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SHOULD DISQUALIFICATIONS BE ABANDONED?

DECEMBER, 1908

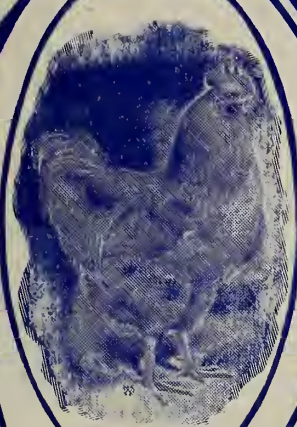
THE INDUSTRIOUS HEN

ONE YEAR 50c.—THREE YEARS \$1

AN ILLUSTRATED MONTHLY
FOR
POULTRY, LIVE STOCK AND THE FARM

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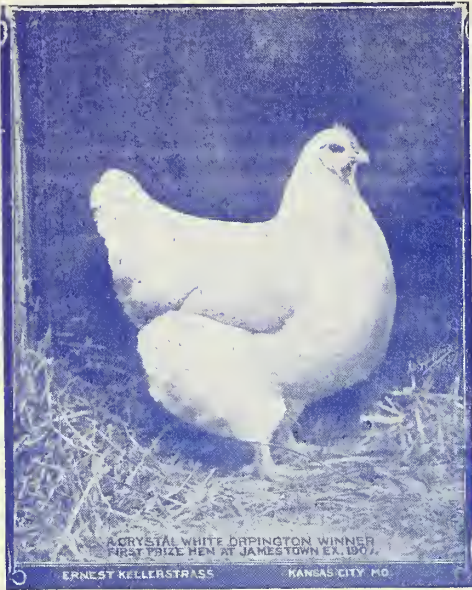
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BUTTERCUPS—A NEW BREED—J. S. DUMARESQ



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THE INDUSTRIOUS HEN

An Illustrated Monthly for Poultry, Live Stock and the Farm

Vol. 5

Knoxville, Tenn., December, 1908

(Whole No. 55) No. 7

PARTRIDGE WYANDOTTES.

WRITTEN FOR THE INDUSTRIOUS HEN BY ARCHIE E. VANDERVORT



I HAVE always been a great admirer of the Wyandotte. Its ideal shape appeals to me more than any other variety. The various colors and markings of the Wyandotte allows every one to indulge his fancy. Although all varieties of Wyandottes have good qualities alike, it is my purpose to speak a few words regarding one of the best and most beautiful of the Wyandottes, viz: the Partridge Wyandotte.

To produce a perfect specimen is the one question that confronts the fancy breeder.

An ideal has been set by man, and fanciers in their efforts to idealize their birds are devoting much of their time in hard work and study, striving to mould nature into their ideal. Will these students of nature ever completely fathom her curious and intricate way and give to the world a specimen faultless in shape and perfect in markings? We fanciers all aim for the perfect specimen, yet our efforts fall short of producing it; but to attain it is within the realm of possibilities.

To produce specimens that approach perfection is a difficult proposition. I will give a few suggestions on the mating of the Partridge Wyandotte. In shape, color of leg, etc., this variety should conform to the Wyandotte standard, and in color it is identical to the Partridge Cochin. The Partridge Wyandotte is a breed whose origin none can question and a fowl whose inherited merits none can disregard. In selecting breeding stock you must first see that they have the true Wyandotte shape, for a bird faulty in this respect is of little value. Shape or breed characteristics are of the greatest importance and should be given precedence over all other features. The Wyandotte, not unlike other breeds, has a shape peculiar to itself. It is a bird of curves, well arched neck, wide, short, cushioned back and low, short, well spread tail; a broad, well rounded breast and a short, full body, breast set upon a pair of well spread legs.

The ear lobes and wattles of both male and female should be bright red, free from white.

In mating Partridge Wyandottes some prefer double-mating, but I prefer the single mating. As the male is half the pen, take great care in his selection. See that he has the proper symmetry. In color his breast should be black, free from red, with a good slate under-color. Do not select a bird with too dark an under-color, as it is difficult to get good colored females from such a bird. Select a bird if possible that has a well penciled breast when a chick, and when he is matured, if his breast is glossy black, you will get both good colored males and females from a single-mating. His back, hackle and saddle should be a dark red with a black stripe extending down the center of each feather. In tail, wing coverts, body, fluff and thighs he should be a greenish black in color. Primaries and secondaries should be black, fluff, and thighs should be a rich mahogany bay with a is closed. His comb should be of good Wyandotte shape, but I would not sacrifice other good points merely for the sake of the comb as long as it was rose. His eye should be bright red and legs and toes yellow.

The females should have a bright red or orange red hackle, leaving a broad black stripe extending down and tapering to a point at or near the extremity; the stripe in the lower neck feathers being penciled with brown. The breast, back, fluff, and thighs should be a rich mahogany bay with a triple penciled marking running parallel with the edge of the

feather. The wing feathers black, with brown penciling on the outer web. Tail feathers should be black, except the first two, which should be penciled with brown.

I wish to call attention to shape again. Mr. T. F. McGrew says in one of his books: "Shape should come before color; it is shape that makes the breed, color the variety." Try your best to stamp the true Wyandotte shape into your flock. A Wyandotte with a high, pinched tail, long body, long legs, flat breast and slim neck is not a true Wyandotte. Breed good sized birds. I do not mean that great big, oversized ones are to be preferred to those nearest standard requirements, but undersized and immature birds should not be used. Health and vigor are of much importance. A specimen lacking in stamina, no matter how good other ways, should never be placed in the breeding pen.

Good care is an essential matter. You may buy the best, mate the best you can, but if you don't take care of your birds you will ruin all. Start right and get good stock from a reliable breeder whose birds have a good reputation in the show room.

The Partridge Wyandotte has come to stay. They are beautiful, the best of table fowl, and for laying they're always "at it."

When attending a poultry show, notice how visitors inspecting the birds will stop in front of a coop of Partridge



Frances, the 286 Egg Hen. Egg record first year, 190; second, 286; third, 220; total 696 up to the day she was three years old. S. C. White Leghorn, bred and owned by the Nola Chucky Poultry Farms.

Wyandottes and express their admiration of their beauty. They are one of the most beautiful and profitable of this great breed yet produced and bestow great credit on the work of the American fancier's art.

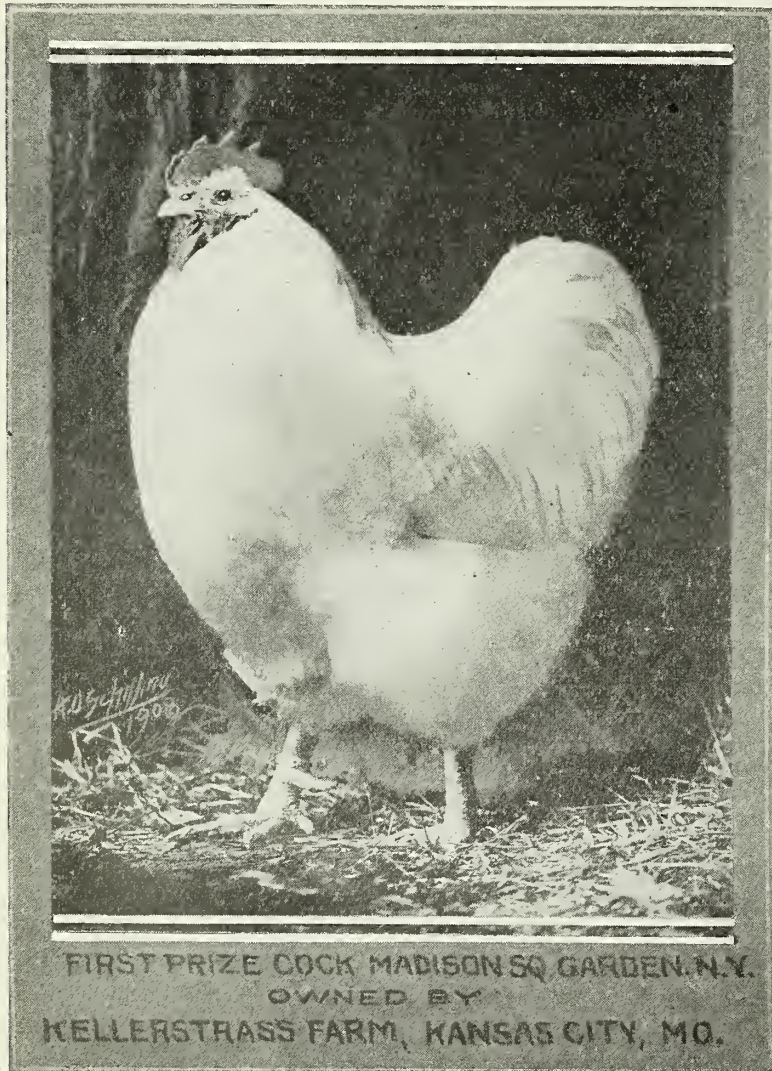
If you are thinking of breeding fancy fowls, either for pleasure or profit, or both, give the Partridge Wyandotte a trial.

SHOULD DISQUALIFICATIONS BE ABANDONED

WRITTEN FOR THE INDUSTRIOUS HEN BY PLUMMER McCULLOUGH

THERE are many questions that confront the poultry fancier of today and he sometimes is compelled to express his opinion or say nothing. The writer never did like to be on the fence and the result is he generally expresses his opinion in a very frank way. At present we hear considerable talk about the disqualifications in poultry. "Should disqualifications in fowls be abandoned?" Here is one of the questions that is asked the fancier. Should this be? I say most emphatically, no! If the A. P. A. does this it will do the fancy more harm than all the good it has done for years. To have no disqualifications and have no limit to go by would be very foolish. Why should disqualifications be discontinued? We know of no good reason. There are several reasons why they should be. To abandon them would encourage more faking and the using of poorer specimens in the breeding pens. People would soon be showing specimens with stubs on shanks, side sprigs on comb and all kinds of serious defects. Of course such specimens would not win in keen competition, but they would be a disgrace to the poultry fancy. If there were no disqualifications in fowls, many breeders would soon be using some foreign colored bird in their yards and tell you it was only a "cut for defects." If there was no disqualifications in fowls breeders could ship out any kind of a bird for breeding purposes and expect it to give satisfaction. Suppose a man picks up a White Rock in his flock that has a lot of stubs on shanks. This discourages him at once and he will not attempt to use the bird. If there were no disqualifications he could use the bird and truthfully say that it was good enough to show anywhere. But you must realize that a bird good enough to show and a bird good enough to win are as different as day and night. At present a bird free from disqualifications

weight," such as Leghorns, Anconas, etc. They certainly should be given a standard weight. At present you may breed a Leghorn as small as a Bantam or as large as a Brahma and



is good enough to show but not always good enough to win. I say that to abandon disqualifications would encourage breeding from inferior birds and would be a step in the wrong direction. I'll do all I can to fight it and hope such a foolish thing will never be adopted by the association.

Another thing, "Should all varieties have a standard

not be thrown out or cut severely. Breeders should have some idea what their favorites should weigh. It is a drawback especially to the amateur. The Bantams have standard weights and the Leghorns should have by all means. If Leghorn breeders would get a little backbone and come out and say that "we want a standard weight for our favorites" they could easily get it. This has been overlooked too often and it's up to the breeders to say what they want and then get it.

Another question is "Why should positive white disqualify a Plymouth Rock when it does not a R. I. Red or the Wyandottes?" What disqualifies one breed in the American class should disqualify another. To disqualify a Plymouth Rock that has a speck of white on its ear lobe the size of a pin head, and let a Wyandotte go that has half white on its ear lobes looks insane. It is a mistake, I think, that positive white in ear lobes should disqualify all the varieties of the American Breeds. Positive white *should* disqualify, but it should not disqualify one breed in a class and let the others go.

Then there is the egg question. "Why should we not have an egg standard," to encourage breeding from females that produce the best type of eggs? We should have a standard for eggs and one for dressed poultry. Market poultry is the foundation of the business, and it should have a standard to go by. The Standard of Perfection should contain more than feathers. Fine feathers are O. K., but we cannot live on feathers. If a fowl was used only for its fine feathers we are afraid there would be less flocks of biddies on the farms.

I would like to hear from other breeders along these subjects.

Advertise judiciously, systematically and continually. Its the only sure way to success.

The revenue of Spain and Portugal are not nearly as much as the earnings of the American hen." * * * "Every three months the Iowa hen pays for Iowa."—*The Romance of the Reaper.*

THE SINGLE COMB WHITE LEGHORN

WRITTEN FOR THE INDUSTRIOUS HEN BY CHAS. AINGE

I HAVE noticed well-written articles on various breeds, and in turn I wish to write my experience on the S. C. White Leghorn, having received many letters of inquiry about this popular breed. While it may be an old subject to readers of poultry literature, we trust that it has not yet been worn entirely threadbare. I will succeed in striking on a few points which may interest the beginner. For the past few years the popularity of breeds has depended greatly on fad and fancy. A number of the old-time favorites have fallen behind, while others have lived, improved and are better thought of than ever. Probably never before this season were White Leghorns sold for such high prices, and in such great demand; never were larger classes of White Leghorns seen at our leading exhibitions, and never better egg records made. The S. C. White Leghorn has never been so generally boomed as other popular breeds, but have lived on their merits, and as time goes on we may expect to see them more generally bred than ever before. I will confine this article chiefly to the Whites, as the whole field of the Leghorn family is rather too large for the space allowed. The value of the White Leghorn as egg producers during the fall, winter and spring months is well known. They stand today without a rival as a producer of fine market eggs, where they are thoroughbred. Many breeders of the heavy varieties make their claims for prolific egg production for their favorites. There are two questions which must be considered when determining a hen's laying value—one is how much it costs to grow her to laying age, and the other how much it costs per year for her maintenance. There is no profit in producing 200 eggs per year from a hen if it costs more to produce them than they are worth. It will be found that the cost of keeping poultry per head is nearly in proportion to their weight. It is absurd to state that it costs about so much per year to feed a hen, when anybody will see at a glance that a Brahma would starve on what would more than keep a Bantam. The smaller a hen can be bred without injuring her egg producing qualities the more valuable she becomes. It is natural that the so-called general purpose classes have become very popular; nearly all farmers prefer them, as their birds forage for a living, and no account of expense is kept. They stand more exposure, but in spite of all said the White Leghorn holds a place from which it cannot be driven by any large breed, and as time goes on and egg farms grow, the popularity of the White Leghorn will increase. This Leghorn is, I believe, the most economical egg producer we have, and has won her just title, the business hen of America.

AS SHOW BIRDS

the White Leghorn is without peer. He is as trim, active, and graceful as a Game bird with a hard, close-fitting plumage. It is not altogether improbable that the Leghorns and the Games are somewhat akin. The two have been bred with vastly different objects in view—the one for egg producing, the other for fighting. In our leading exhibits you will always see a variation in the sizes and shapes of the birds which meet in competition. If a bird is very bad in size, shape or comb, he will, of course, not be likely to win. The Leghorn type is one of the hardest to maintain, being rather extreme in its characteristics. The bird must be in the pink of condition and feeling his best, or he will show badly. Let him get tired or a little out of condition, he is perhaps ruined, whereas the heavy breeds are always quiet and sluggish, and could not get squirrel-tailed or develop lopped combs. In the face of all this a Leghorn is handicapped one and one-half points when competing for a prize against these heavy breeds, because he is not bred to any given weight. He is, however, subject to a weight clause, which is credited 10 points. There is no trouble in keeping birds up to weight; in fact, nine-tenths of the birds in the leading shows are above weight. Again a white, or in fact, all solid colored birds, are handicapped one and one-half points when in competition with parti-colored breeds. From this it might be conjectured that solid colors are more easily bred. Are they? Take white on a bird with a yellow shank; a pure white throughout, including the quills, is demanded. Pure white means white absolutely free from all color pigments; but the shanks of the bird, also the skin, are to be yellow. There is no power on earth that can produce such a combination. Is it just to cut a White Leghorn three points for no other reason that because he is a White Leghorn? He could not defeat a 97-point competitor, or even tie one scoring 98. To

do so he would score 101 points. While on the subject of the Standard, let us take a look at the scale of points: Ten points are given for size, whereas there is little or no trouble in keeping birds sufficiently large; only 5 is allotted to condition, and everything depends on it. If a 98-point bird should get out of condition he might not score even 80; he would be cut. For typical carriage and shape; again there are 3 points allowed for shape of back, 4 for shape of tail, 6 for shape of breast, and 4 for wing. A Leghorn may be poor in breast and wing and still be a pretty fine Leghorn, but never will he pass muster if bad in shape of back or tail. The shape of the back and the tail have more to do with the shape of the bird than anything else, and are given less credit in the scale of points. The shape of the breast and wings are much more easily maintained and are of far less importance. If the score card is ever to be of any value it would seem that some change in the scale of points were necessary. Of course, I am no poultry judge and I don't claim any such title, but they cannot fool me very much on the S. C. W. Leghorn. Now, the Whites are not alone subject to a handicap; all solid colors are.

TO BREED LEGHORNS.

A good stock bird is necessarily a well-bred bird—one whose breeding tendency is towards reproduction, a bird with established traits. Domestic breeds are brought to a high state of perfection according to man's requirements, but are not bred according to Nature's laws, and in consequence there is a strong tendency towards reversion. A flock will always degenerate within a very short time unless great pains are taken to maintain it. It will be found that a poor show specimen will almost invariably exert a stronger influence on his offspring than a good one will. It is because the traits of the good bird are not well established—his ancestors were not all alike. It is the same with a bird's laying ability; her tendency is to lay during the natural breeding season, and it is only by selection that hens have been made to lay such a large number of eggs. It is also by selection that fine exhibition qualities are gotten. If you haven't birds that are perfect it is not right to mate birds with like defects. You will intensify the faults; at best you will get a bird with a tendency to all the imperfections of the parent bird, though one may inherit the desired traits. By a judicious system of mating you will get nearer to what you desire and secure birds that will reproduce with great accuracy. I will not attempt to describe a good bird; this is something every breeder must learn for himself if he is to be a success with White Leghorns. A fine Leghorn is a satisfaction—he is worth producing—but don't forget that the breed is popular because of their money-making ability; they are egg producers as well as beauties. Get your breeding pens and eggs for hatching from a breeder who has a reputation at stake, and make a specialty of one or not more than two breeds. Take my advice, based on eighteen years' active experience on large poultry plants; there never was a time when the prospects were so good as right now. Do not put off getting started this year. Engage your eggs for hatching early; buy the best; remember, you cannot buy silk at calico prices; start right with pure-bred stock; with proper management success is sure.

CORNELL UNIVERSITY WINTER COURSE IN POULTRY.

Under the direction of Prof. James E. Rice, who is probably the best exponent of poultry husbandry in the United States, a short winter course is offered at Cornell in the above subject. The popularity of this course is proved by the fact that it has become necessary to limit the number of students. The list for last year shows attendance from all over the country. Where the best is found those who wish to learn will flock to it.

Each student operates an incubator and brooder and gives a complete record of his work and the results obtained. Part of the work is in planning and erecting buildings, colony houses, laying out poultry plants, making egg cases, crates, trap nests, in fact all the practical work which may be necessary in connection with a poultry plant. The work also includes drawing, study of eggs, the anatomy of fowls, caponizing, the study of feeds and fitting fowls for exhibition.

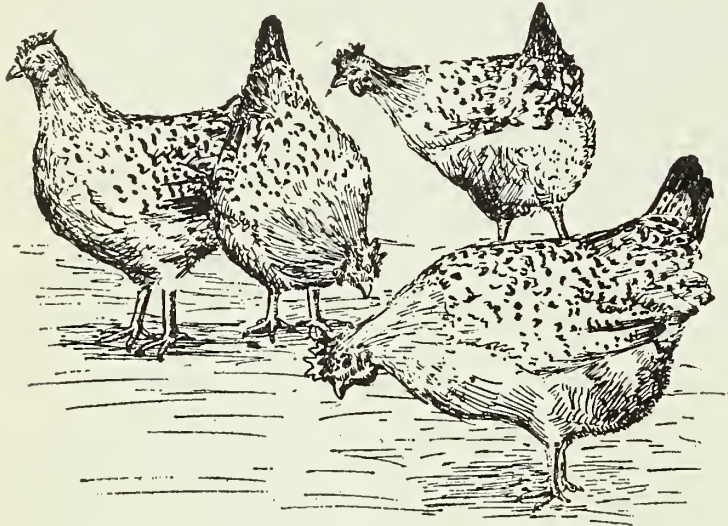
Any poultryman, or one who expects to go in the business, cannot do better than attend such a course. For information about this course address Prof. James E. Rice, Prof. of Poultry Husbandry, Cornell University, Utica, N. Y.

BUTTERCUPS—A NEW BREED.

WRITTEN FOR THE INDUSTRIOUS HEN BY J. S. DUMARENO

THREE hundred eggs a year per hen. That is the record of this remarkable breed. For the production of eggs there is no other breed that touches them. The Leghorns, Hamburgs, Wyandottes, even the Rhode Island Reds "are not in it with them." Buttercups are non-setters, and lay practically all the time, even when moulting. They lay large pure white eggs. This new breed is extremely unique, totally unlike all others.

Some of them have legs of a willow-green color, while others have them of a yellowish color. The comb is their peculiar characteristic. It is neither rose, pea or single,



but is formed like a cup or saucer on top of the head with points resembling a flower, hence the name "Buttercup."

Plumage of the cock is a butterish red, to a red, with black main, tail and wing flight feathers, very much the color of the Rhode Island Red. Weight from 5 to 7½ lbs.

Hens are solid buff or somewhat spangled or laced after the manner of Golden Spangled Hamburgs. Weight

of hens 4½ to 6½ lbs. They lay as well at two and three years of age as they do when pullets, and are good layers until six years old. They mature very early from three to four months, are very small boned, and have a great deal of meat as yellow as gold.

The gentleman from whom I procured my eggs writes of them as follows: "Unlike the crazy, wild, untamable Leghorns 'Buttercups' are exceptionally gentle and friendly. They are active and good foragers, and what is more important they are light feeders. It does not require any more feed to keep in good condition twenty-five 'Buttercups' than it does a dozen Leghorns, and if given free range they require no feeding except during the winter months.

"They are extremely vigorous and hardy. The chickens feather and mature quickly, and are unsurpassed as broilers. Unlike Leghorns and the other egg-producing breeds, they are as plump as a partridge and the meat is of the very highest quality for the table.

"They have exceedingly small bones, and there is more meat on a 'Buttercup' than on any other breed of the same weight. Although of such excellent quality as broilers, on account of their size, they are not recommended as roasters, but for eggs, eggs, eggs, every day and all the time. Without the shadow of a doubt they are the best and most valuable breed on earth."

"Buttercups" were brought from the Island of Sicily by the captain of a vessel, who brought a cargo of oranges, raisins, and figs to this country.

When ready to sail he bought a coop of fowls that he might have fresh meat on the voyage home, but they laid so many eggs he concluded to bring them all home instead of eating them, feeding them as well as he could during the voyage.

I have a pullet hatched May 1st, that layed August 15th, 3 months and 15 days, showing how early they mature.

Observe your hens, feed with care, hatch from the greatest layers, and you will soon have fowls that will lay 300 eggs per year.

I have given up Wyandottes so that there will be no chance for a mixture in breeds, and I am able to give the Buttercups more freedom than formerly.

