISS ALICE PELTON, Manager

PARK POULTRY PENS

Corner 26th and West End Ave.

NASHVILLE, TENN.

VICTORY FOLLOWS VICTORY

MILES' UTOPIA BARRED PLYMOUTH ROCKS S. C. RHODE ISLAND REDS

ARE KNOWN AND ACKNOWLEDGED ALL OVER THE U. S. AS THE "IDEAL OF PERFECTION."

At Ohio State Show, Jan. 1908; Cleveland, Ohio, Jan. 1908; Columbus, Ohio, Feb. 1908, (National Show) At these three great shows in succession we won almost as many 1st and 2nd as all exhibitors combined. At Ohio State Show we won the grand Sweep Stake prize in Reds, and color and shape specials. At Cleveland, (their greatest show) we won, both clubs, State Cup and the Challenge Cup on Reds, and color and shape specials. At Indianapolis, Ind., (State Show) Feb. 1907, our winnings is a matter of history and stand separate and alone. At Nashville, Tenn., Jan. 1907, we not only made the winnings but our B. P. Rocks and R. I. Reds were acknowledged by breeders and exhibitors as being the best birds ever shown in the South. At the Great National Show at Columbus, Feb. 1908, we showed 43 birds, 34 of which were winners, either in pens or open class. Besides this great victory, we won the A. P. A. medal for best cockerel, Silver Cup for best pen in American Class, and the shape and color specials in both B. P. Rocks and R. I. Reds. How does that strike you? Do you wonder why my birds are called the UTOPIA STRAIN, "Ideal of Perfection. You can buy eggs from these winners and produce that kind. We still have 200 birds for sale, males \$5.00 to \$20.00, females \$2.00 to \$5.00. I need the room. (Pullet bred B. Rocks, male and female, that are beauties.) My 1908 catalogue is ready. Send for it. It is free. Eggs \$5.00 per 15.

MILES POULTRY FARM, OSCAR E. MILES, Owner. Columbus, O.

S. C. WHITE LEGHORNS R. C. BROWN LEGHORNS S. C. BLACK MINORCAS

For quality Axley's strains are in a class of their own. With a record in 9 shows in the South. With a record of 253 eggs to back their laying qualities. A breeder 30 years. Hundreds have my stock for foundation blood. Stock and eggs.

FRED AXLEY, Route 5. SWEETWATER, TENN.

HIGH GRADE BUFF WYANDOTTE COCKERELS

and pullets now ready. Good shape, splendid color, tails and wings near perfection. A few good hens for breeding and showing. My 1907 matings "nicked" to perfection. Shall I share my success with you? "Hints for getting good Buifs" for the asking.

DR. N. W. SANBORN, BOX H, BELLINGHAM, MASSACHUSETTS



Pigeon Talk.

There are too many people keeping pigeons today that think any old kind of feed will do and just any time will do to feed them. And to these people it makes no difference how long the drinking water has been stale or how filthy it is from the dirt that has collected in it.

How many of you feed your birds on the ground where, it is wet and filthy, caused by the recent rain or from the splashing from the bathing pans?

Change these bathing pans where the splashing will not be on the feeding ground and also have the feeding spot a little more protected from the storms.

Have all the hens in your loft a cock, or are there several cocks with no hens?

Why are those birds in your loft, that are worn out and always causing trouble among the best workers?

Correct some of these evils for such they surely are, and you will be better satisfied with your pigeon results.

Are you feeding corn, wheat, peas or some one grain variety? If so, change the feed. Give equal parts of each of the following, mixing it well: Corn, cracked corn, wheat, pin head oatmeal, hemp, rice, and barley. This will not be too much hemp, for you only have a tenth of the feed hemp.

If you don't want your feed wasted, don't feed in self-feeders, for they will scatter the grain all over the floor looking for their choice grains and then what is left will come in contact with the droppings, become sour and foul, causing sour crop and kindred diseases.

The only proper method for feeding is to feed on the floor of your loft and always in a perfectly dry place. Give the birds all they will eat at the feeding and no more.

Pigeons Cleaner than Chickens.

Pigeon fanciers won out in their contention before the Board of Health of Cleveland, O., that chickens can not be compared to pigeons in the matter of cleanliness. The board tabled the proposition to amend the health code to provide that pigeon coops might not be built within twenty-five feet of a residence.

The vote was decisive after Secretary Combes had explained that this was the first complaint ever lodged with the board against pigeons, and Doctor Nathan Rosenwasser had declared that no other city legislated against the birds.

The breeding of pigeons has always been considered a gentle art. From the days of the old Persian monarchs, the breeding of pigeons has been considered a pastime for men of gentle breeding and ladies of high degree. The breeding of these curious and beautiful birds denotes high intelligence, love of the beautiful and that position in life that gives one time to devote to a pastime in which profit is almost invariably a secondary consideration.

The increasing interest in pigeon breeding denotes that the country is becoming more refined, more given to the study of the beautiful things of this world and that our people have leisure for such pursuits. The gourmand, who seeks that which is best to eat, and is willing to pay the price, may be called the artist of foods. He demands squabs, because there is nothing in the way of food that is more delicate, nourishing and palatable. Pigeon breeding is destined to become more popular and those now in the business may be proud of their avocation.—Pigeons.

Does it Pay to Advertise in The Hen?

The *Industrious Hen Co.*, Knoxville, Tenn.

DEAR SIR:—Enclosed find check for \$19.60 for account in full to date. Have just sold pen of birds for \$50.00 and another for \$75.00 which I give *The Industrious Hen* full credit and from present prospects think I will run short on eggs, as I sold my hens down to one hundred and fifty, and so far am just catching up on orders. Respectfully,

JAS. M. BUTLER.

Murfreesboro, Tenn., Feb. 15th, 1908.

The *Industrious Hen*, Knoxville, Tenn.

Dear Sirs:—I have sold all of my birds I had to sell, so find copy for change of ad. for eggs only. I have had splendid success; sold one bird for ten dollars and this was through a classified ad., so you see it pays to advertise in a good paper like *THE HEN*.

Very truly yours,
Mar. 9, 1908.

HERBERT HENRY,
Winchester, Ky.



Satinette Cock, 1st at New York, 1906-7.
Ernest Ebisch.

Cycle HATCHER-BROODER
\$7.50

Complete 50-egg all metal Hatching and Brooding plant for only \$7.50. Once filling the lamp hatches the eggs and broods the chicks.—Cycle Hatcher Co., 512 Wm. St., Elmira, N. Y.

5-10-'06. Epworth, N. C.
Dear Sir:—Hawks visited my chickens every day. After using your Chicken Powder—they came no more. Yours truly, J. B. PITTMAN.

7-30-'06. Massaponax, Va.
Dear Sir:—I have tested your Sample of Macnair's Chicken Powder and found it a safe and reliable tonic, as well as a sure cure for cholera. Very respectfully, FRED NUSSEY.
COCK OF THE WALK. "HAWK" THE BARN YARD ROBBER.



I take Macnair's Chicken Powders and feed my children on them too. Look at me and observe the Hawk. Cock a doodle doo.

Died after eating a chick of that old Rooster, which had been fed on Macnair's Chicken Powders. Alas! Alas.

MACNAIR'S CHICKEN POWDER

Kills Hawks, Cures Cholera, Gapes, Roup, Indigestion, Leg Weakness, and keeps them free from Vermin, thereby causing them to produce abundance of Eggs. Sample package, including postage, 25 cents.

W. H. MACNAIR TARBORO, N. C.

SPRING GROVE POULTRY FARM R. C. RHODE ISLAND REDS

First prize winners under Owen and McClave. Special for best pen under Brown, Knoxville, 1908. Eggs, best pens \$3 for 15; \$5 for 30. Utility stock, \$1 for 15; \$5 per 100.

O. H. C. RODGERS, R. 6, Knoxville, Tenn.

LET ME SHOW YOU

how easy it is for you to build your own Incubators and Brooders with my **Free Plans**. I furnish all parts you can't make. Thousands doing it—not a single failure. Send today for my **free Book of Plans and Catalog**.
H. M. SEEER CO.,
224 Hampshire St., Quincy, Ill.

Mated pair kissing. — Write to-day for our **FREE Squab Book**, 1908. How to make money breeding Squabs
PLYMOUTH ROCK SQUAB CO., 348 Howard St., Melrose, Mass

FREE THIS PRACTICAL SQUAB BOOK

This 36 page book, nicely illustrated, contains valuable information never before made known to the public. If you have been unsuccessful in breeding squabs, get this book and start the year right. You cannot fail if you follow the instructions as given in "OUR SQUAB MANUAL." Sent to any address upon receipt of 10 cts. in postage, to cover cost of mailing. Melrose Squab Co., 24 Harvard Place, Dept. I. H., Buffalo, N. Y.

JUMBO SQUAB BREEDERS

are largest and fastest breeders. Every pair guaranteed mated and banded. Money makers everywhere. If you wish to be successful, start with our "Jumbo Homers." Send 4 cts. in stamps for our large ILLUSTRATED BOOK, "HOW TO MAKE MONEY WITH SQUABS." Address, PROVIDENCE SQUAB COMPANY, 772½ Hope St., Providence, R. I.

World Famed Nationals

Eggs at half price now from the best blood in America. Winner's at the largest shows on the continent. B. P. Rocks, White Wyandottes and Bronze Turkeys. Write for free 8 page circular.

S. B. JOHNSTON

Expert Judge, Route 4, FAIRLAND, IND.

...EGGS FOR HATCHING...

\$1.50 PER SETTING 15.

S. C. Black Minorcas, Blue Andalusians, R. C. Rhode Island Reds, R. C. Rhode Island Whites. 34 ribbons, 41 birds at late Nashville and Springfield shows.

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21 acres and all my time devoted to them. Won 21 Ribbons and Silver Cup last 2 shows. Eggs, Best Pens, \$2.00 per 15; \$5.00 per 50; \$8.00 per 100. Free Range, \$5.00 per 100. 75 big husky Cockerels at \$3.00 to \$5.00 each.

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My Reds are correct in type, color, size and breeding. Sold stock this season to several of South's foremost Red fanciers at fancy price and gave satisfaction. Pen No. 1 is all show birds fit for fast company. Eggs \$2.00 per 15. Pen No. 2 is nearly as good. Eggs \$1.50. I guarantee to sell cheaper than anybody, quality considered.

W. CSCAR ORR, Box 112, ROANOKE, ALA.

THE HONEY BEE

This department is edited by Mr. G. M. Bentley, University of Tennessee, Knoxville, who will answer questions referred to him. Persons desiring reply by mail must enclose 2c stamp.

BEE PUBLICATIONS.

THE INDUSTRIOUS HEN will be sent with the following:

PRICE FOR	OUR PRICE
THE TWO	FOR BOTH
\$1.50 Cleanings in Bee Culture, SM.....	\$1.00
1.00 The American Bee Keeper, SM.....	.75

NOTICE.

Those interested in bees may feel free to write to the editor of this Department and ask any questions they wish. In replying only initials will be published.

Suggestions for the Month of March.

Every bee-keeper should see to it that all his hives are in shape for the season; all brood frames and honey sections should be supplied with foundation; any equipment needed for the coming season should be ordered at once. During this month the first brood will be formed, therefore it is necessary that the colonies shall be kept warm. On windy and cold days the entrance of the hive should be reduced. Upon the approach of very cold weather some additional protection should be given, as a blanket or piece of carpet thrown over the hive. Do not open the hives on cool days. By lifting the hives ascertain the amount of honey in the frames and be sure to feed if the supply is getting low. This exceptionally warm March weather is likely to be followed by cool weather, hence every precaution should be heeded for protecting the colony and the young brood.

At this time the indications are very favorable for a good bee year; my bees have wintered in the best of condition, they have been gathering pollen for ten days.

Short Course in Bee-Keeping at the University of Tennessee.

For the third year a course in Bee-keeping has been given at the University of Tennessee under my direction. In 1906 there were six students in attendance who took the regular work and others who desired to, but were unable, due to conflicts with other studies. In that the subject had never been given before in the University, the equipment was limited and few facilities for the practical demonstration of the work. Notwithstanding all these and many other drawbacks, the students showed much enthusiasm and conclusively proved the long felt need for just this kind of a course. The class the following year opened with ten, and as in the preceding year, many were debarred on account of conflicting classes, both with the short winter course and the regular courses of the University. During the second year the work was more thoroughly entered into, the equipment having been increased and facility made for more or less practical work with bees and the use

of apparatus. Besides the regular class room work and the practical exercises, many excellent lectures were given by non-resident, practical bee keepers. A prize of ten dollars was offered by the A. I. Root Co., to any member of the class who should submit the best essay upon "The Value of Honey Bee to the Farmer." This prize was awarded to Herman Work, of Knoxville.

The class of this year (1908) is made up of men and women from many different parts of the State. Unusual interest and enthusiasm has been shown in the course just closed. More time has been devoted to the work, both in the class room and the practical side of bee-keeping, especial attention always being given to Tennessee conditions. Lantern slide views, charts, models and free hand sketches have been features added to the course to make all the operations simple. One special addition of the equipment has been the large wire cage, in which the handling of living bees could be safely and clearly seen by all. A second prize was offered by the A. I. Root Co. this year, the subject of the essay being, "Why Bee-keeping Should Be Encouraged in Tennessee." The awarding of this prize has not been made. This year's class has been the largest and best yet, the sixteen students in attendance represent a larger portion of the State than those heretofore. A State Bee-keepers' Association has been formed as a result of the interest shown by the members in the course, and the great need of such a State Association as shown by the results of the statistics gathered from the bee keepers of Tennessee by the State Board of Entomology.

The following is the enrollment of the 1908 class in Bee-keeping:

Miss Fannie Kate Pryor, Jasper; Miss Ethel Hoskins, New Market; Mr. J. J. Carpenter, Parrottsville; Mr. David Alexander Souders, Knoxville; Mr. Edgar L. Stevenson, Elkton; Mr. Edward S. Ezell, Chapel Hill; Mr. M. M. Susong, Greeneville; Mr. Henry Cook, Springfield; Mr. Onessus H. Logan, Persia; Mr. H. H. Tipton, Church Hill; Prof. W. F. Barton, Knoxville; Mr. J. A. Dinwiddie, New Market; Dr. A. S. Chime, Knoxville; Mr. James F. Berry, Fountain City; Dr. R. S. Wallace, Rutledge; Mr. B. M. Ewing, Fountain City.

Question: 1. Please let me learn through the columns of your paper how to get rid of weevil (little light colored worm) in bees. 2. Do roaches injure bees?—Mrs. A. B. Saffell, Dryden, Va.

Answer: 1. Your colonies are weak and the bee-moth has made an attack. Remedy—Be sure the colony has a queen and transfer the colony to a clean hive and build it up. Strong colonies are never affected by the bee-moth.

2. Roaches never bother strong colonies. The indications are your colonies are weak. Remedy same as above.



E. E. CARTER

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FIRST COCK

FIRST PULLET

FIRST HEN (TIE)

4th Cock; 2nd Cockerel, (tie) 3rd Pen at Knoxville Jan. 8-11, 1908.

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KNOXVILLE, TENN.

Member American S. C. Brown Leghorn Club.



S. C. R. I. REDS AND R. C. W. LEGHORNS.

If looking for the finest, write for my free folder. At the recent show at Knoxville, Tenn., my Reds won 2nd and 3rd ckl; 3rd pul. (tie); 2nd pen, and of the four badges offered by the R. I. Red Club of America, I won three—best shaped male, best shaped female and best colored female.

At the Virginia-Tennessee Show held at Bristol, my Reds won 1st and 4th ckl; 2nd and 4th pul; 1st pen and three of the club badges—best colored male; best colored female; and best shaped female.

My Leghorns always win about everything in sight.

Of the three silver cups offered by THE INDUSTRIOUS HEN Co., at the recent Knoxville show my birds won two—the Leghorns winning best display in Mediterranean class, and Reds and Leghorns combined winning best general display.

Eggs \$2.00 per 15.

SAM M. COOPER, Box H, Fountain City, Tenn.

STRAWBERRY PLANTS

Strawberry, Dewberry, Blackberry, Raspberry, and Fruit Trees. First-class stock, true to name. Ready to Ship NOW. I ship safely to all parts of the country. Write

JOHN LIGHTFOOT,

R. F. D. Dept. II, East Chattanooga, Tenn.

THE KENNEL

This Department is conducted by **WALTER J. HUNTER**, Johnson City, Tenn., to whom all queries should be addressed.

Inheritance of the Dog.

By the environment of his forbears for generations back, you may know the dog. An Eskimo or Sledge Dog, or a Chinese Chow Chow could never create the deep friendship that a Dechound, or an Old English Sheep Dog, or a Collie, or a Bulldog, or a Terrier is capable of inspiring. Years before any of us were thought of, the sledge dog was a beast of burden, tolerated because human lives depended on his "motor" power, begrudged the necessity wherewithal to keep his "machinery" in good order, and treated not as a companion, but as a pariah and as a brute without feeling, without thought, without hope. How expect a descendant of these half-starved, cuffed, and buffeted animals not to shrink from the uplifted hand and treat with suspicion all friendly overtures? All man has done for him and his forbears has been to play the brute and make life a dreary bondage. And in all parts of the globe where the struggle for life is most desperate, and people—according to our estimate—are brutes or semi or whole savages, so are the dogs of that people. Persian wolfhounds, chow chows, "dingoes" in the wilds of Australia, Tibet mastiffs, Russian sheep dogs, Samoyedes, all more or less dread man, who many years ago beat them into subjection, not affection.

With the \$500, \$1,000, and \$2,000 champions and their brothers and sisters and cousins who made last month's Westminster Kennel show the success it was, the story is different. Neither they nor their ancestors have known what it is to turn cannibals to avert starvation. Man did not beat them into drudgery. Man warmed to them and they gave all to man. And of the 2,000 dogs gathered together from here, there, and everywhere, there was probably not a dozen, who would churlishly snarl at a stranger's greeting.—*Everybody's*.

Lost Men Saved by Dog.

A message tied around the neck of the emaciated and partially frozen dog which entered Gardnerville yesterday gave the clew that has led to the rescue of Chris Jepperson and Jack Reynolds, the miners who were lost in the snow at Lone Pine and who were searched for by the posse all last night. When found early this morning Jepperson and Reynolds were lying in a dying condition on the floor of a cabin at the Winter's mine. Jepperson, who is from Reno, was resuscitated with little difficulty, but Reynolds did not recover until after the rescuers labored all night. Tonight that dog is the hero of the hour in Gardnerville. When Jepperson and Reynolds reached there this afternoon, the latter cried for the animal to be brought to him, and he caressed it with the affection of a child. The animal was beribboned and fed with the daintiest foods, and Jepperson says that as long as he lives the canine shall never be in want.—*Virginia City (Nevada) Chronicle*.

Said an instructor in a preparatory school in Brooklyn: "I once asked a boy to explain, if he could, the difference between animal instinct and human intelligence. It was a pretty hard question, but the lad was equal to it. 'If we had instinct,' he said, 'we should know everything we needed to know without learning it; but we've got reason, and so we have to study ourselves most blind, or be a fool.'"—*Harper's Weekly*.

—AT STUD—

Imp. Scottish Alton Monty

A. K. C. S. B. 92455

Monty is a typical sable and white Collie. He is large, strong, with a perfect head and ears, and a beautiful rich golden color, and has won many first prizes, his last being at the dog show, Knoxville, Tenn., Sept. 21, 1907. He throws well marked, strong, vigorous puppies. Fee \$10.

For further particulars or pedigree of Monty, address the

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The best tri-color, and sable and white puppies we have ever raised—from prize winners and by the great stud dog "Scottish Alton Monty," an imported first prize winner in hot competition. Biltmore Queen, Parbold Daisy, Caledonia Lena, and Beauty Bright II are prize winning bitches. Six weeks old puppies \$10 to \$25. Book your order now.

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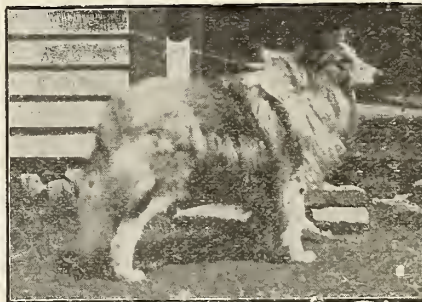
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The editor of *The Dog Fancier* has a preparation that will positively remove all fleas from dogs and cats. It is harmless to the animal or coat. Sent, postpaid, for 50 cents. *The Dog Fancier* is a monthly illustrated publication, devoted solely to dogs. Now in its 17th year. Will send you a sample copy on request. Subscription price 50c a year. Address the Editor, EUGENE GLASS, BATTLE CREEK, MICHIGAN.

