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JUNE, 1913

Vol. IV

No. 8

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AMERICAN POULTRY PUBLISHING COMPANY
BUFFALO, N. Y., U.S.A.

AMERICAN POULTRY WORLD

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AMERICAN POULTRY PUBLISHING
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American Poultry Publishing Company

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E. D. CORSON.

GEO. E. FITZSIMMONS, Notary Public.

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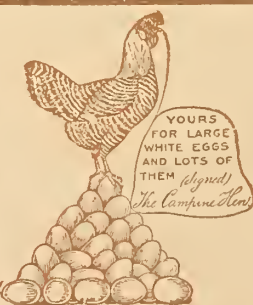
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Readers will find in this issue many interesting and seasonable articles covering various subjects that will interest both the fancier and the practical poultry raiser.

The first is an article on Bantams entitled "Improving Cochin Bantams in America", by A. O. Schilling. Mr. Schilling's long and successful career as a breeder of high class Cochin Bantams, places him in a position to write intelligently on the subject and his article should not only be helpful to the beginner with these miniature fowls but also furnish many valuable suggestions to the older breeder. Comments are made on English types as compared to American and the type and color questions are handled in a manner that should give breeders a clear understanding as to standard requirements on these two important points. Several attractive illustrations including a full page plate of Bantams accompanying the article.

H. L. Kempster, Professor of Poultry Husbandry, University of Missouri, gives a detailed account of poultry conditions in Missouri. To those readers who are not familiar with the fact, we will say that according to latest statistics, Missouri leads the United States as a producer of poultry products. Owing to Mr. Kempster's position, he is in close touch with poultry affairs in the state and he tells of existing conditions and also shows where there is much room for improvement.

An article that should prove of value to all readers, be they poultry breeders or not, is "Methods of Preserving Eggs". This article gives several simple formulas for laying down eggs so that a supply of practically fresh eggs may be assured during the time of high prices.

Every now and then some new breed makes a bid for popularity, this time it is the White Faverolles and Mr. Drevenstedt has supplied an article that gives a complete description of this French table fowl and tells of their good points and their draw-backs.

The next article covers the first six months of the two great egg laying contests. It is by O. Wilson, who has drawn some very interesting comparisons on the showing made so far in the second contest, as compared with a corresponding period of the first.

We are often asked: To what use other than incubation can duck eggs be put? A very complete and comprehensive answer to the question is supplied in the article by C. S. Valentine. This is an unusually interesting article and should serve to dispel the doubt that exists with many people as to the value of duck eggs. We believe that the laying varieties of ducks would be more generally bred if people were convinced that there was a good market for their product.

In a second article by Mr. Drevenstedt, he takes as his subject; "The summer management of breeding stock". This is an intensely interesting topic and should be welcomed by a majority of readers, as it gives in a concise manner many things to be observed to insure the successful management of the breeding birds during the summer

months. Many breeders do not realize how much depends upon their future success by giving the proper attention to the fowls at this season of the year. This article should give them many valuable pointers.

The success of any publication depends to a great extent upon the amount of co-operation that exists between it and its subscribers. The publishers of AMERICAN POULTRY WORLD realize that the co-operation of its readers has been a large factor in building up and placing the paper on a solid foundation, and we wish to take this opportunity to thank each and everyone who has contributed their support.

The subscription campaign will begin in earnest in a few weeks and we solicit the further co-operation of every reader in helping us to increase our already large circulation. If every subscriber would send in one new subscriber, our circulation would double in the next six months. The increase would not only be a benefit to us but would help our readers as well, as it would put us in position to increase the value of the paper and to supply a larger amount of interesting and trustworthy information each month. Send us one or more new subscribers—we will pay you well for your trouble.

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With the approach of the fall fair season, we desire to secure the services of a live and wide awake representative in every locality in the United States where an agricultural fair is to be held. We have a very liberal proposition to make to workers, one that will permit them to make from \$3 to \$10 per day, depending upon how hard the work is pushed. There is plenty of good territory open, but only one agent will be appointed in each locality, therefore you should make application and secure terms immediately if you wish to have one or more fairs reserved for you.

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In the past we have had many inquiries for a reliable treatise on feeds and feeding and we are pleased to announce that we are now able to supply a book entitled "Poultry Foods and Feeding", that covers the subject in a comprehensive manner. It is written by Duncan Forbes Laurie, poultry expert to the South Australian Government. Mr. Laurie apparently recognized that to meet the demand for a book of this description and to make it valuable to novice and expert alike, that it must be written in simple and understandable terms, therefore, he has divided the book into two parts. Part one being expressed in all elementary style that the average reader can easily understand and follow. Part two is for the student and those who desire to probe deeper into the science of feeding.

The book is attractively bound in a handsome blue cloth binding with gold and white letters. Consists of 200 pages 5 3/4 x 8 1/4. The price is \$1.00 per copy, postpaid, or it will be sent as a premium to those sending in four yearly subscriptions at 50 cents each.

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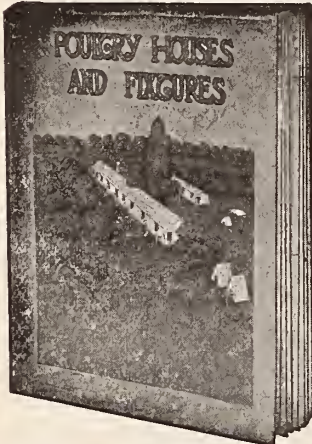
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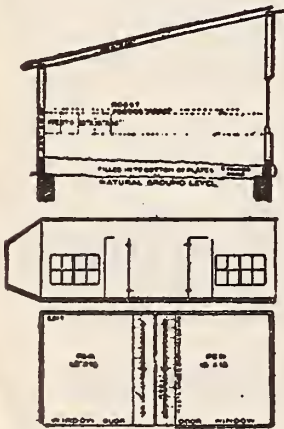
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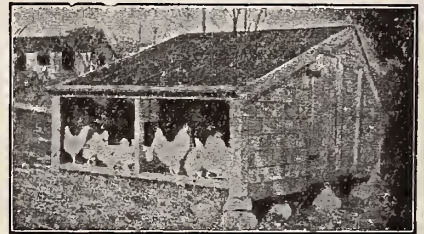
Specimen Poultry House Diagram (Much Reduced.)

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Scratching Shed Houses: Poultry House and Scratching Shed. House for Southern Breeders. Scratching Shed Colony House. Roosting Room and Scratching Shed. House for Two Flocks. House for One Flock. A Tennessee Poultry House. Scratch Shed and Brooding House. Maine Experiment Station Curtain Front House. Farm-Poultry House. Maryland Curtain Front House. Cloth Filled Frames in Place of Glass Windows. A Village



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4	5	3	5	
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American Poultry World, 158 Pearl Street, Buffalo, N. Y.



A. O. Schilling 1913

Thirty-six distinct varieties of Game and Ornamental Bantams are recognized in American Standard of Perfection, but this number is not more than 50 per cent. of the breeds and varieties in existence throughout the different countries of the world. In the above picture are represented a few of the breeds popular in America. Each specimen has been a winner either at Boston, New York or Rochester, and represents the results of extreme types and what fanciers' skill has accomplished. Bantam breeding requires skill and training and is the source of much recreation, pleasure and profit to numerous fanciers throughout the country, and no doubt many a prominent poultryman can recall when the first seeds of the "poultry fever" were planted during the early youth, or even later years. Reading from left to right the specimens shown represent a Black Tailed White Japanese hen, White Japanese hen, Silver Sebright cock, Black Cochon Bantam cock and hen, White Cochon Bantam hen, Silver Duckwing Game Bantam cock and hen, Red Fyle Game Bantam cock, White Rose Comb hen in rear near entrance to house, and Light Brahma hen and White Bearded Polish hen in far distance of picture. —A. O. Schilling.

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IMPROVING COCHIN BANTAMS IN AMERICA

PART I.

COCHIN BANTAMS THE MOST POPULAR BREED IN AMERICA, ACCORDING TO SHOW REPORTS. POPULARITY OF A BREED DEPENDENT UPON CORRECT AND NATURAL STANDARD REQUIREMENTS. ENGLISH FAD FOR EXTREMELY SMALL BIRDS CAUSE OF WANING POPULARITY IN ENGLAND. SHAPE AND FEATHER MOST IMPORTANT QUALITIES TO CONSIDER WHEN BREEDING OR JUDGING COCHIN BANTAMS. STANDARD BUFF COLOR DESCRIBED FROM AN ARTIST'S STANDPOINT. IMPORTANCE OF SYMMETRY AND LOOSENESS OF FEATHER. FACTS ABOUT BREEDING FOR BUFF COLOR. IMPORTANCE OF LINE BREEDING. HOW TO IMPROVE VITALITY OF A STRAIN

BY A. O. SCHILLING



HERE are several reasons why Cochin Bantams are the most popular breed in the Bantam fancy of America, and why this popularity is increasing from year to year. Judging by the official report of the American Poultry Association on separate breed Standards, 1,731 specimens were exhibited at such shows which were reported to Secretary S. T. Campbell of the American Poultry Association

during the months from October 1st, 1910, to March 1st 1911. The following year's report shows a decided increase in specimens exhibited during the same period of the season of 1912, with 2,131 entries, an increase of about twenty per cent. These facts and figures should be very encouraging to admirers of the attractive miniature of the Cochin for it proves that their beauty and redeeming qualities are being recognized very rapidly.

FIRST EXPERIENCE IN BREEDING BANTAMS

My first experience in the breeding of Cochin Bantams began during my boyhood days and I have never been without them since. From that time on, I have had a varied experience and the the pathway of my early fancies was strewn with joys and sorrows, disappointment as well as pleasant surprises, therefore judging from my twenty years' experience in breeding fancy poultry, and Cochin Bantams have always been my first choice and hobby, I hope to be able to set down a few facts and helpful hints to those who may be just starting the breeding of their pets, no matter whether it be for pleasure or for profit.

BREEDING OF BANTAMS PROFITABLE

Bantams can be bred for profit as well as pleasure.

Numerous examples can be mentioned where the sale of stock and eggs amounted to many hundred dollars during the season. Choice specimens for show purposes have been sold for very high prices in both England and America, and in several instances specimens have brought from fifty to two hundred dollars each. The average price for good stock generally ranges from five to twenty-five dollars, according to quality. Good specimens are often sold much cheaper, but I believe as our good old friend,

John Glasgow, often said, "A bird that is not worth \$5.00 is not worth breeding from and the hatchet should be used freely."

SUCCESS OF A BREED DEPENDS UPON PROPER STANDARDS

The future and destiny of a breed is entirely dependent upon the fads and fancies of the breeder, and oftentimes standards have been set which destroys its popularity and sends the breed into oblivion. This, however, is not true of the Cochin Bantam in America today, for the breed has had a wonderful progressive development in the last fifteen years. This is due mainly to correct and careful judgment in Standard requirements. To illustrate what danger may be brought upon a breed and how progress may be retarded, attention is called to the position held by the Cochin Bantams in England. The English Standard demands a very small bird, one too small to be useful. This requirement reduces the vitality and lessens the wealth of feather so much admired in the perfect Cochin Bantam on this side of the water. The result is that England has but few if any good Buff Cochin Bantams, while Blacks are not much better situated. Whites of high quality are produced in England while the Part-ridge variety is seldom seen.



FIRST PRIZE BLACK COCHIN BANTAM COCKEREL
CHICAGO SHOW DEC. 1912, BRED AND OWNED BY
WAHEBE BANTAM YARDS CINCINNATI OHIO.

Cochin Bantams at Chicago Show were a grand exhibit in themselves and among the winners we found some very excellent specimens in the Buff, Black and White varieties. Wahebe Bantam Yards, Cincinnati, Ohio, are extensive breeders of the four varieties of Cochin Bantams and their show record proves that they have some excellent quality stock. The Black Cochin Bantam cockerel shown above was one of the stars in the exhibit and had excellent type and color. We have personal knowledge that their Buffs contain some of the oldest and best blood lines in existence today, while their Whites were considered equal to the best of their kind.—A. O. Schilling.

It is always wise to profit by the experience of your neighbors when you can, and the waning popularity of the Cochin Bantam in England is a good example of what is due to an incorrect interpretation of an ideal that can not be continued without defying nature's laws. Judges in America have often awarded the prize of honor simply because the specimen was a very small bird, but our Standard definitely states, "the specimen nearest the Standard weight should receive preference". It is not my intention to convey to the reader the impression that I am in favor of large birds, not in the least. What I do especially advise for breeding, is the selection of good healthy specimens that have an abundance of full plumage and when selection is made with this object in view, the real small specimens will naturally be left out, as they never have the wealth of plumage that healthy and normal sized Bantams would have.

Don't be afraid to in-breed your flock. I say this with all emphasis and confidence. In-breeding has done wonders when carried on judiciously. We have done it successfully with large breeds as well as Bantams, and I venture to say that a continuous successful exhibition career cannot be carried on for over three or four consecutive years unless you do line-breeding and rely upon the produce of your own breeding yards. I have known breeders who buy each year from anywhere and anyone having a bird fit to win in hot competition, but such methods have proven disastrous and unreliable, as there is never a certainty of the results of your mating, and consequently it is generally necessary to buy winners each season, if a show record is to be maintained. If you buy from a certain strain of breeding stock, stick to that strain and go to the foundation when you need new blood. You should never need new blood for vitality if you get started with healthy stock in the beginning and if you use care and judgment in the selection of your breeders. Years ago our strain of Buff Cochin Bantams was less vigorous than they are today, but the health and vigor which they now possess, was only the result of care in the selection of our breeders, from the male side especially.

Despite the above fact, it is rather disappointing after one has been laboring for years to produce a high class specimen, to loose this individual, sometimes from sickness or lack of stamina, or various other causes. I can recall several wonderful specimens that we have produced, the like of which only appear "in cycles", as E. B. Thompson, the noted Barred Plymouth Rock breeder says. One may produce good ones to a fair percentage of a season's breeding, but one or two of them are always the ideals of a fancier's dream, while the others are considered good ones and hard to beat. These exceptional specimens are the ones to bank upon for the advancement and improvement of your strain. When you have paid attention to stamina and vigor, you have a fair chance to win out in using such a specimen as a breeder, therefore I repeat "be careful in the selection of healthy, vigorous stock for your breeding yards."

THE DEVELOPMENT OF COCHIN BANTAMS

In order to cover the subject of mating Cochin Bantams

in a thorough manner, it will be necessary to give a short history of the development in quality of the most popular varieties as they are found in this country up to the present time. There are seven distinct varieties of Cochin Bantams, namely; Buff, Black, White, Partridge, Cuckoo, Blue and Spangled. The last three named varieties are very seldom seen in this country, while in England one may find them occasionally at the various shows. During my travel abroad, I saw a few very interesting Spangled and Blue



We have never seen a better Partridge Wyandotte Bantam Cock in England or America than the specimen shown to the left in the above picture. He is owned by Hugh A. Rose, Welland, Ont., who owns the largest and best stud of this beautiful breed in America today. To the right side of picture is shown Richard Oke's Black R. C. Bantam cockerel, winner of first at Boston last winter and to our mind, he was truly a wonderful specimen, having excellent length of sickle, beautiful color and a very good lobe and comb.—A. O. Schilling.

Cochin Bantams shown at some of the late English shows. The Cuckoo color type while not so popular as the White, Buff or Black in America is often shown with good quality in both England and Germany. Germany especially is producing Cuckoo colored Cochins of high quality and I have also seen a few very good ones exhibited in Canada.

Beginning with Buffs, the most popular of all the varieties, recalls to memory the time when a rich golden colored male, with a sound wing was a rarity and considered a wonder, even at such shows as Madison Square Garden. A comparison of the winners of those days with the choicest specimens produced at the present time is indeed very interesting. There were two types in existence then, the winning type being rather small, having good surface color, but lacking in shape and feather, usually showing some white in wing feathers. The other type was the old fashioned short legged, long feathered kind having red wing bows and very heavy foot feathering. This was the type we began with, and it occurred to me then that the quality most needed in Cochin Bantams was type and feather. To obtain the present high standard in Buffs which we now have, it was necessary to stick to type at all costs and improve the color gradually by selection and careful breeding from the produce of the old fashioned long feathered red wing birds then in existence. Therefore, I advise breeders to stick to shape, and not hesitate to discard a good surface colored bird which does not possess good cushion or correct Cochin shape with an abundance of plumage. Color alone should not justify one to use a poor shaped specimen as a breeder.

IMPORTANCE OF COLOR

Buff Cochin Bantams are sure to continue improving as they have in the past, for good birds are now to be found at almost any show in any part of the country. Another point of very great importance is selecting the correct shade of buff as your ideal. There should be but one ideal for all breeders and judges, and the easiest way to bring about a universal understanding as to the correct or ideal buff color is by discussion in the poultry press, and a study of the best specimens at the leading shows. Buff as the average person understands it, may be of various shades of color, but there is only one shade of buff today which should be considered ideal. I have studied this color in most of the popular breeds of poultry and there is one shade of buff which is of a tint that has proven to be the correct and natural color, and it can be produced by single mating in both male and female. The following word description is, as near as I am able to explain what is

[Continued on page 709]

POULTRY CONDITIONS IN MISSOURI

SOME FACTS AND FIGURES THAT APPEAR TO INDICATE THAT MISSOURI HAS UNUSUAL ADVANTAGES FOR POULTRY CULTURE. NATURAL CONDITIONS AND NOT ORGANIZATION RESPONSIBLE FOR MISSOURI'S GOOD SHOWING. FARMERS' WIVES REALIZE FROM \$200 TO \$3,000 PER YEAR FROM POULTRY. MARKETING CONDITIONS VARIED. LARGE POULTRY FATTENING ESTABLISHMENTS IN PRINCIPAL CITIES. EGG MARKETING CONDITIONS OPEN TO IMPROVEMENT. SYSTEM OF BUYING AT FAULT. FACILITIES FOR MARKETING FIRST CLASS

BY H. L. KEMPSTER

Professor of Poultry Husbandry, University of Missouri



URING the last few years poultry conditions in the United States have undergone a remarkable change. Probably at no time in the history of the country have we experienced as great interest in poultry raising, either on the general farm or on a commercial scale. Occasionally you hear people saying that the markets will be flooded with good poultry products, and yet each year has seen a

gradual increase in prices. An investigation of the meat supply of the country quickly explains the reason for this increase, and also the necessity for greater interest in poultry culture. The Census for 1910 shows the following interesting figures regarding our sources of meat supply:

Cattle have decreased in number 8.7 per cent.; Swine have decreased in number 7.4 per cent.; Sheep have decreased in number 14.7 per cent.; while Poultry has increased 17.0 per cent.

From an economic standpoint it is essential that poultry as a source of meat supply should increase to make up for the decrease in the other sources. While Poultry has increased in number 17.0 per cent.; Turkeys have decreased in number 44.0 per cent.; Ducks have decreased in number 39.0 per cent. and Geese have decreased in number 21.0 per cent. Thus while our total production of poultry has increased practically one-fifth, we are raising only three-fifths as many turkeys and practically three-fifths as many geese. The total number of fowls has increased 20 per cent. while their value has increased from \$136,800,000 in 1899 to \$202,500,000 in 1900. The increase in value thus has been in greater percentage than the numerical increase. It is interesting to note, also, that the increase in the production of eggs during the last ten years has been 23 per cent., showing that the production per hen, as well as the number of hens, has increased.

In order to get a satisfactory idea of poultry conditions in Missouri as compared with the rest of the country, it is necessary to glance over some statistics relative to poultry conditions in the United States. The government census indicates that the average number of fowls per farm is 86; the average value of the bird is 52 cents; the average number of eggs produced on each farm is 282 dozen; the average price per dozen is 19

cents, while the average income per farm from eggs is \$53.58. Adding to that the income from poultry on the farm, the average income from the general farm in the United States is \$98.50.

In the West North Central States, including Minnesota, Iowa and Missouri, North Dakota, South Dakota, Nebraska and Kansas, the average number of fowls per farm is 122; the average value per chicken is 42 cents; the average number of eggs produced is 440 dozen; the average price per dozen is 17 cents, while the average income from each farm from eggs alone is \$74.80. Adding to this the income from the poultry as meat, the average income from the farm in the West North Central States is \$126.40, while the average income from the general farm in the United States is practically \$27.00 less.

In Missouri we find that the average income per farm is \$150.00, making the average income from the general farm in the United States \$51.50 less than the average income from the general farm in Missouri.

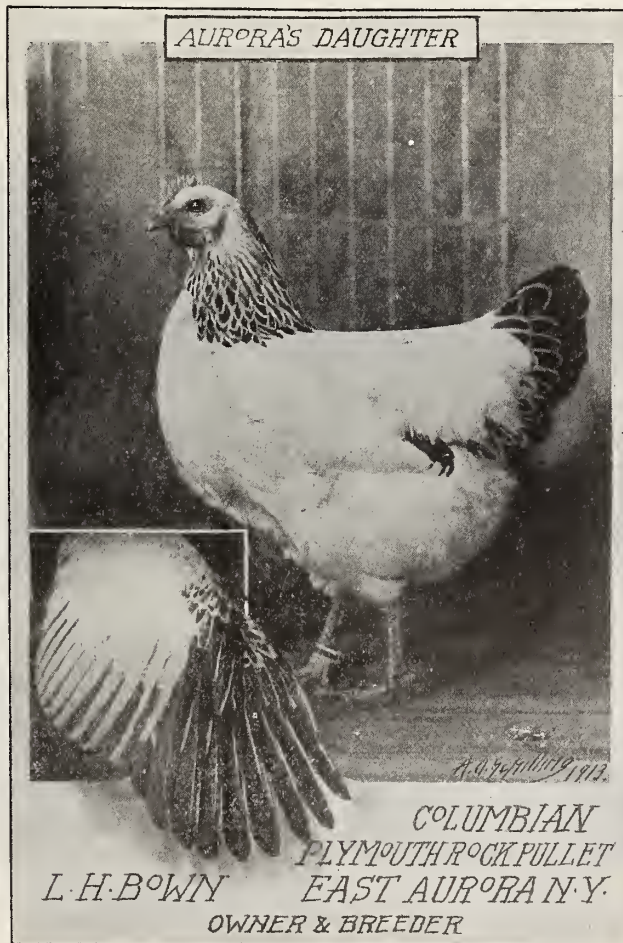
A glance at these figures indicates that Missouri must have unusual advantages for poultry culture. The writer has been unable to ascertain the actual number of birds kept on the Missouri farm, but information given by students who have been in the poultry department indicates there is an average of 180 chickens per farm in this state.

CONDITIONS FAVORABLE FOR POULTRY RAISING

No attention has been paid by anyone in Missouri to organization for building up the poultry business. It has reached its present status simply because of the natural conditions which favor poultry culture and because those who undertook the raising of chickens found it profitable. Poultry thrives best in well-drained sections where there is a long growing season, and abundance of clean water, insects which furnish animal food, and a good supply of gravel and grit.

From the standpoint of climate, Missouri is very favorably adapted. It is far enough south to escape the long, bleak winters of the north and yet far enough north to miss the protracted hot summers of the south. Periods of extremely cold or hot temperature rarely occur, the thermometer scarcely ever dropping lower than five or ten degrees below zero. In the summer the temperature occasionally reaches ninety or ninety-five degrees

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Among the latest productions of the American fancier's art is the Columbian Plymouth Rock, possessing the beautiful color type of the light Brahma. When Columbian Plymouth Rocks made their first appearance at the shows they lacked in clean cut lacing on hackle and tail coverts; the wings also failed in this respect. Since then rapid progress has been made in producing specimens carrying this beautiful feather pattern; many specimens equaling the best Light Brahma in this respect. The pullet shown in the above illustration has a wonderful clean cut hackle, well-laced tail coverts and a wing that closely approaches perfection. She was produced and is owned by L. H. Bown, East Aurora, N. Y., originator of the Aurora Strain Columbian Plymouth Rocks.—A. O. Schilling.

METHODS OF PRESERVING EGGS

SEVERAL SUCCESSFUL METHODS OF PRESERVING EGGS DESCRIBED. BY SECURING A SUPPLY OF EGGS WHILE PRICES ARE LOW AND MAKING USE OF ONE OF THE DESCRIBED METHODS OF PRESERVING, IT IS POSSIBLE FOR ANYONE TO BE WELL SUPPLIED WITH FIRST-CLASS COOKING EGGS ALL DURING THE PERIOD OF HIGH PRICES. WATER GLASS UNDOUBTEDLY THE BEST PRESERVATIVE, LIME AND SALT, PROBABLY RANKS SECOND. DRY METHODS DESCRIBED

BY W. A. WOLFORD



THE law of supply and demand works very effectively during the fall and early winter months as regards the price of strictly fresh eggs. It is not uncommon during that period to find fresh laid eggs selling at seventy-five cents per dozen in our leading markets, while the sixty cent mark has become very ordinary. The better grades of storage eggs, at the time, are quoted at 45c and 50c per dozen.

With the market demanding such prices, fresh laid eggs become luxuries that only those well provided with this "world's goods" can indulge in. Even storage eggs are beyond the means of the ordinary family during this period of short production, which usually extends from the middle of October well into the winter. As it is absolutely certain that this period of high prices will return with a positive regularity, year after year, it seems desirable that we employ, if possible, some means of insuring a supply of eggs, of a dependable quality, sufficient to carry us through the period of high prices. That this is possible has been proven by many who have tested one or more of the various methods of preserving eggs.

It is for the purpose of describing several of the methods that have been proven successful that this article is written, and it is to be hoped that many readers will be benefited to the extent that they will make use of the method most suited to their convenience and put down a supply of eggs while the price is still moderately low.

IMPORTANCE OF COLD STORAGE

Were it not for the fact that the cold storage system made it possible to keep eggs in good condition for long periods, there would be a market stagnation, accompanied by much loss during the natural laying season, and an egg famine during the period of short production. That we are able to secure fresh laid eggs at all during the early winter, is due to the fact that scientific study has been made of the subject and poultrymen have been taught improved methods of caring for and feeding their fowls, that have created conditions that were favorable to production; also by selection have we been enabled to build up flocks in which the production of eggs is an inherent characteristic. But had not means been devised for caring for and preserving the eggs during times of over-production, it is questionable if the industry would have made such rapid advances as have been noted during the last ten years.

At our present rate of production without means of

preserving eggs, there would be millions of dollars' worth of eggs wasted, for lack of demand. Our cold storage systems have played the part of the "life saver" and while they are "cussed" by many and also made the subject of much legislation, they are the life blood of the egg business of today. The cold storage of eggs is a commercial proposition only and therefore not applicable to the subject in hand, but will be dealt with separately later on.

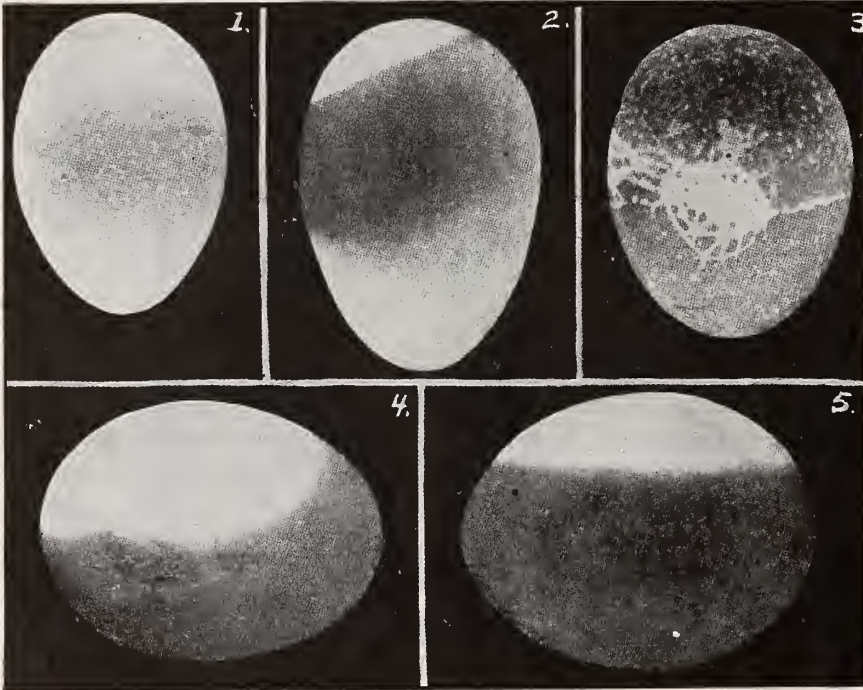
NUMEROUS METHODS USED WITH SUCCESS

My aim at the outset was to acquaint readers of this journal with methods of preserving eggs that would enable them to lay in a supply when eggs were cheap—and to provide them with eggs of dependable quality when prices were beyond their means.