BOURBON REDS THE IDEAL BIRD

WRITTEN FOR THE INDUSTRIOUS HEN BY MRS. NANCY RAINY GULLIAN

I AM a breeder of "Kentucky's Ideal Bird." So much has been said about their relationship to the Buff. Well, I think it this way; every reader of THE HEN would say he or she is an American; but is there not a trace of foreign blood in our veins; is not a lisp, a brogue, or a soft Italian accent upon our tongues? Who of you in Tennessee would not know a Michigander if you conversed with him, as the South knows him by accent, so does she know him by reputation of by-gone days as well; so with the Bourbon Red Turkey; he is in a measure related to his Cousin Buff, yet what a marked distinction. Buffs are buff color, or should be throughout, and Reds are red or butternut brown. They first came out under the name of "Kentucky Reds Butter Nut" and "Bourbon Reds" in honor of Bourbon County, Ky., a place where no spot on earth's surface can bring forth such thoroughbreds as are produced there in stock or poultry. The Almighty did not place Adam on the most beautiful spot on earth when he put him in the Valley of the Euphrates. This place is the home of the Bourbon Red Turkey which is so extensively bred throughout the country, and is the pride of many farm yards. Yet I do not say they surpass the bronze in anything except beauty of plumage, and being more domestic. It has been my experience that they are not much like a turkey; where you see a flock of Reds it is usually a large one. I breed both and am as much interested in one as the other. My Bronze flock is the best I have seen. They are more easy to breed to color than are the Reds. A Bourbon Red, to be true to color, should be well proportioned and have full round breast, short legs of a pure pink, toenails and beak same, points pure white. Weight a very little less than the bronze. I think breeders can bring them up to the Standard requirements with a little careful breeding.

I do not like the idea of over-rating any breed of fowls for there is as good fish in the sea as was ever caught out, and

I think other people have just as good Reds as mine and some have better. In such cases I try to get a few for breeding purposes. One cannot have too good breeding stock; we have enough culls at the best.

Too much carelessness is presented in the show room by bringing birds out of condition, and poor specimens, and those are the ones usually who do the greatest amount of kicking. I receive letters every week about my turkeys. Sometime I will tell of the different breeds and origin of the ordinary farm-yard fowl.

I would like to meet the readers of THE HEN but cannot, and in this way we must pass our greetings. I was born and bread a farmer's daughter and love much to correspond with poultry people and those who deal in fine horses, that being my husband's leading pursuit. I read the southern papers with as much interest as any high priced New York journal and have ever a kind regard for the noble people of the South-land.

Corn contains 86 per cent fat and heat elements, hence is no egg food. We must not gauge economy by cheapness. Corn may be the cheapest ration as dollars and cents are concerned, in its market value, but it undoubtedly is a dear egg food, for it cannot produce what is wanted, says Dr. G. M. Twitchell. Farmers have the idea that corn will make eggs, and for proof point to the fact that their hens get nothing else, but they forget to note that their stock are allowed perfect freedom, that they gather much in their foraging trips, worms, bugs, grass, wheat, oats, and what not are found on the daily trips of the feathered tribe. So it is not the corn, but the variety of other food the hens collect that make eggs, and the former gets the credit. The cheapest egg food, then, is that which gives us the most eggs; such a quantity of food, too, as will be thoroughly digested and assimilated.

HOW TO INCREASE THE EGG PRODUCTION

WRITTEN FOR THE INDUSTRIOUS HEN BY F. B. CHAPMAN

THE feeling and desire of the general poultryman throughout the world is to produce from his flock each year a greater egg yield. This is a scientific problem, and must be met in a scientific way. If we go about it with improper breeding, with unbalanced feeding or wrong devices we are doomed to failure; but were we to go about our work scientifically, leaving no pebbles unturned for fear they may grow to boulders in our path, we are sure to gain the object sought for. It is not the intention of this article to go over the matter of proper feeding, as this part of the problem has been sufficiently well laid before the poultry world by the authorities at the head of our State Agricultural Colleges. Of the remaining two subjects mentioned I will dwell chiefly with the manner of breeding, as this is the key-note to the increase of egg production. The devices or inventions being, but an assistance to the poultrymen in properly mating for results.

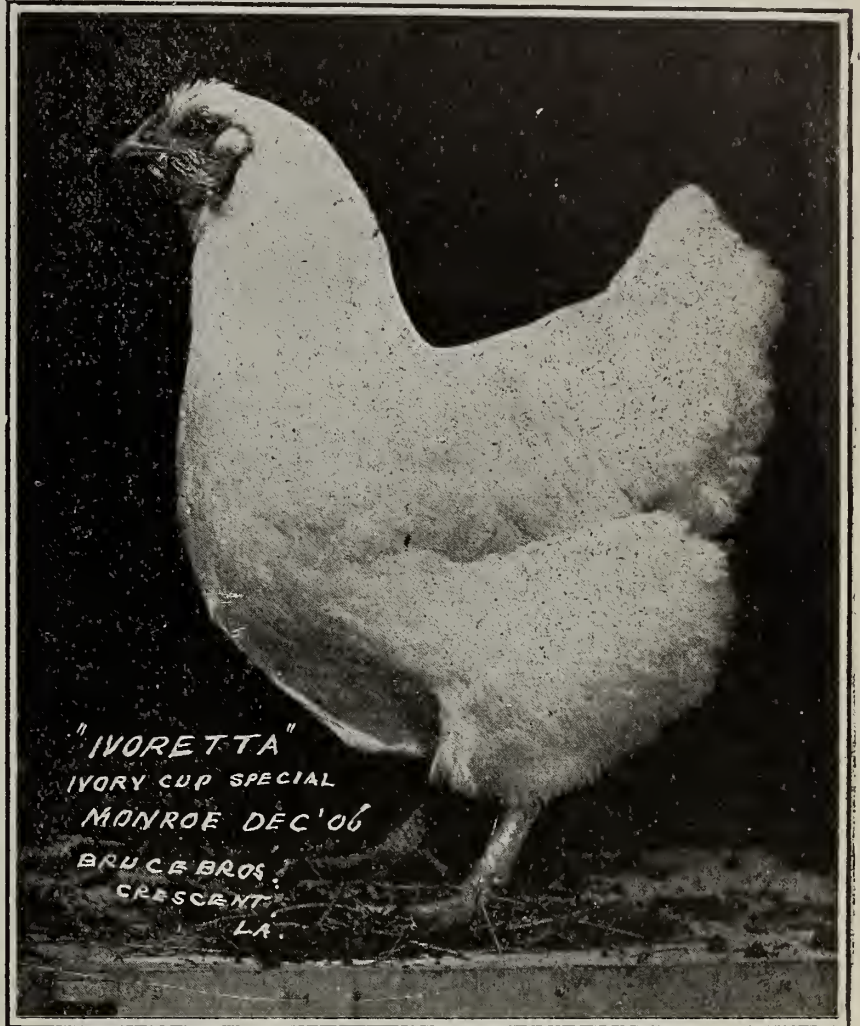
To start upon this subject properly we must begin at the beginning; starting with one or two sittings of eggs as layed by the jungle fowl. With good breeding and proper feeding this bird has been developed into many flocks, not only able to pay their keep, but in many instances have paid large profits to the poultryman. This increase of egg production from the early times up to the present day teaches us what? That we can look to the future for greater results, for we are at a point now where every increase in number of eggs means a clear profit; but these extra eggs must be obtained in a proper and rational way, and not by inbreeding our great egg producers until the constitution of our flock is so weakened that they cannot stand the strain of producing the eggs that the blood in their veins call for.

Today we are nearer the goal than at the beginning, and like all things the nearer it approaches perfection the greater the skill must be, the finer the work must be planned, and the brain is called upon to meet the conditions, and it is always ready.

Through the need of the poultryman for greater egg production there has been placed before them a device or invention that will enable the poultrymen to single out their great egg producers; birds that are exceptionally valuable to them as breeders. This invention is a poultry trap nest. Now if this invention could go on year in and year out mating properly the poultryman's best birds, all he would have to do would be to feed and care for his flock; but the mating question is up to the poultryman and in him and him alone lies the fault if his birds do not increase their egg yield from year to year. When the trap nest has told the poultryman the story of his flock it has done all it can do; and if the poultryman can grasp that story and apply its worth in the right way it will be the sweetest story he ever heard.

I will try and lay before you one of the simplest and safest ways of breeding for an increased egg-production, and where the danger of inbreeding is entirely eliminated. Suppose a poultryman has a long house divided into ten pens, and in each pen he places one cockerel and ten pullets with the blood of each bird different from the other or the relation so far distant that they are practically not related. In placing pullets in the pens first facilitates the explanation, as they are carried over and bred in the same pen the following year. That pullets are never used except in the first year and hens could be used in their place if desired. The second year a likely cockerel, one whose mother has made a good record, is taken from the chicks of the first pen and placed in the second pen. A cockerel in second pen goes at the head of third pen, and so on down the line. A cockerel bred from the tenth pen is placed at the head of the first pen and all is ready for the second year's breeding. During the second year the pullets from the first year's breeding are being tested out to qualify and take the place of their mothers to make up the third year's breeding pens, and as they are always numbered with their pen number they go into the pen their mothers have occupied. The third year a cockerel is taken from first pen as before, but the third year this cockerel is placed one pen further down the line, which will be in the third pen, and each cockerel from each pen keeps in the same relative position ahead of the cockerel from the first pen until, as it will be seen, there will come a time when the cockerel from the first pen will breed to pullets from the first pen, and here is where the reserving the pullets over one year before they are bred makes every thing all right. The reserve pullet, taking its mother's place

in the first pen when first pen cockerel is to be bred to his own pen, have the blood of the other nine cockerels in their veins, and, therefore, has but one tenth of the blood in



common with the cockerel from first pen to be bred to them. It can be seen that this way of breeding can go on indefinitely without too close inbreeding. All that is necessary is to mark each year the pen where the cockerel from first pen is located, so that the following year a cockerel from first pen can be placed one pen ahead, irrespective of what number the pen may be. In concise words the birds are numbered by pen, the pullets go into the pen corresponding to their number, and the cockerels take their relative positions in accordance with the pen to be occupied by the cockerel from the first pen. New blood can be introduced if desired by a poultryman, but where ten or more pens are used it will be unnecessary if the stock is good quality in the beginning. I hope and trust this article will be of some benefit to the poultrymen seeking a larger egg production, and any help I can render my fellow poultrymen along this line will be gladly given.

FEED AND CARE FOR MARKET EGGS.

The problem is very easy to solve. Eggs for market can be had if the birds are properly cared for. There are three principal points which must be attended to for best results.

First: Plenty of grit in the grit hoppers and fresh water in reach of the birds at all times. Never allow the water to stand in the pans, troughs, or what it might be for watering purposes, until it becomes stale and unfit for drinking purposes. Never allow anything of that kind to occur amongst the fowls.

Second: Green stuff of some kind given them three times per day, if there is not any in their runs or yards. Green-cut clover is an exceedingly good feed for egg production.

Third: The scratch mixture composed of three parts wheat, corn and barley or oats. In feeding, just feed enough and not too much; just what they will clean up well. Feed daily, morning, and nights. Let it be impressed on the mind of the owner not under any circumstance should he feed grain that is of a cheap grade, thinking that he can gain, when he is losing all the time.

Biltmore, N. C.

A. YOUNGBLOOD.



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The past season was an unsuccessful one for raising fowls; this winter the high price of feed has caused a great reduction in the number of fowls kept over for this season. In market fowls the result is higher prices, especially for youngsters, while eggs in November touched the highest average price up-to-date. The only exception is in turkeys which are lower this year; but they are a luxury, not a necessity. In thoroughbreds the same shortness of supply is found. The breeder with a good supply on hand is indeed fortunate. To cite a few examples in our personal experience, in October we found it impossible to buy anywhere 1000 hatchable eggs for a Southern breeder, though he was willing to take 250 a week. Again in November we tried in vain to get 800 eggs of some American breed for hatching purposes. A friend who wished to buy some good males and females, told us that out of five letters he wrote each one answered, "sold out." Another subscriber who buys on commission told us he had been unable to fill orders for over one hundred fine birds of different breeds. This state of affairs can be partly remedied if those people who have good birds will only let it be known through advertising in good poultry papers. Now is the best opportunity we have ever known.

* * * *

This is the great poultry show month and any one who fails to visit one will miss a great treat. To the breeder it presents the best of opportunities for exchange of ideas; for making pleasant acquaintances and for showing in competition what he has accomplished in the way of successful breeding. A winning bird is one in a thousand, representing time, study, patience, care and hard work; the fortunate owner may well be proud of it. From a business point of view, a winning is the best advertisement, it embraces the value of the bird, and if properly announced in an ad. in a good poultry paper is a great business getter.

To the beginner a visit to the show is necessary, for nowhere else can he get the proper idea of his favorite breed, in matter of shape, color, etc. To breed properly he must actually see, and if possible handle, good specimens of the kind he wishes to raise. To the general public a poultry show is a great pleasure as well as an educator, for in no other place can as many beautiful fowls be seen of so many different breeds, each selected for its good points, groomed and trained to best showing. They will see birds of such beauty and variety as they never dreamed of. How shows educate was illustrated lately, when a dealer in fine poultry told the writer, that it was no use for him to try to sell culls, as the Knoxville shows had so educated the public that they would have none of them. He had some fine R. I. Reds he could not sell as they had small feathers on the legs, which his customers would not stand for. A visit of an hour to a poultry show will more than pay anyone.

* * * *

The Missouri State Poultry Board in an effort to encourage the production of quality as well as quantity in poultry in that state, will furnish "registered" blue-blooded eggs to the public for hatching purposes after July 1st. By doing this the Board expects not only to encourage the breeding of fine stock, but also to keep out competition, and to retain within the State the large sum of money which now goes annually to the breeders of fancy poultry in other states.

Under the plan of the board a number of breeders of thoroughbreds will be selected from various parts of the State, each of whom makes a specialty of one breed of fowls. These breeders will furnish the pedigrees of their birds and

also a guarantee that the eggs are not only from registered stock, but also are fresh and fit for hatching.

Part of this strikes us as a good plan. It will depend on the rules the Board makes for becoming a "registered" seller, and the rules by which the buyer can recover in case he has not received what he paid for. If the rules are made strict there will not be much doing, because the breeders who can furnish the proper pedigree will be few and far between. The guarantee should be a cash deposit.

As to the second object, keeping out competition, that is one of those matters which in this particular business the State cannot control. It depends on the breeders. The best breeder will get the orders (as he should) no matter where he lives, and if the Missouri breeders want to improve their stock they will go where they get the best. It's not a matter of geography or state pride, but of brains and success. The best way for a state to improve the quality of its poultry is to provide means for teaching its poultrymen *how to breed* the best.—T. L. B.

* * * *

One of the most interesting writers on practical poultry-questions writes under the name of "Bub" in the *Stock-keeper* with Drevenstedt on the same paper. They make a team hard to beat. He gives some interesting information on eggs; we quote from it in this article.

"Many people in the poultry business never give a thought to the care and preservation of eggs. Their one aim is to produce as many as possible, quality not being considered. The longer you study eggs the more you will find out about them. Eggs, like milk, will run no two days alike. The changes may be due to the changes of the weather, food or the physical condition of the hen. Eggs will keep better in cool (not freezing) weather. Warm weather starts what is called a small floater or reddish cloud in the egg. This egg has commenced to spoil. The longer it is kept in a warm temperature the darker this cloud will become, until it will fasten to the side of the shell and become black. At an experiment early in August we tested 500 which had been purchased that day in a couple of village stores. Out of this number there were twenty-one containing chickens and only twenty-seven perfectly fresh and clear, the rest were in various stages of cloudiness. Alas for country fresh eggs; they are truly scarce in summer. In this case a knowledge of the proper handling of eggs would have kept almost everyone of the 500 fresh and clear. Eggs laid in the grass in hot weather may become bad inside of 48 hours. For example an egg is laid in the morning in the grass, where the sun will strike it. It lies there all day, at night the dew falls on it and in the morning when the sun strikes it, it commences to dry up. It dries from the top down to the side that lies on the ground, it draws the yolk to the ground side where it will stick. That part will be jet black; the yolk will be firm, yet set to the shell and discolored.

You can prove the above by actual experiment. When you get eggs that are claimed to be only two or three days old you may get eggs of that

kind, yet how many producers will believe you when you say you got rotten eggs in your last order? Food is very important and has everything to do with the making of the shell and much to do with the flavor of the egg. You will seldom see what is termed a stall fed egg anywhere near perfection in shell and flavor. Of all the different foods no one has ever been able to compound them equal to nature's secret.

In most cases we find written; porous shell, with yolk pale and sickly in color that will evaporate quickly and become stale. Absence of green food is sure to result in eggs with pale yolks. As a food for producing good shells and rich colored yolks in eggs, nothing can touch clover or alfalfa.

The physical condition of the hens affect the eggs.

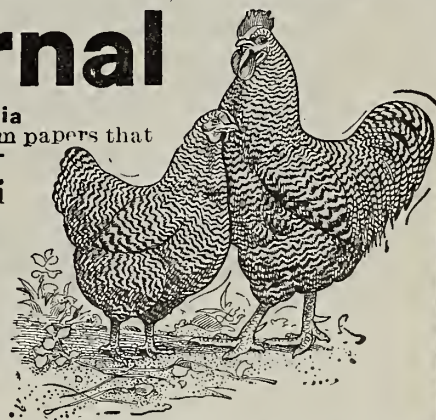
Eggs sometimes have blood spots, large enough to make them unfit for food. The cause is some injury to the hen, usually a strain of some kind. Hens laying too fast will not always be able to make shell fast enough to protect the eggs.

A hen that has been laying regularly and stops for three or four days will then lay an egg not as fresh as when she was laying regularly. You will find on close examination signs of floater, caused by the heat of her body. Such eggs are in the first stages of incubation, and if put immediately in an incubator or under a hen it will hatch before the other eggs because it has already started ahead of them. This has been proven by actual experiment.

Infertile eggs will keep longer and sweeter than fertile ones where the hens are properly fed."

The above are all facts which should be known to every one who handles eggs. If we will provide against them by proper care and attention it will mean much money saved and more money made.—T. L. B.

GOING UP! Notice is hereby given to the 3,000,000 readers of Farm Journal



Philadelphia and to the 3,000,000 readers of this and other farm papers that the subscription rate of this paper is to be advanced on February 1, 1909. Until that date, new and renewal subscriptions will be accepted at the present low rates of

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Now or Never if you want to subscribe at the old rates. Send a dollar bill, and protect yourself for ten years against this increase and any future ones. It is perfectly safe—we'll change your address as often as you please, and get the paper to you if you are on this planet. Ask any subscriber, or your bank, whether or not we carry out our promises. You have often thought of taking the FARM JOURNAL; sooner or later you are sure to need it. One dollar 10 years, 60 cents 5 years, until January 30.

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TURKEY DEPARTMENT

All inquiries should be addressed to MRS. J. C. SHOFNER, Mulberry, Tenn.

To Be Successful With Turkeys Study Their Nature and Habits.

Young turkeys are harder to raise than chicks or ducklings, and, in order to succeed with them, more pains must be taken to study their nature and habits.

The natural tendency of the turkey is to roost where night overtakes it, and in time the wild animals are apt to diminish the flock.

This can be avoided by an inexpensively constructed roosting place, which can be made with woven wire netting, a few posts and a roof of tarred paper, where the birds can be housed at night.

The young birds can be trained to come up regularly at about 4 o'clock to be fed, when they can easily be driven into the roosting place for the night.

An earthen floor can be laid in this pen, but it must be kept clean. The majority of failures are, no doubt, due to lack of proper knowledge, or carelessness.

In many instances, where the young are hatched by hens, the foster mother is cooped and the little ones deprived of their liberty, and fed almost entirely on wheat or grain of some sort, which alone is enough to cause the poults to die.

They must have more of a vegetable diet, and even in this case judgment must be exercised.

Turn the hen loose with the little ones, and let them pick what they most relish, giving them a little meal or wheat to coax them home and also to quicken their growth.

In picking stock from which to start make your calculation that some are wild and some are tame.

The Bronze variety is very desirable for the market on account of its size and the sweet flavor of its meat. But on account of its wild, roving disposition, this variety is hard to raise. The birds nearly always hide their nests, and perhaps will not be seen for a month or two at hatching season.

The White Hollands are more domesticated, and are more apt to make their nests about the barn and outbuildings, same as chickens do. They are also good layers, having a record of as high as ten eggs each at one clutch. They are probably a little harder to raise than the Bourbon Reds, which, by the way, are handsome birds, but do not become quite so tame. All turkeys are peculiar about their nests, and when they once select the location they must not be disturbed.—S. E. Wallace.

Avoiding Turkey Diseases.

Further experiments in connection with the blackhead disease in turkeys at the Rhode Island Experiment Station confirm the idea that the disease in turkeys is not transmitted through the egg, and it does not seem to come from the food.

The most promising results were obtained by keeping the turkeys fenced in

a good sized enclosure away from the chicken yards. Other turkeys which were kept with or near the chickens suffered very much more from the disease than those yarded by themselves, which indicates that even where the chickens are fairly healthy they may serve as a transmitter of a disease which proves fatal to the turkey.

It is found that the turkeys may be raised and matured to marketable condition on limited range, but no statement is made whether turkey raising under such conditions is profitable, and it is probable that further experiments will be needed in that direction. The conclusions are based on flocks of turkeys scattered on farms in various parts of the state. The most important fact seems to be to keep the turkeys away from the infested chicken yards.

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.

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are fine in plumage and great layers.

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Satisfaction guaranteed in every sale.

PIGEONS AND BANTAMS

Edited by E. E. Pryor, Martinsville, Indiana. Inquiries cheerfully answered if postage enclosed. An exchange of experiences invited. Send to above before the 10th of each month for next issue.

Any who desire to start in the Pigeon or Squab business or increase their flocks may feel free to write me and I will be pleased to give them the benefit of my careful investigations as to reliable dealers in and breeders of such stock as is desired.

The Pigeon.

Written for the Industrious Hen.

"Please send information on raising squabs" received in a letter to me induces me to write this article. The location of the house and fly is the first and a very essential element. It is easy to describe the ideal place but sometimes very difficult to find. There are certain environments in the way, either permanent improvements already made or natural obstructions. Get as close the ideal as possible. Locate the pigeon home on dry, well drained land and if sloping it should be to the south or east. Nothing should prevent the sun of the whole day penetrating parts of the building—i. e., shade trees or buildings should not overshadow it. It should be sheltered on the north and west by trees or buildings but in the Southland this is not essential. In short the ground must not be naturally damp and the house must be in the sunlight and fresh air. The house need not be expensive or elaborate. Many an old barn or other outbuildings has made a better home and raised more squabs than if done in mahogany or marble. There are thousands of barns, etc., all over our fair land that could be a great source of income to the owner if but put to work. A chicken house you can spare if good. The number of birds you can keep is generally gauged by the size of their home. For each bird (not pair) a nest is required. When the young (called squabs) are well started and before able to fly, the old ones start a new nest and so on. If your house holds fifty nests you may keep fifty birds, i. e., twenty-five pairs. There must be one male for each female or in fifty working pigeons there must be 25 cocks and 25 hens. They will mate as man and wife and almost invariably remain true to each other until death. Some breeders try to send an equal number of cocks and hens, others send them really mated when you buy. The buyer should only buy guaranteed mated pairs under two years old and they will work 6 to 8 years thereafter. The best birds are the best mated, most prolific raisers of many and large white squabs, and as to which breed fills this most satisfactorily even breeders differ, but I prefer the straight Homer, Carneaux, Dragon, Dutchess and Runt in the order named. The house, if one is built for pigeons, is of good size in 6 ft. x 8 ft. (a small one), 8 ft. x 10 ft. or 10 ft. x 12 ft. or it may be 12 ft. wide and as long as desired but if more than 10 ft. long cut it off at that length by a partition as too many birds together will not do as well as a smaller flock. House, 9 ft. high, front the south, roof sloping to the north with enough pitch to drain well. Door and one large glass window in south so they can, if desired, be closed in winter and open in summer. No windows on north side, unless a summer ventilator is desired, but the north, east and west walls should be left for nests. Good, solid

rat and mice proof walls and floors are necessary. Floor 12 to 18 inches off the ground so that cats or a dog may get under but if you want any pigeons keep cats out of pigeon house. Arrange nesting places around the east, north and west walls, construct the fly and turn the birds in. Space now forbids dealing with nests and fly but will take that up in the next. Glad to tell any by mail who can't wait. The Government publishes for free distribution Farmers Bulletin No. 177 entitled "Squab Raising." Write your congressman to have it sent you or enclose me 2 cents for postage and I will send you one by return mail.—E. E. PRYOR.