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LAWSON'S BLUE RIBBON STRAIN

S. C. W. LEGHORNS

had another victory at the banner show of the South, winning club cup for the 10 highest scoring birds in show, also 1st pen, 1st ck, 2nd hen, 2nd, 3rd, 4th pullet, 3rd ck. 11w, Mr. Exhibitor, if you want to win next year, I have all my winners at Bristol, Cleveland, and Knoxville, in my yards, and you can get eggs from these very birds at \$3.00 per 15.

A. J. LAWSON, Prop. R. 7, BOX 66., CLEVELAND, TENN.

Single Comb Rhode Island Reds

Young stock and eggs from Standard bred exhibition pens. Won 2nd pen, Jan. 1907, and 2nd pullet Jan. 1908, in hot competition.

Miss Rose Wallace

Harriman, Tennessee

THE KENNEL REVIEW

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DYER, TENN.

BOYS' DEPARTMENT

Address all communications for this Department, or concerning the Boys' National Poultry Club, to ROBERT G. FIELDS, 33 Caruthers Ave., Nashville, Tenn.

News Among Our Members.

Archie E. Vanderbilt, chairman of our Executive Committee, is an annual exhibitor at the New Berlin, New York shows. This year he won, in a class of one thousand birds, on fifteen entries, the following prizes: Partridge Wyandottes—1, 2 ck; 1 ckl; 1 hen; 1, 2 pul. Silver P. Wyandottes, 1 ck, 1 hen, 1, 2 pul. Columbian Wyandottes, 2 ckl. Single Comb Brown Leghorns, 1 ckl, 2 hen; also club special for Champion Partridge Wyandotte male and eight other special prizes.

The competition for the Club ribbons offered at Charlotte was good, and I hope this Association will get one of our sets next winter. The boys turned out in force here and made some fine winnings so that I may publish them in this department. The club ribbons offered at Charlotte went as follows:

First, Carl Alexander; second, Flynn Elliott, and third, James Squires. I understand that all three made an excellent showing. Carl Alexander showed bantams, and won special for best collection; Elliott showed ducks, pigcons and bantams, and Squires showed Buff Orpingtons, winning first pen.

From present indications the coming meeting of the Executive Committee, will be rather lively. I have already received several proposed by-laws, which I am requested to put before said Committee. If you know of any which you would like to see passed, send them to me and I will put them before the Executive Committee for you.

Our Vice-president, Frank A. Potts, entered four female Barred Rocks of his pullet-breeding strain at Charlotte, N. C., and won the special offered for the four best Barred Rock females shown by an exhibitor under twenty-one years of age.

Our Canadian members are taking great interest in the Club, notwithstanding the fact that they are themselves members of the C. R. P. C. and I might add that they have in many ways helped our Club. We want more Grieves and Crosbys.

I recently received a show report from one of our Wisconsin members which is extra good, so I give it here. At the Oconomowoc, Wis., show, his winnings were as follows:

First cockerel, 2 hen, 1 pul (tie), 2 pul, 3 pul (tie). At the Delavan, Wis., show he won on six entries 1 ckl, 1 hen, 1 pen, 1, 2, 4 pul, also specials for the following: Highest scoring male; highest scoring female; best colored male; best colored female; best shaped female. These winnings were made on S. S. Hamburgs, the property of Arthur C. Menler.

Breeding S. S. Hamburgs.

When the chicks are first hatched, that is, until they are thirty-six hours old, I feed nothing. Then I feed rolled crackers and broken rice once a day for about three days, then comes a little hard boiled eggs about once a day, mixed with a little boiled potatoes.

For a while I feed chick food, then I feed the next larger grade, and find that the chicks always stay strong and grow to a large size.

The pullets start laying when about six and one half or seven months old and keep on all winter. Then in winter I supply a warm house and give plenty of fresh water. I separate the hens and pullets, as the pullets require better feed so as to promote growth and egg production.

ARTHUR C. MONIER.

A Summary of Our Work.

When the Boys National Poultry Club started in November, 1906, by one small article appearing in THE HEN, even our most sanguine hopes would not come up to the facts that have since been realized by this organization. Following the above mentioned article another and longer one was printed in THE HEN; it was then that the Editor made us the offer of a reduced subscription rate, which we greatly appreciate.

Following the articles already mentioned we had others printed in *Fancy Fowls*; *American*

Poultry Journal; *The Inland*; *Commercial Poultry*; *Successful Poultry Journal*; *Poultry*; *Dixie Poultry Breeder*; *Southern Poultry Magazine*, and *Poultry Monthly*. It is needless to say that all these articles have helped us immensely.


Last fall the Club was presented with one hundred neat membership cards free, by one of its members, Mr. Walter L. Hay. Then comes our catalogue, one of our greatest achievements. Considering our small fee (25c per year) this catalogue shows what an enterprising organization we have gotten together. This is not bragging and conceit, but a plain statement of facts, as all will find who care to investigate farther.

ROBERT G. FIELDS, Sec. and Treas.

BLACK LANGSHANS AND ROUEN DUCKS

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\$1.50 PER 15.

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All correspondence should be addressed to Reginald Forwood, Garfield, Ark., and if a direct answer by mail is required a remittance of 25 cents should be sent.

Angoras Thrive on all Kinds of Soil Except Wet Land.

The Angora goat industry has developed remarkably during the last five years, and it is estimated that there are now in this country about 1,000,000 Angoras, distributed in all the states and territories. The largest flocks are in Texas and New Mexico, but the northwest has also successful flocks, and no part of the country is unfitted for them. Angoras endure extremes of heat and cold and thrive on all kinds of soil except wet land. They prefer rocky land covered with brush. By nature they are climbers and browsers. The densely covered rough lands of the South, the worn-out farms of New England and the "stumpage" districts of Michigan and Wisconsin are especially adapted to them. Their habit of browsing makes them valuable for clearing land of brush. Their chief value, however, lies in their long, silky fleece, which is known as mohair.

Mohair is largely used in the manufacture of plush, imitation astrakhan and mohair dress goods (brilliantines). The United States produced in 1899 961,364 pounds of mohair, worth \$267,875, or 27.8 cents a pound. In 1905 our factories used 1,886,975 pounds of domestic mohair, showing a considerable increase in production, but in the same year the factories used 3,061,910 pounds of imported mohair. The total imports of mohair in 1905 were 2,625,575 pounds, with an average value of 28.5 cents a pound. The present import duty on mohair, subject to increase under certain conditions, is 12 cents a pound.

A bulletin (No. 27 of the Bureau of Animal Industry) of information concerning the Angora goat has recently been published by the Department of Agriculture. It is a revision of the original bulletin by the late George Fayette Thompson. It is fully illustrated and includes many valuable details of the management of flocks, the uses of the fleece and the carcass, localities in the United States adapted to the goats and other points.

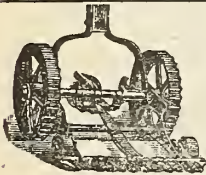
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and disinfecting with the new "Kant-Klog" Sprayer gives twice the results with same labor and fluid. Also for spraying trees, vines, vegetables, etc. Booklet free. Address

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FOR SALE

S. C. B. LEGHORNS



Winning at the St. Louis, Mo., Show, Nov. 25-30, 1907; 1 and 2 ckl., 1, 2 and 3 pullet, 2 hen. At the Bristol, Tenn., show, Dec. 8-12, 1907, 1 ckl., 1 hen, 1 ckl., 3 ckl., 1 and 2 pullet, 1 pen. Ckls. and pullets for breeders, the same line of blood. Eggs \$2.00 to \$5.00 per setting per 15 eggs. Call for free circular and get show record.

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My matings for this season are the best I ever owned. My pens are headed by Blue Ribbon Winners from Boston, Chicago, Indianapolis and St. Louis shows. More prizes in 1908 than any Houdan breeder in America. Highest egg-record strain of Houdans in the world. Catalogue free.

SINGLE COMB BUFF ORPINGTONS

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Winners at New York, the Jamestown Exposition, Indianapolis, Scranton and other large shows, winning 12 color specials out of a possible 20, or more than all other exhibitors combined at 10 of the largest shows in the country. This season proves that we have the color. At Indianapolis we won 1st cockerel, 27 in the class; 1st pen, 9 in the class, and color special on male, 49 males competing.

Write for mating list. We guarantee a good hatch.

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As a special inducement to old and new subscribers alike we have arranged to send *The Industrious Hen* and *The Southern Planter*, Richmond, Va., one year for 50c.

We recommend *The Southern Planter* as one of the best farm publications in the South. Send to them for sample.

All subscriptions should be mailed to

THE INDUSTRIOUS HEN
Knoxville, Tenn.

A \$50,000 White Orpington.

The following article is taken from a recent issue of the New York *American-Examiner*, and is a most remarkable, though not an impossible story:

"I would not take \$50,000 for Peggy, my white hen. This sounds absurd. But consider a moment and you will see yourself that she earns a yearly income of more than that sum," said Mr. Kellerstrass.

"In the first place, Peggy lays 225 eggs a year, and each egg is worth five dollars. That is a \$1,125 income from eggs. Mmc. Paderewski, the wife of the pianist, paid me \$7,500 for five of Peggy's chickens in one day. I have already told you enough to show you that Peggy's earning power is much greater than the average lawyer, doctor or minister.

"Peggy is as carefully groomed, fed and nursed as any indulged child. But why shouldn't she be? If even one feather on her body should be broken or plucked out, it would damage her \$2,000 worth. Remember, she is the perfect hen—she has traveled the world over and won the championship in China, England, the European Continent and America.

The remarkable hen, Peggy, is owned by Mr. Ernest Kellerstrass and lives in Kansas City, that is when she isn't traveling all over the globe capturing prizes. She is a white Orpington and weighs eight pounds.

Can you fancy chicken meat at \$625 a pound. And yet it is true. This crystal white Orpington in Kansas City is worth over \$5,000. Her name is Peggy—pretty Peggy—and she has won blue ribbons at poultry shows from Hong Kong to Chicago.

Peggy is an aristocrat among hens. She is blue-blooded and pink-toed. Numerous learned poultry judges have turned back her feathers and not a one found any broken. A society woman begged a feather from Peggy's plumage. Ernest Kellerstrass, owner of this prize bird refused her, saying:

"One feather plucked from Peggy's plumage would damage her \$2,000. To be perfect in plumage as she is to-day Peg has not a broken or missing feather."

There is no hen (or rooster either) in the world that has traveled as far and as much as Peg, the world prize winner. She has been exhibited as "Peg" in Hong Kong, Honolulu, London, Chicago, New York, Jamestown and Kansas City. She has won first prize at all these cities in their poultry shows. Peg has scored 97 1-4, which is almost a perfect score.

According to the rules of the American Poultry Association, a perfect Orpington hen in every respect should register eight pounds in weight, have large eyes, five points in her single, red comb, well-rounded wattles, and an arched neck, medium in length and tapering, a broad long back rising toward the tail, shanks and toes free of feathers, pinkish toes and legs and perfect white feathers all over. In dress and form Peggy is the perfect hen. She can go on dress parade any day following her bath and rub down, and put any other hen in the world into second class. Peg is model in form and chic appearance.

The hen lives the life of a blue-blood aristocrat. Since a few years ago, when Mr. Kellerstrass, who is the originator of the crystal white Orpington family of chickens, found that Peg possessed all the points of a prize winning bird, she has been petted and pampered and has traveled much. She is one of the few chickens in the world that has been handled by royalty.

In Pekin three years ago Peg was given a special audience with the Empress of China, who marveled at her plumpness and perfect shape. In London, at the Poultry exhibit, the Princess of Wales, an enthusiast in poultry, fondled Peggy even before the judges had attached the blue ribbon, and Kellerstrass, had he not been a millionaire and in love with his bird, could have parted company with her then—as a poultry fancier offered him an astounding figure. Coming to New York last year Peg took the blue ribbon and silver cup at Madison Square Garden; at Jamestown she won sweetstakes, and at the Chicago show she carried off the gold medal for being as near perfection as any grown bird could be.

One secret of making and keeping a perfect bird is care. Peg has all the attention one of her reputation and value could. She has her private yard in which to play and scratch worms, she has a man to sponge her and manure her toes and beak every day, and a maid to give her a walk about the farm once or twice a week.

A young man, an expert poultry raiser, has exclusive charge of Peg. He has nothing

else to do. He has a silver manicure set with Peg's name engraved upon the instruments which are used daily in keeping her beak well rounded and polished like satin. Peg also includes in her toilet outfit a beautiful cut glass sprayer, a present from a wealthy woman admirer in New York. Her feathers are sponged and sprayed every day, and her beak polished with charcois skin.

Peg's valet about once a week thoroughly manicures her legs. A dainty face paint is used in coloring Peg's legs and comb when she is put into the show pen. So famous did Peg become at the London show two years ago that she was made the subject of a special interview between her owner, Mr. Ernest Kellerstrass, and several learned members of the House of Commons, who asked him to address them upon the manner in which he grew such a perfect bird.

Peg lays about 225 eggs every year. Every egg could be readily sold for \$5 should Mr. Kellerstrass so desire, but none of the eggs are ever permitted to get away from his farm. He locks them in a vault and they are hatched out in a special incubator and guarded by the trusted valet. The owner of Peg wishes to become possessed of the finest birds of the Crystal White Orpington family, hence he has protected so jealously this world prize winner, and her eggs.

Peg also has a cook to prepare special food. The finest porterhouse steaks are ground and broiled for her, toast is made from the finest flour, corn mashed and the hulls removed, and dainty fresh tropical fruits constitute her diet. The average cost of a meal for this prize bird is twenty-eight cents. This is exclusive of additional expenses, and approximates the daily allowance for food for a sailor in the navy.

Peg's valet is paid \$65 a month, and it costs to maintain her travels and expenses and those of her retinue, about \$1,800 per annum. Recently offers have been made to gain for her a \$5,000 accident policy, and a New York company is preparing a special policy for Peg—the only hen ever insured.

An ardent admirer of Peg is Mme. Ignace Paderewski, who recently visited Mr. Kellerstrass at his country home near Kansas City and carried away to Switzerland five Orpington descendants of Peg at a cost of \$7,500. It was the Polish pianist's wife who bid \$5,000 for Peg, but the owner refused. He says \$50,000 would not buy her, because she is not



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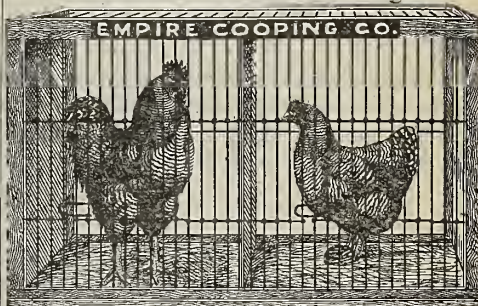
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At the great Jamestown Show, Oct. 23, 1907, won 1st and 3rd cock; 1st hen, 1st and 2nd cockerel, 5th pullet and 56 other prizes and specials at five other shows this season.

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A Clean Sweep. White Holland Turkeys. 2nd Tom and 2nd Hen. High Class Pekin Ducks and Winter Laying White Wyandottes.

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is a hen's natural work. Cut bone is the raw material she needs to make her lay an egg a day. A **CROWN BONE CUTTER** will prepare the food from scrap bones quickly, easily. Write for catalog—tells about the Crown.
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EXCLUSIVELY
As Good as the Best.
EGGS, Fresh Pen, \$5.00 per 15.
EGGS, Utility, \$2.00 per 15.
A. M. PEARSON, -- SYLACAUGA, ALA.

LANGFORD'S RHODE ISLAND REDS SINGLE COMB ONLY

Won at Madison Square Garden, New York, 1st prize Cockerel.
 Jamestown: 1-4-6 cks.; 4 and 6 pullets; 3 cock; 3rd hen. Shape and color special on male; also cup.
 Fort Worth, Texas: 1st cock; 2nd hen; 1-2 cks.; 1-3-4 pullets; 1st pen.
 Nashville, 1908: 1st cock, 1st hen, 1-3 cks., 1-2 pullets, 1st pen. Three (3) Silver Cups. Our yards are mated and are the strongest we have ever handled. EGGS FOR SALE. Write for new illustrated catalogue.

FRANK LANGFORD, R. R. 10, NASHVILLE, TENN.

KENTWOOD POULTRY FARM

J. H. MILLER, Prop. - KENTWOOD, LA.

BARRED, BUFF AND WHITE PLYMOUTH ROCKS SILVER, GOLDEN AND WHITE WYANDOTTES

Light Brahmans, Buff Cochins, S. C. White and Brown Leghorns, S. S. Hamburgs; S. C. Black Minorcas, Cornish Indian Games, R. C. R. I. Reds. Eggs: \$2.00 to \$5.00 per setting of 15, or \$8.00, \$10.00 and \$12.00 per one hundred for incubator use. Stock for sale and some great bargains in cocks and cockerels of all breeds that we handle.

POLAND CHINA HOGS

Best blood line in America, pedigreed and registered, moderate prices.

THE FINEST DOG KENNEL IN THE SOUTH

Fox terriers, the finest ratters on earth. Scotch Collies; sable and white; black and white; and tri-colored. Pointers of the best breeds, all pedigreed and registered. We also have a fine flock of Toulouse geese.
 WE GUARANTEE EVERY SALE AND WANT NO DISSATISFIED CUSTOMER.
 Plenty of stock for sale; write us your wants.

for sale. He was five years in attaining this successful breeding and through her hopes to raise a number of equally perfect Crystal White Orpingtons. Mr. Kellerstrass has 4,800 chickens of this family, and Peg is the most perfect. She is therefore all the more prized by her owner.

With all these facts the reader may still be at a loss as to why people should put such astounding values on a bird and her offspring. Even if she has the precise form and weight of the theoretically perfect Orpington hen and the exact complement of feathers, still is that a good reason why a sane man should refuse to take \$50,000?

Mr. Kellerstrass is a practical, hard-headed business man, who will sell his stocks and bonds the moment he thinks the market price is higher than they warrant or than it will be later, and yet you couldn't get that hen away from him, except by violence, for \$50,000. He says that a perfect hen, or a perfect animal of an egg or meat producing species is of incalculable worth, because it is so much better than the average mongrel breed that the difference in result to later generations when the descendants of perfect creatures have supplanted the mongrels that the nation will be millions of dollars better off each year on account of it.

Cattle a hundred years ago were small, scrawny creatures of light weight and poor milk and meat producing capacity. By infinite pains and care here and there breeders have evolved animals that surpass the average, and the descendants of these more perfect beasts have gradually driven the others from the face of the earth.

In each case the breeders of the improved animals have discounted the future benefits in a slight degree by the higher prices and the greater value of their prize beasts.

Yet no one of them all has been perfect or near enough perfect in any way to compare with Peggy, the wonderful, white Orpington. So Mr. Kellerstrass considers himself in the same position as the inventor of a revolutionizing machine and as long as nobody can steal one of his five-dollar eggs or get hold of Peggy herself he controls the output of perfect Orpington hens. Patent rights are dubious things, subject to court decisions and infringements, but nobody can imitate Peggy, nor can they steal her, because anybody who knows anything about chickens would call the police the moment he caught sight of her, as her loss would be cabled the world over and alarm the poultry world.

Peggy's owner thinks it a pity that so much expense and time are spent in breeding useless and what would be, except for foolish fads, worthless animals. The pains taken in developing some of the pitiful, miserable, little lap-dogs, wretched caricatures of the noble canine at which no self-respecting cat will deign to arch her back, would add twenty pounds of meat to the average steer or a quart of milk to the cow if the effort had been in these legitimate directions.

RED HILL POULTRY FARM

W. B. SLOAN, Proprietor. Breeder of Prize Winning, heavy laying S. C. BUFF ORPINGTONS exclusively. My Orps are bred to lay and they always win. If you want the best goods for the least money in both stock and eggs write me. Eggs \$1.50 per 15; \$8.00 per 100. Stock at your price.

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WOODCOTE POULTRY YARDS WHITE WYANDOTTES EXCLUSIVELY

Nashville, Dec. 1907:—1st cock, 1st and 2nd cockerel, 1st hen, 1st and 2nd pullet, 1st pen, and silver cup.

Nashville, Jan. 1908:—1st cock, 1st and 2nd cockerel, 2nd hen, 2nd and 3rd pullet, 2nd pen, and

NATIONAL WHITE WYANDOTTE CLUB SILVER CUP FOR FOUR BEST WYANDOTTES

This indicates the quality of my stock. Eggs from them now means prize winners at the Fall shows. They win for me and they will win for you. Eggs for hatching a specialty.

THE SIRE OF THESE PRIZE WINNERS HEADS MY 1st PEN.

Mrs. Wm. R. LUKE, R. F. D. No. 5, Nashville, Tenn.