I will divide the methods of preserving into two classes, namely, the wet method and the dry method. By the first, I mean the packing of eggs into receptacles of various descriptions and covering them with one of the several liquid preparations described hereafter. The dry method consists of packing the eggs in layers in some dry substance, such as salt, woodashes, bran, etc.; the main aim by either method, being to exclude the air from the eggs. The more effectively this is accomplished, the better the results that will be secured.

Before describing the different methods. I wish to

enumerate some precautions that are essential to success. First, the eggs intended for preserving should be strictly fresh. Second, they should be scrupulously clean and free from cracks. If dirty eggs are used, the liquid in which they are submerged becomes contaminated with the taint and the eggs will acquire a strong odor and taste. Third, in case it is necessary for you to secure your supply of eggs for preserving from your grocer or some other source, you should candle them before putting away. This may be done in any one of several ways. Probably the most effective way for the ordinary house wife is to darken a room



In the illustration above is shown five views (courtesy Live Stock branch, Canadian Department Agriculture) of eggs as they appear before the tester. These are published to enable those who desire to "put down" a few eggs for future use, to distinguish by use of the tester, the fresh laid eggs from the other grades. An explanation of the different views will be found in the accompanying article.

some bright morning, covering the window with some dark material in which a hole, two-thirds the size of an egg has been cut, place each egg before this hole and if it appears perfectly clear to the eye it may be used, if a crack or a dark spot is shown or the air cell in the larger end of the egg seems excessive, the egg should be discarded.

Another method of testing, and old one too, is to make a roll of brown paper, place one end of this to the eye and

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WHITE FAVEROLLES

NEW VARIETY OF FAMOUS FRENCH UTILITY BREED DESTINED TO BECOME POPULAR IN AMERICA. STRIKING IN APPEARANCE AND SUPERIOR AS TABLE FOWL. SALMON FAVEROLLES IMPORTED AND EXHIBITED IN THE UNITED STATES TEN YEARS AGO BUT FAILED TO BECOME POPULAR. WHITE FAVEROLLES EXHIBITED AT NEW YORK IN 1911 PROVED A DECIDED AND MOST ATTRACTIVE FEATURE. WELL KNOWN FANCIERS TAKE HOLD OF THE NEW VARIETY. AMERICAN VERSUS ENGLISH STANDARD REQUIREMENTS

BY J. H. DREVENSTEDT



HEN such experienced fanciers as D. Lincoln Orr, August D. Arnold and Major H. A. Rose get enthused over a new breed or variety, there must be some good reason for their enthusiasm. It is true that they have bred many of the older and newer varieties in the past and no doubt every time they discovered a novelty in the feathered line, it was hailed as the "best ever" or something superior in appearance and usefulness to all other breeds and varieties. Just now it is the White Faverolle that has captured the feathered triumvirate completely. When Miss Carey brought over a team of White Faverolles from England and exhibited them at the Madison Square Garden two years ago, these newcomers made a distinct hit with their rather imposing, deep breasted bodies, snowy white plumage and heavy beards or muffling attached to their heads. Even the name "Faverolle" had a very pleasant sound, especially when pronounced in that faultless English of Major Rose. We confess that we liked the appearance of these bearded white fowl very much and believe they will become popular in the future as they possess such great utilitarian properties in addition to their attractive appearance, a dual combination that usually proves a winner.

It is also fortunate that White Faverolles have such thorough fanciers as Messrs. Orr, Arnold and Rose to champion them in this fair land of ours, as these men select, breed and disseminate only the best of the kinds of varieties they foster.

SALMON FAVEROLLES EXHIBITED TEN YEARS AGO

Faverolles, however, are not new to this country, as they made quite a stir about ten years ago, when Dr. A. H. Phelps and J. Fred Crangle imported Salmon Faverolles from Europe and bred and exhibited them several years at leading shows, but the reign of the bearded feathered ladies and gentlemen from France was comparatively short lived, as they did not "catch on" owing to their peculiarly mixed and unattractive plumage. As layers and table fowl, however, they maintained the high reputation they enjoyed in the old country. But no breed of poultry will ever become universally popular for its market or utility qualities alone; it must have the outward looks that appeals to the lover of fine feathers in all wild and domesticated races of fowl.

ORIGIN OF FAVEROLLES

France has long been noted, and it is today, for its fine table fowl. The French are famous as cooks,

but in order to produce the best results in cooking, the best raw material must be used. This in poultry is most excellently produced by the Houdan, La Fleche, La Bresse and Faverolle breeds of poultry. Many American poultry breeders are familiar with the Houdan and appreciate its fine egg laying and table qualities, but few are acquainted with the splendid utilitarian qualities of the La Fleche and La Bresse and still fewer know anything about the Faverolle. The latter is larger and much meatier than the Houdan, so that it is considered superior to the latter from the table poultry point of view.

When and how Faverolles originated and what they are like is best described in the book written by M. Rouillier-Arnault, a director of the French poultry school, near Houdan, France, in which he says:

"The term Faverolles, adopted by custom, is not strictly correct, seeing that one does not find among Faverolles fowls special characteristics definitely fixed. To obtain a true explanation of the breed it is necessary to go back about forty years. The district around Faverolles at that time only possessed a common race of poultry together with the Houdans. This was the period when Cochin, Bantams and Dorkings first made their appearance in France. The infatuation for these fine looking birds was excessive, and poultry keepers introduced cocks to cross with the common fowls and also with the Houdans. From the crosses so obtained, there being no method in their breeding, breeders produced mongrels, but having the size and strength of the male parents, while retaining the delicacy of flesh which has made

a favorite the fowls from the Houdan district. In spite of the numerous crosses originally employed, we can now find certain characteristics more or less in the Seine-et-Oise district. For instance, there is the yellow plumage and clumsy walk of the Cochin, the striped hackle and feathered legs of the Light Brahma and the salmon colored breast and five toes of the Dorking. Certain fowls have dark plumage, mottled with black, indicating a relationship with the Houdan. In these types sometimes others can be traced. The chief point, however, is the size, together with amount and delicacy of flesh, which in these days make the fatted Faverolles so esteemed when sold in the markets as fatted poultry from Houdan. The race is therefore, to be recommended from the commercial point of view, as a profitable breed. The chickens are exceptionally hardy, an advantage which breeders have not failed to appreciate."

A French correspondent to an English poultry journal several years ago remarked:

"Faverolles is a small place of 480 inhabitants. Its calcareous and sandy soil is admirably suited for poultry raising, and this industry has therefore, spread to an enormous extent. Situated between Houdan, Dreux and Noyent-le-Roi, where very important poultry markets are held weekly, the breeders of Faverolles find a ready sale for their fowls, which are much appreciated and regularly fetch from seven to nine francs each. The Faverolles are very tame and quiet, good sitters and

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WHITE FAVEROLLE PULLET.

The above illustration is reproduced from a photograph of the first prize White Faverolle pullet at the Madison Square Garden, 1912. The great length and depth of body of this fine specimen is characteristic of the new breed, which is destined to become very popular in the future, owing to its superior utilitarian qualities. The beard and muffling of this pullet are also well defined.

CONNECTICUT VS. MISSOURI

SOME OBSERVATIONS REGARDING THE RESULTS OBTAINED THUS FAR IN THE TWO LAYING CONTESTS. MISSOURI BIRDS DOING BETTER THAN LAST YEAR, WHILE THOSE IN THE CONNECTICUT CONTEST ARE A LITTLE BEHIND. POOR SHOWING OF SOME PENS IN THE NORTH AMERICAN CONTEST BELIEVED TO BE DUE TO IMMATURITY OF BIRDS ON OPENING DATE. BUTTERCUPS FAILING TO LIVE UP TO CLAIMS OF THEIR PROMOTERS AS EVERLASTING LAYERS. ENGLISH LEGHORNS SHOW WAY IN BOTH CONTESTS.

BY O. WILSON



THE old expression, "well begun is half done", if applied to the egg laying contest at Storrs would indicate that a total score equal to the contest of last year will not be obtained.

At the close of the 26th week the total of eggs produced was 34,042. Comparison made with the records of last year makes it appear that either a good feeding system is going to get a bad bump or that breeders were not so careful in the selection of their entries for the second contest as they were with the first.

The figures tell the story better than a pen and are presented in comparison as follows:

First Year			Second Year		
Layers	Eggs	Average	Layers	Eggs	Average
490	34011	69	500	34042	68

Not a few of the breeders who entered birds of the general purpose class, selected their entries from stock that were immature to the extent that they did not start their laying period until well along in January. These late starters will, in all probability, give good account of themselves during the last few weeks of the contest when the early pace makers are devoting their energies to the selection of new winter clothing. At this point we may study a comparative table in averages to assist in showing how this development question has affected the totals:

	1911-12		Aver.		1912-13		Aver.	
	Pens	Eggs	Hen	Per	Pens	Eggs	Hen	Per
Barred Rocks.....	12	4027	67	8	2256	56		
White Rocks.....	4	1428	71	2	779	77		
Buff Rocks.....	..	..	..	1	384	76		
Partridge Rocks.....	1	321	64	..	..	..
Columbian Rocks.....	1	362	72	2	640	64		
Silver Wyandottes.....	1	228	45	1	338	67		
Golden Wyandottes....	1	229	45	..	..	..
White Wyandottes....	8	2821	70	11	4016	73		
Buff Wyandottes.....	1	390	78	2	563	56		
Columbian Wyandottes	3	983	65	1	300	60		
Dominiques.....	1	368	73	..	..	..
S. C. R. I. Reds.....	9	3664	81	8	3121	78		
R. C. R. I. Reds.....	3	1152	76	5	1658	66		
Black Langshans.....	1	346	69	..	..	..
S. C. Brown Leghorns..	2	621	62	1	306	61		
S. C. White Leghorns..	30	11293	75	43	15254	70		
S. C. Buff Leghorns....	3	945	63	3	1198	79		
S. C. Black Minorca....	4	860	43	1	282	56		
Blue Andalusians.....	..	..	..	1	263	52		
Anconas.....	1	241	48	1	220	45		
Buff Orpingtons.....	4	1718	85	2	639	63		
Black Orpingtons.....	..	..	..	1	196	39		
White Orpingtons.....	5	1828	73	4	1339	66		
Dark Cornish.....	1	317	63	..	..	..
W. L. Red Cornish....	..	..	..	1	197	39		
Houdans.....	1	186	37	..	..	..
Buttercups.....	1	283	56	1	93	18		
Totals.....	490	34011	69	500	34042	68		

In an earlier article we ventured the opinion that last year's record of an average per hen of 145½ for the egg breeds, and 144½ for the general purpose types, would not be materially changed for the second year. We are ready to change the opinion. In looking at the standing of these types as indicated by their present scores for an early estimate we find the following conditions:

Egg Type			General Purpose Type		
Hens	Eggs	Average	Hens	Eggs	Average
255	17813	69	245	16229	66

This appears very encouraging to the heavy weights at first glance, but let us check against the records of the former contest for the first twenty-six weeks:

	Egg Type			General Purpose Type		
	Hens	Eggs	Average	Hens	Eggs	Average
First Year...	215	14946	69	225	19519	86
Second Year...	255	17813	69	245	16229	66

The story thus illustrated shows what gains were made by the egg types before the close of the contest, for during the summer months the Leghorns and their similarities apparently lost all ambition toward maternal duties and made a beautiful record for the egg basket. The late start this year by so many of the general purpose classes is told by the averages in comparison and there is no reason to doubt but that at the close of the year, the egg class will have made nearly as great advance as was the case in the former contest and by reason of their untiring persistence to production during the warm period ahead of us, show records to a wonderful advantage over the "Sunday Dinner" class when the sales are closed.

The North American is already making an appeal to the breeders to make up classes for the best contest that will show in a more even distribution by breeds, but to make any satisfactory basis for an equal division of breeds they will necessarily secure their future entries after the arrangement shown at Missouri this year. Twenty varieties could thus be covered by an arrangement of five pens each.

There has been apparently something like a concerted effort by Buttercup breeders to boost the wonderful laying qualities said to be inherent to that tribe of the feathered providers. Why not make a request to those promoters to give us a practical demonstration out in the open where "he who runs may read".

HOW THE MISSOURI BIRDS PERFORM

The convention of hustlers in the Missouri contest at Mountain Grove are cutting considerable ice by their performances so far and bid fair to greatly excel in the average per hen over the record for the first year at that plant.

The contest for the second year was not started until November 15th, and can not for this reason be put into comparison with Storrs layers on an even basis, but it would be a dull old world if we had everything arranged to suit us. On the 30th of April these layers had averaged fifteen more eggs each than the entries for last year during a similar period. During the five and one-half months they have been doing business, these performers have laid 47,702 eggs for an average of 79½ eggs per hen. This is putting it all over the Connecticut entries for averages and oddly enough the preponderance of type is largely in favor of the general purpose classes. A pen of White Leghorns leads the contest, but it is the only pen of the egg type that is included among the ten leading pens.

Much comment has been aroused by the performance of this pen of Leghorns which are entered by an English breeder. Mr. Quisenberry describes them as being of a type "similar to our American Minorca, slightly larger than the American Leghorns, more rangy, larger combs, lighter colored legs", and listen—"pinched tails or not well spread."

Right here we have a hearty "good night" to the theory that has been drilled into us for a long time that to get anything like an egg supply we must breed for open shaped tails. The leading pen at Storrs is also a pen of White Leghorns that were bred in the same yards, and we take off our hats to the man that produces fowls that show such an even production under different management and feeding systems, for his Storrs entry has made an average of 118 eggs per hen and his Missouri entry (in two weeks less time) have averaged 111.7 eggs.

Included among the ten leading pens at Mountain Grove are two pens each of Silver Wyandottes and Black Langshans and one each of Barred Rocks, White and Buff Orpingtons, White and Buff Wyandottes.

In the special ten-pen feeding test the system of keeping twenty-eight different kinds of feed open to the layers at all times is still leading in egg scores, but it is possible that

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DUCK EGGS AND THEIR USES

THE DIFFERENCE SUPPOSED TO EXIST BETWEEN DUCK AND HEN EGGS BELIEVED TO BE MOSTLY IMAGINATION. FOR COOKING PURPOSES DUCK EGGS MAY BE USED IN THE SAME MANNER AS HEN EGGS WITH EQUALLY GOOD RESULTS. ARE IN HEAVY MARKET DEMAND EARLY IN SPRING AND SELL AT AN ADVANCE OVER HEN EGGS. A FEW FACTS GATHERED AMONG NEW YORK EGG MERCHANTS

BY C. S. VALENTINE

[EDITOR'S NOTE:—The question: To what use, other than hatching, can duck eggs be put? is asked so frequently that we decided to secure if possible a reply that would explain fully the value of duck eggs as compared to hen eggs for cooking purposes and to help dispel the apparent prejudice that exists in the minds of many people to the detriment of the duck egg. Mr. Valentine, who is an authority on matters pertaining to the duck, has covered the question in a very comprehensive manner, and we believe many readers will look more kindly upon the duck egg after carefully reading this article.]



O what uses other than for hatching can duck eggs be put?" is a question sometimes asked. This question seems to assume a radical difference between duck eggs and hen eggs—a difference that exists pretty largely in imagination. It has to be admitted that there is a prejudice against duck eggs, in some parts of the country, and with some nationalities; it is equally true that there is a predilection

among some people especially in favor of duck eggs. The word "prejudice" is linked with such words "bias", "warp", "twist", "infatuation", and a group of similar words, all of which indicate in themselves that the person who holds these ideas has "gone off half cocked", as the saying is. In most cases, prejudice results from prejudgment without much knowledge.

PREJUDICE AGAINST EGGS NOT WELL FOUNDED

Whether the prejudice which now exists in some places against duck eggs had or had not any foundation in fact, or whether it was, or was not due to the birds getting fish and other foods that might give peculiar flavors, in the days when ducks foraged largely for their food during the one laying period of the year, the springtime, I do not know. It may be said that duck eggs seem to spoil a little quicker than do hen eggs, and, this being true, they would assume the strong flavor which accompanies staleness a bit sooner. This is just what would not be expected, however, as the eggs, when fresh, are sweeter than hen eggs, and also "stand up" better. That is, they are full bodied, and firmer than the ordinary hen egg. Very rarely does a fresh duck egg break out with watery albumen, as is so often the case with hen eggs. And fresh duck eggs, as has been said, have a sweet almost nutty flavor, most pleasing to any palate.

If eggs are eggs, does it not seem rather peculiar that any one should ask what can be done with them aside from incubation? They make the most delicious omelets, sponge cakes and custard, and they not only go farther, as the cook says, because of being larger than hen eggs, but also, weight for weight they go farther, because of the greater firmness of the albumen, which will bear a little water added for cooking purposes, when it is beaten.

SPOILED IN COOKING

Something, indeed much,

always depends on the method of cooking eggs. A perfectly fresh and bloomy hen egg may be boiled hard and long, and come out of the kettle tasting like a stale specimen of five weeks' keeping. Similarly, a duck egg may be spoiled by over-cooking. For table use, they are best poached, and if six eggs are broken out instantly into four or five quarts of boiling water just removed from the fire, they will cook exactly right for any taste if the vessel be covered and left till the eggs reach the stage desired by the eater. If, on the contrary, the water were left over the heat, to continue boiling, in two or three minutes the albumen would be like so much very tough leather. This is not so much the nature of the duck egg as it is the nature of heavy albumen.

For omelets, even when made with milk, a small teaspoonful of water to each egg will make the product a little more tender. The same would doubtless be true with sponge cake, for which the duck eggs are especially suited. All egg dishes, no matter what kind of eggs are used, need

rather high flavoring for those who do not like the yolk taste. Cream puffs, gold cake, French ice cream, rich fried cakes, indeed anything which calls for plenty of eggs in the mixing, is a good medium for the use of duck eggs. They are delightful beaten raw into coffee, about one egg to two or three cupsful.

AS COMPARED TO HEN EGGS

A few weeks before this is written, Mrs. Benigna Kalb, prime mover in the Texas egg producers' co-operative movement, sacrificed a five dollar sitting of eggs in the interest of the public that makes so many inquiries about Indian Runner Duck Eggs. When I add that the demand for eggs was even greater than the supply, readers will guess how great was the sacrifice. These eggs were given over to the University extension department of Domestic Science, then in institute session in Texas. The report is only informal, and will be supported by more thorough later tests, but the expert reported that some of the eggs were poached and a part made into omelet, that one of the eggs was equal in food value to about one and one half hen eggs, adding, "the flavor of the egg is a decided improvement on the hen egg." The demonstrators, and most of those witnessing the demonstrations, were said not to have so much as heard of Indian Runner eggs before

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A Rhode Island Red that can win the blue ribbon, shape and color specials at the Grand Central Palace and Madison Square Garden, New York, in the same month, must be a star of the first magnitude. The pullet illustrated above is such, and is well named, for "Palace Queen" has about all the good points in comb, shape, size and color it is possible for one bird to have. In body lines and headpoints "Palace Queen" is a model female Red.—J. H. Drevestadt.

SUMMER MANAGEMENT OF BREEDING STOCK

NATURAL CONDITIONS AND ENVIRONMENT WITH RATIONAL FEEDING NECESSARY IN HANDLING BREEDING MALES AND FEMALES DURING THE SUMMER MONTHS. TREATMENT OF STOCK ON FREE RANGE AND UNDER CONFINEMENT. SHADE INDISPENSABLE IN HOT WEATHER. YARDS SHOULD BE KEPT FRESH BY FREQUENT SPADING. VEGETABLE FOODS NECESSARY TO MAINTAIN HEALTH OF FOWLS. GRAIN RATIONS DURING THE SUMMER. FEEDING HENS AFTER THE MOULT

BY J. H. DREVENSTEDT



NATURE'S laws must be followed closely to insure vigorous breeding stock in all races of domestic animals, and more especially so with turkeys, guineas, standard-bred fowl, ducks and geese. While poultry, ducks and geese can be raised with more or less success under artificial environments, turkeys and guineas must be kept as closely to old Dame Nature as possible or failures will result. While fowls will stand confinement and "deliver the goods" as far as shelling out eggs and producing broilers for market is concerned, the breeding stock needs most careful handling after a season of high feeding and forcing for egg production. This after care of breeders in the summer months is of the greatest importance to the poultry raiser, as on the health and vigor of his laying hens and pullets, and breeding cocks and cockerels in the fall and winter, will depend his success, and what applies to breeding males and females applies with equal force to exhibition stock, for a good breeder should be a good show bird as a rule.

No healthy animals need tonics or stimulants while growing. Fowls that are moulting are perfectly healthy, and whether they should need, Douglas Mixture, red pepper, or any other bracer recommended every now and then by some of our poultry wisenheimers, is hard to tell.

Animals are often doctored in proportion to the tendency of the owner himself for using drugs or stimulants. Nature supplies all the foods and tonics necessary without our having recourse to the apothecary's mortar or pill box.

A hen that has been forced for laying, needs a rest if she is to moult quickly. Growing feathers and producing eggs at the same time are not calculated to hasten moulting.

FREE RANGE TREATMENT OF BREEDING STOCK

Years ago when we were engaged in dairy and poultry farming in Orange County, N. Y., we learned from experience the incalculable benefits to be derived from following nature's laws in handling our stock.

We turned the hens out to roam over the pastures and in the orchards, feeding them oats or wheat once a day, but feeding the grain rather sparingly. All good cattle breeders know the benefits a milch cow receives when she is allowed to run dry for a month or two before calving. The drain on the system caused by milking is removed, and corresponding improvement is made in the growth of the fetus. Treating hens on the same principle will carry them through their moult rapidly. They will, if not stuffed with grain, soon become active foragers, and the exercise they get in roaming over the fields picking up innumerable grubs and insects, adds greatly to their health and strength. Such old hens turned out in July will often begin laying again in November and will sport a new set of feathers. This has been our experience.

Breeders of exhibition poultry, who shut up their hens, experience more difficulty in having the latter moult

properly and must resort to stimulating foods to pull the birds through in good shape.

Fowls that are closely confined and have no range, moult badly. This is easily seen by visiting dealers who keep on sale in small cages fowls that often moult in the latter. The feathers lack luster and are rough and curled. In such cases, stimulating foods such as hemp seed, sunflower seeds and raw meat, may help them, but nothing can put on the beautiful luster and well grown feathers that birds at liberty possess.

We once sent a lot of Golden Spangled Hamburgs to a show, and a number of fanciers were surprised at their fine, glossy plumage. They wanted to know the secret of preparing birds in such fine condition. The secret was no secret at all. The birds had the range of the farm and woods, roosted in the evergreen trees, and received Indian corn and wheat once a day in addition to what they picked up. One of the most noted Partridge Cochins breeders of that time, pursued the same plan, and his birds were evidence that nature does her work beautifully.

White Leghorns, Games and Spanish moulting is harder than with the heavier breeds, and for such, a farm range is almost indispensable. Leghorns are apt to lay well into their moulting period, but the above treatment will help them through the critical time.

One thing must be borne in mind, the age of the hen influences her moulting greatly. Old hens usually moult later in the season, although feeding and handling will hasten the process, but three months is the average time required for the moult.

HANDLING BREEDING COCKS AND COCKERELS

Good business policy demands that all inferior or superfluous males should be eliminated from the flock as early as possible. They are the dead heads on the place, that eat up the profits of the proprietor.

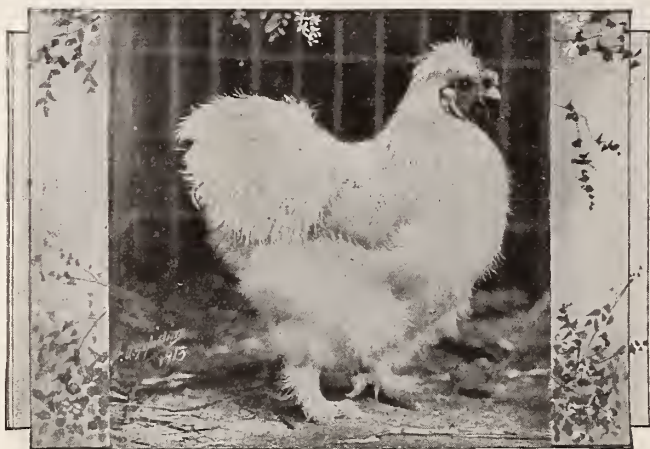
The best cock birds can easily be selected as they are known quantities, but to select the best and most promising specimens at an early age from a large flock of cockerels is not so easy, as it is often necessary to wait until the third or final coat of feathers begins to appear, in order to detect possible color defects.

In white plumaged varieties, such as White Leghorns, White Wyandottes, White Plymouth Rocks and White Orpingtons, however, the star cockerels can be

selected at a much earlier age, as shape, size and conformation of comb are usually a reliable guide, so that it is not necessary to delay the weeding out process until the youngsters have eaten their heads off.

To market the wasters at an early age, means higher prices and consequently greater profits to the poultry breeder.

The temptation to hold over a lot of second or third rate cocks and cockerels in order to dispose of them in the fall and winter as breeders, is great, but so is the loss of reputation the breeder sustains, who sends out inferior males to his customers.



The above picture represents one of the best Silkie Cocks we have seen in some time. He has excellent quality, soft, silky feathering in all sections of body and in type he was very cochiny with nice purple face and comb, and good blue earlobes. Silkies are bred extensively in some sections for use in rearing pheasants as the females make excellent mothers. They present a very unique appearance and no doubt their popularity will increase from year to year as the quality is improved. They should be recognized in the Bantam class and the aim of the breeders should be to reduce the size a trifle more.—A. O. Schilling.

Shade must be provided in some form to protect the birds from the broiling sun, as chickens do not like being baked alive on a hot day in a shadeless yard or field. If the natural shade of trees and bushes is absent, artificial screens should be provided for the comfort of the breeding

especially on a hot day. Besides there is always some picking of larvae and insects in such a loam. But a stiff clay soil should be avoided. It is damp and cold on cloudy days and hard as a brick pavement on a sunny day, bad at anytime.

VEGETABLE FOODS NECESSARY TO MAINTAIN HEALTH

We assume of course that the yards are too small to admit of being seeded to oats, rye or alfalfa. But where hens can get a few bites of green stuff fresh from the soil, it's a great treat for them.

The best and cheapest vegetable food for hens in confinement are mangels. Split them in halves and throw on the floor of the hen house, but do not litter the yards with shelled mangels. It looks slovenly and breeds filth. Sprouted oats are very nice of course, but much more expensive than mangels to feed. Later in the season small heads of cabbage can be bought cheaply, and these will provide a green food that is greatly relished by poultry, in fact it makes about the best vegetable diet during the moulting season that we are acquainted with.

GRAIN RATIONS DURING THE SUMMER

As to the proper grain diet for breeding stock during the summer months, the numerous excellent prepared scratching and condition foods on the market will enable the poultry breeder to make a safe selection. But to those who buy their grains in large quantities and prepare their own bill of fare for feeding the flock, the safest rule to follow in hot weather is to avoid feeding too much corn, which is heating, and to stick to oats and wheat. Where a mixture is preferred, we have found coarse bran, ground

(Continued on page 714)



WHITE WYANDOTTE COCK

At the West Haven, Conn. Show in 1908, eighty-four White Wyandottes were exhibited and quality was stamped on the winners in every class, notably in the cock class, which numbered sixteen choice specimens. The illustration above shows the fine blocky type of the winner of the blue ribbon in this class. He was bred and exhibited by Horace Wilcox, Middletown, Conn., one of the most successful breeders of White Wyandottes in New England.

stock. These improvised sheds can be cheaply made, by laying slats across the tops of the runs and covering same with corn stalks or rye straw, which, however, must be fastened or weighted down to avoid being blown away. Cheap screens can also be made by nailing plasterer's laths to a frame about one inch apart, and covering same with oiled muslin. Such a screen not only protects the birds from the sun, but will keep the ground underneath dry.

Chickens, young or old, enjoy being out doors, if conditions are favorable, otherwise they will loaf and lie around the roosting room or shed and forget that they ought to scratch for a living. Keep them on the move in the open air as much as possible. Fortunate is the poultryman whose breeding stock can forage and enjoy the coveted shade of an orchard or woodland. It is the ideal chicken haven in the good old summer time.