The Bantam.

Written for the Industrious Hen.

The sport of cock-crowing in Belgium and the benefits of poultry keeping to the poor are of interest as given in the R. P. J. by Mr. Louis Vander Snickt, of Brussels, he says these Bantams are bred for their eggs in the back yards and small gardens of private houses, of country houses and of castles, for brooding partridges, quail and ornamental water fowl eggs, the little cocks being trained for cock crowing matches around the industrial centers. This sport of cock crowing is becoming general, and may be compared to that of flying Homer pigeons. It awakes more interest than does the cruel sport of cock fighting.


A pigmy cock and a few hens are found in most of the homes of the working people. The children learn to love and feed these little birds. No large birds in confinement or at liberty produce such a quantity of egg material and so large an egg in proportion to its own weight. These eggs, while too small for market, are kept by the mother to feed to the children and frequently to the whole family. The cultivation of flowers, with the breeding and petting of poultry, raises the level of the poor peoples' lives, attaches them to their homes, and prevents that great plague of Belgium at the present time—alcoholism.

The pleasure the little folks derive from a trio or pen of Bantams is amazing. They soon learn to become com-

panions and home has an attraction and interest unknown before. Bantams may be kept in a small space and their egg production will pay their way while their cuteness, beauty and intelligence adds friends.—E. E. PRYOR

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 Lincoln Co., Avery P. O. (via Varner) Ark.

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 Nashville winnings: Jan., 1907, 1st and 3d pullets, 4th cockerel; Dec., 1907, 1st cockerel, 2d cock, 1st hen, 3d pullet; A. P. A. medal on cockerel; State Fair, 908, 2d cock, 3d pullet. No hens shown. Stock for sale. Standard weight. Eggs, \$2. Satisfaction guaranteed.
CHAS. T. MOSS, 4205 Delaware Avenue, Nashville, Tenn.

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WHITE WYANDOTTES
 (From J. C. Fishel's Prize Stock)
 1 Cock, December Hatched, \$5.00
 8 Cockerels, April Hatched, \$3.00
 Send order with cash, quick. These birds are worth three times the amount asked for them. Address
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 You can get eggs and breeders at remarkably low prices now. Mating list tells all about them; write a postal today for it.
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 For Vigor, Beauty and Heavy Laying our Columbians are unsurpassed. Eggs from prize matings at attractive prices.
H. E. CAIN, - - - ASHEVILLE, N. C.

KENNEL DEPARTMENT

Description Doberman Police Dogs.

Written for the *Industrious Hen*.



If it is possible for us to think of a dog the size of a well grown Collie, rather heavy in flesh and short-limbed, having the courage and staying power of a bull—let him be as fierce as they make him—moving around at the rate grey hounds do, as playful and full of tricks as a Terrier and with the nose of a bloodhound, leaving to the latter however his ugly temper when he gets “next to” the one trailed, we have a good and fair mental picture of a Doberman Police Dog.

We want the Police Dog to be active, bright, intelligent looking; he must impress the observer at once with the fact that he has brains and he must show beyond his intelligence “courage twinkling in his eyes.” He must have the grit, the looks, the strength and the will to throw fear into the heart of the one prowling around for “forbidden fruit”; he must be able to hold him, check him and deliver him to his master, as well trained specimens of the breed are requested to do almost daily. It is the general expression of a Doberman which makes his qualities stick out so prominently. Walk with one in the public street and you will have the entire populace rubbing. The Clubman wishes for one, because of his rare and aristocratic bearing; he has all the points of a “Gentleman’s” dog; the sport while viewing him draws a mental picture of him in the pit, the farmer and householder feels inclined to favor him, because he seems to convey the idea of security, and so along the entire list of avocations and conditions of men, until we come to the sheriff and policeman, who cannot serve his community to the top notch of efficiency until assisted by one while doing duty.

The tail is short and if not naturally bobtailed, as is often the case, is cropped, when the pup is about five weeks old. The aim is to breed as much as possible from bobtails, that the matter heretofore expended in growing a long tail, be used to better advantage in more important parts of the body. No doubt there are some of my readers who are not familiar with the laws governing breeding and for their benefit and in part as an excuse for the cropping of tails—by some rather sensitive lads considered a needless cruelty—I cannot refrain from giving here a short repetition of the laws for breeding. If we bred for any certain point or aim to have any certain advantage, we must have this point or advantage strongly in either or both of the parents, the latter preferred. “Like breeds like,” is an old saw that has its drawback only in the natural tendency of breeding back to faults, called by scientists atavism. To go back to our case and as an illustration will say, that if we breed dogs without tails, that is,

if we cut their tails short at an early age and practice this for generations, the breed thus perfected, is of course not able to wag their tail with the same force as if long tailed; the use to which tails were formerly put in driving flies etc. away, cannot any more be executed and as a consequence the flow of blood to the stump is less and less from generation to generation and as a reduced flow of blood causes a dwindling of the parts affected; in the course of time members will be born that are perfectly tailless. Our right arm is the strongest if we are right handed; the wings of the domesticated Mallard ducks are smaller and weaker than those of her still wild sister; hard working people raise as a rule the strongest children; inactivity of any one part or member of our body will in the course of time reduce the size and strength of that member just as continued exercise, either bodily or mentally, will improve the body or brain by the one practicing it. All these are examples of the great law.

The long tail on this dog being a useless appendage, had therefore be best removed. The ears are trimmed from the long overlapping skin, a hinderance only to the entrance of sound. The dog thus perfected, is to us what an iron-clad is when stripped for action, all superfluous rig-marols are removed and only that actually needed for business remains.

The Doberman has a short coat. Police Dogs with a long coat are of a distinct disadvantage. If they must enter the water during the colder season their coat holds it long and often the poor dog has been found a solid mass of ice. Shortcoated dogs have a thicker coat of hair and a stronger fatlayer given them by nature to equalize conditions and really are the hardiest, can stand hot and cold better than long haired specimens.

Then again, a long coated dog affords to the desperate man, whom he is trying to hold, an excellent grip and if perchance the man managed to get a good throat hold, our Mister Dog would have to apply for another job in happier fields. The smoothcoat need not fear such a fate. He is like the eel in the hands of the fisher, close to the one arrested, hindering him to leave and yet virtually out of harms way.

Like as in many other breeds, colors do not make a Doberman. We have them in black and tan, marked the same

as the old English black and tans were marked or as a large number of the little Dachshunds are, and then again, we have them in a dark brown red, generally showing a blackish stripe along the back. Breeders that must have rarity along with utility points, have even produced Dobermans in blue with red or tan marks, but from what I have seen of the latter, I am afraid that foreign blood was liberally infused to get this rare color, and head-points as well as the general build had to pay for it.

The eyes are very dark brown, legs set straight under the body and are rather massive in males. The neck shows often out cropping gray hair, their last claim to the old ancestor, the Russian Wolf, from whom they also have their peculiar pacing lope, when skirmishing for game.

A little white is allowed in a narrow strip on the breast, as this as a rule intensifies the black in the rest of the body.—THEO. F. JAGER.

Attention of dog lovers is called to the ad in this issue of Tanglewold Kennels, Princeton, N. J. Some of the best Airedales we have seen have been shipped from these kennels, and Mr. Baker, the proprietor, can be relied upon to ship what he sells.

KNOX COLLIE KENNELS

AT STUD, FEE \$10.

A. K. C. 92455

Imp. Scottish Alton Monty.

Son of Imp. Champion Alton Monty, and from a direct line of winners on both sides. Monty is a large, rich golden sable, with full white markings. Head, ears, eyes, and legs excellent. A perfect Collie type, quick and intelligent. A grand sire of beautifully marked pups.

AT STUD, FEE \$10.

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SHADRACK.

Son of Alstead Bruce, and a fine specimen of the Champion Winshaw Clinker stock. Shadrack is a large beautifully marked sable and white, heavy coat, elegant head, topped with small well carried ears, and a sure sire. You can make no mistake to breed from either of the above dogs.

Puppies from a fine line of well marked and well bred bitches almost always on hand. Orders will be booked for pups from Biltmore Queen, Parbold Daisy, Caledonia Lena, Beauty Bright, Snow White, Juno and Bright Eyes. Every pup is guaranteed to be as represented and a pedigree is furnished with each one. No better Collie blood in the South than is used in our kennels.

KNOX COLLIE KENNELS,

617 Gay St.

Knoxville, Tenn.

AIREDALE TERRIERS FOR SALE.

The Airedale is the ideal dog for the country, as a companion, watch dog for house or child, or on the farm. Very intelligent. May be trained for almost any use.

Special Offering of bitch pups. These are not culls but healthy farm raised puppies. Sold for no fault but to make room for coming litters. Also a few brood matrons. Puppies by Ch. York Masterpiece—sire of the champions, York Sceptre, York the Hay-eed, Clonmel Floriform and other noted dogs. Others of good breeding.

TANGLE WOLD KENNELS, Princeton, N. J.

BOYS' DEPARTMENT

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

United We Stand.

After reading with great care Mr. A. L. Crowe's writing in the November Boys' Department, would like to express myself upon his subject. With the greatest respect for our Brother member, I wish to go on record as disagreeing with his proposition.

He gives as one of his reasons for the proposed division of members, that it will bring us more members, but he fails to state why it would do so. He also brings up the question of special ribbons, saying that the Northern Boys can't afford to send their birds to southern shows; all of which is exactly correct, but, for this reason, a set of club ribbons is offered at a centrally located northern show for the coming season. This is the New Berlin, N. Y., show, and I trust that most of our northern members will exhibit there. I don't see how the problem of dividing the club can in any way effect the club specials, unless the existing by-laws are changed, but, in order to add a set of ribbons to the present list, I intend putting before the Executive Committee at the spring session, a by-law which will give the 2nd Vice President the power to place a set of ribbons. I think this will be sufficient, for the club is not financially able to give more than four sets of ribbons a season, if their present quality is maintained.

Another hindrance to this division is the fact that many of our members breed both poultry and pigeons. What would you do with them? Make a third division, or charge them dues for both poultry and pigeon divisions? To have two or more divisions, a corps of officers would be necessary for each division, otherwise there might be more officers from one division than from another, thus causing hard feelings.

"A house divided against itself cannot stand," and of course we don't want the bottom to drop out of our club, after getting it so well organized. I think Mr. Crowe's proposition resulted from an over-eagerness for the club, and am sure that after he thinks it over, he will see the question as I see it. I think the other members will do the same.

Election Results.

All over—nobody hurt! Hay, President; Elliott, 1st Vice; Vandervort, 2nd Vice; Fields, Secretary-Treasurer.

The Vice-President's race was in doubt until I received my Saturday's mail on Oct. 31st. Elliott was four votes ahead of Vandervort, and our second Vice beat Beard by only five votes but there is always something doing when Greek meets Greek.

Hay had no opponent, but I doubt if we would have had a different President in 1909 if he had been opposed. Fields and Bunch ran close until the latter half of October. The election was an all-round success; thanks to the keen interest taken by our members. All the new officers are hustlers, and are thoroughly capable to step into the shoes of the retiring officials.

Just Notes.

I want the boys to help make this Department a success; contribute to it as often as possible, and see if we can't make it better in each issue. Send an article now for the January issue.

In order to accommodate our advertisers, we have arranged so as to take "ads" for the catalogue until January 1st. If you have not already done so, send your "ad." at once, no matter how small.

Don't try to undertake too much the first year or so. Start at the bottom and let the business grow gradually. Trying to start on too large a scale, has proven the undoing of many a would-be poultry breeder.

This winter three of the handsome club ribbons will be placed at each of the following shows: New Berlin, N. Y.; Charlotte, N. C.; Nashville, Tenn. These ribbons are indeed handsome, and all our members should make a grand effort to capture one.

In our last issue two of our exhibitors at the recent Nashville show were omitted, as follows: A. L. Crowe, on muffed tumbles won two firsts, one second and one third. J. B. West won several prizes on Guinea pigs, besides third on White Homers and first on blue fantails, showing two grand pairs of birds.

DOG GOT FLEAS?

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.

Dogs Have Worms. Dogs Have Distemper. Dogs Get Out of Condition.

If you have a good dog, keep him in condition and free from worms and distemper by the use of the C. S. R. Remedies. They are the best on the market today.

50 cents Boxes, Postpaid.
G. S. R. CO., 76 Woodlawn Ave., JERSEY CITY, N. J.

THE LARGEST AND BEST DOG MONTHLY IN AMERICA.

Sixty-four pages of reading matter, with handsome duo tone illustrations of all the leading dogs and people of the fancy. Full critical reports of all Dog Shows. Sample copies free.

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AT STUD Chief Wonder A. K. C. 86883. Fee \$15.00. A cobby built, big boned son of Ch. Woodcote Wonder, most famous bull terrier of his day. A few choice puppies sired by Chief ex Pharmacy Queen; she by Fire Chief.
NAVAJO TERRIER KENNELS,
1923 W. 35th Ave., DENVER, COLO.

AIREDALES. AIREDALES.

Registered and pedigreed and farm raised. Stock from the famous Clonmel Monarch breed. Splendid pets, good watch dogs, hunters, trailers, swimmers, retrievers, wild animal fighters. See March "Recreation," also "American Field," July 25th, 1908.
Write, whether you buy or not, to

DR. L. C. TONEY, - Humboldt, Arizona.




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Copy of Monthly Magazine, Hunter-Trapper-Trapper, 128 or more Pages about Steel Traps, Snares, Deadfalls, Trapping Secrets, Raw Furs, Dogs, Ginseng, Big Game Hunting, etc. inc. Catalog describing magazine and books on Trapping, Prospecting, Bee Hunting, Ginseng Growing, etc. FREE.
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THE ONLY WEEKLY IN AMERICA DEVOTED ENTIRELY TO DOGS.
Send for free sample copy, and special trial subscription to readers of *The Industrious Hen*.
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S. C. White Leghorn Cockerels For Sale
(WILBUR STRAIN)
\$1 to \$5 EACH
Dr. S. C. TATUM, Center, Ala.



Paralysis
Locomotor Ataxia Conquered at last by Chase's Special Blood and Nerve, Kidney and Liver Tablets which force new life and strength into the paralyzed parts. A month's trial will convince you. Write for full particulars.—P. 3.
Dr. Chase, 224 N. 10th St., Philadelphia, Pa.

RION'S WHITE WYANDOTTES

Have been bred for years for vitality and heavy egg production, as well as standard requirements. They are

The Greatest Winter Layers

yet produced. We have hundreds of young birds now coming on that are ready for the early Fall and Winter shows, and they will certainly

WIN THE BLUE.

Rion's White Wyandottes have met in competition with some of the finest birds in this country, and have always been victorious. Their great successful show record positively demonstrates the fact that none can surpass them.

STRAIN OF QUALITY.

Write for Catalogue and Prices.

FOUNT H. RION,
1412 "Eastland," - - NASHVILLE, TENN.

EAST TENNESSEE BERRY AND TRUCK GROWERS' ASSOCIATION

Conducted by T. C. Karns, Powell Station, Tennessee, to whom all communications for this Department should be addressed. Questions solicited and answered.

The Editor's Short Stops.

Onions are kept best in a dry loft so arranged that the air can circulate among them. Cold hurts them but little.

Be careful about the commissionhouse that offers higher prices than the regular market. It may be all right and it may not.

Mixing three grades of apples as a price-getter is a back-number. You always get the price of the lowest grade for all three.

Sell none but a good article and put your name and address on the label. Customers will want to know where to order more like it.

The northern buyer wants a sweet potato that is both mealy and yellow meated. Bear this in mind when growing for northern markets.

The Winesap is one of the best market apples for our southern mountain region. It has the advantage of being at home and requires no adaptation.

Study your customers' tastes carefully and furnish vegetables just as they want them. Your greatest success depends upon your satisfying them in every particular.

A complete fertilizer is not always needed and it may often be a loss to use it. If your land already has sufficient potash and phosphorus, nitrogen is all you need to buy.

If you want good seed buy from dealers who regard their reputation. If farmers and gardeners will adopt this rule generally there will soon be less complaint about bad seeds.

Pack your winter apples in packages to suit your market. Put in none but first grade fruit and have uniform size and quality throughout. Perfect fairness brings trade, success, and fortune.

Sometimes a new market may be developed but the safer way is to cater to demands already existing. A new demand should be worked up very gradually, if at all. No great risk should be taken.

Save everything on the farm that is worth saving. Refuse apples will do to feed to hogs. Many of them will make cider and a good quantity of vinegar. This is much better than to leave them to rot.

The Ozark region of Arkansas is very similar to East Tennessee and apple trees out there each bring \$20 worth of apples. East Tennessee orchards ought to do the same. Think what that would be to the acre!

Growers are sometimes in doubt whether to ship apples in packages or in bulk. Packing adds greatly to the cost but sometimes number ones pay best in barrels or boxes. Circumstances and the season must decide.

There ought to be an active fruit and truck growers' association at every railway station in our section of country. All that is needed is for some energetic grower to make the start. Most people

are like sheep. They follow a leader.

Every grower should keep posted on prices. It is said that no man is so hard to trade with as he who does not know the market, and it is more unfortunate for him than for the other fellow for it bars him off from business and profits.

Texas is a good onion state but growers have not been uniformly successful in marketing the crop this year. The early crop went off well but later shipments found the northern markets congested with an oversupply and loss was the result.

It is not always best to grow things large. Muskmelons should be only large enough to serve in halves. Sweet potatoes should also be grown only moderately large. Very large ones are a waste, especially when served in public eating places.

The market gardener must always meet his engagements. If your dealer expects you on a certain day you must be there. No weather or other conditions can be allowed to prevent. This is business. It begets confidence and gives success.

As soon as all fruit is out clean up the orchard and burn all dead limbs and other trash, including remnants of rotted fruit. If the orchard is old, cut out all dead and dying limbs. Thin the slow-growing twigs and give the new sprouts a chance to thrive. Scrape off old bark and freshen up the trees in general.

Growing Rose-Cuttings.

Professor W. F. Massey writing in *Market Grower's Journal* thinks that growing rose-cuttings in the south for northern trade would be a paying business. He recommends the clay lands of the interior rather than the sandy plains of the coast. He says the Tea rose is the best to propagate. It should be sold after rooting one year. One firm now in the business reports a sale of thirty acres of field-grown roses every fall with no difficulty. It is claimed that several hundred firms in the north would each take from 5000 to 7000 every year.

"Taking Stock."

Rush work is now over and the truck and fruit grower has more time for study and reflection. It is a good time to "take stock" as the merchants say and see where we stand. How much has the year's business cost us and how much have we to show for it?

It is a good time to study improved methods of production. Isn't there a way to make some crops at less cost? Can it be done by the use of more machinery or by arranging for economy in labor? Can we lop off some unessential expense? Is it possible to get along with fertilizer made at home? Can our market methods be improved? Look around you and see what your neighbors have done in all these matters. Consider well and hold fast only to that which is good policy.

Winter Work For Garden & Orchard.

This depends upon latitude. As far north as Tennessee there is not much to do in the open field in winter, if the season was properly prepared for beforehand. Attention should be given to marketing such part of the crop as may have been stored for higher prices, or turned into manufactured products to be sold at leisure. Most of such sales are presumed to occur in the local market. Sweet potatoes kept to spring will bring much better prices. To a less degree the same may be said of Irish potatoes, apples, turnips, etc.

Truckers living far south will of course have more work, as many of their open crops will be well advanced or selling before our winter breaks. Truckers in higher latitudes near cities experience a growing demand for greenhouse products. Lettuce and other greens sell freely all winter and may be grown in any quantity under glass. Cabbage plants may be sown under glass and made ready for the earliest break of spring. In very mild latitude they grow all winter.

Orchards should be cleaned up thoroughly during the late fall and winter. Burn all trash that may harbor insect pests and fungi. Wash trees with soap and kerosene emulsion to destroy eggs of insects, etc. Take out all dead branches. Dig up dead trees by the root and disinfect the cavity with lime or ashes.

Many prefer that the orchard should have clean culture to allow full absorption of winter rains but some cover crop like rye may be necessary to prevent washing. Cultivation also exposes insects and their eggs to destruction by cold freezing weather. In some points of winter culture practice differs.

Look Out For Borers.

Before your peach trees go into winter they should be examined for borers. This work should have been done a month or two ago. Clear away the dirt next to the tree and dig out or kill every borer with a small knife-blade or a wire. There is no better way. Coal tar may be used as a preventive, for the mother moth does not like to lay eggs where she smells the tar. Coal tar does not injure peach trees, but is a poison to apple and pear trees.

Good Prospects For Berries.

JUDSONIA, ARK., Nov. 16.—The prospects for a berry crop next year are very bright. The growers are making their crates preparatory for next year's business. They have already gotten in, or have in transit, enough boxes to load 130 cars, but the officers of the association think, from the amount of acreage, they will load at least 140 cars if they have a fairly good season.

Second Crop of Potatoes.

JUDSONIA, ARK., Nov. 17.—The farmers of this vicinity are digging their second crop of Irish potatoes. Probably 2,000 bushels have been dug, or will have been in the next few days. Pete Miller, living a few miles north of Judsonia, has just finished digging 500 bushels off six acres of land, which will easily bring him \$500. Mr. Miller realized \$325 off the first crop of potatoes from the same six acres, making \$825, or over \$135 an acre. The second crop was the better of the two, 32 of the potatoes filling a half bushel measure, and weighing 30 pounds.

HONEY BEE DEPARTMENT

Conducted by T. C. Karns, Powell Station, Tennessee, to whom all communications for this Department should be addressed. Questions solicited and answered.

Special Notice.

How many farmers and others who read THE INDUSTRIOUS HEN are interested in beekeeping? We should like to know. Will you not kindly mail to THE INDUSTRIOUS HEN, Knoxville, Tennessee, your own name and address and the names and addresses of all persons you know who keep any bees at all? We shall take it as a special favor if you will do so. We may be able to help them and you too. Please write the word "special" after the names of those who make a particular business of beekeeping.

We shall be glad to receive even a postal card, if there is time for no more. Yet, if possible, we shall be pleased to have you give still other particulars. How many colonies of bees have you? Do you sell honey and how much? Is it in sections or in chunks? Do you produce any extracted or "strained" honey for sale? Do you keep bees in modern frame hives or in "gums" and box hives? If anybody should open a supply house in Knoxville for bee materials, would you be likely to patronize it? Would you feel inclined to sell it your honey, if prices suited? We ought to have such a house in order to save freights to and from northern cities. Won't you help along this cause by writing us at once and giving us all the information and help you can? If there are some questions that you don't care to answer, simply leave those out and answer the rest.