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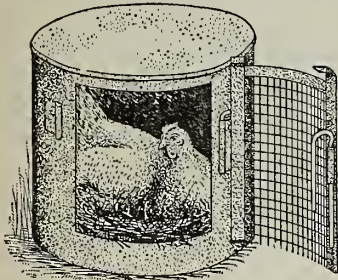
→ S. C. BUFFS EXCLUSIVELY ←

My breeding pens this year will include such birds as 1st cock, Indianapolis, '07. All my winners at Richmond, '08. Only place shown this season. Send for mating card for further particulars. Eggs will be shipped from nothing but the best. \$2.50 per setting of 15.

B. S. HORNE, KESWICK, VIRGINIA.

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The poultry raiser should be perfectly acquainted with his flock. He should know which hens are profitable to keep and which should be weeded out. He wants to keep good layers for they are the only profitable ones. He wants to know the hens that lay the greatest number of eggs during the year. He wants to know whether the eggs are large or small, perfect or imperfect in shape, fertile or infertile, thick or thin shelled, etc. The trap nest enables him to know these things. He wants a trap nest that may be used for all purposes, trapping, laying and setting. He



wants those that are not expensive so that he may fit up his house with them and use no other. The Hoskins Combination Nest meets all these requirements and more. It is LICE and MITE proof as well as RAT, SNAKE, &c. The nest being round the hen covers more eggs than in a square nest. It retains the moisture causing the eggs to hatch well. Made of galvanized steel it will last for years. The trap door is simple, the hen entering closes the door. There is nothing to get out of fix about it. It is noiseless and sure to close when the hen enters. Write for prices to C. Hoskins & Co., 318 State St., Quincy, Ill. Dept. I.

Good Results in Ohio.

Oscar E. Miles, the famous Utopia strain breeder of B. P. Rocks and S. C. R. I. Reds, of Columbus, Ohio, in running his ad for another year says: "Your paper is giving splendid results, and it is with a great deal of satisfaction that I have advised—numbers of breeders to use your columns."

Your name and address classified in nearly sixty magazines, one whole year for \$1.00, and the Mansfield Real Estate Journal free. These magazines will reach in the year nearly twelve million people. Cupp's Advertising Bureau, Mansfield, Ohio.

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Orpington eggs, \$1.25 and \$2.50 per 15.
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Indian Runner Duck eggs, \$1.50 per dozen.
W. Wyandotte pullets, 90c and \$1.10 each.
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**EGGS
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\$1.00
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15--EGGS.**

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15-Eggs from pure bred Brown Leghorns—farm raised—have unlimited range—Strong and Vigorous—beautiful fowls—no better blood can be had for egg production. Incubator eggs \$6.00 100.

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15 Eggs from high scoring exhibition fowls—mated to produce show birds of highest quality—Circular free—gives matings and show record—get it to day.

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At the Orlando Poultry Show, Dec. 18, '07, our birds won as follows: 1st pen, 2, 3, 4, ck; 1, 2 hen; 1, 4, ckl; 3 pul. Both Red Club silver cups for best pen, and display. Specials for shape and color on male and color on female. Grand sweepstakes prize for highest scoring bird in the show.

Eggs From Special Matings \$2 per Setting.

LIMITED NUMBER eggs from our selected Prize Yard, headed by "Osceola," our champion Cockerel, and containing hens and pullets scoring from 92½ to 95, at \$5.00 per 15.

We make a specialty of incubator eggs at \$8 per hundred. Write for our free illustrated booklet, describing our birds.

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Largest Exclusive Breeders of Reds in the South

All birds standard bred, correct color, hardy and prolific. None but the best allowed to live. Send us your orders if you wish to start right. List of winnings, with matings for 1906 free.

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Large birds, greatest layers. Several choice cockerels for sale at from \$3.00 to \$5.00 each—bargains. Winnings: Bristol, Tenn., Dec. 1907, 1 and 2 cockerels, 1, 2, 3 pullets, and first pen. Knoxville, Tenn., Jan. 1908, 3 and 4 cockerels, 1, 2, 3, and tie fourth pullets, and first pen. Mated to these prize winning pullets is a 9 pound cock, perfect shape and excellent color. Eggs at \$3.00 per 15, or \$5.00 per 30. Guaranteed to hatch. Satisfaction or your money back.

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By mating our best layers to males from hens with records of 204 to 247 eggs in one year, we have developed in our strain, an inherited capacity for large egg production which makes them persistent layers the year around. Our circular tells more about them.

C. BRICAULT, M. D. V.
Andover, Mass.

Awards at Charlotte's Eleventh Annual Poultry Show.

Barred Rocks.—Blue Blood Poultry Farm, Charlotte, 1, 5, 6 hen, 2, 3 ckl, 2, 3 pul, 2, 5 pen. B. S. Davis, Charlotte, 1, 3 cks, 3, 4 hens, 1, 6 ckl, 1, 4, 5 pul, 1, 4, 5 pen. J. K. A. Alexander, Charlotte, 5, 6 cks, 2 hen, 6 pen. W. L. Ormand, 2 ck. B. Frank Kelley, 4 ck. Robbins & Jeffrey, 4 ckl. Dr. J. W. Lasley, Burlington, 5 ckl. Mrs. T. B. Smith, 6 pul.

Buff Rocks.—Robbins & Jeffrey, 1 ck, 3, 4 hen, 2, 6 ckl, 1, 6 pul, 1 pen. W. B. Alexander, 2 ck, 1, 2 hen, 1, 5 ckl, 2, 5 pul. E. P. Scholtz, 3 ck, 3, 4 ckl, 3, 4 pul, 2, 3 hen. T. H. Stroup, 5, 6 hen.

Partridge Wyandottes.—E. M. McGhee, Charlotte, 5 ck. W. H. Brice, 4 ck, 2, 4 hen, 4, 5 ckl, 5, 6 pul. Sandy Run Poultry Yards, 3 ck, 1, 3 hen, 1, 2 ckl, 1, 3 pen, 2, 3 pul. Z. A. Hovis, 1, 2 cks, 5, 6 hen, 3, 6 ckl, 1, 4 pul.

Silver Wyandottes.—Blue Blood Poultry Farm, 1, 2 cks, 1, 2 hen, 1, 2, 3, 4 ckl, 1, 2, 3, 4 pul. E. C. Simpson, 5, 6 pul.

White Wyandottes.—Robbins & Jeffrey, 1 ck, 2 hen, 1, 5 ckl, 2 pul. E. M. McGhee, 4 ck, R. W. Umphreys, 3 ck., 6 hen, 1 pul; J. K. A. Alexander, 2 ck., 3, 4 hen, 3, 5 pul; Hardin & Beal, 1, 5 hen, 4 ckl, 4 pul; D. A. Hodge, 1 pen; Dr. J. W. Lasley, 2 ckl; W. A. White, 6 pul.

Golden Wyandottes.—Nevin Poultry Yards, 3 ck., 2, 3 hen.

Buff Wyandottes.—H. G. Harper, 1 ckl, 3, 4 pul., 1 pen; Dr. L. W. Hovis, 1, 2 hen, 2, 3, 4 ckl., 1, 2 pul.

R. C. R. I. Reds.—W. L. Saunders, 1 ck., 3, 4 hen, 2, 3, 4 ckl., 2, 3, 4, 6 pul., 1 pen; E. R. Cash, 2 pen; Mrs. J. C. Deaton, 6 ckl, 3 pen; N. V. Sanders, 5 ck.; T. S. Bailey, 3 ck.; Oconeechee Farm, 2, 4 ck, 5, 6 hen, 1, 5 ckl., 1, 5 pul.; W. S. Todd, 1, 2 hen.

S. C. R. I. Reds.—E. M. Honeycutt, 2 ck., 3, 4 hen, 6 pul, 3 pen; Dr. R. E. Ware, 4 ck., 1, 2 hens, 1, 2, 4 ckl., 2, 3, 5 pul; C. H. Smith, 1 ck., 6 hen, 4 pul., 4 pen; E. R. Cash, 3 ck., 5 hen, 3 ckl., 1, 4 pens; J. E. Meredith, 6 hen, 5 ckl., 1 pul.

S. C. Broken Leghorn.—D. S. Thornburg, 2, 4, 5 ckl., 3 pul.; S. W. Brown, 2 pen; John P. Greene, 1, 2, 3, 4 ck., 1, 2, 3, 4 hens, 1, 3, 6 ckl., 1, 2, 4, 5, 6 pul., 1, 3, 4, 5 pen.

Buckeye Reds.—E. R. Cash, 2 ck., 3 pul.
S. C. Buff Orpingtons.—Hardin L. Coc, 1, 3 ck., 1, 4, 5 hens, 2, 5 ckl.; Miss Julia P. Jones, 2 ck., 3, 6 hen, 3 ckl., 4 pul.; C. A. Dixon, 2 hen, 3, 5 pul.; Blue Blood Poultry Farm, 1, 4, 6 ckl., 1, 2, 6 pul.; J. W. Squires, 1 pen.

R. C. Buff Orpington.—Blue Blood Poultry Farm, 1 ck., 1 hen.

White Cochon Bantams.—Carl Alexander, 1, 2, 3, 5 ck., 1, 2, 3, 5 hens; 1, 2, 3, 5 ckl.; 1, 2, 3, pul.; 1, 2, 4, 5 pens. Willie Osborne, 4 ck., 4 pen, 4 ckl., 4 pul.

J. F. Thomas, 3 pens.
White Rocks.—Thomas W. Miller, 4 ck., 6 pul. Y. E. Smith, 2, 3 cks., 1, 3, 4 hens; 1, 4 ckl.; 1, 2, 3, 4 pul.; 2, 3 pens. Blue Blood Poultry Farm, 1 ck.; 2 ckl.; 1 pen. J. W. Lasley, 2 hens. J. H. Lasley, 6 hens; 4 ckl. S. D. Wright, 4 hens; 3 ckl. Burke Garden Company, 5 ckl.; 5 pul.

S. C. White Leghorns.—L. N. Brown, 1 ck. J. N. Roberts, 2 ck.; 3 ckl.; 2 hen; 1, 4, 5, 6 pul.; 3, 5 pens. J. E. Thomas, 3 ck.; 6 ckl.; 4, 5, 6 hens; 3 pul.; 1 pen. Robbins & Jeffrey, 4 ck.; 1 hen; 2 pul. W. C. Garibaldi, 1, 5 ckl.; 3 hen; 4 pen. D. A. Hodge, 2 ckl.; 2 pen.
Black Java.—T. P. Dillon, 1 ck.; 1, 2, 3 hens.

Black Langshan.—E. M. McGhee, 1 ck.; 1 hen. T. P. Dillon, 2 ck.; 2 hen.

Buff Cochon.—Mrs. G. H. Dugdale, 1 ck.; 1, 2 hen; 1, 2 ckl.; 1 pul. C. W. West, 2 ck.; 3 ckl.; 2, 3 pul.

S. C. Black Minorcas.—C. H. Ledferd, 3, 5 cks.; 3, 5 hens; 3, 5 ckl.; 3 pul.; 1 pen. W. L. Boatwright, 2 ck.; 4 ckl.; 4 pul. George L. Dooley, 4 ck.; 6 hen; 5 ckl.; 2, 5 pul.; 3 pen. Nevin Poultry Yard, 4 hen. Sandy Run Poultry Yard, 1, 2 hen; 1, 2 ckl.; 1 pul.; 2 pen. J. Wallace Snellin, 6 pul.

White Indians.—C. W. Lancy, 1 ckl.; 1, 2, 3, 4 pul.

R. C. Black Minorcas.—George E. Bisenar, 1 ckl.; 1, 2, 3 pul.

R. C. Buff Leghorns.—Poole Brothers, 1, 2 ckl.; 1, 2, 3 pul.

Anconas.—Blue Blood Poultry Farm—1 ck.; 1, 2, 4 ckl.; 1, 2, 5, 6 hens; 1, 2, 5, 6 pul. J. H. Lasley, 3 ckl.; 2 ck.; 3, 4 hens; 3, 4 pul.
Buff Cochon Bantams.—Robbins & Jeffries, 1, 2 cks.; 1, 2 hens.

Silver Seabright Bantams.—L. N. Brown, 1 hen.

Red Pile Game Bantams.—Geo. Krueger, Jr., 1 ckl.; 1 hen; 1 pul.

Cornish Indians.—W. G. Duncan, 2 ck.; 2 ckl.; 3 hen. J. A. Puckett, 1 ck.; 1, 4, 5 hen; 2 pul. Nevin Poultry Yards, 3 ck.; 1 ckl.; 2 hen; 3, 4, 6 pul.



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in a "Mandy Lee" Incubator is its system of ventilation. It takes pure air into the hottest part of the machine and makes a perfect circulation down through and out at the bottom of the egg chamber (the coldest point in every incubator), thus tending to more nearly equalize the heat at the two extremes, and thereby eliminating to a large extent the undeveloped germs—the "dead in the shell" feature so common with other incubators and so discouraging to incubator operators.

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Incubators and Brooders

are chock full of individual and patented features—a dozen or more—every one just as important as that mentioned above.

The only Incubator in which heat, ventilation and moisture—the three essentials of a successful hatch—are under separate and absolute control of the operator all the time.

The only Brooder that furnishes direct contact heat to the backs of the chicks—cares for the little fellows better than the hen.

Experienced Incubator operators know these advantages and use the "Mandy Lee."

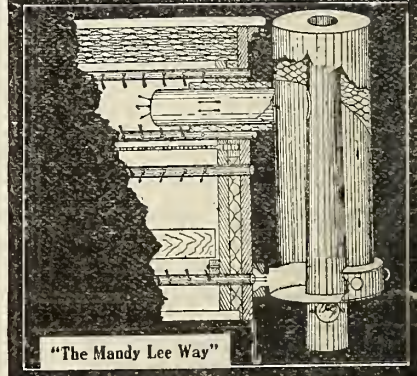
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The best built, most serviceable Incubator and Brooder ever manufactured.

Absolutely guaranteed.

Manufactured by

GEO. H. LEE CO., Box 28, Omaha, Neb.



MR. POULTRYMAN

THE \$1.00 YALE ADDING MACHINE

will add your accounts accurate and quick. Endorsed by Postmasters, Merchants, Business Men everywhere. Satisfaction guaranteed or Money back. Write for testimonials and particulars to-day.

YALE MFG. CO., NEWARK, N. J.



45 BREEDS BEST POULTRY

Fine book illustrates and tells all about poultry, feeding, care, diseases, our big premium offer. Low price for stock and eggs. Best way to rid poultry of lice, make money, etc., only 10c. JOHN E. HEATWOLE, Harrisonburg, Va.



No Tin Caps Required With

Vulcanite ROOFING

Making an Old Roof Better Than New

No matter how badly decayed the shingles or tin on the old roof Vulcanite Roofing restores the roof and makes it better than new, because it costs considerably less in the first place, and is cheaper in the long run because it does not require annual re-painting and constant repairing to keep it in good order. Vulcanite Roofing is made from a mineral substance—wears like the everlasting rocks and is wind, water, weather, acid and fire proof—won't freeze in cold weather or crack and peel off in dry weather. It is ready to lay and can be easily laid by anyone who can drive nails—packed in each roll are the nails and cement, all ready to begin business—nothing more to buy.

For every building on the farm that needs a good roof there is nothing that compares with Vulcanite Roofing in price, appearance and wearing qualities—it makes a handsome roofing—a better building. Try it on the new roof and save repair bills—on the old roof and make it better than new. For more proof write for samples and booklet—“The Right Roofing and the Reasons Why” giving a lot of good reasons why Vulcanite is right. The are both free.

Ask your dealer for Vulcanite, if he does not handle it, write to us.

Birmingham Supply Co., Dept. 59
 2014 Avenue A., Birmingham, Ala.
 7 N. Forsythe St., Atlanta, Ga.

Blue Andalusians—All to J. E. Meredith.
Pit Games—R. O. Colt, Jr., 1, 6 ck.; 1 ckl.; 1, 4 hen; 2 pul. Chas. Stroupe, 2, 5 ck. Robt. Peasley, 4 ck.; 2, 3, 5 hen; 1 pul. Joe Mason, 3 ck.
Pekin Ducks—Flynn Elliott, 2, 3, 4, 5 drake; 2, 3, 4, 5 duck. Burke Co., 1 drake; 1 duck.
Indian Runner Ducks—W. D. Troutman, 2 drake, 2 duck. D. P. Sherrill, 1 drake; 1 duck.
Bronze Turkeys—W. D. Troutman, 4, 5 tom; 2, 4, 5 hen; 1, 3, 4 young tom. J. E. Thomas, 3 tom; 3, 6 hen; 3, 4 young hen. Burke's Garden Co., 1, 2 toms; 1 hen; 2 young tom; 1, 2 young hen.
White Holland Turkeys—Flynn Wolfe, 1 tom.
Toulouse Geese—J. E. Thomas, 1, 2 gander; 1, 2 goose; 1, 2 young goose. Flynn Wolfe, 4 gander; 5, 6 goose. Oconeechee Farm, 3 gander; 2, 3 goose.
Homer Pigeons—Chas. Andrews, 1, 2, 3 ck.; 1, 2, 3 hen. I. N. Brown, 1, 2, 3 pairs.
Fontail Pigeons—J. E. Thomas, 1, 2, 4, 5, 6 ck.; 1, 2, 3, 4, 5 hen. Flynn Elliott, 3 ck.
Tumblers—Chas. Andrews, 1, 2, 3, 4 ck.; 1, 2, 3, 4 hen.
Pouters—Chas. Andrews, 1, 2 ck.; 1, 2, 3 hen; 3 ckl.

HATCHING CHICKENS UNDER DIFFICULTIES

A Big Blow That Levelled Houses and Shook Up the Machines—But Still They Hatched, Though One Was Nine Years Old.

Steady must have been the temperature and superior the construction of the incubators that could withstand such battering as happened to the poultry houses referred to herein on January 19th, last, when the district was visited by a terrible windstorm. Mr. Sam McEwen writes about it as follows:—

“Sysonby Gardens, Va., Feb. 8, 1908.

Cyphers Incubator Co., Buffalo, N. Y.
 I am sending you a view of our brooder house, inside and outside; also our hen house, 214 feet long; also our scratching shed, 214 feet long. We have Barred, Buff and White Rocks, also White Leghorns. We gathered about \$18.00 worth of eggs in January. We have eleven of your incubators. I have five 244-egg machines going now and one 144-egg. I am getting ready to set three more 244-egg incubators. They are the best I have ever seen. I bought my first one about nine years ago and must say they are the simplest I have ever used. I am also sending you a view of the shed that was destroyed by an awful windstorm on January 19th. We had a hatch coming off on the 25th. When we went down to the incubator room at ten minutes to one we gave up hopes of any chicks from those incubators, as they were under the windows (both windows were blown open and the wind and rain pouring in), but the 27th found the chicks hatched hale and hearty—a good per cent. You can use this and the views if you desire. Our young chicks are doing finely.
 Yours very truly,
 SAM MCEWEN, Mgr.”

Readers may wish to know more about these splendid incubators. If you are interested in the poultry business get all the information you can. By so doing you Make Money or Save Money. In buying poultry or eggs would you not like to see the faces of the men you deal with—the leading breeders? The photograph of a man reveals his character. Pictures of their poultry farms may help you. Views of the biggest duck plants are always interesting. Sayings and doings of Government Experiment Station Experts and illustrations of their plants will help you. In buying an incubator you should know how it is made; how long it will last; how easy it is to operate; how much it costs, and how it will hatch.

There are things in the poultry world you may never have heard of, such as the Cyphers Electric Hatching Machines, a new invention, but most simple. Just a case of hitch on your electric light wire and “there you are.”

There are books on most subjects but we don't know of one that contains so much of ALL these subjects as the 1908 Catalogue of Cyphers Incubator Company. Certainly there is none so cheap, for although it contains 212 pages liberally illustrated it is FREE if you mention this paper. It contains full descriptions of poultry supplies, incubators, brooders, etc., made by this well-known and reliable firm. When writing for this big Free Catalogue address Cyphers Incubator Company, Buffalo, N. Y., Boston, Mass., New York, N. Y., Chicago, Ill., Kansas City, Mo., or Oakland, Cal.

Wilson's White Leghorns.
 (Single Comb.)
WON

At the Great Knoxville Show, January 8-11, 1908,

IN HOT COMPETITION
 WITH THE SOUTH'S MOST NOTED BREEDERS

1st and 4th Cockerel, 3d Pullet and 3d Pen

New blood will improve your flock. Buy now some of my

HIGH SCORING COCKERELS AND PULLETS
\$2.00 TO \$10.00
 FOR EGG PRODUCERS AND SHOW BIRDS

They have no superiors. **EGGS \$3.00 FOR 15**

Order early and hatch some March and April chicks for the Fall Shows. I will offer valuable money prizes at the next Knoxville show for best cockerel and pullet hatched from eggs bought from me.