HANDLING STOCK IN CONFINEMENT

Hens that must be confined in small yards during the summer months require very careful handling to come out strong and vigorous after the moult. Cleanliness and exercise are the two prime factors in handling the biddies in confinement. Assuming the roosting room is kept clean and sweet by liberal use of lime wash applied several times during the summer to the walls, nests, floors and drop-boards, and pure air is allowed to enter the open front house, day and night, the best thing to look after is the covering on the floor. It should consist of deep and clean straw or leaves, so that scratching for the grain becomes a busy but pleasant task. Musty and damp hay or wood shavings are an abomination in a well conducted chicken plant.

The yards are just as important and should be kept just as clean and sweet by continual spading or forking over. A sandy soil, of course, is the easiest to keep in sweet condition, but a friable loam will be preferred by the hens,



The Rhode Island Red cockerel illustrated above possesses the characteristic breed type, which distinguishes the Reds from Plymouth Rocks and Wyandottes, so well developed that he was awarded the shape special in addition to winning the blue ribbon at New York in 1912, certainly a remarkable achievement considering the unusually large class of Rhode Island Red cocks and cockerels exhibited at the Grand Palace Show last winter—J. H. Drevensedt.

AMERICAN POULTRY WORLD



DEVOTED TO THE
Upbuilding of the Poultry Industry
in All Branches

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J. H. DREVENSTEDT . . . } Associate Editors
WILLIAM C. DENNY . . . }

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STAFF ARTISTS:
Arthur O. Schilling,
H. C. Froby.

EDITORIALS

RESULTS OF 1913 ELECTION OF AMERICAN POULTRY ASSOCIATION.

Following are the results of the recent A. P. A. election, by mail vote, as furnished to the poultry press by O. L. McCord, Election Commissioner:

President, E. B. Thompson, Amenia, N. Y.
First Vice-President, W. C. Cleckley, Augusta, Ga.
Second Vice President, A. A. Peters, Denver, Colo.
Secretary, S. T. Campbell, Mansfield, Ohio.
Member of Executive Board, W. C. Denny, Buffalo, N. Y.
Member of Executive Board, U. R. Fishel, Hope, Ind.
Member of Executive Board, C. D. Cleveland, Eatontown, N. J.
38th Annual Meeting Place, Atlantic City, N. J.
Time of holding 38th Annual Meeting, August 10-16, 1913.
Total number of votes cast, 2670.

COMPLETE RETURNS

PRESIDENT:

E. B. Thompson, Amenia, N. Y. 1322
E. E. Richards, Cedar Rapids, Ia. 1276

FIRST VICE PRESIDENT:

W. C. Cleckley, Augusta, Ga. 2550

SECOND VICE PRESIDENT:

A. A. Peters, Denver, Colo. 2540

SECRETARY

S. T. Campbell, Mansfield, Ohio. 2225
John A. Murkin, Nashville, Tenn. 303

MEMBER OF EXECUTIVE BOARD:

W. C. Denny, Buffalo, N. Y. 1661
U. R. Fishel, Hope, Ind. 1635
C. D. Cleveland, Eatontown, N. J. 1129
S. J. Hopper, Dallas, Texas. 948
Richard Oke, London, Ont. 831

J. M. Parker, Creston, Mont. 419
A. F. Kummer, Butler, Pa. 290
Robt. Seaman, Jericho, N. Y. 194
S. A. Merkle, Buffalo, N. Y. 180
Louis G. Heller, Bridgeton, N. J. 95

TIME OF HOLDING 38TH ANNUAL MEETING:

August, 2nd week, 10th—16th. 1293
September, 1st week, 1st—6th. 447
August, 3rd week, 17th—23rd. 335
August, 4th week, 24th—30th. 167

PLACE OF HOLDING 38TH ANNUAL MEETING:

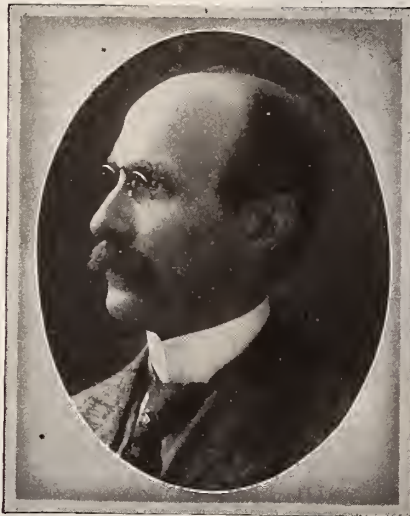
Atlantic City, N. J. 1112
Detroit, Mich. 600
Chicago, Ill. 526
Buffalo, N. Y. 84
Boston, Mass. 74

BALLOT ON PERMANENT HOME:

No 1046. Yes 878.
Danville, Illinois, May 6, 1913.

O. L. McCORD,
Election Commissioner.

The members who voted and whose



E. B. THOMPSON, Amenia, N. Y.
President-elect of the American Poultry Association.

candidates were elected to the last man, will be well pleased, as a matter of course—and not one of us has much cause for dissatisfaction or alarm. Good men and true were chosen in every case—men who are well-known and whom it is believed will do their level best in behalf of the association and the billion dollar industry it is seeking to represent.

It is a distinct step in advance to have a foremost poultry breeder and exhibitor like E. B. Thompson discover that there exists in the United States and Canada an organization of poultry advocates that is worthy of his best thought and efforts, in the capacity of chief executive. Now if something could be done that would cause scores of other successful poultry specialists of national and international reputations to make the same discovery, what a big improvement might well be expected in the good work being done by the American Poultry Association and what great things could then be undertaken in behalf of the poultry industry of America.

Probably that is too much to hope for in the near future, but every time

an old-liner is won back into the fold, after long years of absence, there is real cause for rejoicing. The American Poultry World expects President-elect Thompson to accomplish valuable results. In our opinion he is not a man to put his hand to the plow and then turn back because he finds the work hard or the task difficult. For reasons plainly stated heretofore in these columns, also in a letter written by us to Mr. Thompson December 13, 1912, we did not support Mr. Thompson's candidacy, but when we learned that he was the choice of the majority of the members who exercised their right of franchise, we promptly telegraphed him as follows:

"Congratulations on your splendid vote and best wishes for the success of your administration."

Mr. Thompson is on record as to his intentions and ambition. In a letter of date April 1st, 1913, addressed to his fellow-members of A. P. A., he said:

"If elected I will take office FREE FROM ANY PLEDGE OR PROMISE to any man or men, except the pledge I now make to you, viz: To bring to the high and important office of President all the ability I have and to use it for the benefit and best interests of every member and breeder in this great industry of the United States and Canada. My rulings and every official act on all questions coming before me will be fair and just to all, according to my best judgment.

"By my election to the Presidency the poultry breeders will have a representative who knows their needs from an experience of over 30 years in the ranks, and who will work faithfully for the betterment of poultry conditions."

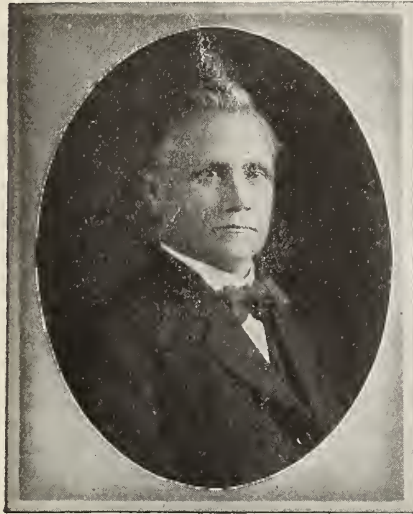
That has the right ring to it, and Mr. Thompson can rest assured that every true friend of poultry culture will strongly and consistently support him in this position. The following paragraph is quoted from a letter of date May 12th received by us from our re-elected secretary, S. T. Campbell, Mansfield, Ohio:

"President Hicks and President-elect Thompson have made arrangements to meet at my office to-day for conference and to prepare the programme for the next annual meeting."

This, too, looks good—looks like business! Mr. Thompson could not have known of his election before the evening of May 5th, yet one week later to the day he was expected to be at the secretary's office in another state, for the purpose of helping President Hicks arrange a suitable programme to be published in the A. P. A. quarterly bulletin and in the poultry press in plenty of time for all interested persons to read it and decide whether or not they wish to attend this year's convention in August. An excellent institute programme is proposed, in addition to the large amount of important business to be transacted and this thirty-eighth annual meeting in famous Atlantic City should be the largest attended convention in the long career of the association.

American Poultry World would like to see the election of E. B. Thompson prove to be an epoch-marking event. It is indeed full time that the old-line breeders, exhibitors and vendors of standard fowl should come forward

and do their part of the work. Quite a large number of our best-known poultrymen have been doing their share, especially during the last six or eight years, but a still largernumber have not taken hold—have not gone to the trouble and expense of attending the big summer conventions, though they have been repeatedly invited and urged to do so. We regret



DR. W. C. CLECKLEY, Augusta, Ga.

Newly elected first Vice-President of the American Poultry Association.

to say that two or three cases have come to our attention where leading poultrymen not only have remained away from the annual meetings of an association of which they have been members ten to thirty years, but they have felt free to say, on several occasions, that the organization is of little value or importance.

It should be well understood that the poultry industry of America is what we make it, those of us who compose it, and that the American Poultry Association must continue to be precisely what its members make of it—no worse and no better. First of all, it is a breeders' association, because it is upon the extensive production of poultry and eggs that the entire industry and all allied interests must rest, and therefore the poultry breeders of the United States and Canada should join heartily in the work of the organization—should attend the annual conventions, should serve on programmes and committees, should fully inform themselves on the progressive work of the association AND THEN SHOULD DEFEND IT AS THEIR OWN.

The breeders who benefit by the valuable work done and to be done by the American Poultry Association can as well afford to

attend the annual meetings as can the poultry judges and poultry journalists—and now, THE PRESENT, is the best time in their lives for them to decide to do so. Times without number they have been urged to do this—and it is well for those of us who have been in the business twenty to thirty years to remember that the days of our generation are steadily passing and that if we are ever going to take hold and help the good work along it is time for every old-liner, so-called, to begin—to get busy!

Greater and more helpful things can be done by the American Poultry Association than have yet been considered, or even talked about. Give the association a big enough membership of the right kind of members—the self-respecting, fair-dealing, hard-working kind, then create the right kind of spirit, of PRIDE in this, the world's largest live stock association, which today represents one of America's half-dozen largest natural-product industries—DO THIS and far greater things can be accomplished and far more valuable results can be achieved than have yet been planned or proposed.

The time to begin is NOW. The way to begin is to TAKE HOLD and help lift the burden—to get into the harness and help keep the tugs tight. Let us accept the election of Mr. Thompson as substantial evidence that other valuable recruits are to be welcomed into the actual working ranks of A. P. A.—recruits secured from among old and capable members of the organization itself—members who can be of truly great help to the association and to the present-day poultry interests of the United States and Canada if they will take up their share of the work with genuine earnestness and bring to the councils of the organization the special knowledge they possess. By adopting this course these men at the same time will benefit the association in large measure by the value of their example.

Now is the right time for us all to rally to the support of President-elect Thompson. We believe that he will do his part, his LEVEL BEST, and it is but fair and right that every other member of the association—that practically every man and woman in the United States who benefits by the existence and continued growth of the standard-bred poultry industry in any of its branches should take an interest in the work of this association and do his or her full share to help develop and bring credit to an industry that means much to us and of which we have the right to feel proud—especially so if we have done our duty individually in helping to make it both GREATER AND BETTER.

AN EXCHANGE OF COURTESIES BETWEEN OLD FRIENDS.

On December 9th, soon after the close of the last Central Palace show, held in New York City, a man whom we have known and admired fifteen to eighteen years, wrote us a cordial, straightforward letter in which he told us that his name had been prom-



A. A. PETERS, Denver, Colo.

Newly elected second Vice-President of the American Poultry Association.

inently mentioned as a candidate for the office of president of the American Poultry Association and asked us where we stood in regard to the matter. This man was E. B. Thompson, successful candidate in the recent A. P. A. election, and for the information of readers who may be interested, we feel free to quote from Mr. Thompson's letter and to publish our reply.

Said Mr. Thompson:

"Last week I attended the Palace show at New York and while there I was informed that a good number of the brethren present had selected me as a candidate for president of the American Poultry Association. This was new and sudden to me.

"I know very well that no candidacy for this office could have as a supporter one whose assistance would be of more sterling value than yours. You are never on the fence in any controversy, but always stand square on the ground, either on one side of the fence or on the other side. I always desire that you shall be on my side of the fence, and if you are now in this matter I would appreciate your action and all of the early publicity that your position can give. Be good enough to write me upon receipt of this letter."

To Mr. Thompson's letter we replied without delay, as follows:

"Buffalo, N. Y., December 13th, 1912.
"Mr. E. B. Thompson, Amenia, N. Y.:
"My dear Mr. Thompson:—
"Replying to yours of the 9th inst., I am committed—through the editorial

LEGHORNS

R. C. White Leghorns	R. C. Brown Leghorns
S. C. White Leghorns	S. C. Brown Leghorns
Black Leghorns	Silver Leghorns
Blue Ribbon Winners New York, Boston and Chicago	

We entered 56 birds at New York 1912, and 50 were placed. At Boston we exhibited 59 and 57 were awarded prizes. Our catalogue describing our matings, stock and methods is free. Our stock and egg guarantee is most liberal. If in need of the best in Leghorns, write us. We guarantee to please you. Send for Sales List offering our New York and Boston winners at less than half their actual value. Eggs one-half price now.

TURTLE POINT FARM,

SARATOGA SPRINGS, N. Y.

W. H. Manning, Owner

W. M. Anderson, Manager

columns of R. P. J. and A. P. W.—to the candidacy of E. E. Richards as president of A. P. A. to succeed Reese V. Hicks. Am also com-



S. T. CAMPBELL, Mansfield, Ohio.
Re-elected Secretary of the American Poultry Association for a fifth term.

mitted by the same means to the election of Charles D. Cleveland to the same position of honor, provided Mr. Cleveland should announce himself as a candidate within the next two years.

"These men have worked hard and faithfully for the association during the last five years and it is on that ground that I am openly in favor of their election. Shall stand by them on this basis until they either announce that they do not want the position or until they have been defeated, thus indicating that the membership of the association does not want their services in that capacity.

"Am also more or less committed to the election of U. R. Fishel to the office of president of the association, when it seems the right thing to help elect him. For the last seven years Mr. Fishel has given a good deal of his valuable time to the work of the association and has earned a right to this position when he gets ready to ask for it and the members get ready to vote it to him.

"Have aimed to state frankly in this letter just where I stand in regard to the election of men to the office of president of A. P. A. The three men herein mentioned have earned the right to the position, provided they want it and providing the members are willing they should have it. I stand by the record. Have argued all along that the association should reward those who work for it. I certainly appreciate the long time you have been prominently identified with the standard-bred poultry industry of America and the good service you have rendered to the industry as a whole, also the value of your example, your success and your methods of doing business, and after my obligation to the three men herein mentioned has been discharged in the manner outlined herewith, it would give me much pleasure not only to vote for your election, but to advocate your candidacy through the two poultry papers with which I am associated.

"With personal regards and best wishes,

"Very truly yours,"

We heard nothing further from Mr. Thompson on the subject until March 15th, over three months later, when he sent us a copy of the announcement of his candidacy and asked us if we would publish it. We at once replied that we would—both in American Poultry World and in R. P. J., which was done. Every line that Mr. Thompson sent us for publication, re-

lating to his candidacy, was published in both journals.

During the months of January and February we did not know whether Mr. Thompson had or had not decided to make the race. He did not reply to our letter of December 13th, nor inform us, during January or February, of his decision, nor did any of his supporters do so—which perhaps was natural enough. His actual announcement reached us March 16th or 17th.

About the middle of January we were told that E. E. Richards had decided at the Chicago show that he would not be a candidate for the presidency. By this time we knew that Charles D. Cleveland had accepted the position of secretary-superintendent of the Madison Square Garden poultry show—a big job in itself. U. R. Fishel had told us at Nashville that he was not in shape to accept the office of president of A. P. A., on account of pressing business duties. Also



U. R. FISHEL, Hope, Ind.
Re-elected Member of the Executive Board for a term of three years.

about the middle of January we received a letter from Robt. H. Essex, Buffalo, N. Y. (a circular letter mailed to the poultry press) in which Mr. Essex stated that he had decided not to be a candidate for president of A. P. A., although he had been urged to do so by friends and had been endorsed for the position by the Buffalo Poultry Club.

We were in doubt, therefore, at the time mentioned—the middle of January—as to whether or not the American Poultry Association was to have, as a candidate for the presidency, a man capable of filling the office to the advantage of the association and with credit to himself. Under date January 15th, Mr. Richards wrote us a business letter, in which he said:

"Please accept thanks for the friendly notice given me in the January 'Reliable', in regard to my candidacy as president of the A. P. A. At the Chicago show I was led to believe that there was a strong feeling in the east against the candidacy of any man in the west or mid-west for the office and that the presidency should go to the east for the

next year or two. I do not care to enter into any politics to be elected president, although it is an honor I would greatly appreciate and I trust it will come to me in due time."

This letter reached our hands January 20th and the same day we wrote Mr. Richards as follows:

"In my opinion, you are exactly the right man to be elected at the present time. Have proceeded on the understanding that if the office sought you, you would accept it, and I shall be surprised if you do not receive a good strong plurality of the nominating votes.

"Charles Cleveland is out of the race, as you probably have been informed by this time, and I have a letter on my desk of date January 11th from Robert H. Essex, in which he states he is not a candidate and asks A. P. W. and R. P. J. to inform the public to this effect."

In publishing the facts here given, we have done so in Mr. Richards' behalf more than our own. An attempt has been made to create the impression that the editor of A. P. W. must have had some selfish purpose in requesting Mr. Richards to accept the nomination for president of A. P. A. The truth is that Mr. Richards had never mentioned to us, prior to his letter of January 15th, 1913, any desire on his part to be president of the association—and previous to our letter to him of January 20th, 1913, we had never broached the subject to Mr. Richards, either verbally or by letter, directly or indirectly.

The further truth is that we had but one motive or desire in asking Mr. Richards to stand for election—and this was, to have a man accept the office whom we felt sure had the knowledge and experience to make a success of his administration and thereby continue the American Poultry Association on its upward course.

To finally clinch the matter, permit us to say that Mr. Richards has never been approached by us or by any of



CHAS. D. CLEVELAND, Eatontown, N. J.
Newly elected Member of the Executive Board for a term of three years.

our business associates with the slightest impropriety, with reference to his official duties or aspirations as a member of A. P. A., nor has he ever

intimated, in the remotest degree, that if he were to be elected to the presidency of the association he would show us, our associates or our friends, any special favors or consideration. Subjects of this kind have never been mentioned by him to us or by us to him in any manner or form.

It may seem like a waste of white paper to publish facts such as are here set forth, but men who act on the square have the right to place a high value on their reputations and to defend themselves against the attacks of suspicious or designing individuals who happen to be in positions where they can reach the interested public with insinuations that stop only a little short of deliberate misrepresentation.

NOW GIVE EDITOR ROBINSON A CHANCE TO SHOW THE STUFF HE'S MADE OF

John H. Robinson, editor of Farm-Poultry, Boston, Mass., took a prominent part in the election of Mr. Thompson to the presidency of A. P. A. and is entitled to a full measure of satisfaction in the result. One of the best moves made by Editor Robinson was the mailing of a personally signed postal card to members of the association, which read as follows:

"SWELL THE VOTE FOR THOMPSON AND ATLANTIC CITY.

"Fellow Members of the American Poultry Association:—

"Two years ago Boston lost the meeting of the Association BY TWO VOTES, and after election a lot of Eastern members regretted that they had neglected to vote.

"There are close contests this year on the President and Place of Meeting. If you are for Thompson and Atlantic City, GET BUSY. If you have not voted, vote now. After you have voted, induce your friends to vote and vote your way.

"Do you know that less than half of the members vote in a mail election? The other half simply neglect it or have no choice. Most of them will vote if asked by a friend, and vote as he suggests. If everyone who votes for Thompson and Atlantic City will write to ten members he thinks may have failed to vote, there will be no doubt of the result.

"Ask your friends to vote for Thompson and Atlantic City, or sign their ballots and send to you.

John H. Robinson."

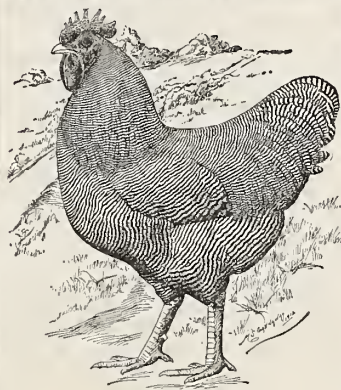
Both Mr. Thompson and Atlantic City were successful, therefore Editor Robinson's cup should be full to overflowing. And we are sure that very few members of the association will begrudge him any part of his present enjoyment. He has waited a long time for "a chance to holler" and in this phase of his activity he should now be treated with indulgence.

It is possible—in fact, probable—that substantial good may result from Editor Robinson's more or less personal triumph. In time past he has been a pretty severe critic of the association. Repeatedly he has offered amendments to the constitution, with a view to inaugurating changes that he believed would benefit the organization and the important industry it is endeavoring to promote. As a rule his proposed amendments have been rejected, but now he ought to be given a better opportunity to

put his ideas into practice, provided they meet with the approval of President-elect Thompson and a majority of the active membership of the association.

No one ever has claimed or intimated—to our knowledge—that the present constitution of the American Poultry Association is perfection, or anything approaching it. On the contrary, it represents a compromise document, of experimental character, that was framed by earnest members

of the association at a time when little existed on which to base conclusions. When this constitution was prepared and adopted, less than seven years ago, the American Poultry Association was referred to as "a dead cock in the pit". Although it was nearly a third of a century old, it had less than eight hundred members who could be found by mail carriers. Its annual meetings in those days were held as a "side show" in connection with winter poultry exhibitions and were attended



CRUSADER V.
1st Prize Cockerel and Champion Male,
New York, 1909-1910.

Hatch Winners Now

and secure eggs from stock having grass runs with plenty of sun and plenty of shade.

We have this at Grove Hill.

Barred Plymouth Rocks S. C. Brown Leghorns Partridge Plymouth Rocks

always winners in the hottest competition. We never choose other.

SPECIAL! 50 per cent. discount on all Eggs for Hatching. This year's breeders for sale.

GROVE HILL POULTRY YARDS,

Box 804,

WALTHAM, MASS.

WILLIAM ELLERY BRIGHT, Prop.,

F. G. COOK, Supt.

SUNNYBROOK FARM

EATONTOWN, N. J.

May 1, 1913.

American Poultry World,

Gentlemen:—

Your readers will be interested to learn that on account of having hatched twice as many chicks, to date, as last year, we now have opened our **HALF PRICE SALE** in both Breeding Birds and Eggs for Hatching.

Anyone who desires to secure some genuine bargains in **WHITE** or **COLUMBIAN WYANDOTTES**, or **S. C. WHITE LEGHORNS**, can secure the same now; and from this date the eggs from all our **PRIZE WINNERS** will be sold at **HALF LIST PRICE**. Every one knows that many of the best chickens are hatched in May and June.

Our handsome free Catalogue and Mating List fully describes our plant, our birds, and their winnings.

First come, first served, in this sale.

Yours very truly,
SUNNYBROOK FARM.

By Charles D. Cleveland

by less members than the association now has branch organizations.

At that time (1906) the association had an executive committee of one hundred and twenty members—ninety per cent. of whom did not attend the annual meetings. It required only seven members of this big executive committee to constitute a quorum and transact business, yet at the Minneapolis annual meeting, held in January, 1905, there were only six executive committeemen in attendance and a vice-president had to be drafted into



WM. C. DENNY, Buffalo, N. Y.

Newly elected Member of the Executive Board of A. P. A. to serve three years.

service before the meeting could proceed with business and lay claim to legality. At the Charleston, S. C. annual meeting, held January 28, 1902, only 16 members of the entire association answered to roll-call.

When the present constitution was framed and adopted the association had no branches—not one. Two or three applications had been made for the right to form branches—notably the one by California, representing the Pacific Coast—but nothing had been attempted in that direction by A. P. A. What the outcome of this experiment would be, no one knew. The big and unwieldy executive committee was cut down to an executive board consisting of the president, two vice-presidents, a secretary-treasurer and nine elective members, to which was to be added the president of each branch that might be organized. Summer conventions had never been tried and several influential members were firmly of the opinion that this new departure would be the worst fizzle of the entire experiment.

A good deal of water has passed under the bridge since August of 1906—or January of 1907, when the new constitution was adopted. Six successful mid-summer conventions have been held; much important work, especially along practical lines, has been done that never before had been attempted; the membership has been increased from less than eight hundred life members to more than four

thousand five hundred; the association now has upwards of forty branch organizations—and last, but by no means least, it has reached a stage in its onward and upward development where men of the personal ability and business acumen of E. B. Thompson are proud to be chosen as its head officer and glad to be given the opportunity to help make A. P. A. history.

At the St. Louis (1910) convention, the editor of AMERICAN POULTRY WORLD introduced a motion which provided that a committee of three, to consist of President Bryant, Fred L. Kimmey and a third member, to be selected by the president, be authorized to revise and codify the constitution and by-laws of the association and report at the next annual meeting, due notice of all proposed changes to be sent to the members of the organization. This motion was adopted unanimously and several months later President Bryant named President-elect Reese V. Hicks as the third member of the committee.

This committee reported at Denver, August, 1911, but recommended only a few minor changes in the constitution. The committee's recommendations were adopted and there the matter rested. Mr. Kimmey, an ex-president of the American Poultry Association, a retired lawyer and the man who had served as chairman of the committee of fourteen which framed the present constitution of the association, on account of his special qualifications, and certainly Messrs. Bryant and Hicks, as president and president-elect of the association, were experienced and proper men to look after the welfare of the organization in this vitally important matter, doing so to the best of their ability.

Will state, however, that we were disappointed with the report this committee presented at Denver and were surprised that so few changes were recommended. It did not then, and does not now, seem possible that the committee of fourteen, which framed the present constitution in 1906, could at that time have produced a basis of operations that would last indefinitely, with only minor changes, or that could be expected to provide adequately for the new conditions and to take full advantage of new opportunities. Editor Robinson has criticized repeatedly the present constitution of A. P. A. in a number of its basic principles and we think he should now be invited by President-elect Thompson to prepare and submit, at his convenience, a better plan of procedure and development, or should at least be asked to serve as the chairman of a committee that will perform the work which it was hoped the committee of three would do that was appointed at St. Louis in 1910.

That the present plan of conducting the official business of A. P. A. and of promoting branch organization work, can and should be much improved, is clearly evident to the minds of the well-informed—to close observers who are in touch with poultry conditions and poultry opportunities throughout the United States and Canada. Im-

porant changes should be made in the constitution, as it now exists, and a number of additions can be made to advantage—additions that will enable the association and its numerous branches to benefit by the new and larger opportunities which now exist. It is full time to plan and work for a still greater progress. We hope that Messrs. Thompson and Robinson will reread this paragraph and we should be glad, indeed, to learn later on that they entertain the same view of the situation.



O. L. McCORD, Danville, Ill.

Election Commissioner who had charge of the recent American Poultry Association election.

There is another way in which Editor Robinson can be of service to A. P. A. and the general poultry industry in the near future. At Nashville last August, a resolution was adopted which provides for the preparation and publication of an A. P. A. text book to be used for teaching elementary poultry culture in the public schools. The poultry instructor, who introduced this resolution, did not express a wish to prepare the text and to decide on the illustrations for the book and we have been told since that he does not care to do the actual work.

Mr. Robinson has written a number of books similar in kind and purpose, although of a more elaborate character and we are sincere in saying that we do not know of a man in the association who is better qualified to handle this important and none too easy task. In our best judgment it is time that the foremost critics of the association were put to work and given all the chance in the world to show what they can do in behalf of the organization. We do not know of a better way to keep them profitably employed and to stop their "knocking."