Bee Notes.

White clover is spreading rapidly around Knoxville. What an opportunity for farmers to keep bees!

East Tennessee is fairly good beekeeping territory, but the business lacks attention. We need a lot more business and scientific beekeepers.

It is generally better to market your honey promptly. In season the demand is greater and if you sell then you incur no risk of loss in storage.

We found this a good honey year, but the bees plastered the hives with an abundance of glue. We don't think we ever before saw so much of it.

There is good evidence that a swarm of bees may travel 46 to 50 miles. Two swarms are reported to have crossed Lake Erie at those distances respectively.

Beekeepers differ in opinion as to the desirability of shade over the hives. This difference may be explained by supposing that it makes but little difference one way or the other.

First-class beekeepers bewail the swarming tendency and Dr. C. C. Miller, of Marengo, Illinois, has almost eliminated it by special selection. Carried through several generations special selection will do almost anything.

We have two hives this winter with oil-cloth on top of the frames and fitting out so closely to the edge of the

hive that the bees could not seal the cover. Some prefer this plan but we are better impressed with the sealed cover.

Our bees did fine work on golden rod and astors late in the fall. We let them keep all they got and we think most of them have enough to carry them through the winter. This last flow should be theirs by inalienable right.

The colony that gave us most honey in the super this year had smallest winter stores in the broodchamber. It seemed like "robbing" sure enough to take it away from them, and at the call of conscience and interest we are going to give some of it back.

Dr. C. C. Miller, of Marengo, Ill., took from his bees this year 19,480 sections of honey. At Knoxville prices (20 cents each) this would bring \$3,896. Why couldn't some East Tennessee beekeeper do the same? Nearly \$4,000 a year is a big inducement.

It is interesting to know that Langstroth's great work, "The Hive and the Honey Bee" has been brought out in French by Mr. Dadant, its regular reviser. The French edition is entitled "L'abeille et la Ruche" and is published by Burkhardt at Geneva, Switzerland.

Handling Bees.

Fearlessness and painstaking gentleness are requisites in the successful handling of bees. By thoroughly frightening the bees with smoke in the hive and then shaking them off the frames into a dishpan where they are

tumbled together in confusion, an expert may gently scoop them up in his hands before an audience and pour them on his bare arms and head without harm. Better not try it, however, unless you are an expert.

Winter Stores.

Northern beekeepers do not feel safe with less than 25 to 30 pounds of honey to the colony for winter stores. As our cold season is shorter, we may do with a little less. It is also said that a mild climate takes less sustenance if the bees do not fly out too much. In the latter case more is required. What Tennessee beekeeper can give us the exact facts from experience?

A Winter Precaution.

The beehive should face the south to prevent the entrance of north winds and cold. Yet in very warm winter days the sun may so heat up the front of the hive as to call the bees out into the open air when the temperature is really too low. In this way many bees are sometimes lost. A wide board placed in front of the hive will help to ward off undue heat and make the situation less tempting to flight.

School For Beekeepers.

It is very gratifying to see so many state colleges of agriculture providing for instruction in apiculture. This work, we believe, generally falls to the entomologist of the experiment station.

In its winter session for general farmers, our state university at Knoxville gives a two-weeks course in beekeeping. This course extends from March 1 to March 13, 1908. There is no charge for tuition. The instruction consists of lectures and practical demonstrations. Much is to be learned about bee appliances. Every East Tennessee beekeeper should try to be present. Write to the university for particulars.

LANSDEN'S R. I. REDS AGAIN VICTORIOUS

Tennessee State Fair pronounced by such Judges as Pierce and Drenstedt to be the strongest collection of Reds ever handled by them, competing against the largest and most noted breeders, East, North and South. We win 1st, 2nd and 3rd pullets, 2nd cock, 2nd cockerel, 2nd hen. Fifty dollar challenge cup for best pen in show, any variety; cup for 10 best pullets; \$25 in gold, special, for best pen. We have sold more prize winners for county fairs and shows than any other breeder. We have the type and color to back. + + + + +

H. B. LANSDEN & SON, Manchester, Tenn.

The Famous Barred Plymouth Rocks

Made Famous by Winnings at the Leading Shows and the Laying Habit which has been fixed by them by use of Trap Nests.

WINNINGS AT SEVEN OF THE LARGEST SHOWS IN THE SOUTH.

Nashville, Tenn., 3rd pen, 3rd ckl., 3rd pullet, 2nd cock.
Memphis, Tenn., 1st and 2nd pen; 1st and 2nd cock; 1st and 2d hen; 1st and 2d ckl.; 1st, 2d, 3d plit; 2 specials.
Birmingham, Ala., 1st and 2nd pen; 2nd and 3rd cock; 1st and 2nd ckl.; 1st hen; 1st, 2nd, 3rd pullet; 2 specials.
Minden, La., 1st pen; 1st and 2nd ckl.; 1st and 2nd pul.

Jackson, Miss., 1st and 2nd pen; 1st and 2nd cock; 1st, 3rd and 4th hen; 3rd pul.; 2nd and 3rd ckl.; 2 specials.
Monroe, La., 1st pen; 1st and 3rd cock; 2nd hen; 1st, 2nd and third pullet; 2 specials.
Mobile, Ala., 1st and 2nd pen; 2nd and 3rd hen; 1st, 2nd, 3rd ckl.; 1st, 2nd, 3rd and 4th pullet.

21 1st; 21 2nd; 14 3rd and 1 4th

**STOCK AND EGGS FOR SALE; Write for Mating List.
C. H. DOZIER, Marion, Ala.**

Students Judging Contests at The National Corn Exposition.

Unusual generosity to the students of the agricultural colleges is being shown by the National Corn Exposition. Trophies to the amount of \$2,500 have already been provided. Announcements were passed on to the agricultural college professors early this fall and word has been received from the most of them that student teams representing their college will compete at Omaha from December 9 to 19.

Calendar For December.

For the next two or three weeks there will be considerable call for poultry of all kinds. But it is not advisable to ship stock to market the week before Christmas, as there is apt to be a glut at that time. In fact, it is best to market all possible the first two weeks of December, and then make no more shipments until at least a week after the New Year holiday.

This, of course, does not apply to special orders.

Roasting fowls weighing from five to six pounds each now bring a good price.

It is best to hold the capons until after the holidays.

Keep the scratching sheds or the floors of the poultry houses well bedded, as the fowls need exercise to warm up their bodies these cold, frosty mornings.

Give an extra allowance of grain at night, scattering it amongst the litter, so that the fowls can be induced to exercise before they get their regular breakfast.

There is no better winter breakfast for the stock than equal parts, by weight, of bran, middlings, ground oats, cornmeal and meat scraps, to which add its bulk in cooked cut clover hay, and five per cent. of linseed-meal. Mix the ground grain with the tea made by cooking the clover.

At noon give some cut-up vegetables, and twice a week give some cut green bone.

The grain food at night should be an equal part each of wheat and corn (cracked corn is preferred).

The early-hatched pullets should have settled in for steady laying.

Close up the yearly accounts by the end of this month, and then start in for better poultry and more of it.—*Farm Journal*.

WILL YOU SEND ME \$2.00 FOR A BARRED ROCK Cockerel, knowing your money will be returned if he is not satisfactory? Exhibition birds \$5.00 up. Breeders Hens and Pullets \$2.00 and \$3.00. **MONEY BACK PLAN.**
Geo. C. Hathaway, Barred Plymouth Rocks, Sheldon, Ill.


CAPON TOOLS



CAPONS bring the largest profits—100 per cent more than other poultry. Caponizing is easy and soon learned. Progressive poultrymen use

PILLING CAPONIZING SETS
Postpaid \$2.50 per set with free instructions. The convenient, durable, ready-for-use kind. Best material. We also make Poultry Marker 25c. Gape Worm Extractor 25c. French Killing Knife 50c. Capon Book Free.
G. P. Pilling & Son Philadelphia, Pa.

Greatest Incubator Invention in 20 Yrs.



The only Hygrometer that registers accurately in incubator temperature of 102 to 105 degrees. "Dead in the Shell," "stuck to the shell," etc., are the result of improper heat and "guesswork" in moisture. When our hygrometer is used and our directions followed these disagreeable features are almost entirely eliminated, the shell is properly rotted, and the chicks pop out as clean as anyone could desire. Incubator operators who have been content with 60 to 70 percent hatches are now securing, by the aid of our hygrometer, 90 to 100 percent hatches, and the chicks are stronger, livelier and more satisfactory in every way. Our new booklet, "Incubator Hygrometry," tells all about this wonderful instrument and will be sent, free, together with 1909 Incubator Catalog if you mention this paper.
GEO. H. LEE CO., 1136 Harney St., Omaha, Neb.

POULTRY MONTHLY FOR DECEMBER ANNUAL CHRISTMAS NUMBER

Is crowded with valuable and instructive information, and unquestionably the finest specimen of a poultry journal ever published.

SPECIAL ARTICLES

Domesticating Wild Turkeys, Robert Lee Blanton.
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Blue Swedish Ducks, Theo. F. Jager.
The Houdan, Dr. G. W. Taylor.

A Stray Bit of Luck (serial), James R. Gillette.
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SPECIAL OFFER: Send us fifty cents and mention this paper and we will enter your subscription to Poultry Journal (two full years) from Dec., 1908, to Dec., 1910, inclusive

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THE NEW BREED—

Buttercups

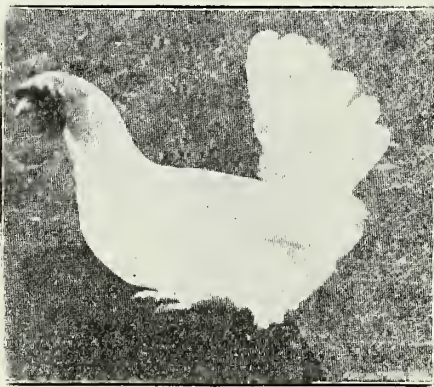
RECORD—300 EGGS PER YEAR

CIRCULARS AND PRICES SENT WITH PLEASURE

J. S. DUMARESQ

(CATO'S HALL)

EASTON, MD.



One of My Prize Winning White Leghorns

SPRING HILL LEGHORNS

I have a nice lot of young and old stock for sale. Well-bred, vigorous, the right size, true Leghorn shape, and pure white. Bred from prize winners—they will win for you. Prices according to quality, but always reasonable. I also have a few

GOOD ROSE COMB R. I. REDS.

Write for Circular and Prices.

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Secretary Washington County Poultry Assn.



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.

POULTRY THE BEST
ONE FULL BALE
 150 Feet Long for 75c.
 Best Galvanized After Weaving.
 WRITE FOR CIRCULARS.
NETTING 2 IN MESH
 DOW WIRE & IRON WORKS, Louisville, Ky.

Hatch Chickens By Steam

Stahl's "Excelsior" and "Wooden Hen" Incubators are famous for their hatching records. Perfectly designed, well constructed, satisfactory in every detail—require but little attention. 50 to 600 eggs. Catalogue free on request.



GEO. H. STAHL, BOX 4E-B QUINCY, ILL.

ROSE C. BLACK MINORCAS.
COLUMBIAN WYANDOTTES.

Trap nest pedigree layers and exhibition birds for sale. Superb in quality. Are unequalled as egg producers.

S. T. CAMPBELL, Mansfield, O.

Rhode Island Reds

Lebanon, 1908, won 2d cock, 2d pullet, 2d pen.
 Tullahoma Fair, 1908, 2d cockerel, 1st hen, 3d pullet, 2d pen.

WHITE AND BARRED ROCKS
 EGGS AND STOCK FOR SALE

J. O. NORTON

East Station, NASHVILLE, TENN.

FISHEL WHITE ROCKS At HALF PRICE

Knapp Bros'. White Leghorns Dirt Cheap

S. C. Rhode Island Reds

AS RED AS THEY GROW

Grand pen of two-year-old White Rocks, direct from Fishel, cost \$57; first draft for \$28.50 gets them; grand, large, snow-white birds. A pen of yearlings, bred from above \$16. White Leghorns \$1 each while they last. Pen of Reds, headed by an Eastern winner, \$25; splendid early hatched youngsters \$3 per trio. First money gets pick; must sell.

C. W. BUTTLES

59th and Jackson Ave., Kansas City, Mo.



John F. Childress Compliments the Augusta, Ga., Show.

Written for the Industrious Hen.

I feel the management of the Augusta, Ga., show should be complimented on the way they managed their show. I have exhibited in many of our best shows but must say, I have never exhibited in a show that was so prompt with their settlements of premiums, and return of birds. They advertised as all shows do, that they would pay premiums promptly and return birds just as soon as show closed, etc. etc.; but am sorry to say most managers are very careless after they get your birds entered. The Augusta Show mailed me the money and ribbons I won there two days before the show was over; and my birds were cooped and returned to me in fine shape in twelve hours after the close of the show. Some shows are very slow about sending the ribbons and money won, and worst of all, they take their own cool time in returning your birds. These birds some times are without feed and water for several days. I have noticed in some shows "the feed and water man" begins to get careless on the last days of the show; then these birds are possibly kept there a day after the show without feed and water; and are often cooped by some hired man who is just as likely to put two male birds in the same coop as not. Naturally they fight like lions all the way home, which often ruins them for future show birds. These things are not visionary. I have had these experiences and know. Just last season I exhibited at Birmingham, winning practically all prizes offered on White Leghorns and up to today I have never received a penny from the show. I was out my express charges and entry fee, and as the song goes "All I Got Was Sympathy."

Our fanciers should have better treatment than is given in the majority of our shows, and an effort should be made by all associations to carry out their rules as near as possible, then it would be a pleasure to prepare your birds and exhibit them. Yours respectfully—JNO. F. CHILDRESS.

S. C. WHITE LEGHORNS

Choice Stock for Sale
 Eggs \$2.00 per 15

JOHN C. CRAWFORD, MARYVILLE, TENN.



2000 Early Hen Hatched Reds.
 1000 Yearlings for Sale at Hard Time Prices.

De Graff's Book on Reds is the Finest Poultry Book Ever Published.

CIRCULAR FREE.

De GRAFF POULTRY FARM, Amsterdam, N. Y.

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Cut Prices on Eggs. 100 choice breeders for sale. Free catalogue. Set eggs in June and July and hatch winners.

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BLACK LANGSHANS

Cockerels and Pullets

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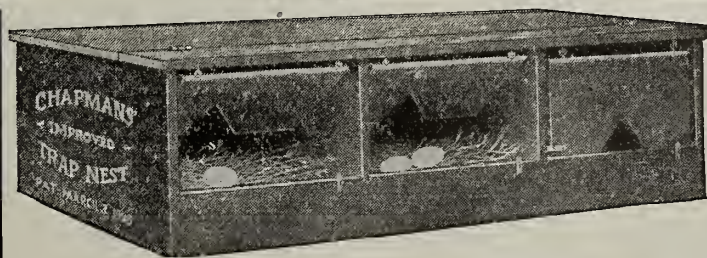
MY PRIZE WINNERS

And good enough to go in any show.

\$2.50 to \$10 Each, \$5 to \$15 per Pair

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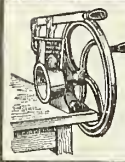
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Improved Trap Nest

Is a revelation in trap nests. Wonderfully simplified

and positive in its workings. Will absolutely break the hens of the habit of eating eggs. Takes up no more room than a regular nest. It is a convertible nest. Will save its cost on any poultry plant by picking out the non-layers in the fall for market. Made in three-fourths inch white pine lumber, planed on either side, and nicely painted. It is guaranteed to work or money refunded. Made in three and six nest sizes, \$3.00 and \$6.00 respectively. Send for catalogue.

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Crown Bone Cutter

FEED your hens cut green bone and get more eggs. With a **Crown Bone Cutter** you can cut up all scrap bones easily and quickly, and without any trouble, and have cut bone fresh every day for your poultry. Send at once for free catalogue.

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Best Made - Lowest in Price

BLUE RIBBON BUFF LEGHORNS

THEY WIN. THEY LAY. THEY PAY.

Cockerels from \$2.00 up.

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

WHITE WYANDOTTES & BLACK ORPINGTONS

My birds have always won at the big shows in the very hottest of competition. At the Tennessee State Fair, Sept. 21 to 27, '08, I had 11 entries, winning 4 firsts, 3 seconds and 2 thirds and special. At the Tri-State Fair at Memphis, Tenn., Sept. 28, '08, 6 firsts, 2 seconds, 3 thirds and 2 specials out of 13 entries. **DROP A POSTAL FOR CATALOGUE.** Address

E. B. IRVAN, P. O. Box 101, HARDIN, KY.

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.

HOLSTON STRAIN

SINGLE COMB WHITE LEGHORNS

are the greatest egg producers known, one hen having laid by actual record 286 eggs in one year. One pen of 13 hens laid 2479 eggs from Jan. 4 to Sept. 30.

Eggs \$2.00, \$3.00 and \$5.00 per 15. **SATISFACTION OR MONEY BACK.**

NOLA CHUCKY POULTRY FARM, R. 7, Morristown, Tenn.

WALKER'S

BARRED ROCKS & 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

STOCK AND EGGS FOR SALE.

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CARTER

Wins Nine Silver Cups.
309 Regular and Specials.

\$225.00 IN CASH

At World's Fair, St. Louis, Mo., Atlanta, Ga., Charlotte, N. C., Huntsville, Ala., Charleston, S. C., Raleigh, N. C., Macon, Ga., Warsaw, Ky., Nashville, Tenn., Cincinnati, O., Knoxville, Tenn., Allentown, Pa., Cleveland, O., Asheville, N. C.

SINGLE COMB BROWN LEGHORNS.

E. E. CARTER, - Knoxville, Tenn.

CIRCULARS FREE.

Of What Use Are Trap Nests?

Trap nests are guides to success. They tell which of the hens are drones and which are workers. They arrest the egg eaters, capturing them in the very act.

They point out our best winter layers, as well as those who have laid the largest number of eggs throughout the year.

They also tell us which hens lay the brownest eggs, and just what shape and size their product is.

The frequent handling occasioned by the use of traps, makes the hens very tame, which in itself is a help to increased egg production.

Another great point is that hens can not crowd on the nest, as only one at a time is admitted, and this prevents breakage of eggs—the fruitful cause of acquiring the egg-eating habit.

FARM

"Hurry to Colorado and buy where 80 acres yield \$1000 clear profit yearly. Irrigation not needed. Railroads and markets near, rich soil, healthful climate make life happy. \$8.50

per acre up. Brand new illustrated booklet "The New Colorado" tells the secret. Write Dept. 37 NOW. We send it—**THE FARMERS LAND AND LOAN CO.**
145 La Salle St., Chicago, Ill.

FREE

It has been argued that trap nests consume too much time to make them profitable, especially on a farm where there is so much work to do. If a regular system is adopted, fifty traps can be attended to in from five to ten minutes, according to the convenience of location. If a trip is made five or six times a day, say in the morning, when opening the house, then four trips between the hours of nine in the morning and three in the afternoon, and then again when closing the house at night, there will in all be consumed not much more than a half hour each day. Could a half hour be more profitably spent? If trap nests will tell us which are our best layers, we not only get as many eggs from a less number of fowls, but we also cut down our feed bills. Surely that is good pay for that half hour of labor.

There is no guess work about trap nests, and no other method equals it.—*Farm Journal.*

INDUSTRIOUS HOUDANS

THE BIRDS THAT HOLD THEIR OWN

With any birds in any climate, both as show birds and winter layers. Excellent cockerels from \$3 to \$10 each. Trios, of a cockerel and two hens, \$7. Write me your wants

A. A. CHIVERTON, LIVERMORE, KY.

Life member of the A. P. A.

Box 62

EGGS FOR SALE FROM S. C. 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,

Morgantown, N. C.

Chickens and Eggs for Sale

We have the Black Minorca, Plymouth Rocks, Rhode Island Reds and White Leghorns. Also

**MAMMOTH TURKEYS, PEKIN DUCKS
AND BERKSHIRE PIGS**

We Make a Specialty of Mail Orders.

**FORT LEWIS STOCK, POULTRY AND DAIRY FARM,
SALFM, VA.**

White Hill Poultry Farm

has her feet on top round and only keeps the Blue Ribbon Strain S. C. White Leghorns and White Fantail Pigeons. Our Leghorns are bred to lay and they always win the blue. Pullets lay at 4½ months and score 96½ points. Twenty-five yearling hens, good ones, at \$1.50 each. Pullets by the hundred cheap, and the prettiest Fantail Pigeons you ever saw, at the lowest price—white as snow.

A. J. LAWSON, Proprietor.

(Member Nat'l S. C. W. Leg. Club.)

R. No. 4, Box 2. Cleveland, Tenn.

Bristol Poultry Association.

There'll be something doing in the poultry line at Bristol, Va-Tenn., in the week of Dec. 16th when the fourth annual poultry show comes off. Judge J. H. Drevensedt alone will be a drawing card but that's not all those hustling Bristolites are offering for this year's show. They'll have the best of cooping and feeding arrangements, a fine hall, a good audience, a large entry list from all indications and a big increase in prizes. Secretary W. H. Cochrane is on his job all the time and the rapid strides of this show, prove that he is the right man in the right place. Last year the number of birds jumped up to nearly 800 while the most marked improvement was in the way the public patronized the show. This year they will probably have twelve cups for specials as well as cash. They will have the state cups of the Buff Orpington Club, the Buff Wyandotte Club and chances are good for that of the White Leghorn Club. In addition there are a number of cups offered by the association and private individuals.

There has been a big revival in the poultry business in Virginia, and at Bristol, Va-Tenn., and Kentucky meet to fight it out for supremacy. Bristol is an ideal situation for a show town and with Griffin in charge of the hall and birds and Cochrane and Adams at the helm, things will go with a rush in first class style. For premium list ad-

THE FAVORITE BAND
Adjustable. Prices post paid, 12 for 15c., 25 for 20c, 50 for 35c, 100 for 60c.
CHAS. L. STILES, Columbus, O.

A PLEASED CUSTOMER Writing from Birmingham, Ala., Nov. 14th, said: "I beg to acknowledge receipt of the 12 hens, and wish to express my compliments to you for the pretty selection you made. Have you another dozen to spare?" No, but we have a few select cockerels and some young pullets, all pure-bred S. C. W. Leghorns, same kind of beauties, at a bargain, to sell quick. Orders for eggs booked this month only \$1.50 for 15, our best.
PIERCE POULTRY CO., ROGERSVILLE, TENN.

S. C. BUFF ORPINGTONS
Blue Blooded, Well Bred, Well Raised Winners.
My birds are good to eat, good to lay, good to show. Won at Knoxville, Dec. '06, 1 ck1; 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. G. COCHRAN -- KNOXVILLE, TENN.

S. C. Black Minorcas Exclusively
Winners of 29 prizes and 2 silver cups at Spokane, Tacoma, Seattle and Wenatchee. Every bird up in weight. Choice exhibition and breeding birds at rock bottom prices. Eggs from first prize winners \$3 per 15. Satisfaction guaranteed. Write for winnings and special mating list.
G. E. BUTTLES, 536 Cascade St., WENATCHEE, WASH.