JAMES A. WILSON, Oliver Springs, Tenn.
 Member of National Single Comb White Leghorn Club.

List of Winners Jefferson County Poultry Show, Dec. 11-12-13-07.

Barred Rocks—Jno. W. Godwin, Jr., Knoxville, Tenn., 1 ck, 1 ckl, W. A. Hudson, Jefferson City, Tenn., 1 pen, 2 ck, 2 ckl, 1, 2 hen, 1 pul. H. A. Groseclose, Morristown, Tenn., 2 pen, 2 pul.

White Rocks—L. A. Dick, New Market, Tenn., 1, 2 ck, 1, 2 hen, 1 pul, 1, 2 pen. Mrs. J. S. Susong, Newport, Tenn., 2 pul.

S. C. R. I. Reds—J. A. Dinwiddie, New Market, 1 ck, 1, 2 hen, 1 pul (tie), 2 pen. Mrs. J. J. Burnett, Jefferson City, 1, 2 ckl, 1 pul (tie), 2 pul, 1 pen.

R. C. R. I. Reds—Margaret Keverer Cate, Jefferson City, 1 ckl, 1, 2 pul, 1 pen.

Partridge Wyandottes—Dr. W. L. Cate, Jefferson City, Tenn., 2 ck, 1, 2 pul, 1 pen.

Buff Orpingtons—Mrs. Geo. Miller, Russellville, Tenn., 2 ckl, 1, 2 pul.

White Orpington—Robt. McNish, Morristown, Tenn., 1 ck, 1, 2 hen.

S. C. B. Leghorns—W. A. Hudson, Jefferson City, Tenn., 1 ckl, 1, 2 pul.

S. C. W. Leghorns—J. A. Dinwiddie, New Market, Tenn., 1 ckl, 1, 2 hen, 1 pen.

S. C. Buff Leghorns—L. A. Dick, New Market, Tenn., 2 pen, 2 ck, 1, 2 ckl, 1 hen (tie), 2 pul.

L. C. Faust, New Market, Tenn., 1 pen, 1 ck, 1 hen (tie), 1 pul.

Mottled Anconas—I. M. Barrett, Morristown, Tenn., 1, 2 hen, 1, 2 pul.

S. C. B. Minorcas—Mrs. Geo. Miller, Russellville, Tenn., 2 ckl, 1, 2 pul, 1 pen. O. L. Moody, Jeffersonville, Tenn., 2 ckl, 1, 2 pul, 1 pen. W. D. Harrell, Parrottsville, Tenn., 1, 2 hen, 2 pen.

Houdans—Mrs. J. C. Beeler, Jefferson City, Tenn., 1 ckl, 1 hen.

Pit Games—L. C. Faust, 1 ck, 1, 2 hen, 1, 2 pul.

Toulouse Geese—L. M. Barrett, Morristown, Tenn., 1 gander, 1 goose.

Bronze Turkeys—Mrs. J. S. Susong, Newport, Tenn., 1 tom, 1 hen.

Black Cochon Bantams—W. D. Harrell, Parrottsville, Tenn., 1 ck, 1, 2 hen.

Sweet skim milk right from the separator is a most excellent feed for laying hens. It in part, takes the place of meat scrans. Give it every day as much as the hens will drink; rinse out the pan each time before it is refilled. Hens like variety in their feed, and must have it in order to lay eggs in winter.

The Rhode Island Red Club of America

The tenth annual meeting of the Rhode Island Red Club of America was held at Mechanics' Building, Boston, Jan. 16, 1908, 77 members being present.

The reports of the officers showed a successful year's work, with a membership of 1,200, and a good balance in the treasury.

Among the matters transacted at this meeting, it was voted to sell, to members only, the standard cuts of the birds similar to the illustrations in Red Hen Tales, these cuts to be in several sizes.

The question of judges was discussed, and the Executive Committee was authorized to prepare a list of those they deem proper for judges of Reds.

A new draft of Constitution and By-laws was adopted, which provides for state branches.

The following officers were elected for the ensuing year: President, Dr. N. B. Aldrich, Fall River, Mass.; Vice-President, Robt. Seaman, Jerico, N. Y.; Sec'y and Treas., Geo. P. Coffin, Freeport, Maine. Executive Committee: Lester Tompkins, Concord, Mass.; W. P. Craig, Pittsburg, Pa.; R. C. Tuttle, Hartford, Conn.; Reese V. Hicks, Topeka, Kansas, Hon. C. M. Bryant, Boston, Mass.; Marion Bruce, Rolfe, Iowa; Geo. W. Tracy, Kinderhook, N. Y.; M. M. Offutt, Cleburne, Texas; Luther Robbins, Hollis Depot, N. H.

For the coming year a larger distribution of prize cups, cash specials and club badges is provided. Every breeder of Reds will find it to his advantage to join the Club the present season. One dollar sent to the secretary pays for a membership and dues for 1908. Ten cents from non-members will procure a copy of Red Hen Tales, a handsome illustrated book, replete with information regarding Rhode Island Reds.

Geo. P. Coffin, Sec'y, Freeport, Maine.

Don't Raise Chicks

without DAVIS Sanitary Food and Water Fountains; Life savers—no drowned chicks—keep water clean and fresh. Ask your Supply Dealer for them or order direct. Price 25c; \$2.70 doz. Postage 15c each, extra. No bottles or cans included. Circular free.

THE KEYES-DAVIS CO., Ltd., Mrs., Dept. 516, Battle Creek, Mich.

Don't Blame the Hen

for being a poor layer when it's not her fault. Grains contain only a part of the egg-making materials needed for large egg-production.

Rust's Egg Producer

contains the rest and in the right proportions for mixing with the regular feed. One user writes: "Its use quickly doubled egg production." Its results are unequalled. Prices 25c, 50c, \$1.00 etc. Ask your dealer. Rust's Egg Record and excellent poultry booklet free. Write today.

WILLIAM RUST & SONS.

Established 1854

Dept. 1, New Brunswick, N. J.

\$4.66 Each Hen

Absolutely big profits raising poultry by our approved practical method. You make easily \$80 per month, \$1000 per year, from 24 hens, or \$500 from 12 hens. Nothing to buy—no incubators or expensive appliances. Either man or woman can start our plan at once without assistance.

Hen Sets 6 Days Only

Not 21 Days, as usual. With our complete book of instructions we send all descriptions, plans, illustrations, etc., the opinions and endorsements of leading poultry experts, also a library of valuable information for all poultry raisers. Our price now is only \$1.00

MONEY BACK If you do not find this offer and outfit exactly as we claim, return it at once at our expense and get your Dollar back without question. The plan is worth a fortune to you. Don't delay.

THE ELWOSHEHN CO.

514 O. T. Johnson Bldg. Los Angeles, Cal.

Here We Are--and Have Come to Stay.

A. N. BROWDER,

MRS. BELL WEBB TYLER,

Proprietors

"THE PINES" POULTRY FARM

— Breeders of —

S. C. WHITE LEGHORNS AND S. C. BUFF ORPINGTONS

We have stocked our farm with the best stock money can buy regardless of price, from America's best breeders. Breeders who win everywhere, regardless of competition, and we are going to supply our customers as an introduction, with eggs this season. S. C. W. Leghorn, \$1.50 and \$2.00 per 15, or \$8.00 per 100. S. C. Buff Orpington, \$2.50 per 15, or \$12.00 per 100. And positively guaranteed fertile and satisfactory. If bought from other Breeders would cost you from \$3.00 to \$5.00 per sitting. If you want eggs from good stock please give us a trial. We can sell a few bargains in stock this season. Order direct from this ad, or write to

"The Pines" Poultry Farm

A. N. BROWDER, Gen. Mgr. - Anniston, Ala.

S. C. BUFF ORPINGTONS

Blue Blooded, Well Bred and Well Raised Winners

My birds are good to eat, good to lay, good to show. Won at Knoxville, Dec. '06, 1 ckl, 1, 2, 3, 4 pul; 1 pen; club specials for best cock, hen and pen and grand Silver cup of Na. S. C. Buff Orpington Club. Eggs \$3.00 per setting.

A. C. COCHRAN

Knoxville, Tennessee

S. C. R. I. REDS

RED CLOUD STRAIN

EGGS \$2.00 FOR 15



J. W. BROWN, Thorngrove. - Tennessee

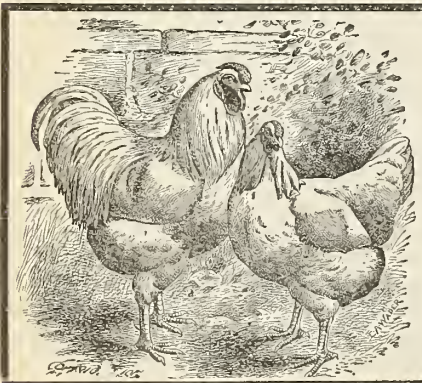
SANITARY POULTRY YARDS "FAMOUS" WHITE WYANDOTTES

A noted strain of heavy layers. "The laying hen is the paying hen." I have built up by the trap-nest individual record system, using nothing in breeding but the best, what I am pleased to call the

FAMOUS STRAIN

I breed for Merit and sell on Honor a strain of heavy layers. They are bred to Standard, to lay and show. Purity, vigor, prolific, Snow White. The best all-purpose fowls. Eggs from pens Nos. 1 & 2, Select Prize Winnings, \$3.00; pens Nos. 3 & 4, Special Choice Matings, \$2.00; pens Nos. 5 to 8, Splendid Utility Matings, \$1.00 for 15 eggs. Address "Box 122." Member Nat'l. White Wyandotte Club.

W. T. Roberts, Gurley, Ala.



Makes Poultry Profits Possible



GERMOZONE

The great National Poultry Remedy makes poultry profits possible. With this popular medicine, endorsed and used by the most successful poultrymen in the world, you can be your own poultry doctor—you can cure Roup, Colds, Cholera, Bowel Complaint, Chicken Pox and all disorders of that character.

GERMOZONE not only has great curative powers, but it has wonderful and effective preventive properties as well. Given twice a week in the drink it acts on the bowels and thus keeps the whole system in healthy condition, able to withstand disease. Sick hens won't lay. Keep your hens well and they will do well. Every fowl in your flock needs **GERMOZONE**.

A trial will make you a friend of this splendid remedy. When you see how it brightens the comb and improves the appearance and vigor of your birds you'll never want to be without it.

GERMOZONE is prepared in either liquid or tablet form and is on sale almost everywhere. If your dealer don't have it, send 50c to the manufacturers and you will be supplied promptly. Write today.

GEO. H. LEE CO., Omaha, Neb.

TABLET OR LIQUID PRICE 50c

Eggs For Hatching

FROM

Fogg's S. C. White Leghorns

My Breeding Yards are filled this season with the finest birds I have ever owned, among them the finest in this country. I pack eggs so they arrive SAFELY. You will not have a LOT OF BROKEN ONES when you order from me.

Eggs from regular and special matings, \$1.50 and \$2.50 per 15; \$6.00 and \$10.00 per 100; \$45.00 and \$80.00 per 1,000.

Fogg's Single Comb White Leghorns

Have been bred for heavy-laying, health, vigor and standard qualities.

Layers and mated breeders in any size lots at prices you can afford. Send for my new catalogue giving prices on all birds and eggs. It gives facts you ought to know.

If you want to deal where you can get the BEST and the MOST for your money, send to

N. V. FOGG, Box A, MT. STERLING, KY.

"FEED TEN CENTS A BUSHEL"

Is your main feed for producing eggs and growing young stock costing you more than 10 to 15 cents a bushel? If so, you want my new book, title,

PROFITS IN POULTRY KEEPING SOLVED

which tells you how to make this great feed and gives you every detail in laying out and running a poultry plant. Gives you my lifetime experience. You can save \$25 a year on every one hundred hens you feed as well as increase your egg yield 30 to 40 per cent. No matches under my new system. I have put hundreds of plants on a paying basis and can yours. Write today and stop that big feed bill. Circulars and testimonials free. My second edition of 3,000 copies now ready.

EDGAR BRIGGS, Box 156, PLEASANT VALLEY, N. Y. FORMERLY NEW ROCHELLE, N. Y.

Fine Lot of Ringlets for Sale

A grand flock of fine fowls, many of them blue ribbon winners, at reasonable prices. Exhibition fowls made a specialty, bred for size and egg production. Can furnish you fine large cockerels to improve your flock, of following strains: Thompson's Ringlets, Buff Rock Nuggets, Latham's Barred Rocks, Fishel's White Rocks, Duston's White Wyandottes, Partridge Wyandottes, Cook's Buff and White Orpingtons, Anconas and Rhode Island Reds, direct from their native land. Have won 100 prizes and a number of specials since 1906. Won a number of prizes at Burlington Fair for 1907. The remarkable sales of the past season stamps their superiority. Write for show record and prices. Eggs from special matings and from 1st prize matings, \$2.00 per setting.

DR. JOHN W. LASLEY,
Burlington, N. C.

Ducks on the Farm.

It will pay to add ducks to the poultry department of every farm. Nothing was ever known to grow as fast and cause as little worry and work as ducks. Everything is "grit" that comes their way. They consume vast quantities of coarse foods and convert it rapidly into flesh and money. The growth they make is wonderful. They are independent of the caretaker except so far as food is concerned.

When they have grown to be two or three weeks old, they even provide the greater part of their own food by hunting for it. They are the happiest, brightest and most independent things on the farm. They require a house or houses of their own, plenty of water to drink and puddle their bills in, and grit in some form. Their houses should be sprinkled well with sand or dry litter, and swept out every day.

If one has many of them, a park of their own, fenced off with poultry netting, is best for all concerned, for they are always getting into the drinking water set out for hens and chicks. A large park need not be very expensive. Low netting answers every purpose, unless you wish to keep every hen out of their yards, and that is really best, for hens and ducks do better if kept separate. It is not necessary, but for the sake of cleanliness and comfort it would be better to have the ducks by themselves.—Farm News.

To the wide-awake speculator: Invest 25c. a week for one year and make \$250.00. Stamp for particulars. G. W. Cupp, Mansfield, Ohio.

THIS BROOD COOP



is rat, lice, mite, mink, weasel, rain proof. Easily taken apart and cleaned. Use our combination Trap and Setting Nest. Our feed coop feeds three kinds of feed, is a feed saver. Try our non-freezing watering tank, egg testers, etc. All

made of galvanized steel. Catalogue free. C. Hoskins & Co., 318 State St., Quincy, Ill. Dept. I. Agents wanted.

S. C. Black Minorcas

Layers, payers, stayers, when prizes are awarded at Jeff City show, Owen, judge, 1 won 1st chl, 1, 2 pul, 1st pen. Farm raised, heavy layers. Eggs, \$2 per setting.

O. L. MOODY, Jefferson City, Tenn.

NORTON'S

S. C. RHODE ISLAND REDS

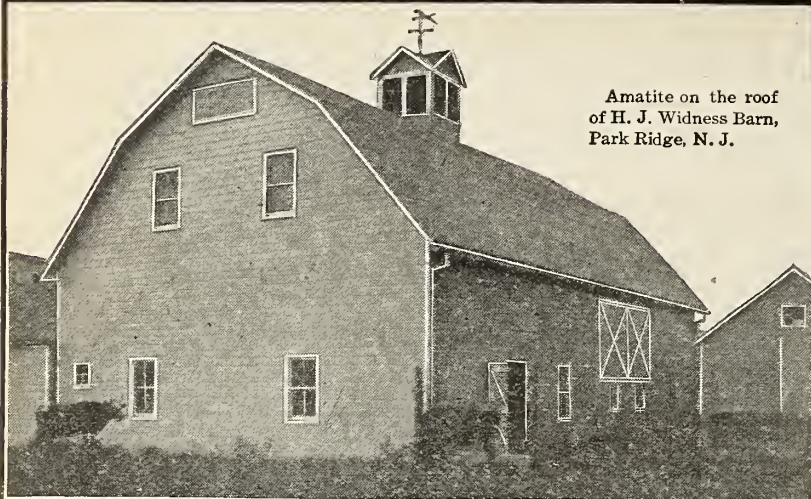
WHITE PLYMOUTH ROCKS

BARRED PLYMOUTH ROCKS

Winners wherever shown. A fine lot of high class cockerels at \$2.00, \$3.00 and \$5.00 each. Eggs from high class exhibition matings \$5.00 per 15. Eggs from pens mated for business, \$2.00. Write for circular.

J. O. Norton,
East Station
Nashville - Tennessee

A GOOD BARN SHOULD



Amatite on the roof
of H. J. Widness Barn,
Park Ridge, N. J.

HAVE A GOOD ROOF

Amatite



ROOFING

Best for Every
Farm Building
Because It Needs
No Painting

WHEN you go to buy roofing next time, ask the dealer how much he would charge to keep it properly painted for ten years.

You'll be astonished to see how much a painted roofing really costs. You will find that the painting every two years **costs more** than the roofing itself.

The best and most economical solution of the roofing problem for you is to buy Amatite Roofing instead of one that needs painting.

Amatite needs no painting or coating.

Lay it on the roof and the work is done for many years. You have no maintenance expense to figure on when you buy Amatite. The first cost of Amatite is its only cost for the entire period.

If Amatite costs twice as much per roll as painted roofings, it would still be more economical to buy because there is none of that big extra expense for paint.

But Amatite does not cost twice as much—in fact, it costs less. In other words, it is actually cheaper in the long run to cover your old roof with Amatite, than to keep on painting it year after year.

Write to-day for a Free Sample and Booklet on Amatite. It will pay you. Address nearest office.

BARRETT MANUFACTURING CO.

New York Chicago Philadelphia Cleveland Cincinnati
Minneapolis Boston St. Louis Allegheny Kansas City New Orleans

Blood Will Tell.

The White Wyandottes of Woodcote Poultry Yards, by Mrs. W. R. Luke, Nashville, Tenn., evidently have the right Wyandotte blood. At Nashville, December, 1907, she won 1st cock; 1st and 2nd cockerel; 1st hen; 1st and 2nd pullet; 1st pen and silver cup. At Nashville, January, 1908, she won 1st cock; 1st and 2nd cockerel, 2nd hen; 2nd and 3rd pullet; 2nd pen, and National White Wyandotte Club silver cup for four best Wyandottes. It would probably be hard to find a better yard of birds anywhere.

Wilber's Leghorns.

There is no better way of getting a good start with first-class birds than by buying the best of stock or eggs. Wilber Bros., at Petros, are having great success selling eggs from their prize winning Leghorns. Great care is taken in selecting and shipping and this accounts partially for the universal satisfaction given in hatches. These men have sold thousands of dollars worth of the products of their farm and have friends all over the United States. Look up their ad and swell the list of happy Leghorn breeders who buy from them.

Gabhart's Leghorns, Bohon, Ky.

Have won at Cincinnati, Lexington, Louisville, State Fair and at several smaller shows. He has genuine Kentucky stock for sale, and eggs that will hatch regardless of shipping distance.



JUDGE J. C. CLIPP, Satillo, Ind.

A breeder of fancy fowls for 17 years, a judge for five, and a graduate of the Hewes Pierce School of Poultry. He has officiated at a number of Northern shows this season and will make dates for Southern shows for the coming season.

A Popular Kentucky Breeder.

D. L. Ditto, Brandenburg, Ky., has one of the most up-to-date poultry farms in the South. His farm contains 75 acres, devoted exclusively to Rhode Island Reds, and it is in his pens you can find birds that have won the "Blue" in all the leading shows. Mr. Ditto is a specialty breeder and his many friends and customers say "he is the most popular 'Red' breeder in the South."

Hale as an Advertiser.

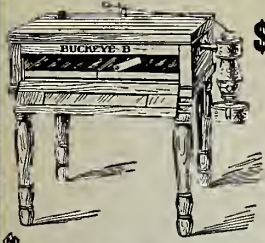
Mr. C. P. Hale, in renewing his advertising contract for another year, says he has had many splendid sales from THE HEN, and is well pleased with last year's business. After considering a proposition to reduce his advertising space during the dull months, stated that he believed a space such as he carried paid him better than to be continually changing, so he renewed for a quarter of a page for twelve months. He has been a constant advertiser in THE HEN for four years. Mr. Hale has his yards mated and will sell you eggs from his noted prize winning stock. Look up his ad and send in your orders early.

I pin my faith to the fellow who advertises. Why? Because he does not hesitate to tell just what he has to sell and hold it up to public criticism and review. His goods are tried and tested.