It is an unclean bird that fouls its own nest, so the saying goes, and it is highly probable that if Editor Robinson once gets thoroughly into A. P. A. work he will have a better understanding of the difficulties that exist and more respect for the men who, during the last six or eight years, have tried hard to keep things moving

in the right direction and on the upgrade. No doubt these men will be mightily pleased to see Mr. Robinson's talent and energies devoted to truly constructive work that will benefit the American Poultry Association and the great industry it is seeking to promote.

All of which is submitted in good faith—and with best wishes for Mr. Robinson's success in these lines of personal honor and public benefit.

—o—

SUPERB PROGRAMME FOR THIRTY-EIGHTH ANNUAL MEETING OF A. P. A. AT ATLANTIC CITY

On the afternoon that the last form of this issue of A. P. W. was waiting to be closed, a special delivery letter came to hand from S. T. Campbell, Secretary of the American Poultry Association, reading as follows:

"Mansfield, Ohio, May 21, 1913.
"Editor American Poultry World,
Buffalo, N. Y.

"We have just received from Mr. Cleveland, his suggestions for the programme of the Thirty-eighth Annual Meeting of the American Poultry Association.

"I am sending you this by special delivery, with the hope that you may have it published in the June issues of A. P. W. and R. P. J.

"This programme is subject to slight changes that will be furnished you latter.

"Very truly yours,
"AMERICAN POULTRY ASSOCIATION,
"S. T. Campbell, Secretary."

Following is the official programme (subject to slight changes) as enclosed by Secretary Campbell with his letter:

PROGRAMME.

Thirty-eighth Annual Meeting of the American Poultry Association, Atlantic City, N. J., August 11th to 16th, 1913.
Headquarters, Hotel Dennis, Atlantic City, N. J.

All meetings of the Association will be in the Greek Temple, on the Million Dollar Pier, and will be open not only to members of the American Poultry Association, but to the public generally.

MONDAY, AUGUST 11TH, 9 A. M.

Meetings of the Executive Board in the —rooms of the Hotel Dennis. Sessions of the Executive Board will be held Monday afternoon and evening.

TUESDAY, AUGUST 12TH, 9 A. M.

Meetings of the Executive Board will be held morning, afternoon and evening.

WEDNESDAY, AUGUST 13TH, 9 A. M.

Thirty-eighth Annual Meeting of the American Poultry Association called to order by the President.

Address of welcome by Charles D. Cleveland, President of the New Jersey Branch.

Address of welcome by Governor Fielder of New Jersey.

Address of welcome by Mayor Riddle of Atlantic City.

Response by Reese V. Hicks, President of the American Poultry Association.

Roll call of members by States.

Approval of minutes of last meeting.

Report of Election Commissioner.

Election of Board of Review.

Appointment of Committee on Credentials. (All credentials must be in the hands of the Secretary before opening roll call).

Report of Executive Board on applications for Membership and Charters granted to Branches; Annual report and recommendations. (All reports open for discussion as soon as made and motions will be entertained to carry their recommendations into effect.)

Annual report of the Secretary.

Annual report of the Treasurer.

Report of the Finance Committee.

1:30 P. M.

Report of Board of Review, under suspension of rules.

Report of Committee on Credentials.

Branch reports. (All reports must be in writing, signed by the Branch President and Secretary, and in the hands of the Secretary of the Association before reports from each State are called for. No verbal reports or comments will be allowed.)

Report of Committee on Bureau of Lecturers, W. Theo. Wittman, Chairman.

Report of Committee on Education and Experimentation, Professor James E. Rice, Chairman.

Report of Committee on Plymouth Rock Breed Standard, Arthur C. Smith, Chairman.

Lecture: "The Science of Artificial Incubation", by W. R. Graham, Poultry Husbandman, Ontario College, Guelph, Canada.

Adjournment.

7:30 P. M.

Report of Standing Revision Committee on 1915 Standard, Reese V. Hicks, Ex-officio Chairman. (Bring your Standard with you for reference as to suggested changes.)

8:30—Lecture: "A Review of Progress", by James E. Rice, Professor of Poultry Husbandry, Cornell University, Ithaca, N. Y.

THURSDAY, AUGUST 14TH, 9 A. M.

Report of Standing Revision Committee, 1915 Standard. (Continued).

Report of Committee on Show Supplies and Blanks, W. Theo. Wittman, Chairman.

Adjournment.
Trolley ride and clam bake at Longport.

1:30 P. M.

Report of Text Book Committee, Reese V. Hicks, ex-officio chairman.

Consideration of proposed amendments to Constitution and By-Laws.

Report of Market Poultry and Egg Standard Committee, R. H. Essex, chairman.

Report of Committee on Government Co-operation, Chas. T. Cornman, chairman.

Report of Committee on Publicity, Frank B. White, chairman.

Adjournment.

7:30 P. M.

Address by Dr. M. E. Pennington, Chief of Government's Food Research Laboratory, Philadelphia, Pa.

Lecture: "Breeding for Egg Production," by Dr. Raymond Pearl, Biologist, Maine Agricultural Experiment Station, Orono, Maine.

Lecture: "The Science and Practices of Poultry Feeding," by T. E. Quisenberry, Missouri State Poultry Experiment Station, Mountain Grove, Mo.

FRIDAY, AUGUST 15th, 9 A. M.

Inauguration of New Officers.

New business.

Adjournment.

1:30 P. M.

Report of Executive Board; Judges Licenses granted; New members elected; Standing Committees announcements; Election of Treasurer announced.

Election of Election Commissioner.

Unfinished business.

Adjournment.

7:30 P. M.

Lecture: "The Commercial Egg Farmer," by R. C. Lawry, vice-president of the Yesterlaid Egg Farms Company, Pacific, Mo.

Lecture: "Common Poultry Diseases", by Professor F. H. Stoneburn, Poultry Expert, Philadelphia, Pa.

Lecture: "Rearing Chickens", by Professor Horace Atwood, Poultry Husbandman, West Virginia Agricultural College, Morgantown, W. Va.

Lecture: "Environment the Determining Factor in Production", by H. R. Lewis, Poultry Husbandman, New Jersey State Agricultural Experiment Station, New Brunswick, N. J.

SATURDAY, AUGUST 16TH

Organized trips to leading plants and centers of production, by members desiring to visit these.

A number of entertainments, such as surf bathing, at all times, on the world's greatest amusement beach, dancing in the Million Dollar Pier ball room, etc.,



Display made by the Maywood Poultry Farm, Anchorage, Ky., at the Armory Show, Louisville, Ky., last winter. It will be noted that a table and chairs are provided in the center of exhibit, making a rest room for visiting fanciers; on three sides are displayed the varieties bred at Maywood.

and many other amusements may be indulged in by those who desire.

Every member can, at his leisure, as a guest of the New Jersey Branch, take the benefit of an ocean chair ride the length of the board walk, about five miles, and also have the privilege of guides in viewing the city.

GO TO ATLANTIC CITY, "THE QUEEN CITY BY THE SEA", AND RECEIVE A CORDIAL WELCOME!

As a health resort Atlantic City is justly famous the world over and stands without a peer for social amusements and summer recreation. Each year hundreds of thousands of people flock to Atlantic City for surf bathing, cool nights and all kinds of entertainment. Conventions innumerable meet at Atlantic City and frequently several conventions are in session at one time. Naturally Atlantic City has a great many hotels. Prices range from fifty cents a room upward. A large, cool, neat, clean room, with running water and other modern conveniences may be had from a dollar up. There are more hotels in Atlantic City than in the average town of a quarter of a million people. Therefore do not be scared away from this place of meeting for fear of high hotel rates. Both the president and secretary of A. P. A. know from experience that hotel rates are cheaper at Atlantic City than in many larger cities. Write them if in doubt about it.

Railroad rates to Atlantic City from practically all points in the United States are of the lowest. Atlantic City enjoys lower excursion rates every summer than any other city in the entire east. Because of its exceptional climate and many interesting amusements it has more summer excursions than any other city in the land. Do not forget to ask your local agent for railroad rates and full particulars.

GETTING READY FOR 1915 EDITION OF THE STANDARD OF PERFECTION

It will be found, on referring to the official A. P. A. programme herewith, that parts of two sessions of the thirty-eighth annual meeting of the association, to be held at Atlantic City, N. J., August 11th to 16th, are to be devoted to receiving the report of the Standing Revision Committee on the 1915 Standard; also that members of the association are asked to bring their Standards with them "for reference as to suggested changes."

The association does not have more important work to perform than its protection and gradual improvement of the Standard; therefore the handling of this matter should insure a large attendance at this year's convention, including many old-time, successful breeders who will feel that they ought to be present to look after the welfare of their breeds and varieties, and to help along the good work. Come early and bring a change of pajamas so that you can be in at the opening session and remain to help finish whatever is started.

The following important notice is published at the request of Secretary Campbell:

NOTICE OF REVISION COMMITTEE MEETING

Meetings of the Standard Revision Committee will be held at Indianapolis, Indiana, July 8th, and at Atlantic City, New Jersey, on August 9, 1913.

Hours and hotels where meetings will be held may be had later by writing the chairman, as these details have not yet been arranged. All persons, specialty clubs and associations having changes to suggest in the Standard of Perfection, are requested to either

appear or send representatives to one of these meetings.

Reese V. Hicks,
Ex-officio Chairman,
Topeka, Kan.

WM. C. DENNY WILL DO HIS BEST, FIRST TO LAST

It goes without saying that Wm. C. Denny, business manager and associate editor of AMERICAN POULTRY WORLD, is greatly pleased with the large vote received by him in the recent A. P. A. election as a candidate for three years' membership on the Executive Board. Mr. Denny was given the largest vote on the nominating ballots, also on the election ballots. For him to have been favored to this extent in competition with the several experienced, high-class, well-known men who asked for the same position, is an honor that Mr. Denny appreciates and will do his best to repay.

We can assure all interested persons that Will Denny always will be found working on the side of right and progress in his official capacity. Promotion of the poultry industry of America has become a life work with him. During all his years of personal endeavor thus far he has been actively engaged in different branches of the poultry business—of breeder, specialist, organizer, judge, sales manager, editor, publisher, committeeman, etc. Few men of his age have had a more varied and valuable experience in the poultry field.

To stand for election as a member of the Executive Board of A. P. A. was solely Mr. Denny's own idea. It was not suggested to him in any form or manner by the editor of A. P. W., and Mr. Denny's many friends may be sure that he will be entirely free from undue influence in the discharge of his official duties. The writer of these lines has never made it a practice to tie up in any way, on any proposition with men of putty. Any information or suggestions that we can give Mr. Denny, will be supplied promptly on request—and there the matter will end in every case.

Those who are interested in White Wyandottes should send for the illustrated circular issued by J. C. Fishel & Son, Box W, Hope, Ind., which contains interesting information for White Wyandotte breeders. When writing, kindly mention AMERICAN POULTRY WORLD.

CHICURE POULTRY REMEDIES

From a small beginning a few years ago, the King Remedy Co., Rochester, N. Y., manufacturers of Chicure Poultry Remedies, have made rapid growth and their output is now used in hundreds of poultry yards. Probably much of their success is due to the men behind the remedies, who are practical poultrymen and have made poultry, their ailments and well being a life study.

Their big factory at Rochester, N. Y., is now taxed to its utmost capacity to care for the rapidly increasing demand for their remedies, which goes to show that they are meeting with general approval among poultrymen. Their advertising appears on another page in this issue. Look it up and write them for circulars, and be sure and mention AMERICAN POULTRY WORLD.

REMOVAL

O. Wilson, Carlisle, W. Va., has transferred his big farm, his entire stock of S. C. Buff Orpingtons and all of his incubators, brooders and sundry equipment to the Cherry Lane Farm Co., Oak Hill, W. Va. The incorporation was formed for the purpose of taking over the Wilson plant and will continue to handle the business that it has been Mr. Wilson's pleasure to serve. Mr. Wilson will retain the active management for the new company and will continue the trap-nesting systems that he has been practicing to the end that a high-producing strain may be firmly established. They will be able to spare some hatching eggs after the first of June at half price, and those who have postponed their orders should write either Mr. Wilson or the Company at their address at Oak Hill, W. Va.

WINNIPEG POULTRY SHOW

The poultry show at the Winnipeg Exhibition yearly attracts a huge entry of the finest birds. This year the show will contain in the neighborhood of 3,000 birds. The value of the hen to certain districts of America is so great that it is a matter of fact one of the most profitable assets and the Winnipeg Exhibition Association, by offering attractive prizes and assuring the best poultry show in Western Canada, are assisting to the utmost in bringing the merits of poultry raising before the people of Western Canada.

The closing date for entries this year is June 21st, but the officials are urging that all who are able should forward them before that date in order to save as far as possible the rush at the last moment.

Harrison's Royal Reds have established a splendid reputation as winners of high honors at leading shows. At the Chicago and Indianapolis shows they won ten out of twelve firsts and twenty-seven other regular prizes. A splendid catalogue describing these winners may be had on request, addressing F. E. Harrison, Box A, Menominee, Mich.

SPECIAL CLEARANCE SALE

Of High Class Selected Breeding Stock.

The pressing need of room for our thousands of growing chicks and ducks forces us to dispose of our breeding stock at once. To move them quickly, the following exceptionally low prices have been inaugurated:

2000 S. C. White Leghorn hens at \$1 each in lots of ten.

300 Pekin Ducks Selected breeders \$2 each.

200 R. I. Red Breeders \$1.50 each.

Our **Pekin Ducks** are noted for their size and wonderful egg production. Our **White Leghorns** and **R. I. Reds** are bred for size, egg production and early maturity. Order direct from this "ad" and save time, we guarantee satisfaction.

FAIRVIEW FARMS CO., Robt. Herman, Mgr., ORCHARD PARK, N. Y.

COLOR OF ANCONAS

Editor of The American Poultry World:

Pardon the liberty I take of imposing my views upon the readers of your paper, but as a breeder of Anconas, and president of the Canadian Mottled Ancona Club, I have for some time just felt very strongly the importance of bringing before the breeders of poultry, and more particularly, those interested in the breeding of Anconas, that we were surely but gradually drifting away from the Standard called for in these fowls and making them almost a black bird instead of a mottled one. If we carefully look at the Standard, we find that it demands that 20 per cent. of the entire bird's coloring must be a V shaped tip of white, thus giving the bird a beautiful mottled appearance; this evenly distributed all over gives a striking beauty, impossible to be found in a bird of one solid color. Then if we are to have Anconas, let us have them as the Standard calls for, neither Black Leghorns nor birds which have white wings and tails.

Our club has carefully prepared a Canadian Standard of Perfection which provides for equally as heavy cutting a bird's score for lacking white markings, as it does for too much white, but during the last season we have seen the strangest judging of these birds possible, the two extremes so that the breeder did not know where he was at, and I could quote you at least ten poultry shows where the birds winning firsts had 20 per cent. of their wings and tails pure white and about 90 per cent. of the balance of their body white; on the other hand, I could also quote you 20 or more other shows where not 5 per cent. of the bird was tipped even with white, that carried off the first prizes.

Now, what I would like to know, would be to hear the explanation from some of our leading judges of Anconas, who judged these birds, in what way they arrived at their decision and how they conscientiously decided in favor of either of these birds, taking into consideration the fact, that according to the present Standard of Perfection, 34 points go for color alone and 34 only for shape, therefore, neither of the above described specimens would count a single point for color, and in the face of this fact were the birds perfect in every other respect, the highest possible score they could make would be 64 points. If I understand the Standard of Perfection correctly, to receive a first prize, the specimen must score 90 points or more, except cocks, in all parti-colored varieties, which may be awarded first prize, provided they score 88 points or better,

for each receding prize drop one point therefore, a bird as above described, could not possibly win even a fifth prize, and yet with all due respect to our judges, during the past year, they have awarded prizes, to birds, that were in reality disqualified, but I do not think that this is wholly due to misjudging on the part of our honorable judges, but more rather due to the fact, that they have tried to meet, the apparently growing popular view of a large number of breeders for what they term, Black Anconas, and the older judges have followed the idea of the old breeders of Anconas, that white was an emblem of purity and you could not have too much of a good thing. I admire the man of the type of Wellington even if he does receive the title of the Iron Man, who has sufficient individuality that cuts his own line, following the Standard of Perfection, places his awards, fearlessly and without favor, where they justly belong, and teaches the breeder that it is neither fancy or fad, but a question of models of perfection we want.

Now is the time gentlemen, we, as breeders of Anconas, should prepare for next year's exhibits, therefore, in selecting your breeding pens and your eggs, for show specimens, prepare and do not be disappointed, if you should see your Black Leghorns if placed in the class of Anconas not receive the much coveted blue ribbons. Dr. A. H. Hall, Canada.

WHY I BREED THE ORPINGTON DUCK

By J. H. Wendler

Though ducks have only recently become popular, I have bred them for many years, hving from infancy had an insatiable taste for ducks and duck eggs, which I consider of a finer flavor than hen eggs, and this same taste for ducks seems to have descended to my family as well, hence I breed ducks and breed them extensively.

When the Indian Runner first appeared on the horizon, I bought a pen of the best I could get and from these bred a very large and fine flock, and bred them for a long time, but they soon became so common that the sale of eggs for hatching and market fowls was practically destroyed by the numerous people engaged in their culture and who for lack of knowledge as to how to market them, sold the eggs as low as 50c per setting and the ducks as low as 50c per head, hence there was little left in it for the breeder.

About the time when things began to look the worst, the Orpington Duck was commencing to claim the attention of the poultry world, and seeing in them, if they were as advertised, a

magnificent future for the man who got in on the ground floor, I secured a pen of stars as a try out.

My first worry or surprise was the fact that while being a larger duck than the Runner, they seemed to eat very little and I was inclined to think they were not adapted to this climate, in fact my friends often remarked that they could not see what they lived on (these same friends had been accustomed to feeding Runners), but soon they started to lay and such a yield of eggs as would surprise a "brass monkey". The eggs ran high in fertility and hatched well and the ducklings were easy to raise, hence I soon learned that the Orpington Duck was not the gormand that the Runner was and that they thrived and laid well on less than the Runner, even though they were twice the size.

It therefore appeared to me that this was the duck that I was looking for, and therefore I disposed of all the Runners and the Pekins on my place and gave over to raising the Orpington Duck exclusively, for they fill the bill as a meat breed and layer combined as no other fowl, either land or water will.

I believe that the Orpington Duck has a great future and am pleased to note that the New York State Fair will have classification for both the Blue and the Buff at their next fair. They are a good duck either for fancy or utility and I would like to see some big classes of them at the coming shows.

Our readers' attention is called to the advertising of Manhattan Farm, found on the inside front and back covers of this issue. Manhattan Farm is owned by Geo. Noeth of Brighton, N. Y. Mr. Noeth is breeding Silver and Golden Campines and Black and White Malines. The attention that is being given to Campines by the poultrymen of America is very strong and they are undoubtedly in for a period of popularity. Campines are to the people of Belgium what the Leghorns are to the poultrymen of America, the egg producing breed. The eggs are pure white in color and are very large.

The Malines are the meat producing breed of the Belgians. The flesh is very soft, tender and juicy. Mr. Noeth has published some attractive and interesting advertising matter on both varieties that he will send to readers of AMERICAN POULTRY WORLD on request. Address Manhattan Farm Brighton, N. Y., and mention AMERICAN POULTRY WORLD.

For High Quality BARRED ROCKS
at Moderate Prices, Write
C. H. BOSHEN, ASHLAND, VA



PURITAN PARTRIDGE ROCKS

THE BEST QUALITY FLOCK IN AMERICA

1000—Hen-Hatched Chix—1000

Strong and Healthy, Real Rocks in Type and the Most Beautiful Colored Specimens ever bred. They are bred from **First Prize Winners** at the **Great Shows of America**—CHICAGO, MADISON SQUARE GARDEN, INDIANAPOLIS, KANSAS CITY, CINCINNATI, LOUISVILLE.

If you are expecting to **Win** at the **Fall Fairs** better book your order. Persons purchasing **Puritan Partridge Rocks** will **Win**.

A FEW HIGH CLASS BREEDERS FOR SALE

BESUDEN BROS., C. A. Besuden, Prop., R. W. Sturtevant, Mgr., Box 359 W, Cincinnati, Ohio

EDITORIAL NOTES AND COMMENT

WILLIAM C. DENNY

— ASSOCIATE EDITOR —

Theo. Hewes, editor and part owner of *Inland Poultry Journal*, has developed a severe case of peevishness regarding American Poultry Association affairs that might be amusing to those who know him, if it were not a serious matter to have one who has enjoyed the honors and benefits that have come to Mr. Hewes through his connection with the association, assail earnest members who are giving freely of their time and best efforts to up-build the Standard-bred poultry industry.

In his latest outbreak, an editorial in the May issue of *Inland Poultry Journal*, Mr. Hewes states:

The American Poultry Association and its doings will be reported only as we deem them of value to the average reader. As it is conducted today it is simply horse play, with a few men running it for the benefit they may get out of the illustrations and the cheap notoriety that comes from having their names and their pictures in print. We do not believe that 5 per cent. of our readers know any great deal about it, and they care less. A general clean-up of the old bosses would, no doubt, purify things for a time and at least give it a better standing with the general public. It has a certain duty to perform in giving to the fanciers a standard for breeding and judging thoroughbred fowls, and should the breeders themselves have the moral courage to take this work out of the hands of the editors and incubator men and make it a real breeders' association, this Standard would have a value far beyond its present worth. But they will do no such thing. They will go to the meetings fully prepared in their minds to do great things, and they will lobby and consult with one another and decide to put a quietus on the old gang. Then they will attend the meeting and listen to a few outbursts of school boy oratory and vote with the gang for whatever the gang wants.

That is politics the world over, and you have a nice, juicy bunch of it in the American Poultry Association affairs at the present time. So, ring the bells merrily and on with the dance. After the old bunch trims you to a standstill they will allow you to sit with them at the banquet at so much per sit, and then, about a year after it is over, you will get a copy of the proceedings and you may be able to see your name in print (spelled wrong of course), but you can show it to your little boy and tell him how near his papa came to saving the nation. Perhaps some time when we are idle and the fish won't bite, we may decide to write a little booklet and tell the dear public about the queer stunts we have seen this bunch pull off. If we do it will be in book form and offered only to those who are foolish enough to buy it. We shall never use the valuable space in this publication, for it isn't worth it.

Mr. Hewes should be heartily ashamed of himself for being father to such rot and misrepresentation of facts, for there are those who will take his false utterances at full value. For instance,

the above quoted editorial is taken as a subject for an article that appears in a Philadelphia daily paper under the heading "Politics Doing Great Harm to All Poultry Interests". It was written by F. V. L. Turner, who labors under the title "Secretary of the Advisory Board", referring to the Egg Laying Contest that is being conducted at the Connecticut Agricultural College by the publication with which Mr. Turner is connected. So far as our knowledge goes Mr. Turner's experience with the poultry industry has been rather brief, but with the ardor and confidence of a novice, each week he seemingly takes delight in attempting to write on poultry subjects and matters with which he is not familiar, if one were to judge by the conclusions that are drawn.

For a number of weeks Mr. Turner has been picking here and there finding fault with the American Poultry Association and loyal members connected with it, and it is no wonder that he welcomes the Hewes editorial and nestles up close to it like a kitten to a warm brick, as the following paragraph would indicate:

"When the inside turns against the inside to help the outside, usually the fur flies. Editor Hewes, of the *Inland Poultry Journal*, thus disports himself in his favorite element, much, we believe, to the personal discomfiture of 'those present'".

Up to the time of publishing the proceedings of the last annual meeting, and so far as the records show the names of those who have joined since then, Mr. Turner had not taken it upon himself to become a member of the American Poultry Association, nor has he, so far as we know, ever attended any of its annual meetings. Consequently he would not be in a position to know of the important work and undertakings of the association.

Mr. Hewes has no defense for his statements. As one who has been a member of the association for twenty-two years, an officer on numerous occasions, and a member of several revision committees, he should know that the American Poultry Association has undertaken and is now doing more important work and is in a more flourishing condition than at any other time in its history.

There was a time when Mr. Hewes exerted a wide influence in American Poultry Association work, but since the adoption of the present constitution which took the control of the American Poultry Association from

the politicians and handed it back to the members, Mr. Hewes has only been content to mark time, while the association has continued a march of progress. It does not seem necessary to recall that in the old days very few members were sufficiently interested to attend annual meetings that were held in connection with some winter poultry shows. These meetings and the business of the association was controlled by a few members for the benefit of themselves and their friends. Since the association was re-organized in January, 1907, the membership of the association has grown from less than 800 to nearly 4,500 and as an indication of the wide spread interest in the association's work 2,670 members voted in the last election. With this before him, the reader is left to draw his own conclusion as to the weight and reliability of Mr. Hewes' remarks.

It is not a difficult matter to assail and criticize the objects and efforts of an association or individuals, but it is poor policy to merely guess at things as Mr. Turner does when writing of American Poultry Association affairs, or to blackguard the efforts of officers and members as Mr. Hewes is doing when he knows better. It would be more worthy of Mr. Turner to join the A. P. A. and to have he, Mr. Hewes, and others of their kind make practical suggestions that could be adopted whereby the association could accomplish more and better work and extend its influences for the betterment of all concerned.

—O—

In his article, "Duck Eggs and Their Uses", published elsewhere in this issue, the author, Mr. C. S. Valentine, refers to testing the food value of duck eggs at the Texas State University. The eggs for the test were furnished by Mrs. Benigna G. Kalb, of Bellaire, Texas, whose letter on the subject follows:

"During 'Home Economics' week at the Texas State University, held under the auspices of the University Extension Department headed by Dr. Caswell Ellis, and upon the lecture program of which were some of the best known in this field for various states, I sent to Miss Rich, extension lecturer, a dozen typical Cumberland Runner eggs, and requested that experiments be made with same during the 'egg demonstration', and their conclusions concerning the qualities and value of same be reported upon to me, whatever it might be. Miss Rich wrote me that they had never before handled the Indian Runner Duck egg, having held the generally accepted opinion that they were 'like all duck eggs—strong', and they were



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ARCADIA, INDIANA

surprised and delighted with the fine, large size and 'whiteness' thereof, and that the exhibit prior to the testing, attracted a great deal of attention. The test, of course, was not a scientific one, as time did not permit, and report as follows: 'We poached them, made omelet of them, and feel quite certain of at least two points: The Indian Runner Duck egg is equal in food value to about one and a half eggs. Also, that the Indian Runner Duck egg contains more moisture than the hen egg. This last point is illustrated by the fact that it takes a longer time to beat the white dry, and also that in cooking the eggs, a transparent color rather than opaque results. The flavor of the egg is a decided improvement on the hen egg. We did not have time to go into any real scientific analysis of this product, but it was talked of and discussed a number of times and the nest of eggs in the basket made an interesting display. Surely we are indebted to you for adding so much to our exhibit.'

It is of importance to note that in the above report special emphasis is made in regard to the flavor of duck eggs, and that they are much larger. While feeding, no doubt, has a material influence in flavoring both hen and duck eggs, there is a decided difference between them, at least duck eggs that we have sampled for table use have usually been much stronger in flavor than hen eggs, but for this quality and increased size, duck eggs are favored by many bakers and restaurants.

Mrs. Kalb reports an inquiry for duck eggs from the manager of a restaurant because "they were far better for cooking and for use in every way except individual service (because they were not able to get more for furnishing the larger eggs)".

While the Indian Runner Duck is noted for egg production, it has also been found to meet the requirements for a market duck that is smaller than the Pekin. A well known firm of duck raisers that have had wide experience with Pekins for market, recommend the Indian Runner as a "broiler duck". They claim that they can be made to weight from 3 1/2 to 4 1/2 pounds each in about the same length of time required to produce Pekins that weigh 4 1/2 to 6 pounds each. It is further stated that they do not consume nearly as much food, and that they are fully as hardy.

There is no question, but what the Indian Runner Duck has found a place among the leaders of the duck family and will continue to be popular because of its splendid utility qualities.

The popularity of the Campine fowl and the growth of interest in that breed in America is well illustrated in the development of the American Campine Club that affected a temporary organization in the spring of 1911 and became permanently organized at the New York show, December, 1911. In a recent letter from M. R. Jacobus, the well known secretary of the club, he states that the club now has 302 members and that their goal is to

have one thousand by January 1st, 1914, which, by the way, is some undertaking for a comparatively new organization.

Mr. Jacobus also announces the adoption of the revised Club Standard by a mail vote of 136 to 7. All members of the club in good standing are entitled to copies of the Club Standard without cost, while non-members can secure them for 10 cents each. Mr. Jacobus will be pleased to hear from all parties interested in Campines and to furnish them with information regarding club work. Address him at Ridgefield, N. J.