TERRELL'S S. C. Rhode Island Reds
WINNERS SINCE 1905
Houston, Tex.; Marshall, Tex.; Charleston, S. C.; Augusta, and Atlanta, Ga.; Nashville, Tenn.; Aberdeen, Miss.; Montgomery, Mobile, and Birmingham, Ala.
IN THE HANDS OF MY CUSTOMERS:—
Nashville, Tenn.; Dallas, and Fort Worth, Tex.; Augusta and Atlanta, Ga.; Greensboro, N. C., and other shows.
EGGS:—
Prize Mating \$5.00. Special Mating \$3.00. After May 1st, half price.
Utility, Fancy Breeders and Prize Winners for sale. Circular free. Write me your wants.
L. K. TERRELL, 304 Tuscaloosa Ave., BIRMINGHAM, ALA.

THE RED APPLE REAL ESTATE CO.
WENATCHEE, WASH.

Will place you on the
Richest Irrigated Fruit Lands

That will pay the largest profits per capital invested of any land on earth.

At the Lewis and Clark, and Portland Expositions, 1905, fruit from the Wenatchee Valley received 35 of the 85 gold medals awarded, besides 68 bronze and 20 silver medals.

At the Interstate Fair, Spokane, Wash., October, 1908, Wenatchee Valley received the two highest awards offered by the Interstate Fair.

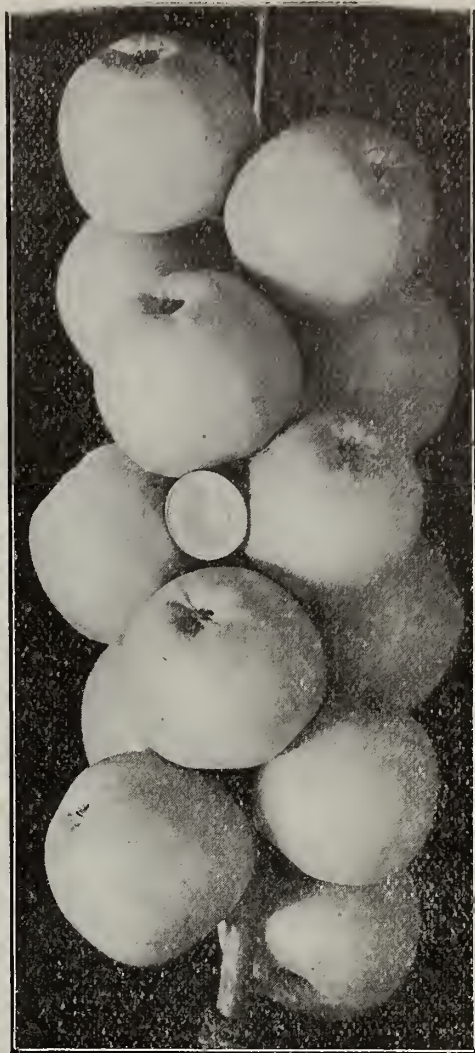
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We can show you the

Finest Homes on Earth
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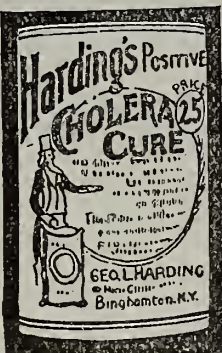
References: Associate editor this paper, J. C. Clipp, of Saltillo, Ind.; First National Bank, Wenatchee, Wash.

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The Red Apple Real Estate Co.
A. J. LINVILLE, Mgr.
WENATCHEE, WASH.



Grown by Wm. Turner, Wenatchee, Wash. Variety, Winter Banana, 13 1-2 inches long. 13 Apples, weight, 8 1-4 lbs. Age of tree, 6 years old.



You Will Get Your Money Back

if any of the following remedies fail to give the results claimed for them.

- Harding's Positive Cholera Cure, - 25c.** By mail, 40c.
- Harding's Successful Roup Cure,** By mail, 50c.
- Harding's Antiseptic Lice Killer, - 25c.** By mail, 40c.
- Harding's Head Lice Ointment,** By mail, 25c.

If your dealer cannot supply you, write the undersigned. Take no substitute.

Use Harding's Granulated Milk for Poultry. \$3.00 per 100 lbs.
Clean, Dry, Wholesome. Keeps in any climate. Write for free booklet today.
Geo. L. Harding, Box 66. Binghamton, N. Y.

dress W. H. Cochrane, Sec'y, Bristol, Va-Tenn.

Eggs To Be A Luxury.

Whether the great American hen has heard of the election of Taft, and therefore, in company with other earnest laborers, intend to command a handsomer return for her product, or whether she imagines that the common people are paying too much homage to the beef trust and accordingly means to sulk and "lay down on the job," does not much matter—but the price of eggs is going to be 50 cents this winter.

That's what the commission men say. They don't admit it. They say it. And like their fellow caterers to the populace, the ice man, the coal baron, the plumber and the milkman, they always mean what they say. Usually people bank—or rather, unbank—on what they assert, is or is to be the fact. Just to lend color to the prediction, it may be mentioned that today the strictly fresh essay on the part of the hen is worth 35 cents when done up in dozen lots.—*Detroit Evening News, Nov. 9.*

WHITEWASHING
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
Rochester Spray Pump Co., 31 East Av., Rochester, N. Y.

BRODIES GORDIAL
The Ideal Household Remedy
A sure cure for cramps, colic, cholera, diarrhoea, dysentery, cholera infantum, all bowel troubles.
For Poultry
A teaspoonful to each quart of water will be a sure cure or preventative for all bowel troubles.
I. L. LYONS & CO., Ltd., Proprietors
222 to 226 Camp, 529 to 533 Gravier Sts.
NEW ORLEANS, LA.



"Ideal."

This Ideal R. I. Red Pullet won three times this winter, Ohio State Show, Cleveland and Columbus, winning the shape special twice. McClave scored her 95. This cut is photographed from life, without any retouching. Another one of my Utopia birds. She and her parents were bred and raised on Miles Poultry Farm, Columbus, Ohio.

Three Great Shows in One Week.

It seems unfortunate that two of the great Tennessee shows and the Charlestown, S. C., should all fall on the same date. Though after all, it may not be a universal evil, for there has been such an increase in the quality and quantity of fine poultry in the south that there will be plenty of first class birds in each show. It will be an advantage to the breeders who will not have to send their birds such a great distance. It will save expense; the birds will be in better shape and it will be much better for them, at best the traveling to and from the shows, being cooped up in small coops and the long hours of being kept awake by the electric lights, and the nervous strains of a show makes it a tremendous strain on the fowls. The result is that it takes from two weeks to a month for breeders to get back into shape for work. The tendency has been to try to have the shows over by January 1st, that they may get ready for early hatching. This is especially true of the south, where the conditions for early hatching are the best. We wish however, that some city with extra good facilities, like Nashville, would hold a show later than usual, say about the middle of January, where an opportunity would be offered for the best birds of the earlier shows to meet and fight it out.

Knoxville Show.

The East Tennessee Poultry Association has been having a better show each year, a larger number of birds with great improvement in quality each time. The fourth annual show, Dec. 9-12, promises to eclipse them all in number and quality. A gratifying feature of this show has been the increased attendance each year; last year there were ten thousand visitors in ten days, those who had visited former shows came again and brought their friends. The management of the show has been of the best; the various officers and members of the executive committee, are in constant attendance at the show, making a special part of showing attention to visitors. Knoxville has the unique reputation of never a kick having been made on any awards at its shows. The birds are all shipped home the last night of the show. 1908 will be a banner show, fully 1500 birds are expected. Besides cash prizes there is a fine line of cash specials and many silver cups offered. Judges Hutchinson and Marshall will officiate.

BUFF ORPINGTONS. EGGS.
Express prepaid. Won 2nd cock, 2nd hen, 2nd pen, Memphis, 1908; 1st and 2nd pullet, 2nd cockerel at Arkansas State Fair, 1907.
Young stock.
MRS. W. A. GIBBON, CONWAY, ARK.

PHILADELPHIA
CHASE'S
Blood and Nerve Tablets
The Great Tonic For Old People
Build Up the Vital Forces.
Price, 50c. Book free. Dr. Chase, 224 N. 10th St., Philadelphia, Pa.

CHEROKEE FARM

S. C. R. I. Reds and R. C. Br. Leghorns, M. B. Turkeys, Toulouse Geese, Indian Runner and Pekin Ducks, Aberdeen Angus Cattle. We have fine stock of the BEST STRAINS OF EACH

C. W. HICKS, Proprietor,
MADISONVILLE, TENN.

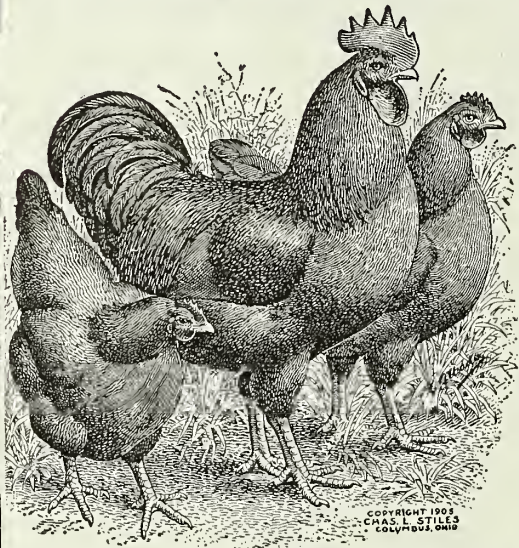
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Business College and
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BROADWAY AND EIGHTH AVE.
NASHVILLE, - - TENN.

OLDEST-BEST

PREPARES AND PLACES STUDENTS
Excellent Faculty, Method and Influence. Our Students are recognized as thoroughly competent and good positions are assured graduates. Tone of school endorsed by Clergy. References from the Governor of Tennessee, six Ex-Governors, leading business men, and State and Railroad Officials of Tennessee.
SEND FOR FULL INFORMATION

RHODE ISLAND REDS

EADY'S
Exhibition and Utility Strains.



He Got the Best to Start with.

IT'S THE BEST HE OFFERS YOU

At Alabama State Fair, 1908, class of 100 birds, Marshall, Judge, he won 1st cock, 1st and 3rd cockerels, 1st pen and 2nd pullet. Also special for second best pen in American class and \$10.00 cup for best display of any one variety.

He won at Mobile Poultry Show, 1908, 1st, 2nd, 3rd and 4th pullet; 2nd cockerel, and 3rd cock. Also won Club ribbon for best colored female. He only entered six birds. Is that not good enough?

Stock for sale. Eggs in season. Write for mating list.

C. W. EADY, CUNTERSVILLE, ALA.

Ertel's Poultry Diary

is our new book for poultry raisers. Keep an account of your eggs, chicks, expenses and sales. Know what the results are. Our Diary shows how and gives good spaces. Our Diary also tells about our new incubators and the improvements we have made to conform to the suggestions of U. S. Dept. of Agriculture and the Fire Insurance Underwriters. It tells why our machines are the most profitable to own and operate—why our machines uniformly hatch over 90%—why our prices are so low—why you get better satisfaction from our machines. Better write for the Diary today. It is free. Tell us if you are thinking of buying an incubator and about what size you want. We will make you prices that will surely interest you. We pay the freight. **GEO. ERTEL CO., Quincy, Ill. Established 1867**

GEO. ERTEL CO., Quincy, Ill. 12345

Please send me "Ertel's Poultry Diary" and give me a special price on a.....egg Incubator.

Name.....

Postoffice.....

Route No..... State.....

How to Get EGGS

What to feed is the great problem. Why not be guided by the experience of hundreds of the most successful poultrymen of the country and feed

Darling's Laying Food

Rich in protein and egg-making ingredients. Analysis as well as experience proclaims it the greatest of all egg-making foods.

Price \$2.00 per 100 lbs.

Darling's Scratching Food, Chicago price, \$2.00; New York price, \$2.25. Forcing Food, \$2.00. Chick Feed, \$2.50. Beef Scraps, \$2.75. Oyster Shells, 70c. Mica Crystal Grit, 65c. Prices all for 100-lb. sacks, f. o. b. Chicago or New York. Cash with order.

Write for catalog for particulars. Also for booklet, "Fill the Egg Basket." Both free.

Darling & Company
Box 41, Union Stock Yards,
Chicago, Ill.
Box 41, Long Island City, N.Y.



Extra Fine Rhode Island Red Pullets and Cockerels For

Sale at reasonable prices. Also old stock

MISS ROSE WALLACE, Harriman, Tenn.

SPECIAL TO BREEDERS.

With the January No. of THE INDUSTRIOUS HEN we will inaugurate a *Special Breeders' List*. Names and addresses in one line will be inserted over choice of breeds at 25c for each insertion, \$1.25 for six months, or \$2.00 for twelve months. No names inserted except for cash in advance.

BARRED PLYMOUTH ROCKS

C. P. Hale, Sweetwater, Tenn.

MAMMOTH BRONZE TURKEYS

Mrs. W. R. Brakebill, R. 3, Knoxville, Tenn.

WHITE HOLLAND TURKEYS

A. S. Bell, R. 13, Knoxville, Tenn.

SCOTCH COLLIE DOGS

Knox Collie Kennels, Knoxville, Tenn.

S. C. WHITE LEGHORNS

Jno. F. Childress, Sweetwater, Tenn.

Ledford's Black Minorcas.

C. H. Ledford, Atlanta, Ga., is an old advertiser in the HEN. His new ad appears in this issue. At the Birmingham State Fair recently he writes that he won every first on Black Minorcas, and at the Georgia State Fair two-thirds of all the prizes on this breed. He will have some birds at the great Knoxville show.

A Famous Winner.

There's no use talking, when a breeder goes to all the shows and takes as many prizes as C. H. Dozier, Marion, Ala., has during this season he has birds worth talking about. His famous Barred Plymouth Rocks won in competition in Nashville with 200 B. P. Rocks from north, east, south and west, and have won wherever shown. Read a partial list of his recent winnings in his advertisement in this issue.

The Monroe, La., Show.

Was a great success, and while there were not as many birds as last year, the quality was superior. Loring Brown placed the ribbons. Secretary C. E. Faulk gave general satisfaction by his energetic, painstaking ability. C. H. Dozier, Marion, Ala., on B. P. Rocks won 1-3 ck, 2 hen, 1-2-4 pul, and 1st pen. C. E. Faulk, W. Monroe, 3-4 hen, 3 pen, W. W. Reeder, Minden, La., 2 ck, 1 hen, 4 pen. On White Rocks Mr. Reeder won 2-3 ckl, 1-3-4 pul, 2 hen, 3 pen. Birds shown from Minden, Ruston, Newton, Homer, Lumberton, Miss., Tyler, Texas, and New Orleans, and was not a walkover for the local fanciers. The display of birds was generally considered one of the finest ever shown in the south.

The Farmers School.

A short winter course in agriculture at the University of Tennessee, Knoxville, will be held Jan. 4 to March 13, 1909. Tuition free. No entrance examinations. Courses divided into two-weeks periods; may be taken singly or as a whole. Open to everybody sixteen years of age or over who can read and write. Valuable prizes will be awarded. The Experiment Station - farm of the University of Tennessee is one of the best in the United States. The extensive plots and the splendid condition of the fields and meadows afford every opportunity for study and for illustration. Experiments in feeding beef cattle (high-grade Shorthorns) will be in progress at the farm and fine examples of the best breeds of dairy cattle, sheep, and hogs will be available for use in stock judging. The dairy gives unusual facilities for the study of dairying. The experiment orchard and vineyard contain the leading commercial fruits, and are used freely in instruction. Several colonies of bees, and a complete equipment of accessories, make possible full demonstrations in bee husbandry. Send for complete list of courses to the University of Tennessee, Knoxville.

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

DECEMBER EGGS

1907		DECEMBER 1907			
SUN.	MON.	TUE.	WED.	THU.	FRI. SAT.
1	8	15	22	29	6 7
					14 21 28

I am well pleased with Lee's Egg Maker. My eggs for December cost me 61.4 cents per dozen for feed; average per hen 16.3 eggs; cost of feed per month was 10 cents per hen. How is that for December?
Dec. 1907 D. H. HAMMONS,
Mgr. Ginn Ranch, Highlands, Calif.

The above letter from one of California's big poultry farms, where egg-production is the first consideration and poultry feeding has become a science. If the big poultry-raisers, who have the markets of the world to choose from, find

Lee's Egg Maker

the best poultry food obtainable, would it not be equally as profitable for you?

Lee's Egg Maker is largely granulated blood (deodorized), the most highly concentrated form of meat food, one pound of which is equal to 16 pounds of fresh beef.

It is rich in protein—a natural poultry food that not only insures a maximum egg-production but makes fowls more profitable in every way.

Buy it on our Guaranty of an increased egg-production at a reduced feeding cost.

Prices: 25c to \$2.00, according to size.

GEO. H. LEE CO., Sole Mfrs.
1136 Harney St., Omaha, Nebr.

Ask your dealer or send to us direct. Send for free books—"Mandy's Poultry School," "20 years with Poultry," "Incubator Hygrometry" or 1909 Catalog of dandy Lee Incubators and Brooders.

GENERAL AGENTS

BOSTON, MASS.—Fiske Seed Co.;
PHILADELPHIA, PA.—Howard L. Davis, 45 N. 13th St.; TAMPA, FLA.—Crenshaw Bros. Seed Co.; SALT LAKE CITY, UTAH.—Porter-Walton Co.; DALLAS, TEX.—Robinson Plant and Seed Co.; LOS ANGELES, CALIF.—Henry Albers Co.; PORTLAND, ORE.—Portland, Seed Co.



POULTRY PRINTING

HAVE YOU ANY STOCK OR EGGS FOR SALE?

If so, we want your name.

Our Prices are Right, Our Quality the Best.—We have the finest line of poultry cuts in America, representing all varieties. Proof of these, with full line of samples, will be mailed free upon request. We print everything for the poultryman.

POULTRY POST, COSHEN, INDIANA.

DON'T STAY FAT



SEND FOR A FREE TRIAL TREATMENT of the remarkable new discovery which quickly reduces superfluous flesh from men, women and children leaving the person in normal weight and good health.

ANTI-FAT treatment takes off fat at the rate of five pounds a week. No person is so fat but what it will reduce no matter where the excess fat is located—Bust, Hips, Stomach, Neck, Checks—it will quickly reduce without exercise, exertion or dieting.

ANTI-FAT Strengthens the Heart and enables you to breathe freely. It is a natural scientific obesity reducer. It has done for others what it will do for you. It is perfectly harmless being a physician's prescription. You will feel a hundred times better the first day you try this wonderful treatment. No woman can be beautiful who has overweight. No dressmaker can overcome the pudgy, puffed and awkward appearance of a fat woman.

ANTI-FAT treatment reduces most obstinate cases. You can not be healthy and happy while you suffer from an excess of fat. Fat people are barred from the general pleasure of life and many times are subject to such diseases as Asthma, Rheumatism, Kidney Trouble and Heart Disease.

THE ANTI-FAT treatment cures all these—removing the cause. Do not take our word for it. Send for FREE TRIAL TREATMENT to-day. It is free for the asking.

INTERNATIONAL LABORATORY, 1123 Broadway, New York City.

ECZEMA

Instant relief and positive cure. Trial treatment mailed free.

ASTHMA

Instant relief and positive cure. Trial treatment mailed free.

International Co., 1123 Broadway, New York Toxic Laboratory, 1123 Broadway, New York

I Have Found the Man.

El Paso, Tex., 11-19-08.

Dear Sir:

Please discontinue my notice. It has brought numerous inquiries and I think I have found the man I am looking for among them. I have not, however, rec'd copy of HEN containing "ad." Truly, J. A. Love.

The American Columbian Plymouth Rock Club.

Will offer, for competition by members only, handsome Club ribbons at New York, Boston, Chicago, Philadelphia and other of our leading winter shows, and in addition, a special to be known as the President's Sweepstake Special is offered by D. M. Green, President of the Club, for the best Cock, Hen, Cockerel, Pullet and Pen, to be exhibited by a member of the Club at the Madison Square Garden Show, Dec. 29th-Jan. 2nd, '09. E. B. Andrews, Secretary, 9 West 17th Street, New York.

Standard of Perfection—Criticisms and Suggestions.

A general invitation is hereby extended to every fancier, who has bought at any time a Standard of Perfection, to offer criticisms on said Standard and make suggestions for its improvement. Such criticisms and suggestions may be sent to Fred L. Kimmey, Morgan Park, Ill., Secretary of Committee, and will be by him referred to the Revision Committee of 1910. The Committee meets in April, 1909, and the criticisms and suggestion must reach the Secretary by that time; but to receive the full consideration they deserve should be sent as soon as possible. Chas. M. Bryant, President, American Poultry Ass'n.

Helps For the Poultry Industry.

The incubator has doubtless done more for the poultry industry than has any other single factor. "Raising Chickens" was of little importance before this machine was invented, simply because "hen-hatched" chickens could not be matured early enough in the season to sell at a profit. However, the incubator now makes it possible for chicks to be well matured by the time most hens begin to show signs of broodiness.

Thus incubators have come into common use, and some few makes have established their right to the confidence of the public. Prominent in this class stands the "Excelsior" and "Wooden Hen," the former having been one of the earliest of the artificial hatching machines put on the market.

Both types are built upon practical lines and have won the approval of thousands of poultrymen everywhere. They are made in sizes varying from 50 to 600 eggs, thus adapting themselves to poultry plants great and small.

"Excelsior" and "Wooden Hen" Incubators and Brooders are illustrated and described in attractive catalogues and literature issued by the manufacturer, Geo. H. Stahl, Box 43-B., Quincy, Ill., who will gladly mail same to any address upon request.

Arkansas State and Pet Stock Association.

The first annual show of the reorganized Arkansas State Poultry and Pet Stock Association was a great success in every particular and also proved to be something of a surprise to many of the state fair visitors. The large number and the high quality of Arkansas grown poultry goes to prove the claim that we can raise as fine birds here as in any other state of the Union and this fact should encourage our breeders as well as the farming and fruit growing classes to give more attention to this highly profitable branch of agriculture.

There were approximately 1500 birds shown, nearly double the number ever shown before at a similar exhibition in this state. The interest shown was very satisfactory, the aisles being filled with interested visitors at nearly all hours of the day, and the attendants were kept busy answering questions. A large number of sales were reported, most of them being at very good figures. Heroic

assistance was rendered the superintendents and judges by Ryland the chicken man of Pine Bluff and B. E. Green, of Magnolia.

Special association prizes will be given next year to all local poultry shows and to all county and district fairs that maintain a poultry department.

A cash prize of \$5.00 will also be given the person who secures the greatest number of active, paid up members of the association during the year ending Oct. 31, 1909.

An educational campaign will be inaugurated by the executive committee, the intent of which is to place in the hands of every farmer, stockman, fruit grower and other interested parties, of the state, a booklet of reliable information concerning the poultry business and its possibilities in the state of Arkansas. Such booklets to be compiled by the Secretary-Treasurer upon approval of the executive committee and distributed by him throughout the state. A supply also to be furnished each member to be used according to his or her best judgment in furthering the interest of more and better poultry.

The officers of the Arkansas State Poultry and Pet Stock Association for the ensuing year are: Hon. Otis T. Wings, DeQueen, President; Dr. A. E. Cone, Portland, Vice-President; G. C. Watkins, Siloam Springs, Sec'y-Treas; A.P. Ryland, Pine Bluff, Howard H. Redner, Hot Springs, members Executive Committee.