51 CHICKS from 50 EGGS

That has been the hatch at least four times from our

\$5.00 Buckeye Incubator



Let us give you the names of the people who obtained these remarkable results, and of many others who have been wonderfully successful. This incubator is Self-Regulating. It is backed by 17 years successful experience. You can test it on **40 Days Free Trial**

Both the Incubator and 50 Chick Brooder, Freight Paid east of Rocky Mountains, \$9.00. Send for **FREE Book** giving prices and describing this and larger sizes, Brooders, Supplies, and telling all about our great **Trial Offer**. Write today.

BUCKEYE INCUBATOR CO. Box 110 Springfield, Ohio

MILLIGAN'S STRAIN

S. C. WHITE LEGHORNS

AGAIN

The sensation of the Great Nashville Show in the hottest class ever shown in the South. My first, second and third hen, first, second and fifth pullet, second cock, third and fourth cockerel, and second pen makes good my claim, best strain of S. C. White Leghorns in existence. At Knoxville and other smaller shows this season, I have furnished the winners. Can furnish you stock and eggs from the above winners together with my winners at Chicago, Cincinnati, Louisville, Birmingham, World's Fair. Eggs \$2.00 per 15; \$3.50 per 30; \$10.00 per 100; \$80.00 per 1,000. For quality and great egg production get the best from

JOHN R. MILLIGAN, - Valley Station, Ky.

"SOARING HIGH" IN THE SOUTH THIS TIME! WHAT! "RINGLET" BARRED PLYMOUTH ROCKS, OF COURSE.

E. B. THOMPSON'S CELEBRATED STRAIN.

My winnings at the Virginia Poultry Association Show, Richmond, Va., are 1st and 3rd prize cock, 1st and 3rd prize hen, 1st prize pen and the Association's special ribbon for Best Display in Barred Rocks. My birds cannot be excelled in egg production, size, vigor and beauty. Grand yards mated for 1908 Egg Season. They will produce results that will please you. Eggs from best yards, \$3.00 for 15; \$5.00 for 30. Next best, \$2.00 for 15. All stock sold. Satisfaction guaranteed. Address

LESLIE H. McCUE, Box 3, AFTON, VA.

Member of Virginia Poultry Association.

RHODE ISLAND REDS FROM THEIR NATIVE LAND

DO YOU KNOW that our EGGS are now ready to ship to you? If you want eggs from stock winning at the JAMESTOWN EXPOSITION, BOSTON, NEW YORK, CINCINNATI, write now for our mating list and get in your order. Have also saved over a few FINE COCKERELS for YOUR MATINGS.

PHILIP CASWELL, Box H, NEWPORT, R. I.



Partridge, Silver Penciled, Golden Barred & Barred Plymouth Rocks

White, Black, Columbian and Silver Penciled Wyandottes. My birds have won the highest honors at the World's Fair, Madison Square Garden, Philadelphia and Washington.

Moderate Prices. **Hillcrest Farms, Oakford, Pa.** Free Catalogue.

WM. F. FOTTERALL, Prop.

Rose Comb Rhode Island Reds

The only choicest specimens in my breeding pens, and they are bred to lay as well as win. **Winnings:**—Wilmington, N. C., 1902: 1st and 2nd pullets. Wilmington, N. C., 1903: 2nd cockerel; 1st, 2nd, 3rd and 4th pullet and 1st pen. Charleston, S. C., 1905: 2nd cockerel and 2nd pen. Charleston, S. C., 1906: 1st cockerel, 2nd and 4th pullet. At the great Jamestown Exposition in the strongest class of Reds ever shown in the South I won 3rd cockerel. Charleston, S. C., 1907: 1st and 2nd cockerel, 1st, 2nd, and 3rd pullet. Eggs \$1.50 per 15; \$3.50—50.

P. R. BROOKS, - - - BLACK CREEK, N. C.

POSITIONS SECURED or Money Back

CONTRACT given, backed by \$300,000.00 capital and 18 years' SUCCESS

DRAUGHON'S PRACTICAL BUSINESS COLLEGES

28 Colleges in 16 States. Indorsed by business men. No vacation

LEARN BY MAIL Bookkeeping, Short-hand, Penmanship, completing course. For "Catalogue H." or Home Law, Letter Writing, English, Drawing, Illustrating, etc. Money back if not satisfied after Study or "Catalogue P." on attending College, phone, call on, or address Jno. F. DRAUGHON, President Draughon's Practical Business College;

KNOXVILLE, NASHVILLE, MEMPHIS, ATLANTA OR DALLAS.

Oconomowoc, Wis., Poultry Show.

The Oconomowoc Poultry and Pet Stock Association will hold their fourth annual exhibition at Oconomowoc, Wis., December 9-14, 1908.

The Association has secured James A. Tucker to judge poultry, and Herman Vanselow to judge pigeons. They need no introduction to poultry or pigeon fanciers, as their popularity and reputation for fair and impartial scoring is well known. The unqualified success of the 1907 show and the words of appreciation expressed by all exhibitors have spurred the management on to greater efforts to make our next show better than ever.

S. C. Officers.

At a recent meeting of the Greenville (S. C.) Poultry, Pigeon and Pet Stock Association, the following officers for 1908 were elected: H. B. Ingram, Pres.; C. H. Yates, Vice-Pres.; W. P. Stewart, Sec'y; W. G. McDavid, Treas. Next show to be held Jan. 12th to 15th, 1909, J. H. Drevenstedt, Judge.

We Lost on This Deal.

Newport, Tenn., Feb. 24, 1908.

Editor Hen—I will have to request you to discontinue my ad from your March issue, and allow me to cancel my contract, for I am entirely sold out of turkeys. I will advertise again next winter. Yours truly,

Mrs. J. S. Susong.

\$200 PER MONTH IN THE REAL ESTATE BUSINESS. I handle real estate on the co-operative plan and need you no matter where located. \$10.00 capital will start you. Experience unnecessary, as I prepare you by mail and appoint you my special representative. Write for my offer and free book. G. W. Cupp, Mansfield, Ohio.

Tennessee State Fair, Nashville, September 21 to 26, 1908.

EGGS FOR SALE FROM S. G. B. Rocks & S. C. B. Leghorns

I have also stock to sell of M. B. Turkeys, Pekin Ducks, Rankin strain and Brown Leghorns. The turkeys are large, well marked, bred from my 49 1-2 pound tom, are strong and hearty. Have a large range.

GEO. E. PATTON, Morganton, N. C.

For Sale--Cheap.

Must get rid of the following articles at some price, so I am cutting the price down below what they cost to manufacture, and I can not keep them long at these prices.

Ten colony houses, good as new, can be taken down or hauled one at a time, cost \$15 and \$18 apiece. Will go at \$5 and \$8 each.

Seventeen poultry no-louse roosts. Are almost worth their weight in gold—for lice are the bane of the poultryman's existence. These roosts are new—have never been used. Cost \$20. Yours for \$7.

Odd lots of feeding troughs and drinking fountains, of various kinds and sizes, all go at 25c apiece—many of them cost a dollar apiece.

Lice powders, roup cure, naphtholeum, 3x10 feet wire frames, lot of 2-inch mesh wire, at your own price. Go down to the University farm and look them over. Many other things you will want. These prices mean at the farm where they now are. Address inquiries to L. B. Audigier, 617 Gay St., Knoxville, Tenn.

INDIAN RUNNER DUCKS.

First prize winners at World's Fair, St. Louis' Mo.; Herald Square, New York; Kansas City, Mo.; Chicago, Ill.

White Wyandottes, white as snow. State Show winners, Silver Cup winners. Birds score to 96, Pen to 101. Catalogue free. Expert poultry judge. Write me for terms and dates.

R. L. CASTLEBERRY, - McCune, Kans.

The Largest Breeder of

Rose and Single Comb R. I. Reds and Silver Gray Dorkins

In the South, a specialty of 1 day old chicks and eggs. Send stamp for prices and particulars.

J. H. GROUSE & CO., FRANKLIN, TENN.

Important "Cornish Breeders."

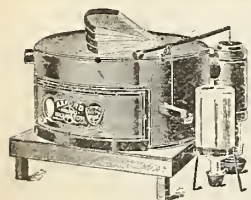
At the Chicago show rooms, Friday, January 24th, the Cornish Indian Club held their annual meeting. Election of officers by mail vote resulted as follows: President, C. S. Brent, Oconomowoc, Wis. (re-elected); 1st Vice-President, R. D. Reider, Middletown, Pa.; 2nd Vice-President, John D. Mercer, Los Angeles, Calif.; 3rd Vice-President, J. W. Southmayd, Hunter, Okla.; Secy.-Treas., F. H. Williams, Minneapolis, Minn. (re-elected).

Executive Committee: Brent, Reider, Williams; W. S. Templeton, Dakota, Ill.; W. F. Knutzen, Rochester, Minn.

Much enthusiasm was shown at this meeting, and it lies with each and every fancier in the United States and Canada to make the Cornish fowl one of the most popular of all varieties. It was decided to change the name to *Cornish*, dropping both Indian and Game, for the best interests of the breed. The Club name was also changed to "The American Cornish Club." Breeders of White, Buff, and Buff Laced Cornish can now become members. It was voted at this meeting to issue a neat Club Catalogue about forty-eight pages in size, during March or April, 1908. Advertising rates can be had by addressing the Secretary-Treasurer.

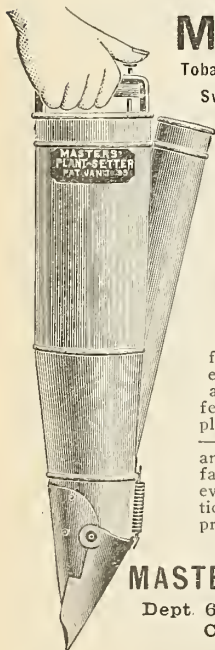
We would urge every breeder of Cornish to join the Club at once. The total expense is one dollar per year, but your name in the new Catalogue as a prominent fancier of Cornish more than balances the small expense of becoming a member. By reading report of large entry of Cornish at the Chicago show, January, 1908, in all the prominent poultry publications, you will note the efforts of the Club and a few liberal fanciers, who kindly donated cash for specials, brought about this large entry, not forgetting the very liberal manner in which the Poultry Press have assisted us. Write at once to Secy.-Treas., enclosing one dollar for membership in the fastest growing club in the United States. Chas. S. Brent, Pres., Oconomowoc, Wis.; F. H. Williams, Secy.-Treas., Minneapolis, Minn.

I can sell your real estate no matter where located. G. W. Cupp, The Real Estate Man, Mansfield, Ohio.



Axford Round Incubator

First sold in U. S. The only safe one. Get one and sleep sound. Send for prices, etc. H. W. AXFORD, Station M, CHICAGO



MASTERS

Tobacco, Cabbage, Tom'ato and Sweet Potato Transplanter

Has been thoroughly tested in the field during the past three seasons and every suggested improvement has been adopted, so that we now offer the dealers and growers the grandest little tool ever devised for setting all kinds of plants. Does better work than can be done by hand and more than twice as fast. Will set plants cheaper than the horse planter, acre by acre, will do perfect work where the horse planter will not work at all—amongst rocks and stumps and on side-hill land, and far more satisfactory in every way. For full particulars, wholesale and retail price, address

MASTER PLANTER CO.

Dept. 6, 178 So. Water St., CHICAGO, ILL.

The Thomas Convertible Brooder

Is the Most Practical Invention in the History of Artificial Brooding. Can be Instantly Converted into A Single or Double Brooder.

I have no costly brooder parts for sale; absolutely nothing but my plans and specifications, which are so plainly illustrated and explained, and the brooder is so simple to construct, that anyone with a saw, a hammer and a square, and the material, which can be had in your community for little or nothing, can make it in a few hours. (You don't need the help of a tinsmith or plumber either). Look into this matter today. It will pay you.

If you are a beginner, start right by brooding right. Use the "Convertible." If you already use brooders, but have your troubles, try a "Convertible" and see how quickly your troubles will cease. I have yet to receive one word of complaint or the return of plans, in spite of my "money-back" offer. In fact, I am daily receiving words of praise from those I have helped. I CAN HELP YOU. DON'T HESITATE. DON'T LET 50 CENTS STAND BETWEEN YOU AND SUCCESS.

Send 2c stamp for Booklet; or, better still, save time by sending 50 cents (I prefer express or P. O. money order to stamps) to get plans and specifications. You run no risk. If brooder is not all it is represented to be, return plans and get your money back (less postage). Could I be more fair? I don't propose to have a dissatisfied customer.

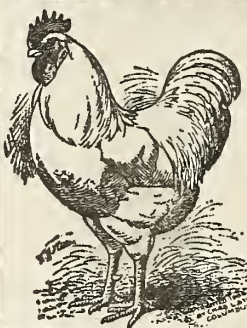
Make It Yourself, Plans and Specifications, 50 Cents.

H. J. THOMAS,

Dept. A.

24 Bedford Court,

DETROIT, MICH.



WALKER'S WHITE PLYMOUTH ROCK EGGS

I have a limited number of Cockerels and Pullets for Sale. They are farm raised; bred to lay, and do it. I am now offering eggs from prize winners \$2 per 15.

D. P. WALKER, Route 1, SWEETWATER, TENN.
HIGH CLASS SCOTCH COLLIE DOGS FOR SALE.



- A - DEE FARM

J. A. DINWIDDIE, Prop.

S. C. RHODE ISLAND REDS

The great all purpose fowl. Layers, Broilers and quick growers.

AND

SINGLE COMB WHITE LECHORNS

The greatest Egg Producing variety known. Large, white eggs.

EGGS FOR HATCHING

Bred for high egg production. Unsurpassed in standard bred qualities.

J. A. DINWIDDIE, R. 3, NEW MARKET, TENN.

TERRELL'S SINGLE COMB RHODE ISLAND REDS

Were first prize winners in 1904 and 1905 in our best shows. In 1906 first prize winner at Nashville, Tenn., Birmingham, Ala., Charleston, S. C., Houston, Texas, Marshall, Texas.

In the hands of my customers at Dallas, Texas, Augusta, Ga., Montgomery, Selma and Mobile, Ala.

This season's Birmingham state fair, won 1st and 3rd cocks, 1st and 2nd hen, 1st and 2nd cockerel, 2nd pullet, 1st and 2nd pen, best display in the American class.

At Augusta, Ga., 3rd cock, 2nd and 3rd cockerel, 2nd hen, 1st and 3rd pullet, 1st pen, 1st display, special cup best colored bird in show, club cup for best pen.

Birmingham show, 2nd cock, 1st and 2nd hen, 1st and 5th cockerel, 2nd pullet, 1st pen, club cup best display, club ribbon best shape male.

If you want birds to win for you in 1908 send me your egg orders. Book early. Prize matings \$5.00 for 15 eggs. Special matings \$3.00 for 15 eggs, \$5.00 for 30, \$15.00 for 100.

A limited number of cockerels and pullets for sale. Write me your wants. 1908 circular of winnings and mating free. Satisfaction guaranteed.

L. K. TERRELL,

304 Tuscaloosa Ave.,

BIRMINGHAM, ALA.

S. C. BLACK MINORCAS

TRAP NESTS

Nothing but the best birds used in my breeding pens. Orders booked now. Ship safely any distance. Satisfaction guaranteed. Write for circular and mating list. Eggs from best pens \$2.00 for 15, other pens (fine) \$1.50 for 15.

HILLCREST POULTRY FARM,

BARRED PLYMOUTH ROCK

DOUBLE MATING

Eggs from best pens \$2.00 for 15, other pens (fine) \$1.50 for 15. R. C. MCCANTS, Ninety Six, S. C.

WILL MAKE HENS LAY

SOMETHING TO CROW ABOUT

HEN-E-TA BONE-GRITS

NO OTHER BONE NEEDED | NO OTHER GRIT NEEDED

NO MORE BONE CUTTERS NEEDED

100 LB. BAG \$2.25 | 200 LB. BAG \$4.00

ALSO SMALLER PACKAGES

BIG DISCOUNTS IN QUANTITIES

HEN-E-TA BONE CO.
NEWARK, N. J. DEPT. 6 | FLEMINGTON, N. J.

WILL MAKE CHICKS GROW. VALUABLE BOOKLET FREE

"What's the use? This is a BROWN FENCE"

Poultry Fence

BROWN HEAVY-WEIGHT POULTRY FENCE does not cost one-half as much as the common chicken netting, yet will last five times as long.

Size of Wires. The top and bottom wires are No. 9 gauge—same size as nearly all stock fences. Intermediate and stay wires in same proportion.

Quality of Wire. All material used in Brown Poultry Fence is best grade of High Carbon, Double Strength Spring Steel Wire. The Galvanizing is the heaviest and best possible. All wire is subjected to careful inspection and acid tests before being made into fence.

Construction. Very closely woven, and a sure protection against marauding animals. Your poultry is safe from everything when enclosed with Brown Fence. Built of material heavy and strong enough for horses and cattle. Wires cannot possibly slip.

Saving in Cost. With a No. 9 top and bottom wire you can save at least one-half the posts, and besides you require no top railing or bottom boards. These items alone usually cost more than the fence.

Price. Our prices are less than common netting costs. We pay the freight and guarantee safe delivery to your nearest railway station.

Guarantee. We guarantee every rod of our Poultry Fence. Every customer who buys this fence and does not find it entirely satisfactory and fully up to his expectations is at liberty to return the same at our expense.

Before buying Poultry Fence get our catalog and investigate the many superior qualities of our fencing. We have 144 styles of fencing—a fence for every purpose. Write today.

The Brown Fence & Wire Co.,
Cleveland, Ohio.

PARTRIDGE WYANDOTTES

STOCK AND EGGS FOR SALE

From birds winning as follows: 2d cock, 1st and 2d pullet. Eggs \$1.50 for 15, \$3.00 for 30.

DR. W. L. GATE, Jefferson City, Tennessee.

PRIZE WINNING S. C.

Black Minorcas

A grand lot of choice exhibition stock and egg producers for sale, including an especially fine lot of standard weight cockerels for all purposes. TRY ONE to mate with your flock and notice the increase in egg production.

Am ready to book orders now for Eggs from five grand matings for hatching.

State your requirements plainly and I will quote you rock bottom prices on high class stock.

CHARLES G. PAPE

1617 N. Cass St. Fort Wayne, Ind.
Member Am. Minorca Club and Am. Poultry Association.

First R. C. Red at Jamestown.

It is a proud distinction to own a first prize bird from the great Jamestown Exposition. The first prize Rose Comb Rhode Island Red cockerel was won by the Rosedale Poultry Yards, Philip Caswell, Proprietor, Newport, R. I. In his mating list, just published, Mr. Caswell says:

"Our Reds are bred primarily for the show room, but, in so breeding, we have not overlooked any of the requirements for utility birds. Many people assert that pure bred show stock does not lay as well or maintain the vigor that mongrels do. This is not so. If it were, how could we perpetuate our birds to fulfill Standard requirements? It is true with Reds, as it is with every other breed, that we get many utility birds from show stock, but few show birds come from utility stock. In our yards, there is no perceivable difference in the egg yield or vitality between pens made up of prize winners and pens made up of utility stock."

What is Vulcanite?

A great many farmers and builders are asking what "VULCANITE" is. Vulcanite is a mineral rubber compound, and has been used for over sixty years in the manufacture of ready roofing. It is the most durable material ever discovered for the purpose and makes a roofing that has never been equalled. It is particularly adapted to farm buildings of all kinds; is more lasting than shingles or tin; much cheaper in first cost and costs next to

nothing to maintain, as it does not require annual painting.

VULCANITE is not affected by rain, snow, sun or frost—weather does not injure it in any way, and it makes a handsome appearance on the building.

For making old roofs new—especially old shingle roofs, VULCANITE is the most satisfactory thing you can use—simply lay it right over the old shingles and make the roof better than new—no expense or time removing old shingles.

For further particulars, write to the PATENT VULCANITE ROOFING CO., 626 Campbell Avenue, Chicago, Ill., for free samples and their roof book. Kindly mention this paper and the book will be sent free also.

DON'T-RUST POULTRY FENCE

Old-fashioned galvanized—therefore can't rust. 40-Carbon Elastic Spring Steel Wire 30 Days' Free Trial. Best and strongest. Turns stock as well as poultry. Send for Free Catalog No. 25. Address The Ward Fence Co., Box 237 Decatur, Ind., also manufacturers of Ornamental Wire and Ornamental Steel Picket and Don't-Rust Farm Fence.

LOW PRICES ON

Coiled Spring Fencing, Bull-strong Chicken-tight. Sold on 30 days free trial, we pay the freight. 100 page Catalog free

KITSELMAN BROS. Box 253, MUNCIE, INDIANA.

DAVIS' BARRED ROCKS.