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The list of American Poultry Association State Branches continues to increase. Secretary Campbell announces the organizing of a new branch in the State of Idaho, and the election of Miller Purvis of Wendell, Idaho, and H. O. Tuytherleigh of Coeur d'Alene, Idaho, as temporary president and secretary respectively.

—o—

Chas. McAlister, who has been filling the editorial chair of *Western Poultry Review*, published in Seattle, Wash., announces in the May number that he has purchased the paper and in the future will be responsible for the editorial and business policy. For years Mr. McAlister has been a prominent contributor to the poultry press of the Northwest and for the past two years he has conducted the Pacific Coast Department of the *Reliable Poultry Journal*. Mr. McAlister enjoys the wholesome respect of the poultry fraternity, who wish him success in his new undertaking.

—o—

Supt. W. H. Manning of the New

ALDRICH WHITE ORPINGTONS—THE STRAIN OF QUALITY

Our pens contain over 200 prize winners from this and last season's shows at Chicago, Baltimore, Cleveland, Pittsburgh, St. Louis, Allentown, Augusta and Madison Square Garden. Write your wants or send for new catalogue with color plates and description of all pens.

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ALT'S REDUCTION IN S. C. RED EGG PRICES WILL INTEREST YOU After May 10th prices will be reduced as follows: Pen headed by International 1st cockerel at Buffalo, 1913, reduced from \$15.00 to \$10.00 per setting. Eggs from \$10.00 matings reduced to \$7.00, \$5.00 matings reduced to \$3.00. Order from this ad. Mating List sent on application.

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Roup prevails more or less at all times. **CHICURE ROUP CURE** effectively wipes it out, 25c, 50c and \$1.00.

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BUFF, BLACK, PEARL WHITE

I will furnish this month \$35 and \$50 Breeding Pens consisting of four females and male, at HALF PRICE. A setting of \$5 Eggs goes with each Pen gratis. Next winter you will appreciate this special offering if you order now.

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Orpington Specialist 15 Years,

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BUFF WYANDOTTES WHITE
Winners at leading shows for 14 years. Special prices on 1912 breeders. 1000 growing chicks for the fall and winter shows. Circular Free.
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S. C. White Leghorn Day-Old Chicks For Sale

* * * You can not afford to subscribe for your magazines before consulting our Clubbing Catalogue—it saves you money—Send today for copy, it's free * * *

York State Fair announces the following appointments of poultry judges and the classes to which they will be assigned at this year's exhibition that is to be held Sept. 8-13 inclusive:

W. C. Denny, all Plymouth Rocks. J. H. Drevenstedt, all Wyandottes. N. V. Whitbeck, all Asiatics. W. Theo. Wittman, White, Silver Leghorns, Anconas, Andalusians, Minorcas. George H. Burgott, Brown, Buff, Black Leghorns, Dominiques, Spanish. W. H. Card, Rhode Island Reds, Polish. W. B. Atherton, Orpingtons, Hamburgs. J. D. Jaquins, Javas, Red Caps, La Fleche, Dorkings, Oriental Games, Turkeys, Miscellaneous. F. L. Platt, Campines, Buttercups, Buckeyes, Houdans. F. B. Zimmer, Games and Game Bantams. W. J. Stanton, Ornamental Bantams and Pigeons. G. D. Tilley, Waterfowl. C. E. Twombly, Pigeons. Prof. Jas. E. Rice, Table Eggs

The above list includes several new names as well as those of a number who have placed awards at New York State Fairs of the past. Most conspicuous of those in the latter class is F. B. Zimmer, who will place the awards on Games and Game Bantams. "Zim", as he is known to the older poultrymen, was a few years ago one of the most popular men that ever donned a duster. Of late years his judging work has been curtailed because of the close attention required by a large business in the breeding and sale of Beagle Hounds and Cochin and Game Bantams.

An advanced premium list of the poultry department, containing an increased classification, will be ready for distribution in June. Copies can be obtained by addressing the Fair Secretary, A. E. Brown, Syracuse, N. Y.

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In keeping with the spirit of the times, the Empire Poultry Association has issued a booklet that sets forth the advantages to be gained for poultry breeders through exhibiting their choice specimens at poultry shows. The booklet, which consists of sixteen pages, presents excellent facts and reasons in such an interesting and convincing manner that we consider it well worth while for every reader of A. P. W. to take the trouble to send for a copy.

The Empire Poultry Association was organized by Long Island poultrymen seven years ago and for three years annual shows were held at Richmond Hill. These exhibitions grew until the accommodations and facilities at Richmond Hill were inadequate and it

was necessary to go where a larger hall, better shipping facilities, etc., could be secured. After deliberation New York City was decided on and for the past three years exhibitions have been held in the Grand Central Palace, through which the exhibitions have come to be known as the Grand Central Palace show. That name being rather unwieldy, "Grand Central" has been dropped and the show is now known as the Palace Show.

A slogan, "The Lucky Seventh", has been adopted for next winter's show to be held December 2-6. Several innovations are to be introduced according to the following letter from Secretary Howell:

"Editor American Poultry World:

"We believe that many A. P. W. readers will be interested in a new departure in show management, to be used this year at the Palace Show, New York City.

I. We will send a leg band marked Palace and numbered to correspond with the coop number for each poultry exhibit.

This will assist greatly in the prompt return of any specimen that may go astray in shipment, or should a bird get out of its coop, it can be easily identified. An exhibitor, sending two birds of the same kind, will know at once which bird was placed, and if two birds are exhibited, and one for sale, it will avoid error.

II. The shipping tag will contain complete record as follows:

A. Instructions for shipping to and from the show.

B. Coop number in bold face type, similar to that on coop, and readily distinguished from class numbers.

C. Class numbers will be in small figures, and variety will be written out, thusly class No. 1, Barred Rock Cuck.

D. Selling price, if any, has been given.

E. Space for return shipment valuation.

The Express Company now insist that the management declare a value. We will declare value at any figure indicated, and if no figure stated, at regular rate and value \$5.00 per bird.

"Yours faithfully,

"L. D. Howell, Secretary."

Furnishing exhibitors with leg bands to correspond with coop numbers is a splendid idea, and if exhibitors will be careful in co-operating with the Palace Show management, there need be no reason for any confusion in cooping birds or in their going astray when being returned from the exhibition. It is an idea that could well be carried out to the advantage of the management and patrons of all large shows.

The officers of the association include numerous well known poultry breeders as follows: President, Robert

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The Great Canadian Poultry Show

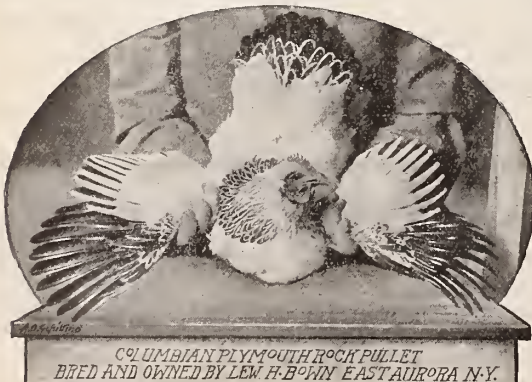
ENTRIES CLOSE JUNE 21

Fair rules and generous prizes give promise of making this year the largest and best in the history of this great poultry and live stock show.

Forward your Application Blanks at once

Specials for all breeds. Competent judges

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COLUMBIAN PLYMOUTH ROCK PULLET
BRED AND OWNED BY LEW H. BOWN EAST AURORA N.Y.

Aurora Columbian Rocks

Winners at Madison Square Garden, New York, 1913, 1 Hen; 2, 4 Cockerel; 4 Pullet. At Buffalo International Show, 1913, 1, 3 Cuck; 1, 2, 3 Hen; 1, 2, 3 Cockerel; 1, 2, 3 Pullet; 1, 2 Pen.

Aurora Columbian Rocks are grand winter layers. They have yellow skin and legs to meet the requirements of the best dressed poultry markets. They grow rapidly and are very hardy and do well when it is necessary to confine them to the limits of a town or city lot. They are the same size and type as all the other varieties of Plymouth Rocks, and have the attractive and beautiful markings of the grand old Light Brahma.

Every bird in my matings for this season will be a winner or directly related to one, and when you order eggs you will get them from the same pens as I use. Careful selection of my breeding stock will limit the supply of eggs for hatching. Now is the time to order Eggs from the best matings of Columbian Rocks in America, \$5 per 15.

LEW H. BOWN,

EAST AURORA, N. Y.

Seaman; first vice-president, Capt. C. E. Arnold; secretary, L. D. Howell; auditor, A. H. Myers. The directors include the above officers and Capt. C. A. Brown, J. D. Harcombe, F. H. Wells and E. B. Sprague. Information concerning the show should be addressed to L. D. Howell, Secretary, 189 Montague St., Brooklyn, N. Y.

During the summer a number of well known poultrymen are planning business and pleasure trips to foreign lands. In June, Chas. A. Staaff, the well known manager of Onlya Farm, leaves for a trip to Sweden. After visiting the scenes of his boyhood in the fatherland, Mr. Staaff will return by way of England, in time for the fall shows, at which he has prepared to exhibit a big string of White Wyandottes. It is not generally known that Mr. Staaff has met with success in producing a strain of Barred Wyandottes that will soon be brought out.

Frank Conway, poultry manager for Hugh A. Rose, Welland, Ont., leaves for a six weeks' trip to Europe on June 7th. Previous to his coming to America several years ago, Mr. Conway was with A. C. Major, England's most successful breeder of Dorkings.

Another poultryman who will visit England is John W. Ward, Jr., of Pennington, N. J., well known as a breeder of Cornish fowl. Mr. Ward leaves in August and will return in the fall, after visiting a number of the early shows on the other side of the "big pond", where he expects to get a line on the season's production of Cornish, as produced by English experts.

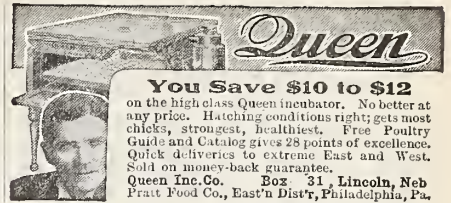
Owing to a lack of space it is necessary that the balance of the comments on the double mating of Barred Plymouth Rocks, that were to appear in this issue, be held over until July.

COLUMBIAN WYANDOTTES

By Levi A. Ayres, Granville, N. Y.

In my opinion the Columbian Wyandotte can not be beaten as layers. By many breeders the Leghorns are supposed to be the best layers in existence, but I have kept them and the Columbians side by side and the latter held their own. One hears a great deal about the Leghorns beginning to lay early in life, but mine did not begin very long before the Columbians did and at eight months of age the Wyandottes were laying twenty-five per cent. better. In past years, before I bred Columbians exclusively, I tried about a dozen of the most popular varieties and gave each a fair trial. Some I liked quite well and others not at all, but after trying Columbian Wyandottes, I decided that for all around fowl they could not be beaten. There is another point that I wish to touch upon and that is breeding for fancy points and ruining their utility value. I think we have read many times that one can not obtain the highest laying powers and the ability to win prizes in the same bird. I have proven that this is all wrong. One of the best pullets I have ever owned began laying the latter part of

last November, has laid almost continually through December, January, February, March and is still laying nearly the middle of April at this writing. She has never been broody once in this time. Her exhibition record is not far behind her laying record for I have shown her three times and she has won three first



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Eggs for Hatching from the Champions of the Buff Rock Club Meeting. This is your chance to get something good.

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IDEAL POULTRY YARDS, SHILLINGTON, PA. A grand lot of young and year old birds for sale. Bred from our constant winners. Look up our records. Specials won wherever shown. If you wish to improve your stock, get the best in the world, bred by Ideal Poultry Yards.

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FOGG'S SINGLE COMB WHITE LEGHORNS

Our baby chicks are the kind that live and eggs for hatching will produce that kind. We guarantee safe arrival of eggs and chicks. Send for mating list now.

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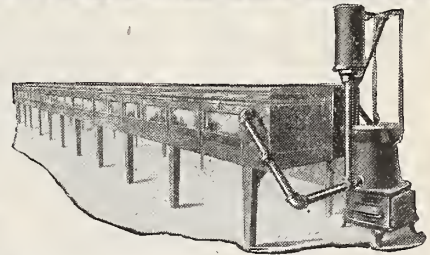
We won at Boston, 1913, 6th cock, 4th pullet and special on only 3 entries in a hot class. **GET OUT OF THE RUT** Try some of our pedigree stock out of 200 Egg per year Hens. Fine Cockerels, Cocks and Females. Book your order for Eggs and Baby Chicks now. 200 Egg Chicks \$20.00 per 100. Eggs half as much. Get Vermont stock of this breeding and be at the head. Write wants for booklet.

SUNNYSIDE POULTRY FARM, BRISTOL, VERMONT

Woodcrest Partridge Wyandottes Why did they win every first prize on Cocks, Hens, Cockerels and Breeding Pens.

at Boston (the greatest show in the country), Providence, Springfield, Milford and Worcester this season? Because they are Champions line bred from Champions. It's in the blood. I can sell you birds from \$5 upwards. Eggs for hatching \$10 and \$5 per fifteen. A trial will make you a winner. Try it. **CHARLES H. WOOD,** 340 Main Street, WORCESTER, MASS.

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- Make this comparison fairly and thoroughly.
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prizes, including first prize in a class of 11 at the club meeting in Rochester this year.

Before we can put the Columbians on top where they belong, we must combine high laying powers with a high degree of perfection in markings in the whole flock and then prove to the people that they possess these qualities.

I will try to give an idea of the way I mate my breeders. First I select as many of the best males as I intend to have pens, then I remove the other males and proceed to cull out the other females having poor type, light eyes, comb too large or without a spike and all birds having weak markings in any section. It does not pay to breed cheap stock for in doing so is going backwards instead of forward. Next, I start through the pens looking for some of the best females that I think will "nick" well with the best male birds, always keeping the male's weakest points in my mind so as not to give him a mate that is weak in the same spot. When I have enough females picked out for my best birds, I take the second, and so on in the same manner until they are all mated, one thing that everyone should be careful about in breeding from a bird with a large comb, no matter how good otherwise, and this is especially true in males. Nothing detracts from the looks of a bird more than a large, hollow comb and a gray eye. To my way of thinking, a small regular comb and red eye will add dollars to the value of an otherwise good bird. I have hens with deep red eyes at four years of age and I have also had pullets with red eyes and the next year their eyes turned gray. Never breed the second year from the last named. The same with the wings. If a black wing moults in half or two-thirds white do not breed from such a bird again. If you are trying to decide which of two birds to use and one has some white where it should be black, but the black and white do not intermingle, the white being snow white and the black jet black; the other bird having no white but brown instead of black, then by all means choose the black and white bird. Always use plenty of color in your matings, but be careful not to have the same extreme of color in both sexes. Try to have most of the birds medium in strength of coloring if possible. Under-color plays an important part in breeding, and although it should be bluish white, the principal thing is to have it white next to the skin. Some breeders do not like saddle striping on the male, but it is a hard proposition to get solid black tails with well laced coverts on the chicks if the sire has no saddle striping. Before closing I wish to place emphasis on the most important point in breeding Columbians and that is **SHAPE**. First of all we must strive for wide, deep breasts, breadth across the back and short backs and the other things will come right in time.

Every poultry keeper should have a copy of the Chick Book, a reliable guide to success in rearing chicks. The Chick Book gives you thorough and reliable instruction on rearing chicks by both natural and artificial means, the experience of successful poultry raisers is given and trustworthy information and advice is furnished on all problems connected with the rearing, developing and fattening of chicks. Special chapters on breeding, incubation, brooding, care and food, summer and winter care, market, etc. Price 50 cents post paid. A copy of the Chick Book and a year's subscription to AMERICAN POULTRY WORLD for 75 cents.

H. W. Halbach, proprietor of Riverdale Farm, Waterford, Wis., breeder of White Plymouth Rocks, reports a splendid season's business. He informs us that he has a grand lot of excellent breeding pens for sale at reasonable prices. Intending purchasers should write to him for further particulars.

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WHITE PLYMOUTH ROCKS

Black and White Cochins Bantams, winners.
Stock only.

Theodore Poole, Emma St., Syracuse, N. Y.

ENGLISH PENCILED (Cumberland) RUNNERS

Hatching eggs from pens in which are my Philadelphia, Madison Square Garden and Boston FIRST PRIZE and CUP WINNERS Heavy Laying Barred Rocks. They make great records in the hands of my customers.

MRS. ANDREW BROOKS, BROOKHAVEN FARM, AUBURN, N. Y.

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Winners at New York, Hagerstown, Baltimore, and the Great Washington, D. C. Show. Both exhibition and breeding stock and eggs for hatching. Send 8 cents in stamps for descriptive catalogue and history of America's greatest breed.

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KIEVIT WHITE WYANDOTTES Again make a great win at Passaic in hot competition for the National White Wyandotte State Cup, winning 1, 4 cockerel, 2 hen, 3 pullet, 1 pen, special for best pen in show, all varieties competing. Eggs, \$3, \$5, \$8, \$10 per 15. 100 first class cockerels, hens and pullets \$3, \$5, \$8 and \$10. Mating List.

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Reepmeyer's Silver Laced Wyandottes Again Big Winners. This season at Grand Central Palace on four entries we won First Cock, First Hen, Third Cockerel, First Pullet. Madison Square, 2nd Cockerel, 2nd Pullet. Last season at Philadelphia in the largest and best class of Silvers ever shown we won First Pullet. At Buffalo, N. Y., First Hen. These winnings stamp them champions. Eggs from these winners \$5 per 15. Book your orders now. Write

J. REEPMAYER, Jr., CRAIG, Schenectady Co., N. Y.

Summer Sale of Blink Bonnie S. C. White and S. C. Buff Leghorns Note the prices. A fine lot of two year old breeders at 75 cents each. Choice yearling breeders at 1.00 each. Also a few cockerels at \$3.00 each. Order direct from this "Ad". First come first served.

Scotch Collies for Sale. BLINK BONNIE POULTRY YARDS, Box W, BATH, PA.

Plymouth Rocks Only

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GREAT NECK, L. I.

S. C. WHITE LEGHORNS S. C. BLACK MINORCAS

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THEY LAY

THEY PAY

Park View Poultry Yards, Box W, E. A. Waring, P. O. Box No. 3, Sta. C, Memphis, Tenn

URBAN FARM CHAMPIONS

We will spare a limited number of settings from our prize winning

Black Langshans, White Rocks, S. C. Mottled Anconas, Silver and Golden Campines, Black Tailed Japanese Bantams

At Boston Show, 1913, three varieties shown, our entries won eight firsts, four seconds, two thirds, one fourth, two fifths. Of 34 birds shown, 29 were under the ribbons. Mating list for 1913 on application. Correspondents please write their name and address plainly.

URBAN FARMS, Pine Ridge, BUFFALO, N. Y.

SILVER CAMPINES

They win for us. Our strain will win for you. We won at Cleveland, 1912, all firsts. At Cleveland, 1913, 1st cock; 2nd, 3rd and 4th cockerel; 1st, 3rd and 5th pullet, 2nd pen and Silver Cup for best display. Eggs \$5.00, \$10.00 and \$15.00 per setting of 15.

HOPKINS & WERNICKE,

BEREA, OHIO

*** Get a copy of the corrected Standard. We supply it—send your order now ***

Barred Rocks Neafie Bros. White Rocks
Madison Square Garden—Philadelphia—Trenton Fair
We have egg orders booked from some of the largest and oldest breeders in America. Another convincing fact. Some fine stock for sale. We raise all our winners.
Neafie Bros., Drawer N-1, Spring Lake Beach, N. J.

McEwan's Partridge Wyandottes

Winners at Madison Square Garden, Albany and Rochester and elsewhere. I advocate and practice single matings only. Eggs at reasonable price.
C. B. McEwan, Albany, N. Y.

Harter's Imperial "Golden" Buff Plymouth Rocks
Send for mating list. It describes our 1913 breeding yards, the finest we ever owned. Eggs from the same pens we use for ourselves—\$5.00 and \$10.00 per setting.
NESCOPECK POULTRY FARM, S. H. Harter, Prop., Nescopeck, Pa.

Relyea Rose and Single Comb Reds

Bred for utility and exhibition. Eggs from exhibition matings \$3.00 per setting, two sittings for \$5.00. Incubator Eggs \$5.00 per hundred.
SUNNY BANK POULTRY FARM, ONEONTA, N. Y.

125 Egg Incubator \$10
and Brooder BOTH FOR
If ordered together,
Freight paid east of
Rockies. Hot water,
copper tanks, double
walls, double glass
doors. Free catalog
describes them. Send for it today.
Wlaconsln Incubator Co.,
Box 59 Racine, Wis.



Advertisement for a poultry product or service, likely related to the incubator or brooder mentioned in the adjacent block.

SPECIAL SALE OF BREEDING STOCK

As the hatching season is practically over, Dunrobin Farm, A. B. Dalby, Prop., Red Bank, N. J., has decided to dispose of this year's breeding stock consisting of the following: 300 yearling and 100 two year old S. C. White Leghorns, 100 White Orpington and 100 Buff Orpington yearlings. These are all selected breeders and will be sold singly or in lots to suit the purchaser. As will be noted, the majority of the stock offered are yearlings, therefore, will make the best of breeders for next season's matings. Those who wish to strengthen their flocks in the above varieties should get into communication at once with Mr. Dalby and secure some of these birds, as it is an opportunity one can not afford to pass by if it is desired to secure stock that is backed up by years of careful breeding for standard and utility requirements. Buff Orpington Ducks are also a specialty on this farm and judging by favorable reports from those who have bred them they are destined to become very popular and it is said that they rival Indian Runner as layers. Write today to Dunrobin Farm, Box W, Red Bank, N. J., for further particulars and prices.

ONLYA FARM

On another page of this issue Onlya Farm, Florham Park, N. J., make announcement that they have for immediate disposal about 100 hens and 25 cockerels and cock birds of the noted Onlya Farm Strain of White Wyandottes. These birds are quoted at prices ranging from \$2.50 up to \$5.00 depending upon the quality. Onlya Farms have a very enviable show record made at leading shows throughout the country, and it goes without saying that those purchasing stock from this farm will secure full value for their money. Look up their ad and write today.

SPECIAL SALE

Robert Herman, Mgr., Fairview Farms Co., Orchard Park, N. Y., advises as they have out an unusually large number of chicks and ducklings that it is necessary to dispose of this season's breeding stock in order to give these rapidly growing youngsters the room required for their rapid development. In order to dispose of the breeding stock quickly the prices have been placed so low that one could almost afford to buy this stock for killing purposes. Look up the advertisement on page 684 and order direct to avoid delay.

*** Your favorite magazines at reduced prices in our Chubbing Catalogue. Send for copy today ***

POTTSVILLE POULTRY SHOW FOR 1913

The Pottsville Poultry Association at their regular annual election in February, selected again the first week in December, 1913, for their annual show. Among the features for the 1913 show will be cash premiums for the first time, over \$2,000 being offered in line premiums and gold specials. Another feature being that this year, specialty breeders of renown will be employed as judges. Special inducements are being offered to the different specialty club meets, to hold their annual meet with us. Watch the crowd go to Pottsville, "The Best Site in The Anthracite."

Watch the next issue in this column for copy of the premium list. Our shipping facilities are unequaled, our hall the best lighted and ventilated, but limited to 2,000 brds. So get ready early. Don't forget the first annual banquet.

J. A. Hageman of Charlotte, Mich., is making special prices on all varieties of Plymouth Rocks. Mr. Hageman is president of the Partridge Plymouth Rock Club and we recommend him to our readers who are in need of stock in any of the six varieties that he is keeping. Mr. Hageman has issued a four-page folder illustrating and describing his stock that can be had on request. Write to him and please mention AMERICAN POULTRY WORLD.

GOLDEN AND SILVER CAMPINES

Eggs \$5.00 per 30; \$12.00 per 100. White Faverolle Eggs \$16.00 per 30.

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

INDIAN RUNNER DUCKS

IMPORTED STOCK

Stock and Eggs in season.

E. F. DEAN, WILLIAMSPORT, PA.

Champions That Have Proven Themselves Champions
Hildorfer's Champion Jumbo Black Minorcas

THE HILDORFER BLACK MINORCA FARM,
G. E. Norman, Mgr., SAXONBURG, Butler Co., PA.
Complete Catalogue on request. Please mention this Journal

DON'T MISS THIS OPPORTUNITY

150 S. C. White Leghorns \$1.25 and \$2.00 each.
Eggs during June \$5.00 per 100.

Broadfield Farms, C. B. Hay, Mgr., Greenwich, N. Y.

IMPERIAL BUFF WYANDOTTES

"The Greatest Winter Layers"
Winners at Grand Central Palace, Philadelphia, Savannah, Ga., etc. Stock, Eggs, Baby Chicks. Write for list.

SUFFOLK FARMS, LAKE RONKONKOMA, N. Y.
Arthur H. Myers, Owner. Member American Buff Wyandotte Club

Rhode Island Reds

Rose and Single Comb Exclusively

Harris' record laying and prize winning strain combines size and vigor. First prize at Boston, Schenectady, N. Y., Chicago and many other shows. Eggs \$2 for 15, \$5 for 50, \$10 for 100. 25 per cent. discount after June 1st.
Elm Poultry Farm, W. S. Harris, Mansfield, Mass.

Lord-Sanborn Buff Wyandottes---Reduced Egg Prices

100 pure Lord bred birds mated now, including four blue ribbon males at Boston and Madison Square Garden. Four pens Sanborn Egg-bred pens \$3 and \$5 per setting—half price—May and June.

DR. N. W. SANBORN,

R. F. D. No. 424,

HOLDEN, MASS

S. C. BUFF LEGHORNS

BARGAIN SALE

An early start to reduce surplus stock for winter. I am offering stock as follows: Cockerels \$2.00, \$2.50 and \$3.50; Hens \$1.00, \$1.50 and \$2.50. Cock birds \$3.50 and \$5.00. Utility eggs \$4.00 per hundred.

VALLEY VIEW POULTRY FARM, Rodney A. Knapp, Prop., R. D. 3, BINGHAMTON, N. Y.

S. C. Buff and White Leghorns Silver Campines

S. C. Black Minorcas

Prize stock or utility eggs for sale after February 1st, 1913.

90 per cent fertility guaranteed. For booklet and prices address

RED SOX FARM, John I. Taylor, Prop., DEDHAM, MASS.

SINGLE COMB WHITE LEGHORNS EXCLUSIVELY

(D. W. YOUNG STRAIN)

The finest in the world, 4,000 breeders all on free farm range. Baby Chicks my specialty, the kind that live and make phenomenal layers. A hatch every Wednesday. Price \$10 per 100, \$6 per 50, \$3 per 25. Immediate shipments. Order direct from this advertisement and save time. My book "Profits in Poultry Keeping Solved" given free with all \$10 orders. Circular Free. Eggs \$5 per 100. Special prices on chicks in lots of 200 or more.

EDGAR BRIGGS, Box 31, PLEASANT VALLEY, N. Y.

Eggs from Prize Winning "Tobasco Reds" at Bargain Prices

Old Acres is the acknowledged headquarters for the finest Single Comb Rhode Island Red males. Our record at Madison Square Garden and Boston Shows for the last three years proves it. To introduce our "Tobasco" Reds to you we offer the following bargains:

Eggs from Pens 1 to 7 at \$15.00 per setting. Eggs from Pens 8 to 13 at \$10.00 per setting. These pens are all headed by Madison Square Garden and Boston winners. Eggs from Pens 14 to 17 at \$3.00 per setting. These are carefully mated pens, all related to our prize winners. Eggs from Pens 18 and 19 are \$2.00 per setting, \$7.50 per 100. These are high-class Utility Matings, dark red and heavy layers. This is an unusual opportunity, do not miss it.

OLD ACRES,

Wm. C. Stephens, Mgr.,

FOXBORO, MASS.

Hens that have laid during the winter and spring seasons, if intended for another season's breeding, should take a well earned rest during the summer months. Turn them out to roam over the fields and pastures and in the woods, feeding only a little oats once a day. When November comes around, the poultry raiser will have a strong, healthy bunch of biddies, moulted out and in good plumage ready to begin the winter egg campaign.