G. C. Watkins, Secretary-Treasurer, Siloam Springs, Ark.

A POULTRY BOOK

THAT TELLS YOU

HOW TO

Select the layers *without trap nests* (the only infallible

method). How to produce *two-pound broilers in eight weeks—get 200 eggs per hen per year, and make pullets lay at 5 months old—secure 90 per cent hatches with hens or incubators* (no dead chicks in shell)—make the *Nevitt Fireless Brooder in one hour for 50c and raise all the chickens hatched—make feed for 10c per bushel* for growing chicks and producing eggs. Our new copyrighted book, *The Nevitt System of Poultry Culture*, teaches this and covers all branches of profitable poultry work. Invaluable; nothing like it; Nevitt System being adopted everywhere; no failures. Circulars free. Send \$1 today. *Money cheerfully refunded if you don't consider the information worth 100 times the price.* Address

POULTRY PUBLISHING CO.,
312 Jackson St., Dallas, Texas

S. C. BUFF ORPINGTONS

I breed but one variety. In buying from me you run no risks in getting mixed stock. I guarantee a good hatch from eggs. Also guarantee birds I ship to satisfy my customers or same may be returned. Your inquiry or order will have prompt attention. Eggs \$2.00 per 15; \$10.00 per 100.

J. L. ALLEY,

BOX 110,

MIDWAY, ALA.

RHODE ISLAND REDS ROSE AND SINGLE COMB**Largest Exclusive Breeders of Reds in the South.**

All birds standard bred, correct color, and shape. None but the best allowed to live. Eggs for hatching a specialty. List of winnings, with matings for 1908 free. Satisfaction guaranteed. Eggs from Prize Pens, \$2.00 per 15. Special prize matings \$3.00 per 15.

WEST DURHAM POULTRY FARM,

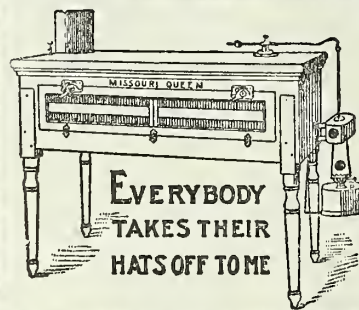
WEST DURHAM, N. C.

S. C. Rhode I. Reds AND Barred P. Rocks

The best your money can buy; exhibition and utility stock that will please you; 1st prize winners at State and National Shows for past 10 years. Our winning at Cleveland, Ohio, Columbus, Ohio, Indianapolis, Cincinnati and Nashville, Tenn., is a record unequalled. Send for prices, we have the quality.

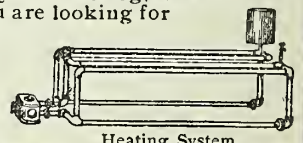
MILES POULTRY FARM, Columbus, Ohio.

OSCAR E. MILES, Owner, Licensed Judge American Class.

**THE MISSOURI QUEEN INCUBATOR.**

I claim the only way to heat the corners of an Incubator is to place heat in them. Notice my system with pipe down each of the four corners. If you want the best Incubator in the world, send for my free catalog, which will tell you all about it. If you are looking for a "Cheap John Affair," send to the other fellow. Address all letters to

W. P. SHEETS,
Dept. E. Princeton, Mo.



Heating System.

Pedigreed Dogs, all breeds; Birds, Parrots, Monkeys, Pigeons, Pet Stock : : : : : :

BELLEVUE POULTRY SUPPLY CO. Ltd.

740 Camp St., NEW ORLEANS, LA.

Incubators, Brooders, Feed, All Poultry Supplies

WRITE FOR CATALOGUE AND INFORMATION

We buy and sell Fancy Poultry of all breeds. Carry a full line. Will take on consignment or buy outright : : :

Richmond, Va.

Will hold her third annual poultry show, Dec. 7-12. R. L. Simmons, judge. W. R. Todd, Sec'y.

To Be Invited.

"Prof. James E. Rice, the well known poultry lecturer, of Ithica, New York, will very likely be invited to make a two hours' talk at the next session of the Indiana legislature in January, 1909. There will be a bill introduced at that time for \$25,000 for poultry experimental work at Lafayette. The prospects are now that the bill will go through."—Fame Walloos.

The Connecticut Agricultural College

The Connecticut Agricultural College offers a short course in poultry culture which opens January 5, 1909, and continues six weeks. Instruction will be kept upon strictly practical lines, and every effort will be put forth to make the course helpful and interesting. A number of prominent poultrymen will be at the college during the term to give the students the benefit of their experience. Send for bulletin of short winter courses, Connecticut Agricultural College, Storrs, Conn.

National S. C. Buff Orpington Club.

The annual meeting of the National S. C. Buff Orpington Club will be held at Madison Square, N. Y., Dec. 29, 1908-Jan. 2, 1909. The Eastern Branch will be held at New York. The Mid-West Branch at Trenton, Mo. The Western Branch at Oakland, Cal., and the Southern Branch at Nashville, Tenn. The vote for the Central Branch has not yet been completed, but will be held at Indianapolis or Youngstown, Ohio. The club offers this season 30 state silver cups in 30 different states and 5 beautiful badges at every poultry show in America.

Thomas Convertible Brooder.

The superior advantages of the Thomas Convertible Brooder are strikingly attested by hundreds of users throughout the country. The testimony of these practical men, many of whom are well known prominence in the poultry field, demonstrates that this brooder has no superior on the market. What is said of the Thomas Convertible Brooder by some of its well-satisfied users may be read in the notice in another column. All who expect profit from poultry should write for a free illustrated Catalogue, with testimonials, to The H. J. Thomas Brooder Company, Dept. A, Detroit, Mich.

Official Premium Lists.

Among the official premium lists of poultry shows to be held in the near future, we have received the following: Asheville, N. C., Dec. 1 to 4, 1908; Charleston, S. C., Dec. 8 to 9; Hamilton, Ohio, Dec. 1 to 6; Lebanon, Tenn., Dec. 3 to 8; Knoxville, Tenn., Dec. 9 to 12; Frankfort, Ky., Dec. 1 to 5; Madison Square Garden, N. Y., Dec. 29 to Jan. 2, 1909; Trenton, Mo., Dec. 8 to 12; Bristol, Tenn., Dec. 16 to 19; Rantoul, Ill., Dec. 15 to 19; Pickens, S. C., Dec. 2 to 5; Nashville, Tenn., Dec. 8 to 12; Chicago, Ill., Dec. 15 to 19; Fairmont, W. Va., Dec. 8 to 11; Crawfordsville, Ind., Dec. 9 to 11, 1908.

Pays to Have a Bone Cutter.

One of the greatest virtues of feeding cut green bone is in its freshness, when it is not only more relished by the fowls but produces for greater results in egg production.

To own a bone cutter and cut the fresh bones every day is the method of the succes-

ful poultry keeper. This is made possible to many by the low cost and adaptability of several machines on the market, notably the well-known Crown Bone Cutter which works easily and quickly and soon pays for itself in the increased egg output of the flock.

The makers of this machine, Wilson Bros., box 646, Easton, Pa., have issued a descriptive catalogue of their various sizes which they will send on request. It would be advisable to secure a copy and look into the matter.

A Remarkable Fair Offer.

In the advertising columns of this issue you will read the fairest and squarest offer we have ever heard of. Mr. H. M. Sheer, of Quincy, Ill., is offering for the small sum of 25 cents, his large, very explicit and instructive book of plans for the building of incubators and brooders, and offers at the same time to refund the money if you are not satisfied with the book, and further, he agrees to credit you with 25 cents on your first purchase of any incubator supplies from him. The directions are simple and easy to follow. Mr. Sheer has been identified with the incubator business for 20 years. He has patented numerous devices, all tending toward the increase in the percentage of the hatch and all in favor of the inexperienced operator. He has letters from thousands of people who have never successfully hatched chickens artificially until they had read his book. You will make no mistake in sending for this book at once.

The Twin Falls County Poultry Association will hold its first annual show at Twin Falls, Idaho, Jan. 28-30, 1909. D. T. Heimlich, judge. Mrs. B. F. McPherson, Secretary.



IDEAL ALUMINUM LEG BAND
To Mark Chickens
CHEAPEST AND BEST
12 for 15c; 25-25c; 50-40c; 100-75c.
Sample Band Mailed for 2c Stamp.
Frank Myers, Mfr. Box 50, Freeport, Ill.



MOFFITT'S
Perfection Ideal Aluminum Leg Band—12 for 12c; 25 for 20c; 50 for 40c; 100 for 65c. State variety bands are for Send two cents for sample.
For Poultry and Pigeons.
J. MOFFITT, Southbridge, Mass.

BLACK MINORCAS

Ask About Hillcrest Quality
SOME GOOD TRIOS FOR SALE
Eggs After January 1st, 1909. Orders Booked Now
BARRED ROCKS
R. G. McCANTS, Prop.
Hillcrest Poultry Farm - Ninety-Six, S. C.

S. C. WHITE LEGHORNS

That have won highest honors at Cincinnati, Louisville, Lexington, Kentucky State Fair and Harrodsburg.
Is it quality you want? If so write me.
W. E. GABHART, Box M, Bohon, Ky.



Barred Plymouth Rocks

(EXCLUSIVELY.)

All surplus stock sold for this season. Now is the time to begin thinking about where to buy eggs for your early hatches.

EGGS, \$2.00 PER 15

from carefully selected stock. Satisfaction guaranteed.

CLARENCE YOUNG, Sweetwater, Tenn.

(S. C.) RHODE ISLAND REDS

Some choice breeding stock yet for sale at reasonable prices. 100 large early hatched Cockerels at \$2.00, \$3.50 and \$5.00 each. Trios and pens mated for best results, at from \$5.00 to \$15.00 each. Eggs for hatching from selected matings at \$2.00 per setting, or two settings for \$3.50. Incubator eggs are \$8.00 per hundred. Write your wants and ask for free booklet.

LAKEMONT POULTRY FARM,
WARD & LANE, Proprietors. Box 57, Winter Park, Fla.



A Hale Winner

BARRED PLYMOUTH ROCKS FOR SALE

To make room for hundreds of young chicks I am offering all of my breeding stock, consisting of 70 yearling hens and 7 cock birds at such low prices that any one wanting the best in the South can obtain them. Why send your money up North or East and pay four or five times as much for birds when you can get better here for so much less. My Rocks have an unbroken show record at the South's best shows.

I have never exhibited nor sold a bird for a show room that failed to win the blue ribbons.

This speaks as to quality. The stock I am offering are all high class birds. If you are interested don't delay but write today for prices and full description.

C. P. HALE, Barred Rock Specialist, R. 1, Sweetwater, Tenn.

SCOTCH COLLIE DOGS OF MOST UP-TO-DATE BREEDING

American Cornish Club.

Announces the resignation of Sec'y F. H. Williams, and the appointment of H. C. Hayes, Eureka, Ill.

Hastings, Mich.

Poultry show, Jan. 25-30. Pres. M. W. Hicks, Secy., Mrs. J. C. Ketcham; judge, F. J. Marshall.

Columbian Wyandotte Winnings.

Sturtevant Bros., Kushta, Ala., won at great Nashville fair, 1908, a 3000-bird show, 1 ck., 1 hen, 1-3 ckl., 1 pen. They are reliable breeders and we heartily commend them.

American Orpington Club.

Have issued their new catalog. Send 25c for a copy to Dr. Paul Kyle, Flushing, L. I. The new catalog contains a brief history of the origin of the different breeds and is worth reading. A special meeting of the Club will be held at Buffalo Feb. 2, 1909.

The Hen's Silver Cups.

The following exhibitors have won THE INDUSTRIOUS HEN'S Silver Loving Cups as reported to us as follows:

Tennessee State Fair, Nashville, A. B. Carter, Indianapolis, Ind.

Jeanerette, La., W. W. Reeder, Minden, La., and W. C. Taylor, Jackson, Miss.

Minden, La., Mrs. J. K. Norton, Denton, Texas.

The Big Center Poultry and Pet Stock Association.

Is getting out its premium list and will give seven hundred dollars in cash prizes, and many very valuable silver cups and other specials. The Big Center has always held the largest show in Oklahoma and expects to do it this year at Enid, Jan. 4-9, '09. M. A. Watkins, President. Mr. Watkins is offering THE INDUSTRIOUS HEN'S Silver Loving Cup for best Black Langshan hen, cock, pullet and cockerel.

Poultry Shows in North Carolina.

Our circuit of fairs and poultry shows has just closed with phenomenal success. The poultry exhibits were grand. The farmers throughout this section are more alive to their interest in the fancy poultry culture than ever before. It is now regarded as one of the most profitable industries of our state. It affords me pleasure and pardonable pride to state that my winnings far exceeded at our recent fairs my most sanguine expectations, as eight car loads of fowls were on exhibition at Greensboro.

I am now filling orders from some of the different southern states, and attribute my success to my advertisement in THE INDUSTRIOUS HEN. Those having surplus stock for sale can do no better than to place an advertisement in your worthy columns. With kind wishes for your success, Sincerely, Jno. W. Lasley, Burlington, N. C.

Augusta, Ga., Show A Success.

Secretary W. A. Herman writes of the glowing success of his show, and the *Chronicle* calls it the "South's best Poultry Show." Prize cards were put on all coops, and checks and ribbons were sent to each exhibitor before the close of the show. We notice several of our advertisers among the winners as taken from the *Chronicle*. Sturtevant Bros., Kushta, Ala., on Columbian Wyandottes won 1-3 ck, 4 hen, 1-5 pul., 4 pen. On S. C. Brown Leghorns, 4-5 ck, 3-5 ckl., 1-2 hen, 1-2 pul., 1 pen. Frank Langford, Nashville, Tenn., S. C. R. I. Reds won 1-5 ck., 4-5 ckl., 2-5 hen, 3-4 pul., 1 pen; R. C. R. I. Reds, 1 ck., 3 hen, 5 pul. J. L. Alley, Midway, Ala., Buff

Orpingtons, 1 ckl., 4 pul. Jno. F. Childress, Sweetwater, Tenn., S. C. White Leghorns, 5 ck., 3-4 ckl., 1-2 hen, 1 pen. Dr. H. S. Boyd, Sweetwater, Tenn., S. C. Brown Leghorns, 1-3 ck., 1-4 ckl., 3-4 hen, 3-5 pul., 2 pen. Blue Blood Poultry Farm, Charlotte, N. C., White Plymouth Rocks, 1 pen.

The Silver Laced Wyandotte Club of America, offers cash specials at Boston, Chicago, and Kansas City, and elegant blue silk ribbons at many local shows. For handsome catalogue write E. S. Tarhox, Sec'y, Yorkville, Ill.

Royal Poultry Plant.

J. S. Ward & Son, Nashville, Tenn., whose ad. appears in this issue have some fall winnings to their credit for which they are justly proud. Three birds were entered at the Augusta show. They won 1st ckl., 1st and 2nd pullets. Prizes were awarded as follows; for best ckl., in standard varieties, A. P. A. grand gold medal. For best S. C. R. I. Red ckl., A. P. A. silver medal. For best ckl. in standard varieties, A. P. A. silver medal and A. P. A. diploma. For best R. I. Red ckl. silver cup. For best pair S. C. R. I. Reds, silver cup; usual cash prizes. Messrs. Ward & Son write that they were very much elated over their winnings and well they should be for they have already booked egg orders for January. Look up their ad. elsewhere and if you want something good you can make no mistake in writing them.

The Weekly Market Growers' Journal, a business paper for busy gardeners, Louisville, Ky., is a necessity for every gardner. Write the publishers for a free sample copy. It's \$1.00 a year. If you send us the \$1.00, we will send you the Market Growers' Journal every week for a year, and the INDUSTRIOUS HEN every month for a year. The two for \$1. Send order to-day to the INDUSTRIOUS HEN Co. Knoxville, Tenn.



Mend Your Own HARNESS

Put the money you would pay the repair man in your own pocket and use Myers Lock Stitch Awl instead. It stitches like a sewing machine and will mend harness, saddles, fur coats, robes, shoes,

SEE THAT LOOP

gloves, canvas, carpets, etc. Something you and your neighbors need every day and costs only \$1.00 prepaid. You can secure the agency in your locality and make money. One agent sold 100 in 4 days. Write for booklet 65

C. A. MYERS CO.
6537 Woodlawn Ave., Chicago, Ill.

THE AWL FOR ALL

SINGLE COMB BLACK MINORCAS**Stock for Sale****FRED E. CARTER**

1003 Irwin St. Knoxville, Tenn.

S. G. RHODE ISLAND REDS

RED KING and two pullets at Augusta won 1 ckl., 1 pl., 2 pl., and six special prizes including two silver cups and the grand gold medal and silver medals of the A. P. A. for best cockerel in standard varieties. Such winnings with three birds should commend the strain to those seeking the best. STOCK ALL SOLD. EGGS IN JAN. CATALOG.

J. S. WARD & SON,

Station B. Route 9. NASHVILLE, TENN.

POULTRYMEN-- Send 10c for our 1909 Catalogue. Chuck full of useful information. Describes and Illustrates 35 Varieties. You Can't Afford to be Without it.

EAST DONEGAL POULTRY YARDS, Marietta, Pa.

McFERRIN'S EUREKA PLYMOUTH ROCKS BARRED AND WHITE

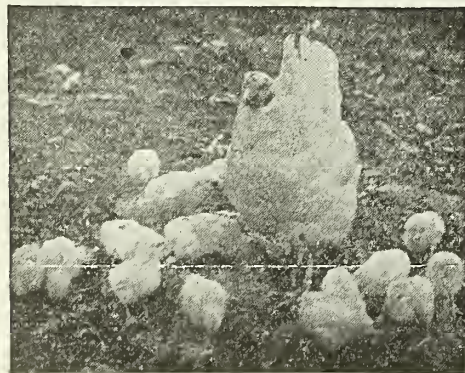
1908 Winnings.—Tennessee State Fair: Barred Rocks, 3rd cock, 2nd and 3rd hen, 2nd pullet. White Rocks, 1st cockerel; also White Rocks, Springfield, 1st and 2nd hen; 1st, 2nd and 3rd pullet; 2nd cockerel, and 1st pen. Incubator eggs and day-old chicks.

Bargains in Cockerels.

Pedigreed Collies.

SANFORD McFERRIN, SPRINGFIELD, TENN.**BARRED PLYMOUTH ROCKS SINGLE COMB RHODE ISLAND REDS**

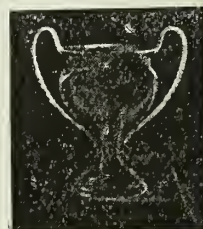
SPECIAL FOR A QUICK BUYER: One breeding pen of S. C. Reds—4 Pullets and 1 Cockerel, good shape, good color and no smut—for \$15, worth double the money. First fifteen takes 'em.

DIXIE POULTRY FARM**G. C. WATKINS & SONS.****SILOAM SPRINGS, ARK.**

No. 6; Score 93, Egg Record 197.

BLUE BLOOD 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.

Sold Eggs in Fourteen States

P. R. Brooks, Black Creek, N. C., under date of Nov. 17, 1908, says: "Your paper is a fine business bringer. I sold eggs in fourteen states this spring, and mostly through THE HEN."

The Century.

Dr. William Bayard Hale, best known, perhaps, for his full and vivid narrative of the daily life of President Roosevelt, was a guest of the German Emperor on board his yacht this summer, obtaining from him a frank and free expression of his views on many topics of current public interest. This record is to be published in an early issue of *The Century*.

J. F. Childress' White Leghorns Again Win First Prize.

At the big Augusta, Ga., "Quality show of the South" in the strongest of competition won 1st and 2nd Hen; 3rd and 4th cl.; 5th cock; 1st breeding pen. A handsome silver cup for best pen and another beautiful cup for best display. Childress must own the hen that lays the golden egg for she certainly produces a bunch of prize winners every year.

Interstate Poultry Show.

Fun, fuss and feathers in abundance are promised at the Interstate poultry show in Clarkston, Wash., south of Spokane, Feb. 2 to 6, 1909, when exhibitors from various parts of Washington, Idaho, Oregon and Montana will compete for cash premiums, trophy cups, medals and diplomas. The show is under the direction of the Asotin County Poultry Association, leader by A. C. Whistler. Robert Hamill, of Grangeville, Idaho, superintendent, the secretary being W. D. Clark, of Clarkston. W. C. Denny, of Rochester, N. Y., who has been identified with numerous shows throughout the country, will be judge.

Cincinnati Show.

The Cincinnati Poultry and Pet Stock Association will hold its eleventh annual show in Music Hall, Cincinnati, Ohio, Jan. 12th to 16th. Southern breeders are requested to exhibit. The Queen City is the gateway to the South, easily reached from all points in the South. As was clearly demonstrated at the late Tenn. State Fair, southern birds have the quality. To win at Cincinnati will furnish a national reputation to any breeder, as this is to be the American Poultry Association Branch show at state meeting. The Gold and silver medals which are more valuable than cups are to be given as prizes. Large cash and special premiums. Judges of national reputation will place the awards. Send for premium list to Julius Friedeborn, 141 West 6th St., Cincinnati, Ohio, Secretary. S. T. C.

Buttles' S. C. Black Minorcas.

Are widely known from coast to coast. A representative of THE HEN found in his yards some of the most typical Minorcas to be found anywhere. They are those large, long broad back fellows, with deep coal black plumage. His birds have been the leading winners at Tacoma, Seattle, Spokane and Wenatchee, Washington, the Coast's leading shows. Mr. Buttles' motto is "Quality, not quantity" and he has the quality that counts when it comes to competing for prizes. If you are looking for Minorcas of great size fine in plumage, shape and style write Mr. Buttles, he will treat you right and furnish you the best at reasonable prices. See his advertisement elsewhere in this issue.

Spring Hill Leghorns.

Those of our readers who are looking for quality in single comb White Leghorns look up the advertisement of The Spring Hill Leghorns, that were raised at Spring Hill Poultry Farm and owned by F. J. Heacock, R. No. 2, Salem, Indiana. Here are raised some of the most typical White Leghorns the world has ever produced. Here a careful record is kept of all the breeding birds so that there is no doubt as to the individuality and laying record of this strain. These birds are snow white and of the style that make all competitors set back and take note in the show room. A representative of THE INDUSTRIOUS HEN has met Mr. Heacock and his fowls personally and reports that Mr. Heacock not only gives his customers satisfaction but furnishes them with birds that are far above the average in White Leghorns. Mr Heacock is an honorable breeder, a gentleman in every sense of the term, a gentleman we enjoy to meet, a man that regards his reputation far above dollars and cents. He will give you a square deal. His birds have a gilt edge show record, a reputation that most any breeder would be proud of. Look up Mr. Heacock's advertisement in this issue and write him; he has some bargains in young stock to offer to early buyers.



Only 8 Cents a Bushel

A Poultry Food that will save you many a good dollar this winter and make your hens lay better than ever. Not sprouted oats nor beet pulp, but a REAL FOOD. Thousands of poultry-raisers using it. One used 600 bushels last winter and will use 1,000 this. See my free booklet for facts F. GRUNDY, Poultry Expert. MORRISONVILLE, ILL.



GOLDEN WYANDOTTES

I have a few two and three year old females to dispose of in order to provide room for young stock. Write for prices

W. H. LORD, - - - Asheville, N. C.

Black Minorcas, Barred and White Plymouth Rocks AS GOOD AS THE BEST

My birds have won over 150 prizes in the leading Southern Shows the past two seasons, winning the Blue at Nashville, Memphis, Birmingham, Atlanta, Augusta and Mobile this fall. Show birds and utility stock for sale. Special prices on cockerels if taken at once. I need the room. Eggs, \$2, \$3 and \$5 per Setting. Send for Pen Matings and Show Record.

C. H. LEDFERD, 33 Sells Ave., ATLANTA, GA.

QUALITY ALWAYS WINS!

Buff, White and Partridge Wyandottes, Barred Plymouth Rocks, S. C. W. Leghorns and Pekin Ducks of the Bluest Blood.