After winning during the past season, at Greensboro, Salisbury, Charleston, Rock Hill, Gastonia, Asheville, and Monroe, wound up at the Great Charlotte Show with 1, 3 Cock; 3, 4 Hen; 1, 6 Cockerel; 1, 4, 5 Pullet; 1, 4, 5 Pen. A. P. R. Club Cup for best Cock, Hen, Cockerel, and Pullet; Four out of Six Club Badges, including shape male, and color female.

Write for mating list telling all about it.

Eggs, \$1.50, \$2.00, \$3.00 for 13.

SOME GOOD BIRDS FOR SALE.

B. S. DAVIS,
CHARLOTTE, N. C.

...SINGLE COMB BROWN LEGHORNS...

STRAWBERRY HILL POULTRY YARDS

I. DAVENPORT WILLIAMS, Prop. and Supt.
Box 287 Richmond, Va.

Mem. Am. S. C. B. Leghorn Club and Va. Poultry Association.

At Richmond Jan. 9-15, (Wittman Judge), 1st Cockerel; 1st, 2nd, 3rd and 4th Pullet. 8 Specials, including two Silver Cups for best display in class offered by Am. S. C. B. Leghorn Club and Va. Breeders. At Jamestown, 4th Pen, 6th Cockerel on immature birds. Also Highest Awards Va. State Fair and Richmond 1905. Eggs from Exhibition matings, both cockerel and pullet line \$3 per 15, \$5 per 30, \$7 per 50, \$10 per 75, \$12 per 100. From Utility matings \$1 per 15, \$6 per 100. Two-thirds hatch guaranteed or number of eggs duplicated at half price. Stock for sale at all times.

BLUE RIBBON BUFF LEGHORNS

THEY WIN. THEY LAY. THEY PAY.

I believe I have the best Buff Leghorns in the South. They are buff to the skin, the best blood, farm raised, lay unusually well, the best for business or for show. They have won wherever shown. At Richmond, 2 firsts, 2nd, 3rd and 4th out of six shown. At Bristol, Dec. '07, four firsts, five other prizes, cups for best in Mediterranean class and Industrious Hen cups for best exhibit in whole show. Eggs, best matings, \$3 for 15; next best, \$2 per 15.

ROBT. T. ADAMS, R. F. D. No. 1. LYNCHBURG, VA.

DOAK'S WHITE WYANDOTTES

WON AGAIN AS USUAL

At NASHVILLE Sept. 23-28, 1907: 1st Pen, 1st Cock, 1st Hen, 2d Pullet,
\$25 Cash Prize--BEST PEN IN SHOW, ANY BREED

E. L. DOAK, Greenwood Ave., NASHVILLE, TENN.

Success with Chicks.

An authority on poultry subjects recently declared that fully \$200,000,000 is lost annually by poultry raisers through poor chick management—the chicks dying. We are not in a position to verify this estimate, but we do know a large percentage of chicks do die. That this can be reduced, there is no question; that it should be reduced, is also true, for no one has any moral license to be careless or unprogressive when it means so much to himself, his family and his country.

The subject is thus a curious one, and should receive the best consideration of every one in the business. It means dollars that will assume some proportion as the years roll by, and there is seemingly more truth than fiction in the story that the world as a whole has little regard for a failure or "the man behind."

Broadly speaking, the greater part of the trouble seems to lie more in the means than in the method, and mainly in the feeding. By this is meant that hardly any poultry raiser worthy of the name can fail to appreciate the importance of being systematic in his work; of having his hen house absolutely free from drafts and dampness; of keeping it strictly clean and providing a constant supply of good fresh air and water, with plenty of space for exercise.

If these deductions are correct, and the facts seem to support them conclusively, the whole question resolves itself in what should be fed, and when. On this, it must be admitted, there has been a wide difference of opinion, and those raisers whose ideas have been fairly successful have been inclined to stick to them in spite of better judgment. This, of course, is short-sightedness, but it must be remembered that science has not done much in poultry matters until the last several years. What it has accomplished, however, is indeed most noteworthy, and if not a complete solution of the chick feeding problem, is certainly a great advance in that direction. We refer to the chick food manufactured by the well known supply house of Darling & Company, who has two large plants, one at Chicago, Illinois, and one at Long Island City, New York, and who, by the way, puts out a catalog that is interesting to a high degree, and we understand free for the asking.

From the standpoint of digestion and nutrition, which are concededly the chief features of any chick feed, this feed has already given results that prove it to be unexcelled. We would suggest to all our readers that they write for catalog and learn more about this great feed. It has paid others—it will pay you.

Washing Flannels.

Great care needs to be taken in washing woolens, for unless they are washed properly, they will shrink and become stiff and harsh. It is better to have the temperature of all the water used about the same. Never rub soap into woolen garments. Make a soap solution and put it into the water in which the garments are to be washed. Always shake and brush the garments well before wetting them. Have the suds and two rinsing waters warm and add a tablespoonful of borax to each one.

Work the suds through the material by lifting, squeezing and kneading. Never rub or twist woolens. After rinsing through two waters, run through the wringer and hang out to dry, and do not allow them to freeze. Take from the line before quite dry and press with moderately hot iron.

Judge D. M. Owen.

In a circular sent out by some of the members of the A. P. A. to the voters of the association, the name of Judge D. M. Owen, of Athens, Tenn., is mentioned for second Vice-President. The judge would represent the South well on the Board; he is a well known breeder, a judge of national reputation, and his nomination would be a first class one.

Menzie's Barred Rocks.

His winnings at Union City, January, 1908, were as follows: 1 ck, 2, 3 ckl, 1, 3 hen, 1 pen, 2 specials. At Greenfield, January, 1908, 1, 2, 3 pul, 1, 3 hen, 3 ck, 2 pen. Cash specials for best pullet and best old hen.

Hatch Chickens by Steam

with the

EXCELSIOR INCUBATOR

or **WOODEN HEN**

Economical and perfect hatching. Absolutely reliable and self-regulating. Thousands in use to-day.
GEORGE H. STAHL, Quincy, Ill.



Send for free Catalogue.

BLACK LANGSHANS PRIZE WINNERS

My birds have won at Jamestown, Bristol and Knoxville this year. Knoxville winnings on eight birds: 1st cockerel, 1st, 2nd and 3rd hen; 1st, 2nd and 3rd pullet; 1st pen and special for highest scoring pen, any breed. If you want the best order your eggs now. Eggs, \$2.00 per setting.

T. C. ADAMS, BRISTOL-VA-TENN.

How About Maturing Pullets—Your Pullets

Did you succeed last year in getting your pullets to laying in the fall? I can help you in this if you will let me. I have had hundreds of students the last two years in all the needs of poultrymen for practical help. These lessons have been printed in convenient form—handy, short—and are mailed in a single package for one dollar. Covers one year's work with chicks and hens.

DR. N. W. SANBORN, Box H, BELLINGHAM, MASSACHUSETTS

PINE HURST DAIRY, FRUIT AND POULTRY FARM

Fine Royal Blue Barred Plymouth Rocks, Line Bred for 10 years for Winter eggs, Standard size and color. Eggs \$1.50 per 15. \$6.00 per 100. Free Range. Fine Jersey Cattle. Write me. I have stamps.

D. W. DUNCAN, Prop. R. No. 5. CLEVELAND, TENN.

...SUNFLOWER POULTRY YARDS...

KENTUCKY RINGLETS

Stock direct from Thompson, whose famous "Ringlet" strain leads among Barred Plymouth Rocks. My stock is farm grown, fine and vigorous. A few yearling breeders, cockerels and pullets for sale. Eggs at \$1.50 per 15.

MRS. M. E. ALMY, Box A. ALTAMONT, KY.

COLUMBIAN WYANDOTTES

We won special for best collection at Madison Square Garden, New York, 1906 and 1907; Clive H. Owen won special for best collection at Chicago, 1906 and 1907. We bought all his best old and young birds and have to-day as fine a lot of Columbians as any breeder in the world. Hundreds of old and young birds for sale. Remember Columbians will be money-makers for the next twenty years. Write for prices.

AUG. D. ARNOLD, Box 939, DILLSBURG, PA.



Fruit and Ornamental Trees of Any Description

PECANS OUR SPECIALTY

Illustrated and descriptive catalogue free if you mention this paper. Write now.

ARCADIA NURSERIES, J. H. Girardeau, Jr., Mgr., MONTICELLO, FLA.

SOUTHERN FARM LOCATIONS AND INDUSTRIAL INVESTMENTS

**GRAIN FARMS
COTTON FARMS
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POULTRY FARMS

**FRUIT FARMS
HAY FARMS
TRUCK FARMS**

In the States of

**Virginia North Carolina Georgia Alabama
Tennessee South Carolina Kentucky Mississippi**

FINE CLIMATE, GOOD MARKETS, AMPLE RAINFALL, CHEAP FUEL

OPENINGS FOR INDUSTRIES

Lumber Lands, Coal Lands, Stone Lands, Iron Ore Lands

FACTORY SITES

In Close Association with Water Power, Fuel and Raw Material.

Information about any part of the South and any kind of business furnished free by addressing **M. V. RICHARDS, Land and Industrial Agent, Washington, D. C.; W. L. HENDERSON, Southern Agent, Equitable Bldg., Atlanta, Ga.**

BREEDERS---Continued from page 352.


LEGHORNS

S. C. BLACK LEGHORNS.—Blue ribbon aristocrat. Perpetual layer. Eggs \$1.50 per 15. Sterling Poultry Yards, Box 626, Staunton, Va. 46

SINGLE COMB Buff, Brown and White Leghorns. Thoroughbred exhibition stock, bred from best winter layers. 15 eggs \$1.00. S. A. White, Box H, Timberville, Va. 46

FINE bred, Single Comb Brown Leghorn eggs for sale, per setting of 15, one and two dollars. I have kept up with the day in my breeding. Sam H. Carr, Johnson City, Tennessee. 48

ROSE COMB Brown Leghorns. Everlasting layers. Prize winners. 15 eggs for \$1.00. For four settings retain 50c for express; 75c for six; \$1.00 for eight. Jos. Champion, Antwerp, Ohio. 46

 S. C. White Leghorn Eggs \$1.00 per 15. Fogg's and Wyckoff Strains. Some Cockerels for sale. Write to HERBERT HENRY, 425 S. Main. Winchester, Ky. 48

YOUNG CHICKS—Blanchard, Wyckoff, Single Comb, White Leghorns. Safe arrival, any distance, guaranteed. Choice hatching eggs. High scoring, breeding stock. Circulars. C. N. Reynolds, Canton, Pa. 48

S. C. BUFF LEGHORNS. Never beaten for first prize. First at Nashville, Tenn., in 5 great shows, including Tennessee State Fairs. First at Charleston, S. C., Atlanta, Ga., Montgomery, Ala., Knoxville, Columbia and Franklin, Tenn. Unequaled record. They are champions. Eggs \$2.00 for 15. E. L. Wilson, Columbia, Tenn. 46

TOO LATE TO CLASSIFY.

WHITE and Barred P. Rocks. Eggs for sale at reasonable prices from thoroughbred farm raised stock. Satisfaction guaranteed. Write for prices. C. M. Miller, Telford, Tenn. 46

S. C. REDS from Prize Winners. Bred for beauty and business. Eggs \$1.00 and \$1.50. J. H. Roller, R. 1, Indian Springs, Tenn. 47

SINGLE COMB Rhode Island Reds for sale. Excellent stock. Write your wants. Eggs 15 for \$1.50. 30 \$2.50. R. 1, Thos. N. Berry, Sweetwater, Tenn. 49

EGGS. From three pens 200 eggs per year strain White Wyandottes bred in Tolman Houses. \$2.00 per setting delivered, express prepaid, your station east of Missouri River. U. Iversen, 1611 State, Milwaukee, Wis. 48

JOIN.—The Rhode Island Red Club of America. Send one dollar to Geo. P. Coffin, secretary, Freeport, Me., with your name and address and become a member—receive the club catalogue—Red Hen Tales—and compete for club prizes. The only up-to-date club. 51

PARTRIDGE and Columbian Wyandottes. Eggs \$1.50 and \$2.00 per 15. \$3.00 per 100. Matings fine. Marshall Poultry Yards, Marshalltown, Iowa. 47

INCUBATOR OIL

You can increase your hatch twenty-five per cent by using in your incubators

Soline Oil

No Smoke, no Odor, a perfect Oil, made from premium Pennsylvania Crude.

Orders filled from Knoxville and Chattanooga, Tenn., High Point and Greensboro, N. C., Baltimore and Cumberland, Md. Address

TENNESSEE OIL COMPANY, K. & O. Ry. Knoxville, Tenn.

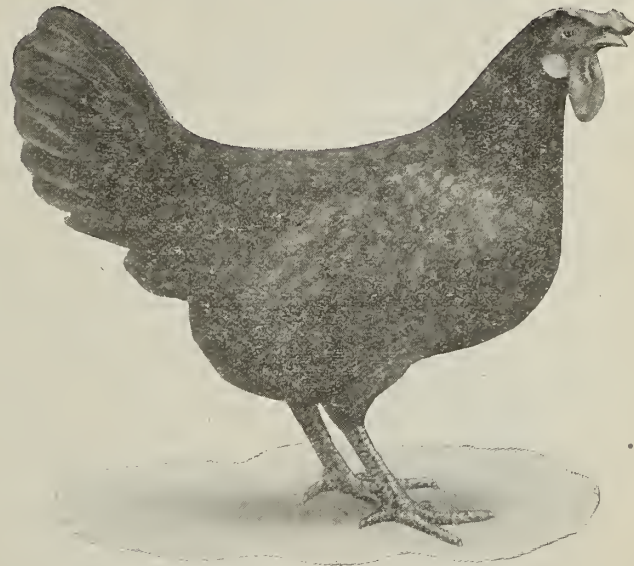
INDUSTRIOUS HOUDANS

As show birds and winter layers, they have never been beaten. I won my first show record in Kalamazoo, Mich., in 1891, and have been first prize winner ever since. I have line-bred from imported stock from the start and can suit the most exacting. EGGS \$2.00 per 15. Circular free.

A. A. CHIVERTON, Box 62, Livermore, Ky.

MY

SINGLE COMB BLACK MINORCAS



First Hen, Score 96—Knoxville, Tenn., Jan. 1908—Owen.

MON AT KNOXVILLE

1st Cockerel—Score 94½; 1st Pullet—Score 96; 1st Hen—Score 96; 1st Pen; 2nd Pullet—Score 95½; 2nd Hen—Score 95.

CLUB SPECIALS FOR BEST COCKEREL, HEN, PULLET AND PEN.

EGGS \$3.00 FOR 15.

Write for Free Circular.

FRED E. CARTER, IRWIN AVENUE, KNOXVILLE, TENN.

WOODLAND POULTRY FARM

Has been Taking Prizes for Twenty Years in

B. P. Rocks, Black Langshans, White Wyandottes, S. C. White and Brown Leghorns and S. S. Hamburgs

BLOOD TELLS. THEY WIN FOR ME AND WILL WIN FOR YOU

Mrs. R. H. Bell, Washington Pike, Knoxville, Tenn.

The KNOXVILLE STORAGE CO.

SOLE AGENTS, 123 Jackson Avenue, KNOXVILLE, TENN.

CARRY FULL LINE GYPHERS' INCUBATORS AND BROODERS.

Prospective buyers are invited to call or correspond. They can save you money and show goods before you buy

PARRISH'S

Light Brahmas

—AND—

Columbian Wyandottes

Parrish Breeds and Sells More Show Specimens than any Five Brahma or Columbian Breeders in the South.

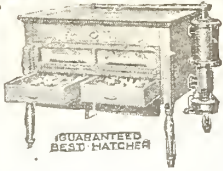
Write for Catalogue.

T. REID PARRISH,

NASHVILLE " " " TENNESSEE.

STANDARD HATCHING MACHINES

Buy the Best Incubator while you are about it—"the best by test." Do not trust to guess-work, or even your own judgment unless you possess definite, positive knowledge as the result of actual, personal experience. Hundreds of well informed, reliable and successful poultrymen will tell you that the standard



CYPHERS INCUBATORS

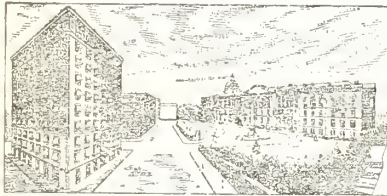
Simply have no equals. They are correct in principle, the best in construction, the easiest to operate, the most trustworthy and they hatch the largest average percentages of big, healthy, vigorous chicks or ducklings. Do not take our word for it but send today for our 1908 catalog and you will see that the leaders use Cypfers incubators. The Leading Fanciers, the Largest Commercial Poultry and Duck Plants, and the Government Experiment Stations use and recommend Cypfers incubators.

Write Today for 212-Page Free Catalog of Incubators, Brooders and Poultry Supplies—the biggest catalog—the greatest variety of poultry supplies manufactured by any one firm—everything for poultry-keepers. Read it—it will save your time and money. Address nearest office.

CYPHERS INCUBATOR COMPANY
 Factory and Home Office: Buffalo, N. Y.
 BRANCH HOUSES: New York City; Boston, Mass.; Chicago, Ill.;
 Kansas City, Mo.; Oakland, Cal.; London, England.

Commonwealth Hotel

Opposite State House, Boston, Mass.



Offers rooms with hot and cold water for \$1.00 per day and up; rooms with private bath for \$1.50 per day and up; suites of two rooms and bath for \$3.00 per day and up. Weekly rates on rooms with hot and cold water and shower baths, \$6.00 to \$9.00; rooms with private baths, \$9.00 to \$12.00; suites of two rooms and bath, \$15.00 to \$22.00.

ABSOLUTELY FIREPROOF

Stone floors, nothing wood but the doors. Equipped with its own Sanitary Vacuum Cleaning Plant.

Long Distance Telephone in Every Room. STRICTLY A TEMPERANCE HOTEL.

Send for Booklet.

STORER F. CRAFTS,
 Manager.

BUFF PLYMOUTH ROCKS
LINE BRED
 From New York and Chicago
WINNERS
 Get my Mating List.
J. C. COMFORT
 State V. Pres. Buff Rock Club
KNOXVILLE, TENNESSEE.

Keep Only One Breed.

The advantages to be enjoyed in having one distinct breed I shall sum up as follows:

1. The flock is more beautiful.
2. If the old adage be true "That birds of a feather flock together" a flock of all one kind are more docile and contented.
3. The birds of a separate kind are always more salable.
4. It is easier to develop a better laying strain of fowls.
5. The sale of eggs to private customers is enhanced as they will be more uniform in size and color.
6. The mother hen will not object to any one of odd color when they are all alike.
7. In mixing the breeds they are more apt to deteriorate than improve.
8. The study of the nature of one breed is more easily learned.
9. Comparisons can be better made and a greater degree of excellence obtained by handling one breed.

The match team, the herd of Holsteins, the flock of Shropshires, or the pen of Chester Whites always look the most salable and attractive. The most experienced poultrymen have proven the above argument to be correct, hence why should any one potter along with a flock of mongrels which eat as much as a good flock and yet fall short of the best results? Hence we say get one good breed, it matters not what breed you select, you can be governed by judgment and taste, and develop them, care for them earnestly and the good results will abundantly reward you both in pleasure and profit.—G. H. Hubbard, Mottled Ancona Specialist.

Where to Put the Incubator.

The cellar is an excellent place for an incubator. It is usually warm, dry and not used in winter enough so that draughts will enter. A third story room is also a good place, but with the lamp incubators there is a necessity for watching them closely and so many steps up and down stairs do not appeal to poultry raisers. If the farmer wishes to have just one incubator, not owning a house for such purposes, the cellar is about the best place on the farm. Incubators should be kept out of all draughts. As the temperature from outside readily affects the eggs. A uniform even heat must be kept in the incubator and a place in or near the house is much better than the barn. Of course where several incubators are put into operation the poultryman must provide a place for such where every one will be given an equal, fair test with the others.

Paint the interior of your hen parlor with milk cement paint, skim milk and cement any proportion to suit. A thick paint fills all crevices and imprisons lice and eggs. Put in yellow ocher, Spanish white, or any dry color to suit.

Licensed Poultry Judges.

Below is a list of Licensed Poultry Judges of the American Poultry Association. Send \$2 and we will insert your name and address under this head for one year:

Chas. V. Keeler.....	Winamac, Ind.
S. T. Campbell.....	Mansfield, Ohio
Clarence W. King.....	Romulus, N. Y.
John Dudley.....	Emporia, Kansas
O. P. Greer.....	Bourbon, Ind.
A. B. Shaner.....	Lanark, Ill.
Phil Feil.....	Canal Dover, Ohio
F. J. Marshall.....	College Park, Ga.