We practiced this method of pasturing hens for a number of years when engaged in farming and found it the best and most profitable method of handling yearling or two year old layers during the summer months. All live stock breeders appreciate the value of pasturing breeding stock and poultry is no exception to the rule in force with cattle, sheep and swine breeders.

—o—

The Westchester Fanciers' Club will hold its next annual show in the Armory at Yonkers, N. Y., November 19 to 22. This will be the opening exhibition of the winter season in the Greater New York territory, and like the former shows held under the auspices of the Westchester Fanciers' Club, will be conducted on the highest plane, the officers and members belonging to that dyed-in-the-wool fanciers' class, that insures success from the start.

—o—

Clem Watson in the Feathered World, England, discusses the Orpington situation across the seas and believes from general observation, one of the fashionable breeds this year will be Blue Orpingtons. Mr. Watson does not think they will oust the Buffs and Whites at present, but that they will run very close up, and the competition will be keen. He also states that "being so recently established it must not be expected that all will come true blue." W. H. Cook of international Orpington fame claims that the Blue Orpingtons are breeding better than expected and that he anticipates a big future for them, because of the new breeders who have taken them up. In this country Blues are gradually forging to the front and will no doubt become very popular, when the color and type have been more firmly established, although several of the winners seen

at our leading shows last winter were beautiful specimens. But breeding Blue Orpingtons like breeding all other so-called blue varieties or breeds of poultry requires most skillful mating to produce high class exhibition males and females.

—o—

The separation of sexes in chicken for the table is a subject that has not received the attention it deserves in this country, in fact, excepting a few districts in France and England, little or no attention has been paid it. The late W. B. Tegetmeier, one of the ablest and most thorough students of practical poultry culture in England, many years ago in the London "Field" called attention to the separation of the sexes in chickens as follows:

"The determination of the age at which chickens should be shut up in order to be fattened for the table is a point of very great importance, if first-rate results are required. The general rule is to shut up the cockerels as soon as their tails begin to

turn', that is, as soon as the two long central tail feathers overlap the straight feathers of the tail; and the pullets before they have laid.

"The object of these directions is evident; as soon as the young birds begin to exercise their reproductive functions, they cease to be first-class table poultry. It is quite true they are edible, but they are not birds that one would wish to place before a gourmet; and what is still more to the point, not only is the quality lessened, but the quantity is seriously interfered with, for the birds cease to grow or fatten at the rate they did previously.

"It is not generally known that by keeping each sex not only apart, but absolutely out of sight of the other, both the cockerels and pullets may be grown to a much greater size than usual, without the quality of the flesh being deteriorated. If the young cocks are separated before their tails begin to turn and removed out of the sight of the hens, they do not become hard and coarse, and grow to a larger size than they otherwise would. I am not recommending that they should be shut up in small runs or pens, but

that they should be kept apart and out of the sight of the other sex.

"If this is done, the severe and painful operation of caponizing is quite unnecessary, in fact, it is not generally performed, even on the finest birds at the fat poultry show held in Paris during February.

"The keeping the sexual proclivities in abeyance by separation is sometimes practised with regard to Gold or Amherst Pheasants. These birds, as every rearer of them is aware, are most pugnacious, the males killing not only one another but also the females. Nevertheless, a score of gold cocks in full plumage may be kept in one enclosure, affording one of the most gorgeous sights in the animal kingdom, providing only that the whole of the males were put together whilst chicken, and had never been allowed to associate with the hens. Under these circumstances they live peacefully, but the introduction of a single hen would have been the signal for the commencement of a battle royal, from which it is probable not a single bird would emerge alive.

"If a corresponding plan is adopted with poultry, the young cocks can be kept until late in the season, or even into the new year, without deterioration, but, on the other hand, with great improvement as regards size.

"The same remarks are true, *mutatis mutandis*, with regard to the hens. A fowl that has laid an egg is herself edible, but can not for a moment be compared to a



WHITE PLYMOUTH ROCK COCKEREL.

The symmetrical and stylish looking White Rock cockerel illustrated above, headed the second prize pen at Madison Square Garden, New York, several years ago. In shape, comb, headpoints and pure white plumage, this cockerel if exhibited in the single classes would take a lot of beating for the blue ribbon honors. But Webster Farm is noted for breeding the highest type of White Rocks, so the bird illustrated above is but one of the many good ones bred at Webster Farm, Girard, Pa.—J. H. Drevenstedt.

pullet that had not laid; the quality, tenderness and sapidity of the flesh of the latter are greatly superior. Hence those pullets that are intended to be fattened for the table should not be allowed to run promiscuously with the other birds in the poultry yard; if first-class fattened poulards are required, they should be separated.

"It may be said that this separation of the sexes in poultry is too much trouble to be generally followed. This may be true, but in many places where large numbers of poultry are reared for home consumption or the market, it could be done without any great increase of trouble, and the improvement in the birds would amply repay that which was necessary.

"To those who rear for their own tables, and have facilities for carrying these suggestions into effect, I can strongly recommend them; but they must take the strictest precautions that the birds are separated before they have manifested any sexual proclivities."

—o—

We remember one breeder of Pekin Ducks, F. Rowland of Woodbridge, New Jersey, who produced the largest and finest Pekins about fifteen years ago, ducks that attained 23 to 24 pounds to the pair when fully grown. But these ducks were forced from the day they were hatched and as soon as the sexes could be distinguished, the drakes were separated from the ducks and removed to another part of the farm, not within seeing or hearing distance of the ducks. It was a rare sight on sunny mornings after the ducklings had been fed, to see them lying around as if stupefied, but they were growing flesh every minute and that's what Mr. Rowland was after.

French poulterers know the value of high feeding of pullets as they have produced some wonderful results, especially with the LaFleche fowl, well fattened pullets of the latter tipping the scales at 10 lbs. when dressed and ready for the fat stock exhibit held in Paris several years ago. But such weights can only be obtained by separating the sexes and feeding with barley meal and other French growing and fattening mashes. But the claim made by some that cockerels separated from the pullets grown and fattened by the same method as practiced with the pullets will equal capons in quality and quantity of meat, will be rejected by connoisseurs of fine table poultry.

—o—

As the work of revising the present American Standard of Perfection has begun, breeders of standard-bred varieties of poultry should make careful studies of the breeds they are interested in and submit to the Revision Committee suggestions for changes in the Standard text and illustrations, which in their opinion, will prove beneficial to the breed. We are glad to note that several of the specialty clubs have been at work and formulated new standards, which they will ask the American Poultry Association

to adopt. Perhaps the most important change suggested in any variety is the one proposed by several Black Wyandotte breeders and which is now being considered by members of the Black Wyandotte Club. This change applies to the color of the shanks and feet, the latter to be yellow instead of "black shading into yellow willow", as required by the present Standard.

In England Black Wyandottes with greenish-black plumage and yellow shanks are favored, and to judge from recent importations, the English Black Wyandotte certainly possesses these qualities and they certainly add much to the outward appearance of the birds.

We wrote to Kingsley Willet, Secretary of "The Black Wyandotte Club" of England and asked him for his opinion on this important Standard change and Mr. Willett promptly and kindly replied as follows:

"You ask for my views on what I consider the most beneficial Standard for Black Wyandottes and I am able to say, without doubt, that I am of the opinion, that the Standard for Black Wyandottes as settled by my club and followed in England, is the most satisfactory Standard in every way and gives clearly and succinctly exactly what my ideal Black Wyandotte should be.

"At one time I held other views and thought that the Standard should be altered and considerable discussion has taken place from time to time in the English Poultry Press on this subject, but I am now convinced that

it was not the standard that was at fault, but the interpretation of it by judges.

"A year or two ago judges in England were laying great stress on undercolor in cockerels and leg color in pullets, to the exclusion of the other valuable points, chief of which was type, but lately the judging has, I think, been more satisfactory on the whole.

"If I were to suggest any alteration it would be that rather more marks should be given for type, still this point is already well provided for, if the judges follow the Standard.

"Black Wyandotte pullets have now reached such a stage of perfection that personally I would expect all my winning pullets in a class to have yellow legs.

"You will notice that our Standard commences by stating that 'the Stand-

Columbian Wyandottes

LEVI A. AYRES, Box B, GRANVILLE, N. Y.

FOR THE BEST

COLUMBIAN ROCKS

Write

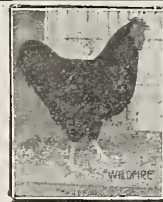
FRANK G. BEAN, COLLEGEVILLE, PA.



REDUCTION

Special Pens—Eggs one-half price, others \$1 per 15; \$6.50 per 100. R. & S. C. Brown and White Leghorns, Big and greatest records. Rocks, W. Wyandottes and Red Catalog.

W. W. KULP, Box 12, POTTSTOWN, PA.



EGGS ONE-HALF PRICE

Half Price Sale of Breeders Now **RHODE ISLAND REDS** Rose and Single Comb

Chicago, New York and Indianapolis winners. Have you seen the "Origin & History" of Rhode Island Reds? 56 pages and cover. Will be sent for 20 cents in cash or stamps. Send for free mating list and free half-price sales list.

BUSCHMANN-PIERCE RED FARMS,

Box 30,

CARMEL, IND.

"Premier" PARTRIDGE WYANDOTTES

The great utility and beauty breed. Fine winter layers. Let us mate you a pen to win at the fall fairs. We are offering Special Club Prizes to our customers who show at the Ohio, Illinois and New York State Fairs. Write for information.

EGGS FOR HATCHING NOW 1-2 PRICE

SHEFFIELD FARM,

H. B. HARK, Mgr., Poultry Dept.

GLENDALE, OHIO



FIRST WHITE WYANDOTTE HEN
WON FIRST PRIZE AT THE 1911 AMERICAN CATTLE
GRAND CENTRAL PALACE, New York - 1911
ONLYA FARM - Moretown, N. H.

ONLYA FARM

WHITE WYANDOTTES

We now have for sale about 100 hens and 25 cockerels and cock birds. We have priced these birds at from \$2.50 up to \$5.00 apiece, at which prices they are big bargains, all of them we have used in our matings the past season and anyone contemplating buying high-class breeding stock at bargain prices will miss a great chance if they overlook this sale. All birds sent on approval.

CHAS. STAUFF, Mgr.,

FLORHAM PARK, N. J.

PARTRIDGE ROCKS - The World's Best Strains - BRONZE TURKEYS

Won all firsts and specials at Madison Square Garden, January, 1913. Partridge Rock eggs at half price after May 15th. Stamp for Turkey or Rock catalog. BIRD BROS., Box H, MEYERSDALE, PA.

ard agreed upon is typically Wyandotte' and I think that you will agree that yellow legs are as much a distinguishing feature of the Wyandotte family as is the rose comb. I am of the opinion that the Partridge Wyandottes have been spoiled by not laying sufficient stress upon the necessity for this feature in the females."

Personally, we agree with Mr. Willetts that "Yellow legs are as much a distinguishing feature of the Wyandotte family as is the rose comb," and hope to see the day when every variety of the Wyandotte breed will be required to have yellow shanks and feet. In order to obtain such, we may be compelled to sacrifice under-color to a certain extent, and possibly abolish color disqualifications entirely. Many old breeders have long been of the opinion that too much stress has been laid on undercolor and that color disqualifications should be abolished entirely.

—o—

The Year Book for 1913, issued by the National Bantam Association, is the most valuable specialty club publication printed in America. It prints the news of and gives the awards at all the shows held last season, and that is what Bantam fanciers want, as they can not get this information from the poultry press in such complete and reliable form. Arthur O. Schilling has contributed several new and beautiful illustrations of Bantams, which greatly add to the attractiveness of the book. The National Bantam Association is one of the most powerful specialty clubs in the world, being fortunate in having a live wire for a secretary in George L. Young, who would rather talk Bantams than eat. He is ably assisted by those dyed-in-the-wool Bantam fanciers, President H. A. Rose and Vice-President J. Hart Welch. No Bantam fancier can afford to be without the Year Book. Send six cents in stamps to George L. Young, Eleventh St., Brooklyn, N. Y., and he will mail this big book of 162 pages to the sender.

—o—

Standard-bred poultry is enjoying a good, old fashioned boom in Florida, and the prospects for next season are better than ever to judge by the following advice received from J. H. Wendler, Lakeland, Fla., secretary of the Florida Fanciers' Association:

"The dates for our show at Tampa, Fla., are December 29, '13, to Jan. 3, '14, and those for the Lakeland Show will be Dec. 8 to 13th. The last Lakeland show fully carried out the slogan of the association—'The show that puts breeders in touch with the buyers, for more than \$3,000 worth of stock was sold at that show, some exhibitors selling out their entire strings. These two coming shows will do much to promote the interest in Standard-bred poultry in Florida and will be the means of selling a vast amount of stock, an item that most poultrymen are vitally interested in."

With such a progressive poultry fancier as Mr. Wendler acting as pilot for these two shows, one may expect the latter to get greater than ever next winter.

—o—

The American Standard for Ham-

burgs has been accepted and approved by breeders in the United States and Canada in the past and will not be changed to any great extent, if at all. In England, however, a different type of spangling is preferred and this leads the noted English Hamburg judge and breeder to remark in the Feathered World, April 18, 1913:

"I think the Hamburg Club made a bad move when they decided that the spangles should be as round and large as possible, because it is practically impossible to obtain a perfectly round spangle. The very nature of the feather must produce a spangle that is slightly pear-shaped. I do not want to advocate the long pear-shaped spangling, but I do not want a pear-shaped spangle to be a bar to success. If the feathers are broad, the spangle must appear fairly round, but if the feather is narrow, then the spangle appears elongated and dagger-shaped, which is objectionable. A pear-shaped spangle shows up the white better, and would prevent exhibitors from having to remove several rows of feathers on the wing to prevent the bird looking like a Black Hamburg.

"In Canada, the Hamburg men still stick to the pear-shaped spangling, and I think it would pay us to compromise a little on the matter. In the old days, when silver spangle cocks had white neck hackles, it was impossible to produce ideal pullets from cock-breeders, but now that all the

best cock breeding strains contain a considerable amount of mooney blood, there is no reason why exhibition cockerels and pullets should not be bred from one pen of birds. The pullets might at first come a trifle smaller than the present-day mooney, but they would have a much smarter head and a purer Hamburg shape. On the Continent there is great demand for open-marked, smart-headed Silver spangled hens, and after all, we must have a market for our surplus stock."

We believe Mr. Holt will find the

HADDOCK'S S. C. WHITE LEGHORNS

Hatching Eggs $\frac{1}{2}$ regular price after June 1st. Write for free catalogue.

STEWART HADDOCK,
Grannock Farm, Box 6, Poughkeepsie, N. Y.

WILLIAM COOK & SONS

Originators Of All The Orpingtons
Box W, Scotch Plains, N. J.
Send 10 cents for Illustrated Catalog, History of the Orpingtons and Hints on Poultry Keeping.

HENS + SPROUTED OATS = EGGS

The above formula needs only a
DOUBLE QUICK GRAIN SPROUTER
Close-To-Nature Company, 48 Front St., Colfax, Iowa

SINGLE COMB REDS

Exhibition and Utility

Eggs reduced to half price. Breeders for sale. Write for Catalog and Prices.

J. H. Crossley & Son, Box 177, Magnolia, N. J.

ROSE'S ORPINGTONS BUFFS, BLACKS. After breeding season clearance sale—50 grand massive yearlings Cocks \$5, \$10 and \$15 each, also yearling Hens at \$5, \$7.50 and \$10 each. Procure now your next year's breeders and show stock at actually one half their value.

HUGH A. ROSE,

F. F. Conway, Mgr.,

FONTHILL, ONTARIO

WHITE BIRCH QUALITY

Rose and Single Comb Rhode Island Reds,
Pekin, Rouen and Indian Runner Ducks
and Embden Geese

For the balance of the season eggs from our best Red matings at half price, \$5 per setting, \$25 per per 100. \$5 matings \$2.50 per setting, \$13 per 100. \$3.50 matings, \$2 per setting, \$11 per 100. Utility \$1 per 13, \$6 per 100. Send for catalog and prices of Duck and Geese Eggs. Breeding stock for sale at about half price. Write us just what you want for quality and number.

WHITE BIRCH POULTRY FARM, W. H. Withington, Mgr., Box 186, BRIDGEWATER, MASS.

JACOBUS CAMPINES

EGGS HALF PRICE JUNE 1st

As I now have the finest lot of chicks I ever had at this season of the year and as I am receiving many requests for eggs at half price, I have decided to reduce egg prices to one half list price on June 1st instead of July 1st as heretofore.

M. R. JACOBUS,

Box 3-W,

RIDGEFIELD, N. J.

MARTIN'S REGALS

Half Price Egg Sale

After June 1st the price of eggs from my prize matings (as they run) will be \$2.50 per 15, \$4.50 per 30, \$6 per 45.

Dorcas Pens \$3 per 15, \$5.50 per 30, \$8 per 45, \$16 per 100. Special Matings \$5 per 15, \$9 per 30, \$12 per 45. Utility Matings \$3.50 per 50, \$6.50 per 100.

This is an excellent chance to become acquainted with America's finest White Wyandottes at small cost. All my winning pullets and some of my winning cockerels at the last Boston Show were hatched in the month of June, 1912.

FREE—Send for Catalogue and Summer Sale List giving description of several hundred breeders I am offering for sale. Send four cents in stamps for the Regal White Wyandotte Book.

JOHN S. MARTIN

Box W, Port Dover, Canada





QUALITY KING
1st PRIZE COCKEREL, MADISON SQUARE GARDEN, DECEMBER 1911
OWNED BY ALDRICH POULTRY FARM, COLUMBUS, OHIO

The White Orpington male illustrated above was a great cockerel when he won the blue ribbon at the Madison Square Garden in 1911, but he is even a greater cock bird today, being conceded by many breeders to be in a class by himself. He is a bird of grand type, with full, deep, broad breast and is absolutely white. Aldrich Poultry Farm paid William Barry Owen, one thousand dollars for this cock for the purpose of mating him with four of the finest hens ever exhibited. Only a limited number of eggs will be sold from this pen, not over three to any one customer, at \$3.00 per egg.

color descriptions for Spangled Hamburgs in the American Standard to fit the highest type of exhibition male and female, and that the pear-shaped spangle is not alluded to in the text.

winter into February, has to a large extent, interfered with early matings and hatches. Shrewd breeders realize the value of hatching chicks early in the year as the demand for exhibition

Poultry shows will be more numerous than ever and start much earlier this season. With Atlantic City and Greater New York holding poultry shows the middle of August, and the Forest City Fair to be held at Cleveland, Ohio, August 25th, making preparation for a great exhibition of standard-bred poultry, to be followed by the big Canadian Exhibition at Toronto, August 29th, the month of August promises to be a lively one for poultry exhibitors.

The extension of the poultry season has become necessary, as too many exhibitions were formerly crowded into a few months of the fall and winter. Earlier shows are becoming more and more popular each year and it is well that such is the case, as to lengthen out the

cockerels and pullets for the summer and fall shows is greater than the supply, so that the old saying, "the early bird catches the worm", is well worth

THE NUTMEG STRAIN
Rose Comb Brown Leghorns. Exhibition and Utility stock. Baby Chicks and Eggs for Hatching in season.
FIREFLY FARM, Box K, GUILFORD, CONN.
BUY GOOD PRINTING—IT PAYS
I make a specialty of printing for the poultryman, who is particular what he gets. Send for prices and catalogue, I can please you.
J. A. SWARTZ,
The Poultryman's Printer, Chicago Junction, Ohio

H-O Steam-Cooked Chick Feed reduces chick mortality.
TRY SOME.

RHODE ISLAND REDS
The Famous S. & B. Strain
We breed all our winners. We can supply yours.
Write
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Book on Dog Diseases
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Mailed FREE to any address by the author.
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KEELER'S WHITE WYANDOTTES
The World's Greatest Strain
Bargain prices on breeders during June, July and August. Special Sales List describing these Bargains. It's Free.
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CHAMPION POULTRY
DEVELOPED
FROM ALL BREEDS OF CHICKS
If Matured With
Eaton's Climax Grain Mixture
and **Eaton's Perfection Mash**
Our booklet FREE. Your dealer or
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SOME OF THE MANY BARGAINS

We are offering during June will interest you I know

- 13 Hens, 1 Male Splendid Utility Flock - \$25.00
- 7 Hens, 1 Male Select Breeders - \$35.00

what more could you want in the way of bargains in

WHITE PLYMOUTH ROCKS

the most beautiful and profitable fowl bred.

Baby Chicks From Sale Stock Eggs - \$15.00 per 100
From Yard Eggs \$8.00 per 50; 75c. each
Can make immediate shipment.

Eggs for Hatching From Our Select Matings, \$5.00 per 15
From Sale Stock - - { \$7.00 per 100
\$4.00 per 50

U. R. FISHEL'S SPECIAL SALE

always interests every one in the market for poultry. Send for a copy it is free. **Better Bargains than ever before.**

U. R. FISHEL, Box B, **HOPE, IND.**

remembering in this poultry show business.

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In England the show season begins at Ottery on May 2nd, but climatic conditions in that country are more favorable for holding late spring or very early summer shows. Furthermore, English fanciers are past masters in the art of preparing birds for exhibition at any season of the year. As an instance of this, we quote the following advise to exhibitors who intend fixing up their adult birds for a summer show, given by H. Inman in *The Feathered World* of April 25th:

"Most amateurs are not in the position to reserve and keep from the breeding pens the birds to be utilised for show, and are thus to a certain extent placed at a disadvantage compared with the fancier whose principal aim is exhibiting, and who therefore keeps his birds in secluded runs or cockerel boxes from the end of one season until the beginning of another. No, the amateur must use his birds in the breeding pens, and by the end of the season many of them are unfit for show. The sun, wind, and other forces of the elements, combined with the inevitable loss and breaking of feathers, all tend to destroy the beauty of an exhibition bird, and whilst at times this is beyond redemption, at others it can be repaired.

"The first thing is to place the bird in the penning-room and give it a good dose of Epsom salts, repeating this every other day for a week. This, besides tending to clear the bird's system, will also help to reduce the superfluous flesh put on during the breeding season. The reduction of this superfluous flesh is, of course, far more important in Game than in the soft-feathered breeds, for unless this is done the bird will look heavy and thick, and cannot show off the style and shape so necessary to success. After the bird had been penned for a few days, no matter what variety, a good wash will be necessary. It will be found when the bird is first penned that the feathers are very harsh, or nearly devoid of nature. Some birds vary a lot in this respect, but I think the hard-feathered birds suffer most from it. The washing will tend to revive it, especially if a little glycerine is used in the bath.

"Two or three days after the bath the bird will be ready to be placed in a cockerel box, and every night it should have a good rub down with a silk handkerchief. There is nothing like a silk handkerchief for bringing out the gloss on a bird's plumage.

"See that the legs and feet are free from all traces of scaly-leg, and it is a good plan to rub these, say, once a

week with a little olive oil, which will keep them in splendid condition. If the bird is of the Game variety, feed it chiefly on grain, such as small red wheat, dari, and a little canary-seed. If not on a grass run, then greens of some description must be given, and just a little finely-chopped meat may be given at noon two or three times a week.

"If the bird is a Rosecomb the comb and lobes will need attention. The lobes should be massaged every night, using water and soap, and after drying thoroughly apply some good toilet preparation such as hazel snow cream, ointine, or similar preparation. The comb, face, and wattles can be washed at the same time the lobes are being massaged, though this need not be done every night. It is the lobes that need most attention. For the first washing of the comb it may be necessary to use a small nailbrush to clear out the dirt between the workings of the comb, a sponge not always being able to accomplish this. For birds of this breed, and also for all other soft-feathered breeds, soft food will be advisable once a day. For the first week or two a little bread and milk, sweetened with sugar, is a good thing for getting them into condition, and a few cod-liver oil capsules are also very serviceable. Afterwards, ordinary biscuit meal, scalded and dried off with middlings, and a dash of bran, can be given. Green food and meat should always be given if the birds are on earth runs. The last feed should always be grain of some kind.

"The fanciers of the feather-legged breeds do not come off so well in the matter of having good summer show

birds as fanciers of the clean-legged breeds. Many breeders cut down the footings of their birds, and these are, of course, put out of court at once. No doubt from a breeding point of view this is a wise course, but in most cases it is practically fatal from the exhibition point of view. Even if they are not cut down, the feathers get broken to a large extent, but with care and attention they can be made to look quite passable, though they can never appear so well as those of birds that have been kept on sand or fine chop all through the winter and early spring. Pekins and Bantams intended for show after the close of the breeding season should be kept in a pen or run, the floor of which must be covered with sifted sand or fine chop, the latter for preference. The footings should be carefully attended to and kept clean from dirt by frequent sponging.

"Polish are sometimes spoiled for exhibition by having had their crests cut, and, of course, until after the moult such birds will be of no use unless the stubs of the feathers are removed and new ones grow in their place. In the case of this breed it is a good plan to reserve a bird or two specially for show; but if this cannot be done, it will be best to leave uncut the crests of some of them. With most of the other breeds a good wash, careful attention, and good feeding are all that is necessary to fit them for the show pen."

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The Ancona World for April publishes the Mottled Ancona Standard as proposed at the meeting of the Ancona

Patteson's Campines - Silver - Golden

Some choice breeding cockerels for sale, both colors. Write for description and prices.
W. M. Patteson, Box W, Penn Yan, N. Y.

BLACK SPANISH Madison Square Garden, 1910, 1911, 1912-13, clean sweep; Boston, 1913, all first prizes; Garden Show, 1894, three firsts, two seconds. Hundreds of first prizes throughout the world during past 29 years. No more eggs or birds for sale this season.

R. A. ROWAN, 200 Title Insurance Building, LOS ANGELES, CALIF.

Maplewood Poultry Yards, H. W. Hayner, Supt., Attica, N. Y.

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Single Comb White Leghorns

White Wyandottes, Indian Runner Ducks, Pekin Ducks

HATCHING EGGS, CHICKS AND DUCKLINGS

"VIGOROUS KIND"

S. C. W. LEGHORNS—Eggs \$5.00 per 100; \$40.00 per 1000. Chicks \$12.50 per 100; \$100.00 per 1000. **IMPERIAL PEKIN DUCKS**—Eggs \$8.00 per 100; \$75.00 per 1000. Ducklings \$20.00 per 100. We guarantee safe arrival of Chicks and Ducklings and 85 per cent. fertility of eggs. Write for catalogue it tells why our chicks LIVE.

PEN-Y-BRYN FARM, F. A. Tiffany, Supt., Box W. 36, AMBLER, PA.

NEW YORK, 1913

At Madison Square Garden, the acknowledged premier show of America, in a competition of winners, from every part of the country we won, (on Rose Comb Rhode Island Reds).

1st Pen, 1st and 3rd Cockerel, 2nd Cock, 4th Pullet, 4th Hen
Winning more Firsts and Seconds than any other Competitor, ALSO DISPLAY.

This demonstrates beyond dispute the superiority of our celebrated "SENSATION" and "RED PRINCE" strains of Rose and Single Comb R. I. Reds, the Strains that won more firsts (in R. C.) at New York, Boston, Providence, Chicago, Baltimore, Washington, 1911-1912, than all others combined. Our first pen, the winning most coveted by all exhibitors, was pronounced a marvel of quality.

STOCK

We have some splendid males and females, last year's breeders and winners, including "MAJESTIC," 2nd cock at Boston, 1910, which we offer for sale this season

EGGS

Half price after June 1st.
Send stamp for Mating List.

RED FEATHER FARM, F. W. G. ALMY, Prop.,

Box 22,

Tiverton Four Corners, R. I.

Club held at Buffalo, N. Y., January 16, 1913. As this Standard for the breed will no doubt be submitted to the Standard Revision Committee for adoption, comments and criticisms on the word description at this time are unnecessary. But one addition to the club standard deserves careful consideration, and that is, the weights allotted to cock, cockerel, hen and pullet. In the American Standard of Perfection, no weights are given to Anconas, so that the weight classes proposed by the club will prove an innovation, but one that should prove beneficial to the breed. The proposed weights are: cock, not more than six or less than five pounds; hen, not less than five or less than four pounds; cockerels and pullets to be one pound lighter than cocks and hens. The weights given in the English Poultry Club Standard are: cock, 6 to 7 lbs; hen, 5 to 6 lbs; no weights for cockerel or pullet being given. The Ancona club we believe has adjusted the weight scale to fit American bred Anconas so as to maintain good size with graceful carriage.