WINNERS OF 102 FIRST AND SECOND PRIZES

At the recent Ohio, Kentucky, Tennessee and Illinois State Fairs.

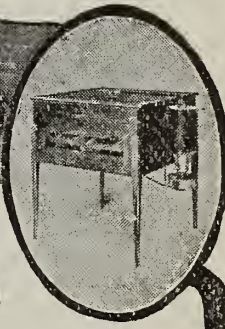
2000 HIGH CLASS EXHIBITION BREEDING BIRDS FOR SALE

SATISFACTION ALWAYS GUARANTEED.

HARTMAN STOCK FARM POULTRY YARDS

Please mention THE HEN.

Columbus, Ohio. H. B. HARK, Mgr.



AN AUTOMATIC MOISTURE REGULATOR

I have the honor to offer you the first moisture regulator to regulate the moisture in the hatching chamber. A device that not only supplies moisture but turns it on and off automatically as needed.

THE MODEL MOISTURE REGULATOR

Controls the degree of humidity in the Model Incubator just as the famous Model Thermostat controls the heat.

THE MODEL PATENT AUTOMATIC LAMP FILLER

Is the greatest economizer of time and labor ever put on an incubator or brooder. It keeps the lamp filled throughout the hatch, and maintains a uniform oil level which assures a uniform flame.

THE MODEL PATENT FLAME EXTINGUISHER

New this year, is a practical device that will put out the flame should the lamp smoke through improper handling. In the Model there is no housing of the lamp to heat the oil and cause an explosion. My fusible-link flame extinguisher prevents the burner and oil from heating—a simple and perfect fire-proofing contrivance. Furnished free on all Model Incubators.

As always, the improvements in the Model show distinct progress, insuring biggest hatches with lessened labor. Send for new descriptive literature.

Chas. A. Cyphers, MODEL INCUBATOR CO., 332 Henry St., Buffalo, N. Y., President,

C. W. HENDERSON & CO., Model Incubators, Knoxville, Tenn.

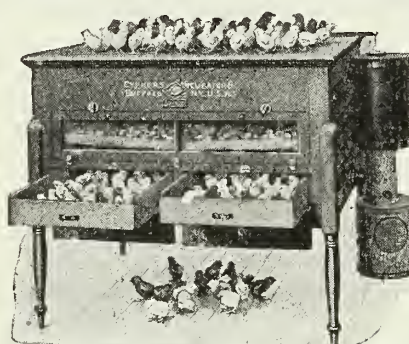
UNDERWRITERS LABORATORIES, INC.
INSPECTED INCUBATOR
SP. NO. 1 1/2

UNDERWRITERS LABORATORIES, INC.
INSPECTED INCUBATOR
SP. NO. 1 1/2

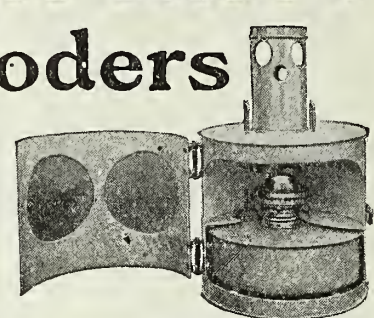
UNDERWRITERS LABORATORIES, INC.
INSPECTED INCUBATOR
SP. NO. 1 1/2

Cyphers Insurable Incubators and Brooders

Cyphers Incubators and Brooders have always borne an unequalled reputation with fire insurance companies. Recent requirements of the **National Board of Fire Underwriters** governing the construction of Insurable Incubators and Brooders have been strictly complied with for 1909. Few and only minor changes were required in Cyphers machines. These minor changes in order, in the Cyphers Incubator case, to "make insurance doubly sure" accomplish these important results:



General View of Standard Cyphers Incubator, 1909 Pattern, Equipped with Fire-Proof Heater, Fire-Proof Lamp and Fire-Proof Lamp Enclosure.



Cyphers 1909 Safety Lamp. Stood every test of Fire Underwriters' Engineers.

- No. 1—So that fire from the oil flame (or lamp) "cannot communicate to the incubator case."
- No. 2—"So that oil cannot drip from the lamp, nor fire communicate therefrom to the floor of the room in which the incubator is operated."
- No. 3—So that the lamp "cannot be filled without removal from the incubator" or lamp support.
- No. 4—So that the lamp "cannot be accidentally jarred or dislodged" from the support.
- No. 5—So that the lamp "will at all times be held in proper position and alignment" with the heat flue of heater.
- No. 6—So that the lamp can be "readily removed and replaced by the operator without spilling of oil."

Compliance with these stringent requirements constitute Cyphers emphatically the fire-proof and insurable incubators and brooders, and entitle them to "the Label Service" of the Underwriters' Board. Note the official label on the margins hereof. **Don't Risk Life and Property** with cheaply built, fire-trap incubators and brooders. The insurance companies are back of Cyphers.

For Complete Catalogue with the Whole Story, Address Nearest Office Below:

CYPHERS INCUBATOR COMPANY, Factory and Home Offices

BUFFALO, N. Y.

BRANCH HOUSES: } 23 Barclay St., New York City; 72 Lake St., Chicago; 26 Union St., Boston; 2325 Broadway, Kansas City, Mo.; 1569 Broadway, Oakland, Cal.; 117 Finsbury Pavement, London, England

UNDERWRITERS LABORATORIES, INC.
INSPECTED INCUBATOR
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SP. NO. 1 1/2

American Black Minorca Club.
The fourteenth Annual Meeting will be held at Tacoma, Wash., Friday, January 8th, 7 p. m. This is the first show ever held in the far west and it is to be hoped that members who can will attend and make an exhibit.

Join the American Poultry Association.

We are publishing this month a list of the poultry shows belonging to the A. P. A. It is to the interest of every fancier and every publication which has to do with fanciers that all Associations should be enrolled with the A. P. A. and it is the duty of all Associations to become members at once. Read the list and see is your show a member of the A. P. A.

Show Dates.

De Queen, Ark.—Dec. 17 to 19. W. E. Hicks, Sec'y; G. C. Watkins, judge.
Greenfield, Ohio—Dec. 28, 1908-Jan. 2, 1909. Ben S. Myers, judge; Lee W. DeVoss, Sec'y.
Oklahoma City, Okla.—Jan. 18 to 23, 1909. Geo. C. Winans, Sec'y.
Cardington, Ohio—Jan. 13 to 16, 1909, instead of Jan. 6 to 9. D. J. Bobson, Sec'y; M. M. Barger, judge.

Changed Date.

On account of conflicting dates of the Shawnee Association, the Oklahoma City Poultry Association has changed its dates to January 18th to 23rd inclusive. Oklahoma breeders are making great preparations for this show to be held in Oklahoma City, and have recently filed with the Secretary of State, articles of incorporation with a capital stock of \$1,500. You go up against a "square deal" proposition in showing at this Oklahoma fair.

Young's Barred Plymouth Rocks.

Clarence Young, of Sweetwater, Tenn., whose advertisement appears in this issue has a most excellent strain of this popular breed of birds. He has given unusual attention and care in raising this flock and it is with great pride that he is offering eggs from them for sale. He has sold all his surplus stock and is only advertising for the egg trade. To see his birds is to want them and all lovers of this beautiful breed who want to infuse a little new blood into their stock, should write Mr. Young.

The KNOXVILLE STORAGE CO.

SOLE AGENTS, 123 Jackson Avenue, KNOXVILLE, TENN.

CARRY FULL LINE CYPHERS' INCUBATORS AND BROODERS.

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

THE BELLEVUE POULTRY AND STOCK FARMS

NONE BUT "THE BEST"

— BREEDERS OF —
FANCY AND UTILITY POULTRY AND EGGS
Various Kinds of Pet Stock.

We manufacture The Dixie Incubator and Brooder, and Complete Poultry Plants

JEANERETTE, LA.



KING EDWARD, (Imported.)
1st ck'l Tri-State Fair Memphis, '08.
1st ck'l T Valley Fair Huntsville, '08.

"TWICKENHAM BUFFS" "THE BEST IN DIXIE" SINGLE COMB BUFF ORPINGTONS

Pen No. 1—"King Edward,"—"A Buff Orpington cockerel worth \$500.00," (Memphis Commercial Appeal.) He was sired by the greatest prize winning cock in England in 1907. Won 1st cockerel, Tri State Fair, Memphis, Tenn., 1908; also 1st cockerel, Tenn. Valley Fair, Huntsville, Ala., 1908.
True Orpington shape, fine eye, glorious in color.
Mated with "King Edward" are four wonderful pullets and three superior hens.
"Lady Luttrell," a granddaughter of "Champion of England" the most famous Orpington ever known. This pullet is a marvel in color, a really ideal bird.
"Countess of Kent," a pullet sired by the 1st prize cock at Madison Square Garden, 1907. The most delicate Buff ever seen in a Southern yard.
"Lady Huntington," another daughter of two 1st prize winners at Madison Square Garden. Very strong in color and shape. Eye and comb and style superb.
"Winnie Davis," a fine bodied pullet with clear wings and striking form, also a granddaughter of 1st prize winners, Madison Square Garden.
Three hens, from winners at Madison Square and Great Eastern shows. Hens won 1st, 2nd and 3rd hens at Tenn. Valley Fair, 1908.
THIS PEN CONTAINS THE FINEST BIRDS IN THE SOUTHERN STATES.
Eggs for sale. Prices reasonable. Fertility guaranteed.
TWICKENHAM POULTRY YARD, HUNTSVILLE, ALA.

WHITE HOLLAND TURKEYS and S. C. B. LEGHORNS
of extra quality. If you want to buy I can save you money. Write me just what you want.
W. T. JEAN, R. F. D. 3, Worthington, Ind.

White { **WYANDOTTES**
PEKIN DUCKS
AFRICAN GUINEAS
HOLLAND TURKEYS
TOULOUSE GEESE
Winners at Madison Square, Jam stown Exposition, Philadelphia, State Fair, etc.
STOCK AND EGGS FOR SALE
Evelyn Heights Farm, W. W. Thomas, Prop., Collett, Va.

NOTICE.

Mr. T. Goodrich, proprietor of the Navajo Poultry Farm, Logan, New Mexico, says: "I used six of the Thomas Convertible Brooders, and expect to use about twenty more this winter. They are the BEST Brooders I ever saw or used."

HOW'S THAT FOR GROWTH? IT BEATS MUSHROOMS!

If it is Brooders you need, be sure and get the kind that "makes good." The **Thomas Convertible Brooder** is made in one size only. Price, \$8. Write for free illustrated catalogue.

The **H. J. THOMAS BROODER COMPANY,**
Dept. A. DETROIT, MICHIGAN.

BUFF WYANDOTTES

THE HANDSOME AND USEFUL BREED.

A nice lot of stock for sale, both old and young.

EGGS FOR SALE, AFTER JAN. 15

W. C. GRIFFIN,
BRISTOL, TENN.

FRANK'S REDS Single Comb **R. I. REDS**

RED MONARCH
(Cockerel) of first pen, Augusta.

RED FEATHER
2nd cockerel, Birmingham; 3rd cockerel, Nashville; 3rd pen, Nashville.

OLD GLORY
1st cockerel, Cincinnati; A. P. A. Show, 1906.
Eggs \$3 to \$7. Write for Catalogue.

JAMES M. FRANK
Care Frank & Co., Nashville, Tenn.

PARK POULTRY PENS

QUALITY OUR MOTTO

R. I. Reds, Black Langshans, Black Orpingtons, White Wyandottes and White Plymouth Rocks. 300 Reds now ready for Fall trade. Black Orpingtons from my champion pen never beaten. Langshans, Wyandottes and White Rocks not great in number, but grand in quality.

MISS ALICE PELTON, MANAGER.
2209 14th Ave. N., Nashville, Tenn.

American Buff Leghorn Club.

Will hold its annual meeting at Madison Square, New York, Dec. 31, 1908, at 2 p. m. Geo. S. Byrnes, Sec'y., Battle Creek, Mich.

Queen and Wallace Consolidated.

Mr. Otto Barth, Secretary of the Queen Incubator Company, Lincoln, Nebr., writes us that his company (The Queen) has purchased the stock of materials, and will operate the plant of the Wallace Incubator Company at St. Joseph, Mo., after November 1st, 1908.

Easy.

Six-year-old Ray's teacher was endeavoring to give some very simple instructions in fractions. She added, "If Jane has six eggs and uses half of them to bake a cake what part will she have left? Quickly came the answer, "The shells!"—The December Delineator.

St. Nicholas.

The very little folks are to have more pictures and stories all their own in *St. Nicholas* in 1909 than ever before. One series, of an originality and humor to charm the whole household, will be a set of "storiettes" called "Dr. Daddiman's Stories." They are to have illustrations by Fanny Y. Cory.

Railroads Want Ambitious Young Men.

Railroad business has shown a remarkable growth during the past ten years, and last year the railroads were not able to handle the traffic. During the past few weeks there has been a great revival following the general



depression. The indications are for a very heavy fall business, and it is prophesied by some that the year 1909 will be the biggest in the history of the railroads. Railroads need hundreds of young men as firemen and brakemen but they expect applicants for these positions to have some knowledge of the work before taking employment. The National Railway Training Association supplies hundreds of young men for these positions, and we recommend that all who wish such employment, correspond with the Association in response to its advertisement in this issue.

BUFF WYANDOTTES

Are the BEST fowl on earth. Ask me "WHY?"

At St. Louis, Nov. 1907, on three entries I won 3 ribbons. Eggs \$2.00 per 15.

E. F. GILLETT,

R. F. D. 3. ROCKFORD, ILL.

COLUMBIAN WYANDOTTES

AND

S. C. BROWN LEGHORNS

Winners--Layers--Breeders.

We have them in both Old and Young Stock. Write us your wants.

SATISFACTION GUARANTEED

STURTEVANT BROS.

KUSHLA, ALA.

DOAK'S WHITE WYANDOTTES

BRED FOR BEAUTY AND BUSINESS.

The "Foremost Strain" of the Southland in Quality and Winnings.

Investigate our claims. We satisfy the most exacting : : : : :

E. L. DOAK & SON,

NASHVILLE, TENN.

RINGLETS, ROCKS and REDS

A grand flock of fowls for sale at reasonable prices. Many of them are prize winners. Exhibition birds a specialty, bred for size and egg production. Can furnish large, early hatched cockerels and pullets to improve your flock of the following strains: Thompson's Ringlets, Latham and Well's Barred Rocks, Dustin's Wyandottes, Buff Rock Nuggetts, Cook's Orpingtons, Tompkin's and Caswell's R. I. Reds, W. Leghorns, P. Wyandottes, Anconas, and Fishel's White Rocks. At Burlington and Greensboro, Oct., 1908, in a strong class, won over fifty prizes. Write for show record and prices. Eggs, special mating, \$1.50; best prize mating, \$2.00 and \$2.50. Orders solicited.

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

BOYD'S QUALITY

S. C. BROWN LEGHORNS

Latest Winnings: { Tenn. State Fair, Sept., 1908, 1st and 2nd Cocks; 1st Cockerel; 2nd Hen; 1st Pullet; 1st Pen and All Specials. Augusta, Ga., Nov., 1908, (Quality Show of South), 1st and 3d Cocks; 1st and 4th Cockerels; 3d and 4th Hens; 3d and 5th Pullets; 2d Pen and A.P.A. Medal and Diploma.

Only Limited Number Birds For Sale. Eggs in Season.

For Prices write **Dr. H. T. BOYD, Sweetwater, Tenn.**

A New Short Course In Poultry Husbandry.

A ten day special course in Poultry Husbandry will be given by the Iowa State College, Ames, Iowa, Jan. 4-16, 1909. This is the first short course to be offered in Poultry Husbandry by this College. The poultry work will be given by the Poultry Department, the buildings for which have been recently completed. The poultry farm, where much of the instruction will be given, contains nearly twenty acres, upon which several buildings have been erected. Further particulars may be had by addressing the Poultry Department, Iowa State College, Ames, Iowa.

Bristol Show Will Be Great.

The premium list of the Bristol, Va.-Tenn., show—Dec. 16-19—is great. It shows what early started persistent work will accomplish. Secretary W. H. Cochrane is a hustler from the word go. He told us a year ago that he would have a record-breaker for Bristol this year and it looks as though he had made good. The handicap under which the last two shows have operated, is removed this year. We refer to the up-stairs show halls. This year the show will be on the ground floor of a well-lighted store with plenty of room. Last year the show was crowded and had to be partly double-decked. Bristol show has shown the most wonderful growth. 1907 was double the number of birds shown in 1906. This year Bristol expects to have as many as Knoxville had last year. It is remarkable for a city of its size. As a set of up-to-date, new coops have been finished and extra attraction will be the services of J. H. Drevenstedt as judge, the club secured his services at an extra expense. The birds will have the best of care, under Griffin, as Supt. Numbers of sales of birds will be made at Bristol and egg orders booked for delivery. The premium list shows more money and prizes offered than at almost any other southern show. The number of club cups and ribbons secured shows much good work by the Secretary. The regular prizes are: 50 per cent. of entry money for 1st; 25 per cent. for 2nd; 3rd and 4th in ribbons. The Association will pay \$5.00 special on all pens where there are five or more entries; where less, \$2.50 in each breed.

COLUMBIAN WYANDOTTES

My matings include only standard-weight, vigorous birds, with correct markings and grand shape, including .st cockerel, 1st pullet and 1st pen, Hot Springs, 1908. Eggs \$3.50 per 15.

OTIS T. WINGO, DeQueen, Ark.

Standard-Bred Poultry Farms, BURKE'S GARDEN, VA.

Winning Stock from best strains possible, of the most popular breeds of chickens and turkeys. Eggs \$1.50 to \$5.00; Stock \$2.00 and up. + + + + +

LUMLEY'S Black Langshans

S.C.W. Leghorns, S.C. R.I. REDS, PEKIN & INDIAN RUNNER DUCKS, are Standard Bred and from the finest Laying Strains.

W. E. LUMLEY, Wrightsville, Ga.

BUFF PLYMOUTH ROCKS

Bred for Winter Eggs, size and color. 1,000 growing chicks. For Sale, Cocks, Hens, Cockerels, Pullets and Capons.

TWO POUND CHICKS, 50c EACH
AND UP

A. H. KIRK, Herndon, Va.

Virginia Vice-Pres. Buff Rock Club,
Sec'y Herndon Poultry Show.

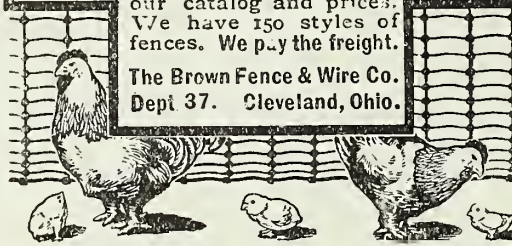
POULTRY FENCE

CHICKEN TIGHT

Stock Strong Rust Proof

The BROWN Poultry Fence is not an ordinary poultry netting, but makes a "chicken tight" fence almost as stout and durable as a stone wall. Requires no boards—top or bottom—and fewer posts. Will not sag, bag or bulge. Costs less than netting. Your poultry is always safe behind BROWN Poultry Fence. Get our catalog and prices. We have 150 styles of fences. We pay the freight.

The Brown Fence & Wire Co.
Dept 37. Cleveland, Ohio.



Single Comb White Leghorns and
Single Comb White Orpingtons.

We offer at great bargains high class birds in

"Wilber's World's Best"

SINGLE COMB WHITE LEGHORNS

—AND—

"Walker's Imperial"

SINGLE COMB WHITE ORPINGTONS

Write us your wants; we give you your money's worth in each and every deal we make. Quality counts. We have it. Give us an order and let us prove it. We are sure to please you. Eggs after January 1, 1909. Let us book your order. Satisfaction guaranteed.

WABASH POULTRY YARDS

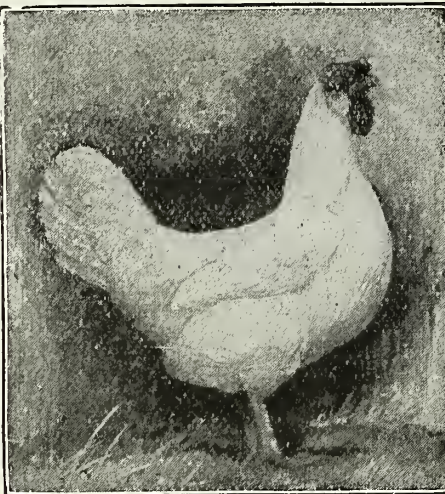
Box B. D. A. WALKER, Mgr., ARITON, ALA.



S. C. RHODE ISLAND REDS COCKERELS AND PULLETS

Will sell cheap. Need the room.

JOHN W. BROWN, Thorn Grove, Tenn.



IN BUYING

S. C. WHITE LEGHORNS

Two things are important to YOU

QUALITY and PRICE

If you are interested in getting the Best and Most for your money in breeders, show birds or layers, send for the finest S. C. White Leghorn catalog published.

N. V. FOGG

Box A

MT. STERLING, KY.

BUILD YOUR OWN INCUBATORS AND BROODERS

and Save One-Half the Purchase Price

Anyone can do it with my Plans. I furnish the mechanical parts, Lamps, Regulators, Heaters, etc., at low prices. You simply make the box or case. Many thousands have done it and I have yet to learn of a single failure. For only 25c to cover cost, I will send you prepaid my big illustrated book of plans and catalog, worth dollars to you. These plans are so simple, the instructions so complete, it is impossible for you to go wrong. You save half the purchase price and get the advantage of my exclusive patented features not found on other machines. Most prominent among these are

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These wonderful inventions are not to be found on any incubator you buy. I do not sell or build incubators—I only manufacture incubator supplies. I have been an incubator specialist for 20 years—the only one in the world. When you get my book you will see how easy it is for you to build a high-grade, practical Incubator or Brooder, having many exclusive features (all in favor of the inexperienced operator) which are not found on any other make.

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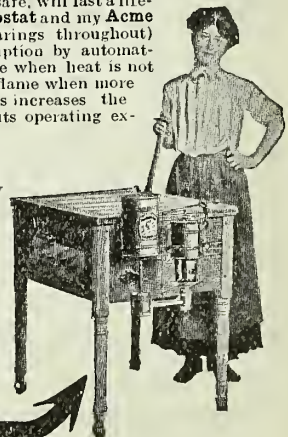
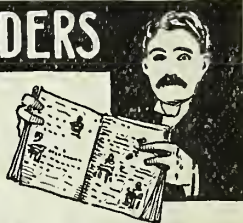
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Special Announcement.

The following prizes omitted from the premium list, are offered by the Bristol Poultry Association at its great show Dec. 16-19. By W. H. Cochrane, a silver loving cup for best pen of White Wyandottes. By the Association for best exhibit of Mottled Anconas, \$2.00 cash for best display of White Orpingtons.—W. H. COCHRANE, Sec.


Things Done Brown In Lebanon.

With twenty-three silver loving cups, numerous cash and other specials, the Wilson County Poultry Association at Lebanon, Tenn., will have a county show, Dec. 3-8, which will head any we have heard of. The premium list is one of the best we have seen this season; the articles in addition to the regular prize list etc., are a splendid innovation. They do things up brown at Lebanon.

Asheville In The Lead.