EGGS FOR HATCHING

White, Buff and Barred Rocks,
 Silvered, Buff and Golden Wyandotte,
 White and Brown Leghorns,
 S. C. R. I. Reds, Guaranteed Pure,
 Also 75 Varieties Strawberry Plants.

CATALOGUE FREE.

J. A. BAUER,
 Box 21 - Judsonia, Ark.

Show Dates.

Secretaries and others interested are requested to send in show dates of county and state fairs and poultry shows for publication.

- Tennessee State Fair, Nashville, Tenn., September 21 to 26. J. W. Russwurm, secretary.
- East Tenn. Poultry Assn., Knoxville, Tenn., Dec. 9-12, 1908. Jno. G. Jennings, Secretary.
- Hutchinson and Marshall, Judges.
- Bristol, Va.-Tenn. Poultry Assn., Dec. 16-19, 1908. W. H. Cochran, Secretary.
- Asheville Poultry Stock Assn., Asheville, N. C., Dec. 1-4, 1908. Mrs. C. B. Campbell, Sec.
- Randall, Iowa, Dec. 11 to 15, 1908. D. M. Anderson, Secretary. Geo. D. Holden, Judge.
- Salem, Ind.—Will hold next show Dec. 28 to Jan. 2, 1909. F. J. Heacock, Secretary; J. C. Clipp and F. J. Fechocke, Judges.

S. S. HAMBURCS

Stand in the front ranks for beauty and eggs, laying the year round; a medium white egg. Our birds have been bred for years from high scoring, heavy laying ancestors. Prices, eggs, \$2.50 for 15; \$4.50 for 30 from choice matings. Also a few cockerels for sale. We deal on the square. R. F. D. No. 6, Box 13.
CORUM BROS.. RUTLEDGE, TENN.

Headquarters for
 Poultrymen
HOTEL IMPERIAL
 Knoxville's Most Modern
 and Up-to-Date Hotel
 LONG DISTANCE PHONES
 IN EVERY ROOM
 Rates \$2.50 and up. Rooms
 with Bath, \$3.50 and
 \$4.00 per day
AMERICAN PLAN

EGGS FOR HATCHING

FROM
White Plymouth Rocks of Quality

"FISHEL" STRAIN.

"The best in the world." They are "correct" in every way. They are "the kind that's different. Beautiful illustrated circular and mating list tells the rest. Write

PLUMMER McCULLOUGH,
 White Plymouth Rock Specialist.
 Box A., Mercer, Pa.

Printing
FOR POULTRYMEN
 When in need of Letter-Heads, Envelopes, Note-Heads, Shipping Tags, Business Cards, Post Cards, Circulars, Folders, Etc. Get our samples and prices before you place your order FINE CUTS USED. We pay the Express charges. Samples cheerfully sent FREE. (Mention your breed.)
W. A. BODE PRINTING CO. BOX 176. FAIR-HAVEN. PA.

COLUMBIAN WYANDOTTES

COLUMBIAN WYANDOTTES with proven Show Room merit—unexcelled utility qualities.
 EGGS, 1 Setting \$3.00; 2 Settings \$5.00.

H. E. CAIN - - - Asheville, N. C.

QUESTIONS AND ANSWERS.

- (1.) Does rye make good feed for chickens?
- (2.) Is it of any value to soak grain (perhaps in hot water) before feeding? I have been feeding considerable oats, corn, and rye and thought that soaking was likely to make grain more digestible. I soak ten or twelve hours.
- (3.) Is there any way of getting charcoal without buying it?
- (4.) Could you not bring suggestions of how to make a practicable trap nest? I have been experimenting but are not very well satisfied.
- (5.) The feed in my hoppers is apt to stick. Do others have the same trouble?

Answers.

- (1.) Yes, about the same value as corn, but you will find it hard to get the fowls to eat it.
- (2.) No particular value. The fowls will probably eat more if soaked. It does not improve digestibility enough to make it worth while. Some people soak oats because they are afraid to feed whole oats dry. We have fed them dry for eight years, even to half grown chicks without any bad effects. Feeding soaked grains may cause crop to pack. We have heard of such cases. At any rate you may be sure that it's not worth the trouble it takes to soak grain.
- (3.) Yes, make it yourself, or sift the ashes from a wood fire in fire place or stove; you will have some good charcoal left. You can certainly buy a sack of charcoal, it's usually 50c a bushel, crush this for your fowls.
- We prefer the prepared charcoal, it does not cost much.
- (4.) If you will refer to back files of THE INDUSTRIOUS HEN you will find illustrated plan of trap nest used at U. of Tenn. Exp. Station. You will find a good trap nest advertisement in this paper.
- (5.) Your hopper is not properly made. Send to Secretary of Agriculture at Washington for Farmers' Bulletin No. 316, on Hopper Feeding. It contains plans. It is free.

"Peek's Pecan Circular"

Send for free copy. Hartwell Pecan Nurseries, Hartwell, Ga. Established in 1882.

"A Short Talk on Pecans."

Starke Pecan Nurseries, Starke, Fla. Write a postal card for it.

Are You Looking For a Home?

No farmer should think of buying a home before seeing a copy of the Journal. It has nearly 4,000 farms, city property and stocks of goods advertised in it, and reaches 50,000 readers each issue. Advertising rates 2c per word. Send 10c in silver for a two months' trial subscription.

FARM AND REAL ESTATE JOURNAL.
TRAER, IOWA.

S. C. RHODE ISLAND REDS (Deep Cherry)
WHITE PLYM. ROCKS (Large, vigorous)
WHITE WYANDOTTES (Laying Stock)

These birds all high strains; heavy layers; prices moderate; fair dealing. Eggs \$2.00 per 15. Customers pleased.

R. E. TRAVIS, Bonnie View Poultry Yards
Goodlettsville, Tenn.



CORNISH INDIAN GAMES

Winners of 1, 2, 3 prizes, Alabama Agricultural Fair, 1907. Buy eggs from acclimated stock—from my prize winners you get the best. Eggs \$2.00 per setting.

W. R. GREENE,
30 Amanda Street, Montgomery, Ala.

CORNISH INDIAN GAME AND ROSE COMB RHODE ISLAND REDS

My pens of these two noted breeds are unsurpassed for beauty and utility.

Eggs Only In Season.

Games \$3.00 per setting. Reds \$1.50 per setting.

MRS. TULLY DIRDSONG, R. 5, PULASKI, TENN.

IF YOU ARE LOOKING FOR
**Rose Comb
Black Minorcas**

of the kind that have won the majority of the prizes contested for at Chicago, Indiana State Fair and the Jamestown Exposition, you should not fail to send four cents in stamps for the finest R. C. Black Minorca catalogue ever published. Contains full description of breeding pens, show winnings; and illustrations of 25 prize winning birds. When thinking of R. C. B. Minorcas always remember

LLOYD G. MISHLER, R. R. 2, N. Manchester, Ind.

RED BIRDS
THE QUALITY KIND
SINGLE COMB RHODE ISLAND REDS
America's Best Breed
I BREED PRIZE WINNERS

Won at Bristol and Knoxville, this season: Bristol—2nd, 3rd cocks; 2nd, 3rd cks; 1st, 4th hen; 3rd pullet and 2nd pen. Knoxville: Over 200 competing. 1st cock and 3rd hen; 4th pullet. Stock and eggs for sale. Eggs, \$2.50 per 15. \$4.00 per 30.

E. E. ELLSWORTH, Johnson City, Tenn.

BUFF ORPINGTONS

I have hatched some sons and daughters of First Cock and First Pen Madison Square this year. Can spare a few good ones at reasonable prices.

H. H. KINGSTON, JR.,
Brighton P. O. ROCHESTER, N. Y.

BLACK'S BLACK LANGSHAN EGGS WILL GIVE YOU BLOOD FROM A NOTED PRIZE-WINNING STRAIN

Bred for all standard requirements—combined with superior egg production. Eggs, \$2 per 15, \$3.50 per 30. Send for circular describing the strain and giving recent show record. A few choice birds y-t for sale.

A. M. BLACK - TAZEWELL, VA.

Fine View
Poultry Yards

„White Plymouth Rocks..

White Plymouth Rocks, prize winners, scoring from 91.1-2 to 95.3-4, by Judge Hemlich, from \$1.00 to \$5.00 each. A few M. B. Turkeys of superior quality. Eggs in season.

MRS. W. A. DICKINSON, TRENTON, KY.

SINGLE COMB BUFF ORPINGTONS

Won at Morristown, Tenn., show, 1st pullet, 2nd pullet, 2nd cockerel. Eggs from select stock carefully mated. \$2.00 per 15.

R. B. BEWLEY - RUSSELLVILLE, TENN.



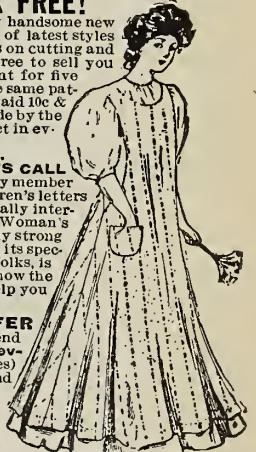
VIGER'S CRUSHED CHARCOAL

Will Keep Your Poultry Healthy. It is a natural disinfectant and purifier, absorbs all impurities and disease germs, and keeps poultry in perfect laying condition. Fowls eat it readily. Three sizes: coarse granulated for mature poultry; fine granulated for small chicks; pulverized for soft feeds, etc. Write for samples and special quantity prices. Trial sack of 50 lbs., 50c

VIGER'S COAL AND WOOD CO.,
438 Twentieth Street, Detroit, Mich.

FASHION BOOK FREE!

I want to send you my handsome new book showing hundreds of latest styles with illustrated lessons on cutting and dressmaking. I will agree to sell you all the patterns you want for five cents each. They are the same patterns you have always paid 10c & 15c for at the stores, made by the same people, and correct in every detail.



HOW I DO IT. I publish the FARMER'S CALL a weekly paper for every member of the family. The children's letters each week are an especially interesting feature; and the Woman's Department is unusually strong and instructive. Among its special features for women folks, is its fashions in which I show the 5c patterns. Let me help you to save money.

MY SPECIAL OFFER. Send me 25c and I will send you the Farmer's Call every week (over 1000 pages) for one year and will send my big Fashion Book to you free. I also agree to sell you any pattern you want therefor for 5c. I can sell them for 5c because I buy them by the thousand and don't make any profit. I don't want the profit. I want your subscription to the FARMER'S CALL. You will save many times the cost of my offer in a year. WRITE TO-DAY!
JOHN M. STAHL, Dept. 672 QUINCY, ILL.

S. C. BUFF ORPINGTONS

WILLIAM COOK STRAIN



I have unquestionably the finest stock in the South. I have won prizes at Madison Square, Tennessee State Fair and at Nashville, in fact have never missed a premium where shown.

YOU CANNOT FIND BETTER ORPINGTONS

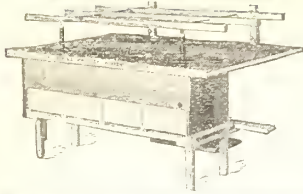
First Premium Eggs \$5 for 15. Second Premium \$3 for \$15

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CAMPBELL'S WINNERS:

Buff and Brown Leghorns, Partridge Wyandottes. My Buffs are buff to the skin, heavy layers and won at Asheville, 2nd ck, 1, 4 hen; 1, 3 ckl; 1, 3 pul; 1, 2 pen in strong competition. In Brown Leghorns two entries won 1st cock. My Partridge Wyandottes are winners, good layers and fine market birds. Eggs \$2.00 per setting.

MRS. C. B. CAMPBELL - Asheville, N. C.



BIGGER POULTRY PROFITS FOR YOU

—If you know the secret of picking the layers from the non-layers, the loafers in your stock. The Potter System teaches you this: keep only layers, they are the payers. 20,000 poultrymen now use our system and make more money. Send for free circulars about it, also large 64 page catalogue telling all about Poultry House Fixtures, V. E. Roosts, Perfection Feed Hoppers, Trap Nests, etc. If you want to know how to have complete, convenient and sanitary quarters for your fowls and how to make money on them, don't delay in writing to us for our catalogue. Potter Poultry Products are for Particular Poultry People. Are you particular? Then write us at once, for you are losing money every day for delay in learning what we offer.

T. F. POTTER & CO.,

Box L.

Downers Grove, Ill.



MANSON CAMPBELL,
President,
The Manson Campbell
Company, Ltd.

Let My 50 Years Success Start You Right for Poultry Profits

Whether you are an expert Poultry Raiser, or a Beginner, it will pay you, especially this year, to write me a postal for my New Free 1908 Chatham Incubator and Brooder Book on Poultry Science.

My 50 years of practical experience in building Chatham Incubators and Brooders is told fully in this book. I tell you how you can start in the poultry business with a small amount of money and offer to prove to you on 5 years' guarantee that my machines are the best made. My 1908 book is so full of the latest improvements in chicken raising methods and practical information that no Expert or Beginner can afford to overlook it.

Take 84 Days Free Trial of My Chatham Incubator

If you are an Expert, set a Chatham beside any other incubator in the world and prove at my risk for 84 days on 3 hatches that Chathams beat the rest.

If you are a Beginner, just hold off a day or two until you get my low factory prices direct to you—freight prepaid—and read my 1908 Book before you buy. Write a postal to me personally, now, to get it.

Learn all about our two immense factories—our new improvements and our ways of testing every machine at our own experimental station.

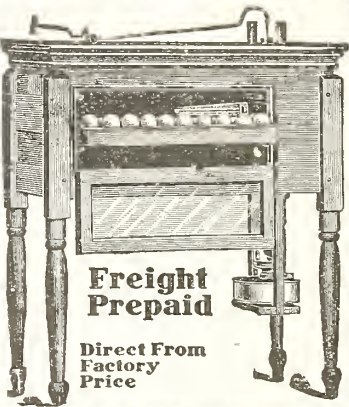
When a Chatham Incubator or Brooder leaves our factory to go to you it carries 50 years of successful experience with it and is an assurance of your success.

New, Free Chatham Poultry Book

It tells you how our \$500,000 invested in the Incubator manufacturing business is really an investment back of every one of our thousands of customers to make them successful poultry raisers from the time they start with CHATHAMS. Write nearest office.

The Manson Campbell Company,
139 Wesson Ave., Detroit, Mich.

We have 24 Branch Warehouses, and make prompt shipments.



Freight
Prepaid

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The Growth of a Fence Concern.

Although comparatively a new concern in the business, the Ward Fence Co., of Decatur, Ind., is to-day, perhaps the largest manufacturer of Ornamental Wire, Wrought Iron and Steel Picket, and Don't Rust Farm and Poultry Fencing in the country.

This marvelous development is not to be wondered at, as the company is officered by men who have had many years' experience in the making and sale of wire fencing and have given the matter a life-time study. The result is a product unequaled by any fence on the market. Their great success is plainly shown by the fact that an addition to their plant, which trebles their former output, has just been completed.

The ornamental wire fence of this firm's make is new in design and has many valuable features unknown to the older styles of fence.

No investment on a property brings greater returns or adds more to the appearance than an ornamental fence, and the small cost is offset at once by the increase in the property's value.

To properly describe their various kinds of fences the company has issued several catalogues. Two catalogues illustrate ornamental fences, the prices of which range from eight cents a foot up. Ornamental Wire Fencing is shown in Catalogue "C" and ornamental Iron Fencing in No. 20A. "Don't Rust" Diamond Mesh Farm and Poultry Fence, a splendid fence for general use, is told of in Catalogue 57, while the "Don't Rust" Square Mesh Farm Fence is described in No. 140.

The makers will cheerfully send you prices and catalogues of the lines you are interested in, on request. Their advertisement in this paper is worth noting.

In the poultry diet, M. K. Boyer, in *Commercial Poultry*, says there must be enforced: Good, sharp grit constantly before the stock; pure, clean water, sound grain. The grit is needed properly to grind the food in the crop, thus avoiding trouble with the digestive organs. The water must be pure, clean and fresh, as impure water will carry nausea with it. The grain, whether whole or ground, must be solid and good. Damaged or musty material is very harmful.

We make a specialty of writing follow-up letters and advertisements. Cupp's Advertising Bureau, Mansfield, Ohio.

DITTO'S S. C. RHODE ISLAND REDS

AGAIN WINNERS AT LOUISVILLE'S GREAT SHOW.

My winning cockerel, a real sensation in the hottest class of "Reds" ever shown in Louisville. At three shows this season my birds have won 27 prizes and 3 silver cups, making good my claims that I have the best. If you want to raise winners, buy stock or eggs from DITTO. Circular free.

D. L. DITTO,

Brandenburg, Ky.

BLACK MINORCAS, BARRED & WHITE PLYMOUTH ROCKS AS GOOD AS THE BEST

My Minorcas have won at the five leading Southern Shows this season. Twenty-one First Prizes out of a possible 25. Four times as many 1st and 2nd prizes as all competitors combined.

Show birds and breeders for sale at reasonable prices. Eggs, \$2.00, \$3.00 and \$5.00 per sitting. Write for list of show winnings and pen matings.

C. H. LEDFERD, 81-83 Whitehall St., ATLANTA, GA.

1889 CABHART'S 1908

S. C. White Leghorns have won highest honors at Cincinnati, Lexington, Louisville, Ky., state fair, etc. Single birds, trios and pens for sale of the highest class only. A few cockerels scoring to 95-34, \$3.00 to \$10.00. Eggs that will hatch regardless of distance from the finest of exhibition matings, \$2.00 and \$3.00 per 15. \$10.00 per hundred.

Write me. Circular free.

W. E. CABHART,

Box M.

BOHON, KY.

EGGS FROM EGGS BREEDERS WHITE WYANDOTTES

My birds are large, hardy and vigorous, being good in color, shape and markings every way. I will mate my yards early this season and can furnish eggs from very fine matings at \$2.00 and \$2.50 per 15. For further information write

SAM G. BREEDEN, JR.,

R. F. D. No. 3,

DECATUR, TENN.

**ROSES
GUARANTEED
TO
BLOOM**

No risk in buying roses

under our guarantee-to-bloom-plan. Money back for those that fail. Your simple word is all the proof we require.

How can we give such an extraordinary iron-clad guarantee? It's all explained in our 136-page color plate "Floral Guide." Write for it to-day—free.

5 Quick Blooming Roses, 50c

All guaranteed to bloom this year—or your money back. All thrifty growers and profuse bloomers.

Champion of the World (rosy pink);
Cloilde Souper (creamy white with rose centre);
Alliance (bright golden yellow; shell pink centre);
Cornelia Cook (white tinged with rose);
Princess Hohenzollern (deep satiny red).

Every rose labelled and every rose guaranteed to bloom this season. Order now and we will ship prepaid at proper planting time. *This advertisement will not appear again.*

Don't forget to write for "Floral Guide." Contains descriptions and helpful cultural directions not only of roses, but hundreds of other choice flowers and plants. It is free.

The Leonard & Jones Co.
Growers of the Best Roses in America
Box 26 B West Grove, Pa.

West Haven Poultry Association.

At the annual meeting of the West Haven Poultry Association, the following officers were elected for the ensuing year: President, E. L. Stevens, New Haven, Conn.; Vice-Presidents, W. W. Gale, New Haven, Conn., J. E. Knecht, East Haven, Conn.; Secretary, F. J. Reveley, East Haven Conn.; Treasurer, O. B. Cooper, Westville, Conn.

The dates selected for their seventh exhibition are Nov. 25, 26 and 27, and plans are already under way to make it the best and largest show ever held by the association. Public lectures, judging contests, etc., are planned to keep up interest and enthusiasm.

Get the viewpoint of the buyer. No difference what you raise, remember its final salability is fixed by the buyer's view.

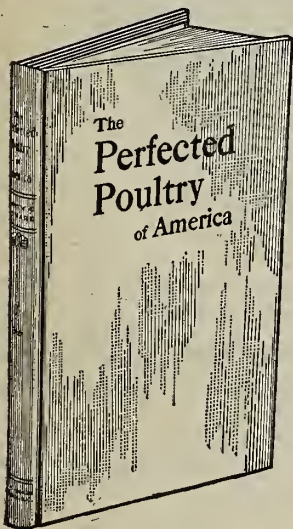
A NEW \$10,000 POULTRY BOOK.

Free Sample Sheets.

The world's greatest illustrated book of Poultry, Turkeys, and Waterfowl, with 117 full page plates of the fowls, feathers, and detailed markings.

\$10,000 Poultry Book, containing the most complete and authentic work on the origin, history, breed, characteristics, shape, and color markings of the recognized breeds of poultry.