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One of the most successful poultry plants in this country is Monmouth Farms, located at Freneau, N. J. The proprietor, J. Courtney Punderford, is also one of the most popular judges of Leghorns in the East. But Mr. Punderford started years ago to build up strains of White and Buff Leghorns that would produce blue ribbon winners at leading shows and how he

succeeded, the great show records made by his Leghorns, especially the Buffs at America's greatest shows, are the most convincing proof of his success.

The splendidly equipped plant in



WHITE ORPINGTON COCK.

In the accompanying illustration is shown the first prize, shape special cock at Williamsport, Pa., the past season. This bird is the product of the "Stay White" Orpington Yards, Philips and Groner, Props., East Syracuse, N. Y.

the garden spot of New Jersey, erected under Mr. Punderford's personal supervision, is run on strictly business principles, both in the utility and exhibition departments, consequently, the patronage has increased

year after year so that Monmouth Farms poultry products are in great demand at all times.

Mr. Punderford is fortunate in having such an experienced poultryman as Thomas Lockwood for superintendent, for no abler or more experienced grower of high class, standard-bred poultry can be found in this country.

To give readers of AMERICAN POULTRY WORLD an idea as to how thoroughly progressive the methods employed at Monmouth Farms are, the following extract from a letter received from Mr. Punderford on May 7th indicate:

"I have out a great lot of early February hatched chicks from my show matings, which will be fully matured and ready for exhibition purposes in August and September."

Briefly speaking, Monmouth Farms have the goods to deliver at a season of the year when many other breeders are still speculating as to what the harvest will be like. To win at early shows requires early hatched and well matured specimens and these are the kind that James Courtney Punderford can supply to exhibitors in small or large lots and of the highest quality.

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CORRECTION

In April AMERICAN POULTRY WORLD it was announced that Mr. J. S. Hicks, was President of the Poultry Club, England. This should have read "Vice-President" instead of "President". We gladly make this correction at Mr. Hicks' request.

MAURICE F. DELANO

Successor to OWEN FARMS

A WORD OF APPRECIATION

I want to thank my hundreds of friends and customers of Owen Farms throughout the country who have written me the nicest letters of congratulation I have ever seen, and who have pledged me their support and patronage. It has pleased and gratified me beyond measure to have their feeling of good-will towards me expressed in these hundreds of spontaneous letters, which have shown it in a way I shall never forget. The feeling expressed in these letters has been the deepest regret that Mr. Owen should feel obliged to withdraw from the business, but they have been a unit in declaring that, if this had to be, they are extremely glad to have me the new owner of Owen Farms flocks. Many of these letters have been backed up by orders for stock or eggs or both and the support accorded me has exceeded my most sanguine expectations and given me very great encouragement.

SPECIAL FOR JUNE

Two carefully mated Pens in each of my varieties at each of the following prices:

\$25.00, \$35.00, \$50.00, \$75.00 and \$100.00 per Pen.

Select the price you wish to pay and send me the amount directly from this advertisement. I will send you a pen of birds headed by a line-bred yearling descendant of a First Prize New York Male that I have carefully mated to four excellent one or two year old hens from our 1913 matings. You can choose age you want hens. The older ones will be a little better in average quality. The pen you order will be shipped you on approval, subject to return in two or three days at my expense if you are not absolutely satisfied that you have the best pen of birds ever sold at the price paid, and I will cheerfully refund the full purchase price.

SPECIAL JUNE EGG PRICES—Less Than Half-price

40 cents each, \$17.50 per 50, \$30.00 per 100.

(From the Best Pens in existence.)

\$2.50 per 15, \$15.00 per 100.

(From Grand Good matings.)

Buff, Black and White Orpingtons, White Rocks, White Wyandottes and S. C. Reds

Have nearly 7000 youngsters coming on for Summer, Fall and Winter showing and for 1914 Breeders. The most promising chicks I ever saw. Hence my extraordinarily low prices on June eggs.

WRITE ME AT ONCE FOR JANUARY CHICKS FOR SUMMER SHOWS

In September I will issue a complete Illustrated Catalogue. Until then copies of Owen Farms Catalogue and Mating List will be gladly mailed you.

Try the Delano way and receive Delano treatment and you will remain a permanent Delano customer. Address

MAURICE F. DELANO,

MAURICE F. DELANO, Proprietor.

115 William Street,

VINEYARD HAVEN, MASS.

FRANK H. DAVEY, Superintendent.

STANDARD BRED FOWLS ANSWERS TO QUERIES

CONDUCTED BY J. H. DREVENSTEDT

IN-AND-IN-BREEDING OF BLACK MINORCAS

Q. I am a subscriber to AMERICAN POULTRY WORLD and have been for sometime, so kindly advise me, if by breeding a Black Minorca cock to his own pullets will the progeny be good, strong, well developed chicks, and will they make good hens? C. I. J., S. C.

A. If both the cock bird and the pullets are strong and vigorous the progeny will be likewise. The pullets from such a mating should develop into good hens. Although this is in-and-in-breeding, no serious consequence will result, as long as the universally accepted law among live stock breeders, viz: the survival of the fittest is observed in the selection of the breeding stock.

GREENISH BLACK LUSTER IN BLACK PLUMAGE FOWL

Q. What causes the greenish black luster in the plumage of Black Orpingtons, Black Hamburgs and Black Langshans? Some breeders claim it is produced by certain methods of feeding, while others claim that the best results are obtained by using females with good black plumage right through with no dingy or rusty fluff, mated to a male that has greenish-black plumage and if red appears in the neck hackle, all the better. I was under the impression that both male and females should be greenish black in plumage in order to obtain the best results. A. D., Nova Scotia.

A. According to C. J. Davies, a close student of color markings in fowl, the metallic luster so characteristic of the original Langshan and the Archangel pigeon is due to the presence of exceedingly fine stria—small thread like lines—upon the surface of feathers, which cause the reflection of more than one light ray. Feeding has nothing whatever to do with producing the green sheen, but certain oily feeds will assist in intensifying the luster or sheen of the plumage. The mating suggested is a good one, especially when a male is used that has red feathers in the neck or saddle.

GOLDEN BARRED PLYMOUTH ROCKS

Q. Several years ago, I read of a new variety of the Plymouth Rock having been produced and which was called Golden Barred Plymouth

Rock, but have never seen any specimens of this new variety at the poultry shows, neither have I found any mention of it in recent American poultry journals. I did however, find a mention of Golden Barred Rocks recently in an English paper and wish to ask whether the American and English strains of Barred Rocks originated from the same source? P. O., Del.

A. The Golden Barred Plymouth Rock introduced several years ago in this country had golden bay or red and white bars, which were rather irregular and not well defined. The males also showed considerable white in the tail and flight feathers. The English Golden Rock is totally distinct from the American variety, the feathers being barred with black and golden

WHITE ORPINGTONS

The kind that win \$100 Orpington Challenge Cups. Write your wants.

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Get our list for special quotations. We can save you money in feed and make you money in eggs. Write to-day enclosing this advertisement.

Globe Elevator Co., 97 Kentucky St., Buffalo, N. Y.

HALF PRICE For Day-Old Chicks, Hatching Eggs and 8-Weeks-Old Chicks

Here is the great mid-year opportunity to get pure-bred Pittsfield stock at half-price. From June 15 to Sept 1 our already low prices are virtually cut in two. Read these wonderful bargains:

100 Day-Old Chicks Now Only \$15.00
100 Hatching Eggs Now Only \$7.50

Up to June 15 you paid these prices for half the quantity. For 8-weeks-old chicks between July 1 and Sept. 1 you pay 65c "as they run", or \$1.00 for all pullets, a saving of one-third. For prices on greater or smaller quantities, write today. If you buy Pittsfield stock during this sale, you will have layers during the winter. Pittsfield stock is famous for early development, sound health and strong vitality. Stock purchased under these prices is eligible to our \$225 prize contest. We can make immediate shipment or will ship on any desired date. Reservation orders accepted without deposit. Write for summer price list and full particulars.

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276 Main St., Pittsfield, Mass.



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FIRST COCKEREL and CHAMPION WHITE LEGHORN MALE
 CAMDEN N. J. Dec. 1912
 Bred and Owned by
 E. E. BRUBAKER Bird-in-Hand, Penna.

At the Camden, N. J., Show last December, the first prize White Leghorn cockerel exhibited by E. E. Brubaker, attracted the attention and elicited many favorable comments from the Leghorn breeders present. The fine headpoints, gracefully arched neck, sweeping back and tail lines and trim body conformation of this cockerel portrayed in the above illustration, proves him to be a most superior specimen in shape and style.

bay, but the new variety is still very much in the embryonic state and it will take several years before the color markings are well established.

DUBBED COMBS OF CORNISH MALES

Q. Why are Cornish or Indian Game males exhibited at English shows with their combs and wattles

removed and at American shows with them on? Should not dubbed birds be disqualified under American Standard rules? C. C., Pa.

A. No doubt the custom of dubbing Indian Game cockerels in England was borrowed from the exhibition and old English Game breeders, as the word "Game" in Indian Game probably was chiefly responsible for. American breeders of Indian Game rightly objected to the name of the breed, this objection was sustained by the American Poultry Association, so that it is now known as the Cornish fowl, a name it is justly entitled to, owing to the fact that the breed originated in Cornwall, England; with the change of name and the abolition of the word "Game", dubbing the males would be inconsistent. However, dubbed males are imported from England and exhibited in this country often winning the blue ribbon, notwithstanding the handicap incurred by the loss of the comb and wattles. English fanciers of Cornish should abolish the dubbing of the males, as sooner or later dubbed birds will be either disqualified or severely handicapped at American shows.

COLOR OF BUFF ORPINGTON CHICKS

Q. I am a breeder of Buff Orping-

Great Annual ONE DOLLAR Egg Sale Now On

CARTER'S PARAGON HOUDANS

Photo Literature Free. JOSEPH F. CARTER, Elmira, N.Y.

GET MORE EGGS
 Twice as many by feeding green cut bone.
MANN'S BONE CUTTER 10 Days Free Trial
 No money in advance. Cat'lg free. 41
 F. W. Mann Co., Box 355 Milford, Mass.

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 SCIENTIFICALLY
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Shows which hen laid the egg.
PLANS, TRAPS, BANDS, RECORD SHEETS
 Write now for prices and proof.
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Box 80, FREEPORT, ILL.

BROWN LEGHORNS
 THE EMPIRE STRAIN ALWAYS WINS!
GEO. H. BURGOTT
 LAWTONS CATALOGUE FREE LAWTONS, IRIE CO.
 EXHIBITED AT
 MADISON SQUARE GARDEN

WHITE ORPINGTONS



SUPERB TYPE AND SUPERIOR QUALITY

January and February Hatched Youngsters For Sale

Never have I had young chicks to prove more completely the claim made for them regarding **type and quality** than does my present young stock. It is indeed a remarkable line of cockerels and pullets hatched in January, February and March. As it is possible to detect any minor faults in birds after they are eight weeks old, and to form a pretty fair idea as to how they are likely to develop, I have placed on sale about 600 of the most promising White Orpingtons ever produced. These will be ready for delivery in June—large, vigorous, massive birds raised on acres of blue grass sod.



OLDER STOCK AT BARGAIN PRICES

Due to the fact that I must make room for this younger stock, it will be necessary to dispose of a number of **Hens and Cocks** on the breaking up of my breeding pens the first of June. These, of course, must go at attractive prices; and here is an opportunity to get some foundation stock the stamina and vigor of which could only be arrived at through the wonderful blue grass range commanded by Russell Cave Poultry Yards as a branch of the renowned 8,000 acre Elmendorf Farm. Eggs at \$5.00, \$10.00 and \$20.00 a setting, and would urge all customers to place orders for same as early a date as possible in order to get their choice of matings as the breeding pens will soon have to be broken up. An extra fine line of **Duroc-Jersey Young Pigs** for sale.

RUSSELL CAVE POULTRY FARM,
 ELMENDORF STOCK FARM

R. R. 3,

Box 2025,

LEXINGTON, KENTUCKY

LOUIS LEE HAGGIN, Proprietor

tons and have a cock mated with six hens all having good color, but the little chicks from this mating are very poor in color. They seem almost



F. W. C. ALMY.

Proprietor Red Feather Farm, Tiverton-4-Corners, R. I. Mr. Almy has for years produced some of the leading prize winning R. C. Reds at New York and Boston, and at the last Garden show carried off many regular prizes besides winning best display. For the balance of the season he will book orders for eggs at greatly reduced prices and will be pleased to hear from all readers interested in better Reds

white. Can you tell me the cause of this; or if there is anything in feeding? J. P., New York.

A. If the male and females are sound in color the chicks when feathered out should be the same. The fact of the little chicks being nearly white in color, is not due to the feed, but a natural law in color breeding, as the first coat of feathers are the soft down seen in all newly hatched chickens and the color of this down is, as a rule, entirely different from the color markings of the solid webbed feathers. By examining the root of the tail and the underparts of the wings, you will discover the real feathers beginning to "shoot" through the downy covering.

INTERNATIONAL ROSE COMB BLACK MINORCA CLUB NOTICE

The 1913 edition of the International Rose Comb Black Minorca Club Catalogue is now ready for distribution and it is the earnest desire of the officers that a copy be placed in the hands of every one interested in this variety and everyone who is as yet undecided as to what variety of fowls to breed for egg production.

This catalogue fully explains the different qualities of Rose Comb Black Minorcas, the methods used by the most prominent breeders in caring for them and many other things of value to all interested in poultry and especially Minorcas.

This book is for free distribution and will be sent on receipt of a postal asking for it, but if you wish to write a letter and inclose a postage stamp it will be appreciated and the book is worth it. Over fifty pages. Send for your copy now.

The following officers were elected at the 1913 meeting held at Boston, January 10th: President, A. M. Moody, Boston, Mass.; H. A. Keister, Bangor, Mich., vice-president; Lloyd C. Mishler, North Manchester, Ind., sec-treasurer, to whom requests for club catalogues should be sent.

THE SIMPLEX BROODER STOVE

The Simplex Brooder Stove Co., 138 Fourth St., Grand Rapids, Michigan, have supplied us with copies of letters from several satisfied users of the Simplex Brooder Stove. As far as we can learn from the letters, the stove is giving very gratifying results. Jacob Suter of Ohio, states, "I have used five different brooding systems in as many years and this is the only one that is entirely satisfactory". From a letter signed R. O. Krotzer of Arkansas, the following is quoted: "I think the stove is just the thing to raise chicks as I never had it running two weeks and I never saw chicks do so well". Others from different sections of the country report similar results, which would lead one to conclude that the correct principles were involved in this system. Interested breeders can secure full information by addressing as above and requesting free literature issued by the company.

DIAMOND EGG CARRIER

While it may be a trifle late to purchase egg shipping boxes for use this season, it is not too late to investigate the merits of the different packages so that you may be well prepared next season. A box that is meeting with wide approval is the Diamond Egg Carrier, manufactured by the Diamond Egg Box Co., New York Life Bldg., Minneapolis, Minn. This box, although of recent introduction, is becoming very popular and the manufacturers have been crowded to the limit to keep up with orders. It is light weight, strong and durable, protects the eggs from jar, and in every way answers the purpose of a safe and practical egg shipping box. The company issues some interesting literature, that fully describes the box and also quotes prices, that may be had free upon application. Write for it today and mention A. P. W.

FRENCH'S POULTRY MUSTARD

Makes healthy, vigorous chicks, increases egg production, promotes health. Order a can to-day. Sample package 35c. Ask your dealer or address R. T. FRENCH CO., Dept. B, ROCHESTER, N. Y.

CHARCOAL For Healthy Profitable Fowls

Feed our specially prepared Charcoal. Paced in paper-lined bags of 50 lbs. We are the largest Manufacturers in America. Special Price to Dealers. THOMAS KEERY CO., Dept. W, HANCOCK, N. Y.

HUMPHREYZE
The new way to make hens lay. "The Golden Egg" tells all, free. A Humphrey Bone Cutter on free trial. HUMPHREY Buff St. Factory, Joliet, Ill.

DARLING BEEF SCRARS ARE BEST

Our book will tell you why. Write for it. **DARLING & COMPANY** Dept. 3, U. S. Yards, Chicago

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Tells how to get bigger poultry profits. Sent free. Tells about Triumph Incubators and Brooders. Simplest, surest money makers—Nenbert's masterpieces after 10 years experience. Easy to operate—low priced—guaranteed. Write post now. R. F. Nenbert, Box 762 Mankato, Minn.

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300 Breeders at reduced prices for sale. Get catalogue and price list of same. **JOHN W. POLEY,** Box W, LINFIELD, PA.

QUALITY SILVER WYANDOTTES

Unexcelled layers. Four firsts at Madison Square Garden. Eggs, \$1 to \$3 per 15. Hens, \$1.50. **LeROY W. SEIGFRIED,** Route B, WATERLOO, N. Y.

TOLMAN WHITE PLYMOUTH ROCK

BABY CHICKS—Prices during June, July and August \$12.00 per 100.

When you order from Tolman, you get the best at a popular price. Eggs and Chicks now ready. Circular and price list Free.

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EGGS AT CUT PRICES—CUT PRICES ON EGGS

Why not start right. To do so you must start with the best, there are none better than Lisk's White Wyandottes. They are not only one of the greatest winning strains, but are unequalled as layers. They can't help it, they are bred that way. Eggs after May 10th at greatly reduced prices. Order now, it is not too late to hatch next season's winners. Eggs from my best matings \$3 per 15, \$5 per 30, \$7 per 45, \$14 per 100. No better White Wyandottes anywhere. Write for Circular and see what others say.

FRED C. LISK, Box L, ROMULUS, N. Y.

POULTRY PROFITS DOUBLED

LET US TELL YOU HOW I bring only 1 lb. 15c.

Progressive poultrymen know that ordinary poultry brings only 10c. to 15c. a pound on the market, while Capons readily sell for 30c. a pound. The same time, care, feed and labor required to raise ordinary poultry will produce Capons,—but you get double price. Capons make quick meat, tender meat and much of it. The demand for Capons is rapidly increasing and will continue to increase. There is positively no reason why the demand should decrease.

"PHILADELPHIA CAPONS" are now on the bills of fare in about all of the finest hotels, restaurants, and cafes in the United States and Canada, and the price is always high. Caponize your surplus cockerels and double your poultry profits. Caponizing is not difficult and perfection comes with little practice. Many poultrymen make money caponizing for their neighbors.

PILLING CAPON TOOLS A "PILLING" CAPON Set with "Easy-to-Use" directions will be sent prepaid on receipt of \$2.50. Send to-day for our free book, "Guide for Caponizing."

GEO. P. PILLING & SON CO., 23rd and Arch Sts., PHILADELPHIA, PA.

POULTRY CONDITIONS IN MISSOURI

By H. L. Kempster

Professor of Poultry Husbandry, University of Missouri

(Continued from page 670)

and some days rises to one hundred, but very seldom, and hot winds are unknown. Under these conditions, chickens thrive and are comparatively easy to raise. They produce liberally and are so easy to manage that the person who starts raising poultry gradually increases the flocks and acquires a habit of marketing poultry and eggs regularly.

One result has been that a large majority of the farmers' wives in Missouri have been getting cash incomes from their poultry varying from \$200 to \$3,000 per year. And this has been done with poultry, not as a specialized business, but as a side line on the farm—an indication of how well the country is adapted to making money from hens. The majority of the poultry in Missouri is raised on general farms. The very few people who have gone into poultry raising as a business are securing especially good returns.

MARKETING CONDITIONS VARIED

Marketing conditions in Missouri are varied. It is a common thing to see the farmer with a dozen chickens under the buggy seat come into a small town and deliver these alive to a city customer who has a small slatted coop built up from the ground in which he confines them until ready to consume them. During this time the birds are especially fattened and afford the consumer a luscious product, the freshness of which it is unnecessary for him to question. In many of the markets, unless specified, the house-wife when ordering chickens will get live ones instead of dressed carcasses. In some places, however, we find a highly specialized market demanding only the finished products in their most attractive form. Too often the markets in Missouri display products which are poorly prepared and hence do not find ready sale.

MISSOURI PRODUCES A SURPLUS

What has been said about marketing so far, applies particularly to the product which is consumed within the state. Missouri is one of the few states which produce a greater amount of poultry than is consumed within their own boundaries. That which is shipped out of the state generally leaves in a very attractive form. Because of the abundance of poultry, large poultry fattening establishments have been established in practically every city which has more than one railroad and in many places which are conveniently situated for collecting

poultry from the surrounding territory. In these places the poultry is especially fattened, dry-picked, pre-cooled, carefully graded, boxed and put in refrigerator cars for shipment to the eastern markets. Where special fattening is done, it is possible to place on the market birds of excellent quality, and we find that most of the poultry shipped out of the state finds ready sale and also that the proportion of live poultry which is shipped out in carload lots is gradually decreasing.

EGG MARKETING CONDITIONS NEED IMPROVEMENT

The condition relative to eggs is open to vast improvement. It is estimated in conservative figures that fifteen million dozen eggs a year produced in Missouri are unfit for food because of carelessness in the manner in which they are handled. This represents a loss of about three million dollars, and this loss is borne largely by the producer and the consumer—the producer in Missouri and the consumer in the eastern markets, where

—200 FINE YEARLING BREEDING HENS FOR SALE—

Will be year old April 1913. Laying strongly now. Make fine breeders for 1914. \$1.50 each. Cyphers, Ellis, Corning Strains. Day Old Chix 8c each after June first.

ARMSTRONG POULTRY FARM,

WOODSFIELD, OHIO

Hundreds of Prizes won on Land and Water Fowl at the largest shows this past season. We have eggs for hatching from R. I. Reds, Black Javas, S. C. Black and Silver Duckwing Leghorns, White Crested Black Polish, Houdans, R. C. Black Minorcas, Partridge Wyandottes, Barred Rocks and all varieties of Ducks and Geese. Our White China Geese are Champions of the World, having won over 100 first premiums at the leading shows in the country, viz., New York, Hagerstown, Boston, Cleveland, Baltimore, Syracuse, etc., the past few years. Our Brown Chinas are equally as good. A few choice birds from these two varieties for sale also eggs for hatching.

HILLCREST POULTRY FARM, W. P. and Edith L. Masten,

PLEASANT VALLEY, N. Y.

BAIN'S BUFF WYANDOTTES Mapledale Strain

Line bred for 20 years. Big winner in the hottest class of the year at Albany, including first and third cockerel against the best Lord Birds. Fine breeding stock for sale. Eggs for hatching a specialty. Address

MAPLEDALE POULTRY FARM, G. W. Bain, Prop.,

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America's Best Silver Duckwing and S. C. Buff Leghorns

All eggs at half price after June 1st. Now is the time to hatch your best Buff Leghorns. Mating list on request.

THOS. PEER,

Sec'y-Treas. National S. C. Buff Leghorn Club.

CALDWELL, N. J.

FAIRVIEW WHITE ROCKS

Sweepstakes Champions at Chicago, Indianapolis, Louisville and Memphis

And winners in the Louisville Evening Post Egg Laying Contest.

Eggs from these winners half-price the balance of the season. A grand lot of breeders for sale after June 1st. Write for prices.

Guy Daily,

Box G,

Jeffersonville, Ind.

QUALITY REDS WIN AGAIN

At Utica, January, we made the grand win of 1st cockerel, 1st hen, 2nd and 4th pullet, 1st, 2nd and 4th pens. Special for best display. At the Big Sidney Show we won 1st cockerel, also Grand Championship medal for best male. 1st hen, 1st and 4th pullet, 1st pen old, 1st pen young, 2 Silver Cups and 15 out of 15 shape and color specials. Also won 1st R. C. Cockerel and 1st R. C. Pullet, a limited number of Eggs from our Prize Yards. Send for matings.

W. M. WILLETS,

SHERBURNE, N. Y.

Riley's Barred Plymouth Rocks

There is still time to hatch a winner for next season or to raise some fine stock for your breeding pens. Eggs are at half price now. I have some very promising youngsters growing, and am full confident I can furnish you a winner for any show. Just keep me in mind when you need a winner.

HENRY D. RILEY,

Box C,

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STOCK EGGS AND BABY CHICKS FOR SALE

THE GREAT S. C. BUFF ORPINGTON SPECIALIST PLANT OF AMERICA

SUNSWICK POULTRY FARM,

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SPECIALS FOR JUNE—and great bargains—are good Females from our Breeding Pens of this season for from \$3 to \$5 each. Males at from \$5 to \$7.50 each. Trios of same quality at \$10. Pens at \$15. We have thousands of birds, but all are grandly bred from the Champion Sunswick Strain. Send for Catalog and Mating List.

RUFUS DELAFIELD, Owner

For The VERY BEST in
Columbian and Silver Wyandottes
Address J. F. Van Alstyne, Niverville, N. Y.

THE CHANCE OF A LIFETIME

During the balance of the season stock and eggs will be sold at reduced prices. S. C. or R. C. Reds, S. C. White Leghorns. Write for bargain prices. Red Poultry Yards, C. H. Ziegenfuss, Mgr., R. No. 5, W. Bethlehem, Pa.

KNAPP'S

Single Comb White Leghorns, Buff Rocks, Buff Cochins, Bantams, Pure (Cumberland) English Penciled Indian Runner Ducks. Hackney and Shelthrod Ponies.

Stock always for sale.

B. R. & O. A. KNAPP, CORTLAND, N. Y.

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guards your outbuildings also. Rigidly guaranteed. Easily installed. Complete with batteries, blue print diagram and simple directions \$2.75, without battery \$2.00. By Parcels Post. Order now or write for folder.

UNITY MFG. CO.
714 51st St., Milwaukee, Wis.



a large percentage of the Missouri eggs find their way.

This loss is largely due to the systems of buying which are in vogue in the Middle West. Eggs are produced on the farms, are marketed perhaps once a week through the grocery stores, are then shipped to the egg depot and from there go to the commission men in the larger cities, who dispose of them to jobbers and they to the retailers. It is seen that the egg goes on a long journey from the producer to the consumer. A large portion of this loss is due to the carelessness of the farmers or to improper methods of handling the eggs on their way to cold storage.

PRESENT METHODS OF HANDLING MAKE FOR POOR QUALITY

The present method of handling in a large majority of cases does not encourage the producer in the production of eggs of quality, especially when purchased by the country store. Often the storekeeper, in order to obtain the trade of the farmer, pays a higher price for the eggs than he sells them for, many times losing money on the venture. He does this in hopes that he can encourage the farmer to "take it out in trade" and by selling his goods at a higher price realize a profit on the deal. This method not only places a premium upon bad eggs, but works an injustice on the customers of the store, who are compelled, because of this practice, to pay a higher price for their goods than they would if the storekeeper did not mark them up in order to come out even on his egg operations. Eggs are bought in most cases just as they come from the farm—good, bad and indifferent—and the result is that the eggs when collected into the depots are usually an uneven lot in size, color and condition. As long as the present system of buying is used, there can be little hope for the elimination of the present enormous losses. Until some scheme is devised which will cause the producer of good eggs to realize a greater benefit and the producer of bad eggs to stand the loss because of his carelessness, the egg industry will not approach its possibilities.

THE LOSS OFF SYSTEM

So far the writer has been speaking relative to the general conditions in the state. In some sections, however, there has been adopted a system known as the "loss off system" of buy-

ing, a practice which results in the eggs being candled as they are brought in, the good ones accepted at a higher price and the bad ones turned back



R. C. R. I. RED HEN.

One of the main attractions in the Red alley at the Boston, 1912, Show, was the first prize R. C. Hen owned by F. W. C. Almy, Red Feather Farm, Tiverton-4-Corners, R. I. This hen not only showed the advanced type of Red but possessed a beautiful deep, rich red color. She is only one of the many superior specimens exhibited by Mr. Almy each season.

to the person who produced them. It is interesting to note that in those sections the quality of eggs has much improved. Where the system is fully understood, there exists a greater harmony between the producer and

the egg buyer. Many firms candle eggs as they come in but make the mistake of not explaining to the producer that he is getting a higher price than he would were they not candled. Where the buying is done by an egg dealer and not through the grocery store, this practice seems to be working satisfactorily. However, where the egg dealer and grocer are both working in the same town, the grocer gen-

S. C. White Leghorns White Plymouth Rocks

Quality, Not Quantity
Bargains in Breeders.