This month Asheville will start the ball to rolling with its second annual poultry show. The premium list is a full one, with an unusually large number of cups and specials, besides the regular cash prizes. Mrs. Campbell has certainly proven to be the right person in the right place. An unusual feature is the offer of a silver cup in each breed, awarded by points; first counting 5, second 3, third 2, fourth 1. THE INDUSTRIOUS HEN silver cup is offered for highest scoring pen in the show. Cups for each of highest scoring cock, hen, cockerel, and pullet. B. S. Davis, Charlotte, N. C., offers silver cup for Barred Rocks—must be won three times. The A. S. C. B. Leghorn Club will meet at Asheville this year. The Club cup is offered at this show, also two other cups for Brown Leghorns; and a silver cup offered by Mrs. C. B. Campbell, State Vice-Pres., for best display outside of Buncombe Co.. In addition club ribbons are offered by a number of specialty clubs. The Association, a fine hall and with H. E. Cain as Supt. the birds will be well cared for. Judge Marshall will place the ribbons.

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Founts that cannot be thoroughly cleaned breed disease. The BANTY is the most sanitary, practical, and convenient fount on the market. Heavy galvanized iron—made to last. Write for name of nearest dealer and circular giving opinions of prominent breeders. Made in three sizes.

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Larger, redder and better than ever before are the hundreds of chicks we reared this season, now ready for early shows. Large, vigorous Cockerels from winners, \$2.00 up.

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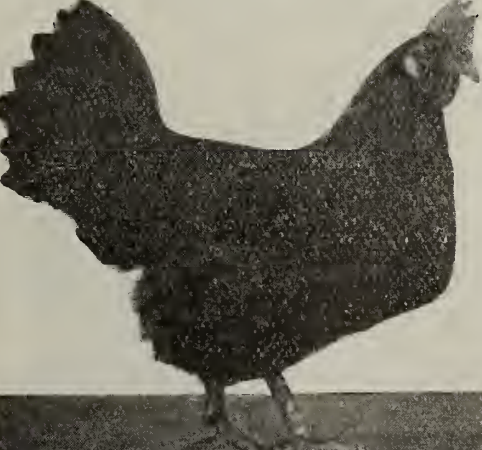
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"THE QUALITY LAYERS."

They have won the blue for years in the chief shows of the United States. They have this year won grand sweep-stakes in shows where Madison Square Garden winners were entered. No bird that I have sold for exhibition this season has failed to win a prize—and I have sold many. I have eight grand yards mated, from which to sell eggs for hatching. There are no better WHITE WYANDOTTES in the world—male or female—than the breeders contained in these yards. They are the result of fifteen years of close line-breeding and individual care.

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EVERLAY BROWN LEGHORN HEN WINNER AT CHICAGO '08

Shows of Associate Members of American Poultry Association.

The American Poultry Association special Grand Prize Silver Medals and Diplomas will be offered at the shows of all associate members. Competition open to the world.

Following is a list of these shows with dates and judges, as reported to the Secretary-Treasurer.

ARKANSAS. Waldron—J. F. Anderson, Sec., Dec. 10-11, 1908. Judge R. D. Davis.

CALIFORNIA. Fresno—Geo. R. Andrews, Sec. Dec. 16-19, 1908.

Los Angeles—S. E. Salisbury, Sec. Monrovia Oakland—C. G. Hinds, Sec. Alameda, Dec. 1-6, 1908. Judge M. S. Gardner.

San Diego—Geo. L. Badger, Sec.

San Jose—Chas. R. Harker, Sec., Nov. 11-14, 1908. Judge, Geo. D. Holden.

COLORADO. Colorado Springs—G. W. Veditz, Sec. Dec. 14-19, 1908. Judges, M. S. Gardner and C. W. Ellison.

Colorado Springs—G. W. Veditz, Sec. Colorado State Poultry Ass'n.

CONNECTICUT. Bridgeport—C. A. Wintzer, Sec. Dec. 9-11, 1908.

Hartford—F. O. Grosbeck, Sec. Jan. 26-29, 1909.

Meriden—W. H. Gough, Sec. Dec. 29, 1908-Jan. 1, 1909. Judges, J. F. Crangle and W. H. Card.

Shelton—David A. Nichols, Sec. Shelton Poultry Ass'n.

GEORGIA. Augusta—W. A. Herman, Sec. Nov. 2-7, 1908. Judges, T. E. Parish, C. W. Fowler and J. S. Jeffrey.

IDAHO. Payette—C. E. Dibble, Sec. Dec. 16-19, 1908. Judge, H. H. Collier.

ILLINOIS. Belvidere—E. L. Robertson, Sec. Jan. 25-30, 1909. Judge, Geo. D. Holden.

Bloomington—E. L. Howard, Sec. Dec. 30, 1908-Jan. 2, 1909. Judge, W. C. Pierce.

Bushnell—J. E. Stephens, Sec. Prairie City. Dec. 21-26, 1908. Judge, J. L. Todd.

Chicago—Fred L. Kimmey, Sec. Dec. 15-19, 1908.

Danville—C. S. Johnson, Sec. Dec. 28, 1908., Jan. 2, 1909. Judge, C. D. Holden.

Decatur—Chas. Keyes, Sec. Jan. 18-22, 1909. Judge, D. T. Heimlich.

Dixon—A. G. Hill, Sec. Jan. 25-30, 1909. Judge, Calvin Ott.

Elgin—W. W. Britton, Sec. Dec. 28, 1908-Jan. 2, 1909. Judges, Chas. McClave and Thos. Faulkner.

Morris—J. J. Brinckerhoff, Sec. Minooka. Morris Poultry Ass'n.

Ottawa—J. P. Gonigam, Sec. Jan. 4-9, 1909. Judge, J. M. Rapp.

Pana—O. A. Ewell, Sec. Jan. 20-26, 1909. Judge, Ben S. Myers.

Peoria—Dewey A. Seeley, Sec. Nov. 24-30, 1908. Judges, Jas. A. Tucker and W. E. Stanfield.

Polo—L. A. Beard, Sec. Feb. 1-6, 1909. Judges, F. H. Shellabarger and W. G. Warnock.

Rockford—Chas. S. Gilbert, Sec. Jan. 11-16, 1909. Judges, F. H. Shellabarger and D. T. Heimlich.

Sheldon—S. H. Potter, Sec. Sheldon Poultry Ass'n.

Zion City—C. W. Oakes, Sec. Jan. 6-9, 1909. Judge, Frank Heck.

INDIANA. Columbus—Karl Volland, Sec. Jan. 11-16, 1909. Judge, O. P. Greer.

Fort Wayne—P. A. Heller, Sec. Peoples Poultry and Pet Stock Ass'n.

Indianapolis—Wm. A. Stoltz, Sec. Feb. 1-5, 1909. Judges, J. A. Tucker, W. S. Russell and W. A. Pierce.

LaGrange—G. A. Gage, Sec. Jan. 5-8, 1909. Judge, Chas. McClave.

Petersburg—S. A. Medcalf, Sec. Dec. 14-19, 1908. Judge, W. C. Pierce.

Sheridan—John T. Richardson, Sec. Dec. 28, 1908-Jan. 2, 1909. Judge, S. B. Johnson.

Zionsville—Arthur Whitmore, Sec. Jan. 11-16, 1909.

IOWA. Cedar Rapids—O. W. Ilten, Sec. Jan. 25-30, 1909. Judges, W. S. Russell and J. A. Tucker.

Dows—J. L. Lee, Sec. Jan. 19-22, 1909. Judge, D. E. Hale.

Monroe—John Q. Vandermaast, Sec. Dec. 7-10, 1908. Judge, W. S. Russell.

Oelwein—Dr. F. D. Miner, Sec. Jan. 4-9, 1909. Judge, J. A. Tucker.

Randall—D. M. Anderson, Sec. Jan. 11-15, 1909. Judge, Geo. D. Holden.

Waterloo—C. J. Schneck, Sec. Dec. 14-19, 1908. Judge, A. B. Shaner.

KANSAS. Clay Center—M. B. Caldwell, Sec. Broughton. Dec. 16-19, 1908. Judge, C. A. Emry.

Garnett—Mrs. J. L. West, Sec. Eastern Kansas Poultry Ass'n.

Hutchinson—A. C. Rasar, Sec. Dec. 14-19, 1908. Judges, J. J. Atherton and C. A. Emry.

Emporia—F. H. Good, Sec. Lyon Co. Poultry Ass'n.

Lawrence—John Manwaring, Sec. Nov. 19-21, 1908. Judge, C. H. Rhodes.

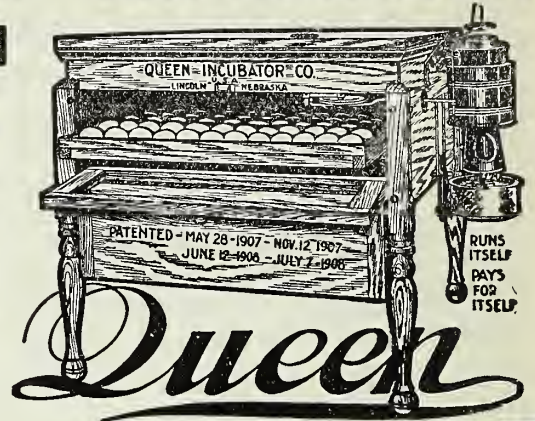
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How to hatch the eggs you set, and raise the chicks you hatch is the help I can give every poultry raiser who reads this advertisement and will write for my **Free Queen Incubator Book**

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Barred Rocks, White Rocks, White Wyandottes, Brown Leghorns, White Leghorns. 500 Pigeons for sale. Write for prices, etc.

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Leavenworth—Fred T. Nye, Sec. Feb. 2-5, 1909. Judge, C. H. Rhodes.

McCune—H. I. Dolson, Sec. McCune Poultry Ass'n.

Newton—Thomas Owen, Sec. Jan. 4-9, 1909. Judges, B. A. Stoner, F. L. Shaw and J. J. Atherton.

Parsons—J. P. McDown, Sec. Dec. 7-12, 1908. Judge, E. C. Branch.

Pittsburg—S. T. Seabaugh, Sec. Dec. 16-19, 1908. Judge, R. L. Castleberry.

Topeka—W. H. Maxwell, Sec. Topeka Poultry Breeders Ass'n.

KENTUCKY. Bowling Green—W. F. Johnson, Sec. Dec. 26-30, 1908. Judge, S. T. Campbell.

Lexington—Frank L. Smith, Sec. Jan. 4-8, 1909. Judge, J. H. Drevestadt.

Louisville—Wm. C. Cawthorn, Sec. Jan. 11-16, 1909. Judges, R. E. Jones, U. R. Fishel and Geo. Ewald.

MARYLAND. Berwyn—Berwyn Poultry Ass'n.

Hagerstown—W. F. Spahr, Sec. Oct. 13-16, 1908. Judges, Geo. O. Brown, J. H. Drevestadt, Wm. J. Stanton and others.

MASSACHUSETTS. Boston—W. B. Atherton, Sec. Jan. 12-16, 1909.

Cummaquid—Henry C. Davis, Sec.

MICHIGAN. Adrian—Frank V. Judson, Sec. Dec. 8-14, 1908. Judges, C. E. Cram, and J. W. Mulinix.

Allegan—Carl H. Allen, Sec. Jan. 6-9, 1909. Judge, H. A. Emmel.

Coldwater—A. J. Skinner, Sec. Jan. 5-8, 1909. Judges, Frank Heck and J. W. Mulinix.

Croswell—Irvin S. Niles, Sec. Jan. 6-9,

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Genuine Northup stock. Raised on free range and are strong and vigorous. Always win a majority of best prizes wherever and whenever shown. A choice lot of young stock and a few yearling hens for sale.

Eggs for hatching at all seasons.

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Rose Comb Rhode Island Reds

Only won 27 Ribbons and 2 Silver Cups last 3 shows. Choice breeders at Bargain Prices. Eggs half price.

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1909. Judge, Frank W. Traviss.
 Detroit—John Tomlinson, Sec. Jan. 9-14, 1909. Judges, C. McClave, J. W. Mulinix and Mr. Minshall.
 Dowagiac—A. A. Howe, Sec. Dec. 1-5, 1908. Judge, Jas. A. Tucker
 Grand Rapids—A. M. Nichols, Sec. Jan. 29-Feb. 3, 1909. Judge, J. A. Tucker.
 Jackson—Chas. P. Orwick, Sec. Dec. 14-19, 1908. Judges, O. L. McCord, H. H. Coburn and W. A. Gibson.
 Lansing—J. A. Turner, Sec. Jan. 2-7, 1909. Judge, J. A. Tucker.
 Port Huron—Robert S. Taylor, Sec. Jan. 20-23, 1909. Judges, Calvin Ott, F. W. Traviss and W. M. Wise.
 Saginaw—Albert Bero, Sec. Jan. 13-17, 1909. Judge, F. W. Traviss.
 Sault Ste. Marie—L. Frank Cleveland, Sec. Feb. 8-13, 1909. Judge, W. C. Denny.
 South Haven—J. L. Bonar, Sec. Nov. 20-Dec. 4, 1908. Judge, J. A. Tucker.
 MINNESOTA. Albert Lea—F. A. Kappel, Sec. Jan. 4-9, 1909. Judge, C. H. Rhodes.
 Minneapolis—Chas. O. Johnson, Sec. Jan. 13-20, 1909. Judge, Geo. D. Holden, D. E. Hale and W. C. Ellison.
 New Ulm—Fred Seiter, Sec. Jan. 22-26, 1909. Judge, D. L. Hale.
 Owatonna—Wm. A. Kubat, Sec. Dec. 17-23, 1908. Judge, Geo. D. Holden and Ralph Whitney.
 Stewartville—L. G. Tubbs, Sec. Dec. 4-8, 1908. Judge, Geo. D. Holden.
 St. Paul—H. J. Goette, Sec. The Minnesota Fanciers Ass'n.
 Windom—A. D. Nelson, Sec. Southern Minn. Poultry Ass'n.
 MISSOURI. Columbia—B. F. Dinwiddie, Sec. Jan. 12-16, 1909. Judge, E. C. Branch.
 Concordia—John F. Burns, Sec. Nov. 18-21, 1908. Judge, E. C. Branch.
 Kansas City—P. H. DePree, Sec. Jan. 11-15, 1909. Judges, Chas. V. Keeler, Chas. H. Rhodes, Thos. W. Southard and A. O. Schilling.
 Slater—T. E. Quisenberry, Sec. Dec. 8-12, 1908. Judges, C. H. Rhodes, Adam Thompson and Thos. F. Rigg.
 St. Louis—T. W. Orcutt, Sec. Nov. 23-28, 1908. Judges, D. E. Shove, T. M. Campbell and John Hettich.
 St. Louis—C. A. Morton, Sec. St. Louis Fanciers Ass'n.
 MONTANA. Butte—J. L. Dorch, Sec. Dec. 15-18, 1908.
 Great Falls—V. J. Babcock, Sec. Jan. 4-7, 1909. Judge, Geo. D. Holden.
 NEBRASKA. Lincoln—Luther P. Ludden, Sec. Jan. 18-23, 1909. Judges, C. H. Rhodes, F. H. Shellabarger and Adam Thompson.
 NEW JERSEY. Dover—W. H. Bidgood, Sec. Nov. 23-28, 1908. Judges, J. H. Drevendstedt and W. J. Stanton.
 Rutherford—A. A. Winkler, Sec. Jan. 17-19, 1909.
 NEW YORK. Auburn—G. J. Fellner, Sec. Dec. 14-19, 1908. Judges, W. F. Brance, H. P. Schwab and S. Butterfield.
 Buffalo—Buffalo Poultry, Pigeon and Pet Stock Ass'n.
 Elmira—Harry H. Hayes, Sec. Jan. 5-8, 1909.
 Ithaca—Cornell University Poultry Ass'n.
 New York—Henry V. Crawford, Monclair, N. J., Sec. Dec. 29, 1908-Jan. 2, 1909.
 Richard Hill, L. I.—Chas. M. Smith, Sec. Nov. 17-21, 1908. Judges, J. H. Drevendstedt, W. J. Stanton and C. H. Ellard.
 Schenectady—Rev. R. B. Robbins, Sec. Ballston Lake. Dec. 8-12, 1908.
 White Plains—J. Douglas Harcomb, Sec. Hartsdale. Westchester Co. Poultry, Pigeon and Pet Stock Ass'n.
 NORTH CAROLINA. Charlotte—E. G. Wardin, Sec. Jan. 16-20, 1909. Judges, R. L. Simmons and J. S. Jeffrey.
 OHIO. Akron—J. W. Gauthire, Sec. Jan. 18-23, 1909. Judges, Frank Heck and E. T. DeGraff.
 Athens—W. C. Hoodlet, Sec. Jan. 19-23, 1909. Judge, A. B. Shaner.
 Cambridge—Kames Cook Sarchet, Sec. Jan. 27-30, 1909. Judge, Chas. McClave.
 Cincinnati—Julius Friedeborn, Sec. Jan. 12-16, 1909. Judges, Chas. McClave, S. T. Campbell and others.
 Cleveland—T. J. Conkey, Sec. Jan. 25-30, 1909. Judges, Chas. McClave, Thos. S. Falkner and M. S. Gardner.
 Defiance—W. O. Stever, Sec. Jan. 13-16, 1909. Judge, A. F. Kummer.
 East Liverpool—J. F. Groscross, Sec. Dec. 28, 1908-Jan. 2, 1909. Judge, W. C. Pierce.
 Findlay—E. K. Smith, Sec. Dec. 15-19, 1908. Judges, S. T. Campbell and Mr. Long.
 Lima—Edward Hesler, Sec. Jan. 4-9, 1909. Judge, F. W. Traviss.
 Marietta—Chas. E. Sturgiss, Sec. Ohio Valley Poultry Ass'n.
 Mt. Vernon—Geo. E. Brown, Sec. Cambier. Nov. 30-Dec. 4, 1908. Judge, Eugene Sites.
 Tiffin—V. Crabtree, Sec. Jan. 11-16, 1909. Judge, Newton Cosh.
 Toledo—L. C. Taylor, Sec. Gibsonburg.


Jan. 19-26, 1909. Judges, J. A. Tucker, W. E. Stanfield, Chas. McClave and J. W. Mulinix.
 Youngstown—Geo. B. Miller, Sec. Jan. 11-16, 1909. Judges, W. E. Stanfield and J. E. Gault.
 Warren—E. P. Sabin, Sec. Nov. 24-27, 1908. Judge, I. K. Felch.
 Zanesville—Geo. F. Woodruff, Sec. Jan. 20-23, 1909. Judges, S. T. Campbell and G. R. Haswell.
 OKLAHOMA. Anadarko—John Pfaff, Jr., Sec. Jan. 12-16. Judge, Adam Thompson.
 Enid—J. A. Taggart, Sec., Waukomis. Jan. 4-9, 1909. Judge, H. B. Savage.
 Guthrie—E. B. Henry, Sec. Jan. 11-16, 1909.
 Oklahoma City—H. H. Hawley, Sec. Jan. 18-24, 1909. Judges, O. L. McCord and M. S. Fite.
 Sand Creek—C. L. Bickerdike, Sec. Dec. 9-12, 1908. Judge, C. A. Emry.
 Shawnee—Mrs. J. B. Roe, Sec. Jan. 25-30, 1909. Judges, T. M. Campbell and J. W. Mulinix.
 Stillwater—Robt. L. Lowry, Sec. Jan. 4-9, 1909. Judge, H. B. Savage.
 Sulpher—R. E. Scarbrough, Sec. Dec. 7-12, 1908. Judge, R. D. Davis.
 Wynnewood—F. J. Stowe, Sec. Dec. 14-19, 1908. Judge, R. A. Davis.
 PENNSYLVANIA. Allentown—H. B. Schall, Sec. Sept. 22-25, 1908. Judges, F. B. Corey, J. F. Kirkpatrick, W. B. Atherton and others.
 Beaver—L. B. Hindman. Dec. 16-19, 1908. Judge, Theo. Wittman.
 Bradford—J. W. Johnson, Sec. Jan. 18-23, 1909.
 Cannonsburg—Geo. G. McPeake, Sec. Jan. 4-9, 1909. Judge, A. F. Kummer.
 Pittsburg—G. C. Sutch, Sec. Jan. 22-27, 1909. Judge, W. C. Denny.
 Washington—Dr. Geo. W. Boone, Sec. Jan. 4-9, 1909. Judge, A. F. Kummer.
 SOUTH CAROLINA. Charleston—P. A. Robertson, Sec. Dec. 8-11, 1908. Judge, G. O. Brown.
 Greenville—W. P. Stewart, Sec. Jan. 12-15, 1908. Judge, J. H. Drevendstedt.
 SOUTH DAKOTA. Mitchell—Wm. Scallin, Sec. Jan. 25-31, 1909. Judges, Chas. V. Keeler and D. E. Hale.
 Spearfish—E. B. Rohrer, Sec. Feb. 2-5, 1909. Judge, D. T. Heimlich.
 TENNESSEE. Clarksville—Chas. C. Naive, Sec. Dec. 15-18, 1909.
 Nashville—Benj. D. Hill, Sec. Dec. 8-12, 1908. Judges, Thos. S. Falkner, Chas. McClave and Geo. Ewald.
 Nashville—Tenn. State Fair Poultry Ass'n.
 UTAH. Salt Lake City—C. J. Sander, Sec. Jan. 25-30, 1909. Judge, D. T. Heimlich.
 WASHINGTON. Clarkston—W. E. Clark, Sec. Feb. 2-6, 1909. Judge, W. C. Denny.
 Tacoma—Seth W. Geer, Sec. Jan. 5-10, 1909. Judge, G. H. Northup.
 WEST VIRGINIA. Smithfield—H. G. Weaver, Sec. Dec. 15-17, 1908. Judge, Wick Hathaway.
 Wheeling—Thos. S. Meek, Sec. Jan. 18-23, 1909. Judge, S. T. Campbell.
 WISCONSIN. Fond du Lac—E. R. Zam-zow, Sec. Jan. 6-9, 1909. Judge, Calvin Ott.
 Marinette—L. C. Wemple, Sec. Feb. 4-8, 1909. Judge, W. S. Russell.
 Milwaukee—Thos. Koss, Sec. Jan. 12-17, 1909. Judges, Ira C. Keller and Thos. S. Falkner.
 Oshkosh—James F. Irvine, Sec. Jan. 16-22, 09. Judges, D. E. Hale and J. A. Tucker.
 ONTARIO. Brantford—Jas. L. McCormack, Sec. Jan. 3-7, 1909.
 Hamilton—J. R. Weston, Sec. Nov. 10-14, 1908. Judges, S. Butterfield and G. White.
 London—John Doidge, Sec. London Poultry and Pet Stock Ass'n.
 Prince Edward Island—A. A. Raoli, Sec. Jan. 14-15, 1909.
 HAWAII. Honolulu—J. J. Greene, Sec. Jan. 13-16, 1909.

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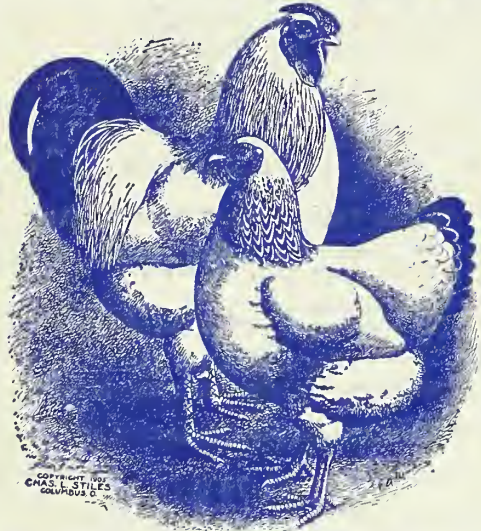
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