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SINGLE COMB RHODE ISLAND

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QUICK GROWERS, HARDY. WELL
MATED PENS OF HEAVY LAYING
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3000 Raised

Three years' trial is a good, fair test. When poultry-raisers "stick" to **Pearl Grit** that long you may figure that they'll stay with us for years to come. Here's what they said in 1905:

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Gentlemen:--We wish to say we have used your Pearl Grit for three years past with the greatest satisfaction. We reared 3000 excellent specimens on your grits last season. We find it far better than many others, your grit being more sharp, and valuable until worn out. Being white in color, the birds easily find it, and little is lost.
Respectfully, WILBUR BROS.
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They are still with us, throwing Pearl to their poultry. They find it economical and profitable.

Pearl Grit

is not a food, but a "balancer" and grinder. It contains chemical ingredients not in grains, grasses, clover or flesh: Lime, Silicon, Aluminum, Sulphur, Iron, Magnesia, etc.—every one necessary to the healthful development of chicks and fowls.

Lime is turned into bones, and egg-shell. Fowls that are denied lime cannot put shells on the nearly finished eggs, and consequently are prevented from being active layers. Silicon is changed into claws, beak, feathers and leg-scales. Sulphur is a very necessary part of the yolk. Alumina appears in the white; Magnesia in the shell and Iron in the blood.

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We will place your ad in nearly 200 magazines for 50 cents a line and allow you 20 cents a line for a few minutes work. Will place in weeklies for 1c. a line and allow you 1-2c. a line for a few minutes work. Stamp for particulars. Cupp's Advertising Bureau, Mansfield, Ohio.

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**CHAMBERLAIN'S PERFECT
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BARRED ROCKS and WHITE WYANDOTTES**

WIN WHEREVER SHOWN

Winning first honors at Knoxville, Sweetwater and Madisonville, Tenn.

Our birds are farm-raised. Send us your order and start right

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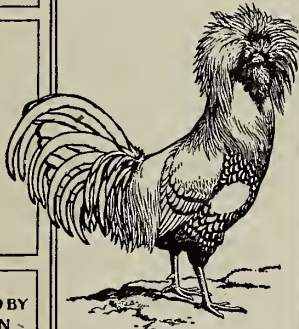
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PUBLISHED BY AMERICAN POULTRY ASSOCIATION



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EXHIBITION FEMALES A SPECIALTY.

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Best winter layers on earth Record laying strain

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Our birds are standard bred and from finest laying strains. Prize Winners every time 16 First, 9 Second, 7 Third Premiums in three September, 1907 shows. 1907 Tennessee State Fair—7 birds entered—won 3 1sts, 3 2nds, 1 3rd. 1907 Georgia State Fair—5 entries—1st cockerel, 1st pullet, 1st pen, 3rd pullet.

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Faust's S. C. Buff Leghorns

Are descendants of winners at greatest shows. My customers and I won every prize offered on Buffs in every show where shown. At Jefferson City, in class of 20 birds on 5 entries I won 1st ck, 1st pen, 1st pul, and 1st hen (tie). Judge Owen said, when judging my Buffs, "The best combs I ever saw on Leghorns." Get a setting, eggs only \$2.00 from best pen in the South. Also owner and breeder of Celebrated Glenwood Herd, Poland China hogs. The greatest boars in world represented—pigs \$10.00 each.

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Free Range Birds! Laying Strain!

Eggs for hatching. About fifty Cocks and Cockerels (fine), to be moved at a bargain. We have an up-to-date plant, prepared to handle thousands of chickens yearly. Visitors welcome.

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The two one year for \$1.00 if subscription is sent to this office.

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PRIZE WINNERS.

As proven by their winnings at the recent show at Charleston, S. C., 1st cock, 3rd cockerel, 1st, 2nd, 3rd hen, 1st pen, 2 specials.

ONLY SIX ENTERED.

Cockerels for sale from those winners. Eggs, \$2.00 per 13 from best matings. Trapnested heavy laying strain S. C. White Leghorns, eggs \$2.00 per 13.

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Stock for sale after August first. Eggs from 2 yards of each breed for \$1.50 and \$2.50 per 15.

30 cockerels, Barred Rocks and Buff Orpingtons and a few pullets at \$1.00 and \$1.50 each.

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The White and Brown Leghorns are the greatest layers in the World. I keep 3000 of the celebrated Chamberlain laying strain on my Experimental Farm, and to increase the sale of my Perfect Chick Feed, I will send to any one who will send me their name so I can send them my Perfect Chick Feed Catalogue, 2 sittings of Single Comb Brown or White Leghorn Eggs for \$1 for the 2 sittings. Only sold in lots of 2 sittings. Eggs by the 100, \$5. White or Barred Plymouth Rock or Rhode Island Reds or Silver or White Wyandotte Eggs, \$1 per sitting. Bronze or W. Holland Turkey Eggs, \$2 for 8. This is a rare chance to get a start of extra fine stock. Send Post Office orders on St. Louis and have your orders booked early. W. F. CHAMBERLAIN, (The Perfect Chick Feed Man) KIRKWOOD, MO.

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The Best Cuts—The Least Money

\$200 IN SIX MONTHS FROM TWENTY HENS

To the average poultryman that would seem impossible, and when we tell you that we have actually done a \$500 poultry business with 20 hens on a corner in the city garden 30 feet wide by 40 feet long, we are simply stating facts. It would not be

The Philo System is Unlike All Other Ways of Keeping Poultry.

and in many respects is just the reverse, accomplishing things in poultry work that have always been considered impossible, and getting unheard of results that are hard to believe without seeing; however, the facts remain the same and we can prove to you every word of the above statement.

The New System Covers All Branches of the Work Necessary for Success.

from selecting the breeders to marketing the product. It tells how to get eggs that will hatch, how to hatch nearly every egg and how to raise nearly all the chicks hatched. It gives complete plans in detail how to make everything necessary to run the business, and at less than half the cost required to handle the poultry business in any other manner. There is nothing complicated about the work, and any man or woman that can handle a saw and a hammer can do the work.

Two Pound Broilers in Eight Weeks

are raised in a space of less than a square foot to the broiler without any loss and the broilers are of the very best quality, bringing here, three cents per pound above the highest market price.

Our Six Months Old Pullets are Laying at the Rate of 24 Eggs Each Per Month

in a space of two square feet for each bird. No green cut bone of any description is fed, and the food used is inexpensive as compared with food others are using. Our new book, the PHILO SYSTEM OF PROGRESSIVE POULTRY KEEPING gives full particulars regarding these wonderful discoveries with simple, easy to understand directions that are right to the point and 15 pages of illustrations showing all branches of the work from start to finish.

CHICKEN FEED AT 15 CENTS A BUSHEL. Our book tells how to make the best green food with but little trouble and have a good supply any day in the year, winter or summer. It is just as impossible to get a large egg yield without green food as it is to keep a cow without hay or fodder.

OUR NEW BROODER SAVES TWO CENTS ON EACH CHICKEN No lamp required. No danger of chilling, overheating or burning up the chickens, as with brooders using lamps or any kind of fire. They also keep all lice off the chickens automatically or kill any that may be on when placed in the brooder. Our book gives full plans and the right to make and use them. One can be easily made in an hour at a cost of 25 to 50 cents.

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POULTRY REVIEW,

14 Third Street, Elmira, N. Y.

possible to get such returns by any of the systems of poultry keeping recommended and practiced by the American people, still it is an easy matter when the new PHILO SYSTEM is adopted.



White Orpington pullet raised by the Philo System laying her 15th egg eighteen days after laying her first one. She laid 26 eggs in August and has now laid \$1.00 worth of eggs at seven months of age.

Don't Let the Chickens Die in the Shell.

One of our secrets of success is to save all of the chickens that are fully developed at hatching time, whether they can crack the shell or not. It is a simple trick and believed to be the secret of the Ancient Egyptians and Chinese which enabled them to sell the chicks at ten cents a dozen.

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Your system of poultry keeping should appeal to all poultrymen. The advantages of your system are many, and the quality of the large flock of poultry you have raised on your city lot is the best evidence of its success.

GEO. L. HARDING.

Valley Falls, N. Y., Sept. 5, 1907.

It was my privilege to spend a week in Elmira during August, during which time I saw the practical working of the Philo System of Poultry Keeping, and was surprised at the results accomplished in a small corner of a city yard. "Seeing is believing," they say, and if I had not seen, it would have been hard to believe that such results could have followed so small an outlay of space, time and money.

(Rev.) W. W. COX.

Abington, Mass., Nov. 15, 1907.

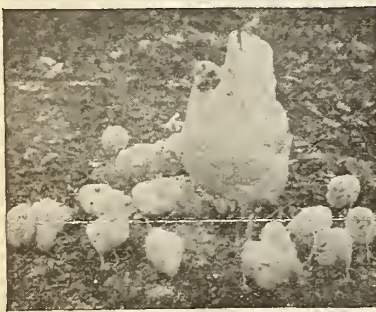
The Philo System Book received today. It is beyond doubt the best thing of its kind that I have ever seen. There are one or two single items that I consider worth the full price of the book: I will begin tomorrow to remodel my plant, to follow the lines laid down in your book as nearly as possible, and next fall I hope to have the business reduced to your exact methods to keep a flock of about 150 fowls.

M. R. BOND.

Jacobs Creek, Pa.

I received the Philo System Book mailed to my home address, Beachtree, Pa. I am highly pleased with it and am anxious to spread the good news as far as I can. I am a preacher of the Gospel, engaged by the Baptist Association to do Evangelistic work. I am on the road all the time; have about fourteen days in each town. I am very much interested in the hen and will do all I can to help the other fellow to know how, and to spread the good tidings received in the Philo System.

(Rev.) F. B. WILLIAMS.



No. 6; Score 93, Egg Record 197.

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Winners.

HARD TO BEAT

LARGE PRODUCTION
Layers.

BAYNE'S EGG RECORD STRAIN OF WHITE WYANDOTTES

With fowls having an average egg record of 198 eggs in a year, I won this season at Knoxville, December, 1906, 1st hen, 3d cock, 2d pen, highest scoring W. W., and had best shaped male. At Bristol, Va., January, 1907, 1st, 2nd cock; 1st cockerel; 1st, 2nd, 3rd, 4th hen; 1st, 3d pen; best shaped male, and silver cup for largest winning display of 10 or more birds in American class. My fowls have vigor, health and hardiness; raised on free range—forty acres. Breeds, show or business birds on sale. Eggs \$2 for 15; \$3.50 for 30; \$4.50 for 50; \$8 for 100.



T. L. BAYNE, RUSSELLVILLE, TENN.

Cup Won at Bristol Show.

BUFF WYANDOTTES

Blocky, Blue Blooded and Buff to the skin. These are business birds as well as prize winners. I have bred them for years and breed them true and right. At Bristol, December, 1907, I won 1st, and 3rd Cockerel, 1st and 2nd Hen, 3rd Pullet, 1st Pen and all Club Specials in one of the largest classes at the show. My birds are true buff in color, good size, good shape and full of vigor. A few fine Cockerels for sale. Eggs for Hatching from Prize Matings, \$2.00 and \$3.00 for 15.

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EGGS

From prize winning R. C. White, R. C. Black, S. C. Black Minorcas, Buff Rocks, Barred Rocks, Buff and Columbian Wyandottes, Buff Orpington, S. C. White Leghorns, R. C. R. I. Reds, Pekin Ducks, Toulouse Geese. Eggs \$1.00; \$2.00 per 15. Duck 10c. Geese 20c each.

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Hamaline Ave. Zanesville, Ohio.

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Illustrated Monthly

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Numbers and initials count as words. Please count the words correctly and avoid delay. We keep no books with this department and CASH MUST INVARIABLY ACCOMPANY THE ORDER.

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FISHEL'S White Rocks. Prize winners. Eggs from best pen \$2. Send for free circular and mating list. F. L. Malkemus, R1, Davis, Illinois. 47

IF YOU WANT WHITE ROCK cockerels I have some rare bargains. Money back if not satisfied. A nice present for every one. W. G. Jennings, Carthage, N. C. 46

BARRED PLYMOUTH ROCKS for sale. Cockerels \$1.50 to \$2.00 pullet \$1.00. Eggs in season., Parks 198 egg strain. A.J.S. Diehl Port Republic, Va. 48

BARRED AND WHITE Plymouth Rocks. Prize Winners. Stock and eggs for sale. Utility eggs, 26 for \$1. Special pens from \$2 to \$5 for 15. Berry Poultry Yards, R1 Herndon, Virginia. 50

\$8 FOR \$1. (Fishes). White Rock eggs \$1 per sitting from pen that cost \$8 per sitting, headed by first prize cockerel. Cockerels \$2.50 each. Mrs. Coleman Hinckle, Bardstown, Kentucky. 48

DICKINSON'S WHITE ROCKS—Best in Ohio. Fifteen grand pens for 1908. I positively guarantee to ship you eggs from Madison Square Garden, Newark and Ohio State winners for only \$2 per setting, \$10 and \$6 per 100. Mating list. S. M. Dickinon, Box W, Granville, O. 47

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WYANDOTTES

FOR BUFF WYANDOTTES—Eggs or stock. J. M. Workman, Burlington, N. C. 56

DUSTON WHITE WYANDOTTES—Stock and eggs. Elmer Gimlin, Taylorville, Ill. 45

PARTRIDGE WYANDOTTES. None better. Birds and eggs for sale. Homeside Poultry Yards, Adrian, Mich. 48

BROWN LEGHORNS—10 sons 1st prize World's Fair Winner, in use. Eggs \$4.00, 100—Exhibition matings \$5.00, 15. S. S. Smith & Bro. Whitesburg, Tenn. 48

WYANDOTTES - Continued.

GOLDEN WYANDOTTES—Best Kentucky and Illinois strain. Eggs \$2.00 per 15. \$3.50 per 30. \$10.00 per 100. Rezner Orr, Lewisburg, Tennessee. 48

WYANDOTTES—Silver Laced and Silver Penciled cockerels. Eggs, M. B. Turkey toms from prize winners. Elberson Poultry Yards, Elberon, Va. 47

KULP'S S. C. Brown Leghorns. Greatest layers on earth. Eggs, \$1.00 for 13. Few as good, none better. J. F. McLure, Union, South Carolina. 48

COLUMBIAN WYANDOTTES for sale—26 pullets, 10 cockerels, the cream of 117 birds, \$12 per trio up, or entire lot for \$130. Birds must prove satisfactory. J. W. Brinscr, Manchester, Va. 46

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EGGS WHITE & COLUMBIAN EGGS 10 Cts. 49 WYANDOTTES 10 Cts. EGGS FOR HATCHING. EACH L. HELLER, Bridgeton, N. J. EACH

WHITE WYANDOTTES—"Quality Kind." Eggs half price remainder this season. See display ad. this issue. Great bargains, quality considered. D. D. Slade, Box 91, Lexington, Ky. 47

COLUMBIAN WYANDOTTES—My birds won at Richmond, Jamestown, New York this season. Breeding stock at low prices. Circular for stamp. H. D. Brinscr, Manchester, Va. 55

WHITE WYANDOTTES, White Guineas, Pekin Ducks, Toulouse Geese, winners at Jamestown, Madison Square Garden, state fair and other shows. Thomas & Coates, Evelyn Heights, Catlett, Va. 55

WHITE WYANDOTTES, BARRED ROCKS, Brown and White Leghorns, prize winners at Jamestown, Nashville, Birmingham, Montgomery. Stock and eggs for sale. Forbes Poultry Yard, New Decatur, Ala. 46

SILVER WYANDOTTES.—S. C. White Leghorns, White Plymouth Rocks, (Fishes). Vigorous, farm-raised, prize-taking birds. Eggs and stock in season. W. C. Day, Box 630, Greensboro, N. C. 50

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WHITE WYANDOTTES—Fishel's "World's best" strain, direct, excellent winter layers. Beauty and utility combined. Eggs \$1.50 setting. W. A. White, Hickory, N. C. 48

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OAK HILL Poultry Farm has for sale eggs from Single Comb R. I. Reds \$2.00 per 15. \$3.00 per 30. No stock for sale. Wyatt, N. C. N. A. Hartsfield. 47

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20c per doz. \$1.00 per 100, 6 samples 10c. H. E. Bair, 540 Twilight Yards, Hanover, Pa. 58

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POULTRY BREEDERS—Send 35 cents for a 30-page monthly devoted to poultry, etc. Sample 2 cents. Michigan Poultry Breeder, Battle Creek, Mich., or send 60 cts. and receive Michigan Breeder and The INDUSTRIOUS HEN both one year. 48

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WHITE WYANDOTTES and Indian Games, Indian Runner and Muscovy ducks. Eggs for sale, \$2.00 per setting. Mrs. J. B. Abernathy, R. R. 5, Pulaski, Tenn. 51

S. C. WHITE LEGHORN eggs \$1.50 per 15. \$50.00 per 1,000. White Rocks \$1.50 per 15. P. Ducks \$2.00 per 13. Circular free. J. G. Peters, Prop., North Truro, Mass. 47

BARRED PLYMOUTH ROCKS, S. C. Black Minorcas. S. C. Rhode Island Reds. Eggs \$1.00 per 15. B. C. Routh, Randleman, North Carolina. 46

CORNISH INDIANS, Barred Plymouth Rocks, White Wyandottes, Buff Orpingtons, Brown Leghorns. Eggs \$1.50. Ramseur Poultry Yards, Ramseur, N. C. 46

100 FANTAILS in white, black and blue, \$1 each. Golden Seabright Bantam eggs \$2 per 13. Females score 93 to 94½. Lewis Culps, Pulaski, Tenn. 53

GOLDEN SEABRIGHT BANTAMS won three first, two seconds, three thirds at Montgomery, Nov. '07. For prices write Chas. Alley, Midway, Ala. 46

SINGLE COMB White and Brown Leghorns. Rose and Single Comb Rhode Island Reds. Eggs \$1.00 per 15. Oak Grove Poultry Farm, R. 3, Box 92, Fountain City, Tenn. 46

FOR SALE—Mammoth Bronze Turkeys from prize winning stock. A few White Plymouth Rock cockerels. Fishel strain direct Mrs. Jonas Huffman, Plano, Tex. R. 3 48

BRIGHT'S STRAIN Brown Leghorn cockerels, fine, \$1.50 to \$2.50 each. M. B. Turkeys, Ferguson strain, pullets \$3, toms \$5. Mrs. Louis Downer, Guthrie, Ky. 46

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BUFF PLYMOUTH ROCK and S. C. Brown Leghorn pullets and cockerels, Pekin Ducks, and first prize at Virginia State Fair White Holland Turkeys. Laurel Hill Poultry Farm, Roxbury, Va. 46

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EGGS, EGGS, EGGS—If you are interested in Barred P. Rocks, Buff Wyandottes, Rose Comb R. I. Reds, Golden Wyandottes, S. C. White Leghorns, Silver Wyandottes, Mammoth Bronze Turkeys. Write to me before placing your order for eggs or fowls. Catalogue free. Alta Vista Poultry Farm, Mrs. R. B. Fray, Prop., Advance Mills, Va. 47

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BARRED ROCKS, Light Brahas, Brown Leghorns, White Wyandottes, Pekin Ducks. Eggs \$1.50 per setting. Bronze Turkey eggs \$3.00 per dozen. Mrs. Julian B. Webb, Isbell, Ala. 52

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FOR SALE—Mammoth Bronze Turkeys "Perfection" strain. S. C. Rhode Island Red chickens, the "Jacqueminots." Miss Elizabeth D. Abernathy, Route 2, Pulaski, Tenn. 46

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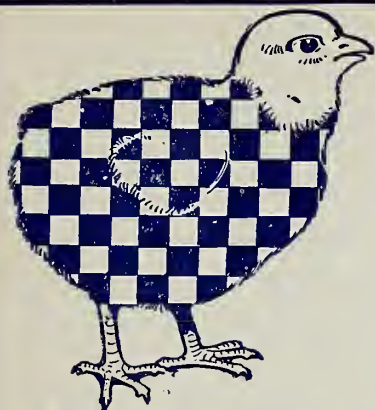
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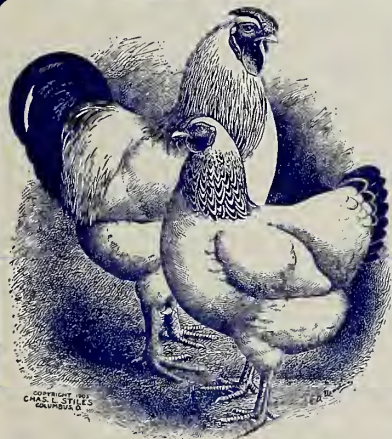
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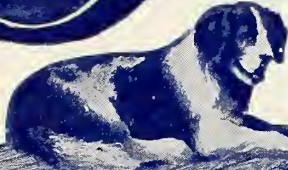
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