E. B. Darrow, Box W, Williamsport, Pa.

WHITE ORPINGTONS

Large, massive, low, deep-bodied birds, stout in bone. Raised on free range, insure strong fertility and vitality. Catalogue. Eggs ½ price
McKee's White Orpington Yards, Box P.W., Watertown, Tenn.

NOTICE!

After May 20th, RED LION POULTRY YARDS offer eggs from their best R. C. Red matings at \$3 per 15, \$5 per 30, \$7.50 per 45. Send for catalogue
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FAIRFIELD BUFF ORPINGTONS

Send for my illustrated catalogue before you buy stock of any variety. I can start you with the best strain. Find out the reasons at my expense.
Fairfield Farms, Box B, Fayetteville, N. Y.
A. S. White, Prop.

ANDERSON'S ROSE COMB REDS

Eggs for hatching from my winners at New York, Allentown and other shows. Send for booklet showing matings and winnings.

LOUIS ANDERSON, BLOOMSBURY, N. J.

HODGSON PORTABLE POULTRY HOUSES
For every purpose—Setting and Brood Coops, Laying Houses, Brooders, Sectional Poultry Houses, Garages, Cottages—all sizes, all prices. Send for descriptive circular.
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BLACK ORPINGTONS

NEW HAMBURGH, Dutchess Co., N. Y.
MALLARD DUCKS, POUTER and HOMER PIGEONS
S. C. WHITE LEGHORNS

Beautiful Miniature Pomeranians. Stock and Eggs For Sale. Quick Delivery a Specialty
Inspection invited at all times.

SMITH'S S. C. RHODE ISLAND REDS

Winners at Mineola, Hempstead and other big shows. Breeding and Exhibition Stock for sale.

PHILIP SMITH, We Can Win For You. Address
R. I. Red Specialist, ROOSEVELT, N. Y.

MERIHUEW'S BUFF LEGHORNS

Win again all firsts at New York State Fair, five regular and six special prizes at Madison Square 1913. Silver Cup best display at Auburn 1913, write for mating list giving show record or last 15 years. We have for disposal 50 male birds. Utility and Exhibition breeders.

L. E. MERIHUEW, Member Buff Leghorn Club, MARATHON, N. Y.

QUALITY WHITE WYANDOTTES

Winner championship of the state over all breeds won first and second pen, third cock, first hen, first cockerel, third and fourth pullets at New Haven's great quality show, 1912. Exhibiting three birds at New London won first cock, first hen, first cockerel. Showing but one cockerel at Albany's White Wyandotte show, won third place. At Guilford show, the official American Poultry Association show in this state, won the sweepstakes of the show and the state and the American Poultry Association gold medal for best cockerel in the state, also first and second cock, first and second hen, first and third cockerel and first pullet, showing but eight birds. Have won more than thirty specials outside of shape and color specials. Eggs sold from this stock in settings only at \$5 per setting.
C. S. SCOVILLE, 42 Thompson Ave., EAST HAVEN, CONN.

FISKE'S S. C. WHITE LEGHORNS THE COMING CHAMPIONS OF AMERICA

Coming Events Cast Their Shadows Before—That my Single Comb White Leghorns are casting shadows towards the World's Championship must be admitted if the following records are any criterion.

Madison Square Garden, 1912-13: 1-4 Pens, 2-7-8 Cocks, 3-8 Hens, 4-5-8 Cockerels, 2-4-6-7 Pullets.

Buffalo, January, 1913: (In one of the largest classes in the show) a clean sweep, winning all five prizes in the Single Classes and first and second pen. Special for best bird in show. Display special and many other minor prizes.

They must be recognized as contenders in any competition. Watch them in the future, they are bound to reach the goal. You should have some of this quality in your flock. Let me supply it, my prices are reasonable.

Send for Mating List.

A few males for sale.

SKYLANDS FARM,

Harlo J. Fiske, Manager,

STERLINGTON, N. Y.

erally pays more for the eggs than the egg dealer can afford to pay, making his profit by the goods which he sells. It is thus seen how difficult it is to establish a quality basis for buying eggs under those conditions. This is the status of egg marketing in Missouri.

MARKETING FACILITIES USUALLY GOOD

The success of those who have produced eggs is largely due to the marketing facilities. Missouri has unusual accessibility to markets. There are twenty-three railroads running into the Union Station at St. Louis, affording the Missouri poultryman a market from Chicago to New Orleans and east to the Atlantic. Ten railroads enter Kansas City and cover the territory south to Galveston and west to the Pacific.

As to what is being done in this line, a few illustrations will suffice. A Windsor, Missouri, man has a farm of 400 acres. His wife and daughter spend their spare time raising poultry. The income from their farm poultry flock for one year was \$713.00. Another farmer of the same town is keeping 1,600 Brown Leghorn hens. They have kept an accurate account for over twenty years and during this time their poultry receipts have run from \$2,500 to \$3,000.00 a year. A Pleasant Hill man was offered fifty cents a dozen for all fresh eggs from November 1 to April 1, and was also offered a high price by a Chicago firm for all the fresh eggs he could produce and those he could get from his neighbors. He has incubator capacity of five thousand eggs. The Yesterlaid Farm, Pacific, Missouri, keeps three thousand chickens and on November 25, 1911, was getting fifty-six cents a dozen at its home station, shipping them to New York City. In many places where a little attention is paid to marketing, good prices can be obtained and the cost of production is comparatively small.

POULTRY EDUCATION NEEDED

There is great need for poultry education. Until this time little work has been done along educational lines in the state. The high quality of the poultry and the extent to which the industry has been developed have come chiefly because of the favorable conditions for such work. In 1911, there was established at Mountain Grove a poultry experiment station under the direction of T. E. Quisenberry and the same year there was also established at the University a Department of Poultry Husbandry under the direction of the writer. The educational lines should be directed toward increasing the products of the present flocks, encouraging the keeping of better breeds and the more successful marketing of the products

of the hen. There is no limit to the amount of work which can be done among the producers relative to the manner in which their products are handled. Boys' poultry clubs should be organized, as they have been in some sections of the state. People should be taught to appreciate the rapidity with which eggs deteriorate and understand the principles the practice of which would permit them to market eggs in suitable condition. Poultry culture should be taught more in the public schools, because it affords an excellent opportunity for studying animal life.

When the Missouri farmer is taught the importance which the poultry flock plays on the farm, he will adopt better methods in his poultry culture, will have better stock, better equipment and will realize a greater profit from his poultry. When these conditions are satisfied, the Missouri hen will clinch her right to the title of Poultry Queen of the Union.

LICE AND MITES

And how to get rid of them is a problem many poultrymen cannot solve. It is very easy if you use Licecil Compound. Simply hang the bottle in the coop, the vapors leaving the bottle are three times heavier than air and descend in a misty form, penetrating feathers, cracks and crevices. Lice have no lungs and breathe through the pores of their body and positively cannot live in this vapor. It is not necessary to paint, spray or dust. Licecil is so easy and convenient to use. Write Metzger Co., No 179 Quincy, Ill., for free circular telling of this marvelous preparation.

Tilton's Reds Best Reds

They are the deep wine red and have the shape and size. Five years in succession they have won 1st cockerel and color at the Great Brocton Fair, four of the five years 1st pen. They have 14 years of careful breeding back of them and have won the blue ribbons for many of my customers in the hottest of competition. If you are looking for good stock and have been disappointed give us a try. Eggs and stock for sale on approval always.

A. F. Tilton, S. C. R. I. Red Specialist, Rockland, Mass.
CHAMPIONS OF NEW ENGLAND HILL CREST FARM'S S. C. BUFF LEGHORNS
 Winners at South Paris, Me.; Rockingham Fair, Salem, N. H.; Mt. Holly, N. J.; The Great Brocton Fair; Holyoke, Mass.; Providence, R. I.; Brunswick, Me. and the Great Maine State Show, Portland, Me. Eggs for Hatching. Write for Mating List.
HILL CREST FARM, Box 86, NORTH GORHAM, ME.

HAVE YOU TRIED IT?

The new process of cleaning lice, mits and sickly germs from **your old and young chickens—no harm done, no stunting the growth**, but cleans feathers of all dirt grease and stain. Quart can \$1.00. Every can sold on a guarantee. Please remit by P. O. Money Order.

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Northup's R. and S. C. Black Minorcas

HAVE A HISTORY:

During the past thirty years they have been exhibited at ALL the IMPORTANT SHOWS IN AMERICA and have WON 95 per cent. of ALL FIRST and SECOND PRIZES competed for.

EGGS HALF PRICE AFTER JUNE FIRST

We have the original GEO. H. NORTHUP & SON stock in its purity. Come to headquarters if you want the best. It doesn't cost any more. Remember, we have a reputation to sustain. Write for free catalogue and mating list. Special sale of Breeders at reduced price. State your requirements.

Marcus Allen Northup, Mgr. N. Y. & N. J. Poultry Farms, Inc. Orangeburg, N. Y.
 Successor to Geo. H. Northup & Son.

S. C. WHITE LEGHORNS

Majestic Strain (Young's via E. G. Wyckoff's)
 Winners at the New York State Fair, 1908-'09-'10-'11.

EZRA C. CARTER, MARATHON, N. Y.

Blue Hill Poultry Farm - Barred Plymouth Rocks
 Fine breeding stock for sale. Eggs from exhibition cockerel and pullet matings, \$5 per setting. If you want the best at lowest prices. Address **BLUE HILL POULTRY FARM, P. J. Canavan, Prop., PHILMONT, N. Y.**

BRADY'S WHITE ORPINGTONS

Have size, color, shape, equal to any in the country. Stock or eggs for sale.

J. S. Brady, Parker's Landing, Pa.

FOR SALE — PRIZE WINNERS

Solid Buff Rock Cocks and Cockerels, even golden color, low combs. Quality for twenty years unsurpassed. Stock and eggs reasonable.

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S. C. Buff and White Orpingtons

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Buff Orpington Ducks

Send for catalogue with Matings of our New York, Philadelphia, Baltimore and Allentown Winners. Stock and Eggs.

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BRUCE'S ORPINGTONS, Blacks, Whites and Buffs, Birds of Quality



Winners wherever shown. Line bred from the best blood in America and England. **Deep, Wide, Blocky birds of correct color and the prices fit your pocketbook.** Our \$25 pens are twice the value usually given. So are our \$5 and \$10 male birds. Our eggs for hatching at \$3 per setting, \$15 per 100; or \$5 per setting, \$25 per 100. Fertility guaranteed. **Are the equal of any at 3 times their price. Why Pay More?** Birds imported for special customers. Write immediately For Free Catalog.

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LYNBROOK, L. I., N. Y.



This fine Partridge Wyandotte male is one of the long list of winners produced by Sheffield Farms, Glendale, Ohio. The Sheffield strain is not only noted for their prize winning qualities but are claimed to be second to none as a utility fowl. Sheffield Farms are the largest breeders in the United States of this variety and devote their attention to the improvement of the breed along all lines.

METHODS OF PRESERVING EGGS

By W. A. Wolford

(Continued from page 672)

place the egg over the other end and use the sun as the focusing point. Other ways will suggest themselves, the object being to place the egg between the eye and a strong light in a manner that will allow the light to penetrate the egg.

In the illustration (page 672) several views of eggs of different ages and degrees of freshness are given. No. 1 is a strictly fresh egg and it is only those that give a similar appear-

ance, when placed before the tester, that should be used for laying down.

No. 2 shows an egg that has been held for some time, the dark part indicates the yolk. Large numbers of this class of eggs will be found among those purchased from grocers' stock. The egg shown in No. 4 also belongs to this class, but shows one that has been kept for a longer period, the air cell is extremely large and the dark appearance indicates a broken yolk. This is a decidedly stale egg and should be discarded. In No. 3 we see a strictly fresh egg with a defective shell formation. Eggs of this type should be discarded as there is but slight chances of success where they are used. In the last of the five views we have a rotten egg, this is clearly indicated by its showing entirely dark before the tester, the only light showing, being through the air cell.

Fourth, receptacle in which the eggs are to be placed should be clean and earthen or wooden receptacles are to be preferred to others. Don't use tin or galvanized containers. Fifth, all water used in making solutions should be first well boiled.

THE WET METHODS OF PRESERVING

Instructions having been given for preparing the eggs, we will turn our attention to the solution. The first we will call, the lime water method, and it is one that has been in vogue many years and is regarded as successful where it is not required to keep the eggs for a long period. The solution is prepared by dissolving one quart of

ARMER'S BUFF ROCKS

Second best winners at Madison Square Garden, January, 1913. At Albany, N. Y., January 13th to 17th, five firsts, five seconds, and many specials. Birds and eggs for sale. Write for mating list.
FRED ARMER, BALLSTON SPA, N. Y.

HOUDANS "Worth While"—Are layers, payers and they have come to stay. They are the big Blue Ribbon winners. Can furnish winners for any show. Stock, Eggs and Baby Chicks. Write for Mating list.
DR. G. G. BILLMAN, Box D, SULLIVAN, IND.

Buy Diamond Egg Carriers

Order today. Sample 25c. 15-egg size, dozen \$1.50, hundred \$11.00.
DIAMOND EGG BOX CO.,
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Grannis Bros. Baby Chicks EGGS Breeding Stock

Buff and White Orpingtons
White Wyandottes
S. C. and R. C. Rhode Island Reds
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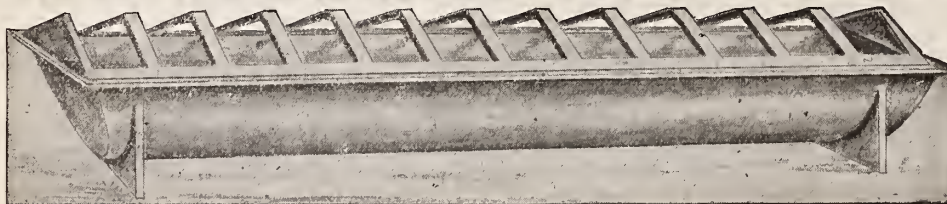
All our baby chicks are hatched in Hall Mammoth Hot Water Incubators and are equal in every respect to hen hatched chicks. Mating list, with prices of eggs, baby chicks and stock, now ready. Send for a copy.

GRANNIS BROS.,

Route 14, Bryn Mawr Park, YONKERS, N. Y.

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SAVING FEED MEANS MORE PROFIT



THIS SIZE FOR FOWLS



THIS SIZE FOR CHICKS

Sanitary Feeding
Troughs and
Drinking Fountains
mean
Healthier Birds

The Superior Feeding Troughs

eliminate waste. They are perfectly sanitary, as the lids lift off and one can readily cleanse both the lid and trough.

Send for catalogue containing prices and possibly information you may find beneficial.

The American Foundry & Manufacturing Co., Frederick, Md.

lime in fifteen quarts of water. After the lime is well slacked, pour the solution over the eggs, which have been placed in a suitable receptacle, in layers, small end down. See that the solution covers the eggs to a depth of three or four inches. Keep the receptacle well covered to exclude the light.

Another method and one that has given general satisfaction where eggs were kept several months, also a method that has been in use for years is the lime and salt solution; it is prepared as follows: Take two pounds of quicklime and one pound of table salt, mix thoroughly with eight quarts of water that has been previously boiled. After allowing it to slack and settle, pour off the clear liquid, which should be used to cover the eggs that have been packed in the manner described in the preceding paragraph.

Probably the most successful of the wet methods is the water glass solution, and this has been described by those who have given it a thorough trial as nearly a perfect preservative of eggs. There appears to exist a slight difference of opinion, between different authorities, as to the percentage of the water glass to be used, but as all have secured the desired results with a ten per cent. solution, I will recommend one of that strength.

It is prepared by using one part of water glass to nine parts of water that has been previously well boiled. In using this solution always provide earthen or wooden receptacles, place the eggs as directed in the foregoing paragraphs and pour the solution over them, or if you are putting down eggs from your own flock, I would advise that the solution be placed in the earthen receptacle and the eggs put in daily as gathered; this insures absolute freshness and does away with the danger of using stale eggs. Keep them in a moderately dark, cool place and keep well covered to prevent excessive evaporation. The water glass (Sodium Silicate) can be secured of any first class drug house, the price ranging from 80c to \$1.25 per gallon

THE DRY METHODS

The dry methods are not to be recommended where it is desired to keep the eggs for more than a few months. The more common of these methods is probably the "salt pack". This consists of placing about two inches of common salt into a wooden receptacle and then putting in a layer of eggs small end down, not allowing the eggs to come in contact one with the other. Cover the layer with salt working it well in between them and then proceed as before until the required number are cared for or the receptacle is filled.

Dry wood ashes, wheat bran, oats, etc., are also used as above described, but are not recommended to be as effective as the salt.

There are various other methods, such as coating the eggs with paraffin, tallow, vaseline, etc., after which they are packed away in one of the dry materials mentioned above or sub-

merged in brine or lime solution. Still another method, one said to have been practiced in Scotland for many years, is to plunge the egg into boiling



WHITE ORPINGTON HEN.

A massive, well formed White Orpington female, winner of first prize and many specials including shape at the last Williamsport, Pa., Show. Bred, owned and exhibited by Philips & Groner, East Syracuse, N. Y.

water for 20 seconds, a process that coagulates the albumen next to the shell and thus makes the egg impervious to evaporation. Eggs treated in this manner are also packed away in some dry material until ready for use.

There are scores of other methods, but our purpose would not be served "one whit" better by describing them

Eggs for Hatching from our S. C. REDS
WILL MAKE YOU HAPPY NEXT SHOW SEASON
It has proven to be a SURE THING. Send for Mating List.
Dearborn & Sharpe, Blairstown, N. J.

PRUYN'S SILVER WYANDOTTES
Eggs from best matings and choice stock for sale.
J. N. PRUYN,
Grey Oaks, YONKERS, N. Y.

Fairfield White Rocks To The Front
4 Grand Matings for 1913. EGGS FOR HATCHING
Utility Eggs \$1.50 per setting, \$10.00 per 100.
FAIRFIELD POULTRY FARM,
H. W. Schnitzer, Prop., FAIRTON, N. J.

HOWLAND'S BUFF WYANDOTTES
Win at Madison Square Garden, 1911-12-13. Eggs from 4 choicest pens \$5.00 per 15 eggs.
Satisfaction guaranteed

STUART A. HOWLAND, GRANVILLE, N. Y.
Royal Scarlet Strain S. C. Rhode Island Reds
Possess type and brilliancy of color that places them in the winning classes as my record at New York State Fair, Youkers, Orangeburg and elsewhere will prove. Baby Chicks and Eggs for Hatching, orders now being booked. No more stock for sale. Mating List Free. Try "Royal Scarlet" Strain and win the blue.
J. C. BOYAN, Box W, NYACK, N. Y.

SOMETHING TO GROW ABOUT

"HEN-E-TA"

About 30% Tri-Calcium Phosphate
Popularly Called **BONE ASH**

NO OTHER BONE NEEDED	NO OTHER GRIT NEEDED
NO MORE BONE CUTTERS NEEDED	NO MORE BEEF-SCRAPS NEEDED
NO MORE CHARCOAL NEEDED	NO MORE OYSTER-SHELLS NEEDED

Balanced Ration Formulas Free

If you will give us your dealers name and address.

HEN-E-TA BONE CO.

NEWARK N.J. SEPT. 1913 FLEMINGTON W.VA.

BUFF WYANDOTTES "GOLDEN GLOW" STRAIN.

1st, 2nd, and 3rd Madison Square Winners head my breeding pens.

THEODORE S. HEWKE, MIDDLETOWN, N. Y.

PARTRIDGE WYANDOTTES bred for Exhibition and Heavy Laying Strain.
My Champion Hen "Belle" laid 42 eggs in 50 days. She has an egg record of over 200 eggs per season. I have many more with equally as good records. A few hens and pullets for sale. Eggs \$2.00, \$3.00 and \$5.00 per 15, \$8.00 and \$10.00 per 100.
WILLIS G. HULL, R. D. No. 2, MARCELLUS, N. Y.

BRACE'S SINGLE COMB BROWN LEGHORNS

Are in a class by themselves, having won more prizes than any other strain. Thirty years breeding. 8 pens mated, including both cockerel and pullet matings. Write your wants.
WILLIAM F. BRACE, VICTOR, N.Y., U.S.A.

EASTERN STAR STRAIN S. C. REDS

means success. I am now booking orders for eggs from pens headed by 1st Hagers-town cock, 2nd New York State Fair Cock, 1st Scranton, Pa., Cock and their sons. I sold no females which won for me this year, they are in these pens. Write for mating list and mention A. P. W.

L. W. MAXSON, Box W, SCRANTON, PA.

AUTOMATIC SANITARY TRAP-NEST

Made of sheet metal, vermin proof, strong and durable. Requires no attention. Operated exclusively by hens, separating layers from drones, cheapest, best, simplest. Write for free booklet or agency.

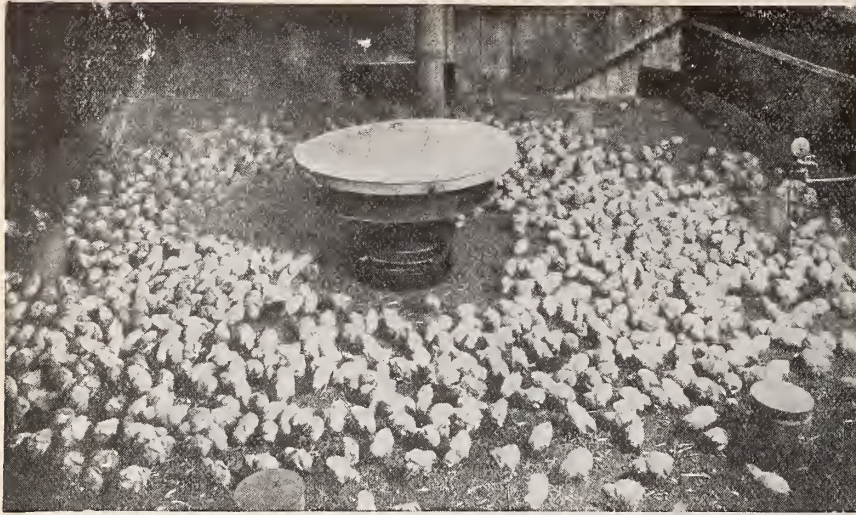
Automatic Sanitary Trapnest Co., Duluth, Minn.



WILCOX'S WHITE WYANDOTTES

Winners at the best shows of New England. Noted for their grand type and color. Eight fine pens mated. Write for catalogue. Baby Chicks a Specialty.

HORACE L. WILCOX, MIDDLETOWN, CONN.



The above illustration shows the Simplex Brooder Stove in operation and conveys a good idea of its adaptability to almost any location. Similar systems have been in successful operation in the noted Petaluma district of California for many years, an account of which was published in this magazine several months ago. The Simplex Brooder Stove Company, 138 Fourth Street, Grand Rapids, Mich., report a large demand for this device and are receiving many complimentary expressions from users.

here. We have given those that are generally regarded as successful and they are so simple of preparation and the ingredients so easily obtainable, that it is hoped that large numbers of readers will give them a thorough trial. To do so will insure a supply of first class cooking eggs when the fresh laid article is selling at a price that puts them out of reach of any but the wealthy classes. It will also provide a supply that is much superior to the general run of storage eggs, and at a price often including cost of preserving with original cost of eggs, that is from 25 per cent. to 50 per cent. less than eggs of any kind can be purchased for during November and December.

DUCK EGGS AND THEIR USES

By C. S. Valentine

[Continued from page 675]

the date of the trial. Some of the best lecturers and demonstrators of the country were present, and hundreds of women from all over the state, as well as several hundred students of the State University.

SELL AT AN ADVANCE OVER HEN EGGS

A few weeks ago, I received a statement of sales of Runner eggs, from a New York breeder. It was several weeks after Easter, which came very early this year. The duck eggs brought just about double the price at wholesale in New York that hen eggs were bringing in the home town. Both the demand for and the price of duck eggs vary so much in city markets that it is difficult to get people to be fair to the ducks, unless they make a trial of the market for a full year. For instance, some one makes a shipment, a first shipment, in late summer, and gets no more than hen eggs are bringing, while possibly the dealer writes that duck eggs go slow and prices are poor. A dealer always re-

ports prices as "poor" for duck eggs when they bring no more than hen eggs.

What is the result of such a shipment? A letter received by me last fall, states, "What shall I do with my surplus duck eggs? I have just shipped a lot to New York and they

White Wyandottes

ERNEST H. BEARDMON.

RICHARDSON'S ROSE COMB REDS

Madison Square, Baltimore, Pittsburgh, Hagerstown Winners

BABY CHICKS

Write your wants

Catalogue

BABY CHICKS

M. C. RICHARDSON, JR., Member Red Clubs and A. P. A. FRONT ROYAL, VA.

HILLHURST FARM COLUMBIAN WYANDOTTES

A very choice lot of breeding hens, strong in neck and tail markings for sale at right prices.

BABY CHICKS Now booking egg orders from finest matings ever put together. BABY CHICKS

J. B. CASTERLINE, Mgr.,

ORCHARD PARK, N. Y.

VINCENT'S BUFF ROCKS CONTINUE TO WIN

Cocks, Hens, Cockerels and Pullets for sale related to winners. Prices reasonable and satisfaction guaranteed. Mating List ready February 15th.

James H. Vincent,

Hazelton, Pa.



A GOOD TRAP NEST

Made in a few minutes from a common box, very simple and reliable. Send 10c for complete printed and illustrated instructions for making your own trap nest. Warm water fountains, automatic feed hoppers, poultry houses, etc. Price list of our wonderful strain of Winter egg producing Barred Rocks free.

Stirdivant Farms,

Sheboygan Falls,

Wisconsin

JEFFREY & HERVEY, - RALEIGH, N. C.

Specialty Breeders of Buff Plymouth Rocks—Undisputed Champion's of the South. Winning 1st Cockerel, 3rd 5th Hen, Special for best male, Hagerstown, Md., October 1912. 1-2-4 Cock, 1-2-3-4-5 Hen, 1-4 Cockerel, 3-5 Pullet, 3 Pen, Atlanta, Ga., December 1912. Show birds and great breeders for sale.

Pen, 1 Male 4 Females \$10.00.

Write for 1913 Mating List.

Elmwood S. C. Rhode Island Reds

Are the quality kind. The kind that win the ribbons at the big shows. Our record proves it. At the New York State Fair, Sept., 1912, we won 1 Cock; 1-3 Cockerel; 1 pen old; 1-3 pen young; color and shape specials and cup for best display.

Auburn, N. Y., 1913—Eleven regular prizes including 4 firsts, and many specials. THEY ALSO WIN AS LAYERS—NO BETTER ON EARTH. We have a few fancy Cockerels and Utility hens for sale. Write for prices. Eggs from \$2 to \$15 per setting. Book your orders early. Elmwood Poultry Farm, Call & Vinal, Props., 214 May Ave., Syracuse, N. Y.

Michener's Blue Ribbon Strain Buff Rocks Stock for sale. Eggs from four grand matings at \$5 per 15. Circular free.

KARL MICHENER, ORRVILLE, OHIO
Life Member A. P. A., Member Buff Rock Club

CURTIS'S COLUMBIAN WYANDOTTES America's Best. Invincible this season, 6 firsts at New York State Fair; 5 firsts, best display, all important specials at big Albany Show, leading winners at Boston in best class of Columbians ever shown there. Fine cockerels and pullets for sale. Eggs for hatching. Send for circular.
D. V. G. Curtis, Box W, Ballston Spa, N. Y.

COLUMBIAN PLYMOUTH ROCKS

Size, Shape, Color and prices right. Stock, Eggs and Day Old Chicks. Mating List Free.

A. A. WHYLAND, CHATHAM, N. Y.

Green's Golden Feather Strain

Rose Comb BUFF LEGHORNS Single Comb

Illustrated Mating List Free

H. B. GREEN, DIXON, ILL.

White Wyandottes Barred Rocks

Eggs for Hatching Baby Chicks

Stock for sale

Peerless Poultry Co., 1214 E. 80th St., Cleveland, Ohio

Everett's Single Comb Reds

CHAMPIONS OF CENTRAL NEW YORK

A setting or two will add quality to your flock and put you in the winning class. Send for list.

C. W. Everett, Box W, Waverly, N. Y.

LEG BANDS

Smith Sealed. Prices postpaid
—12,300; 25,500;
60, 81.00; 100
81.50; 500
86.50; 1000, 812.50.

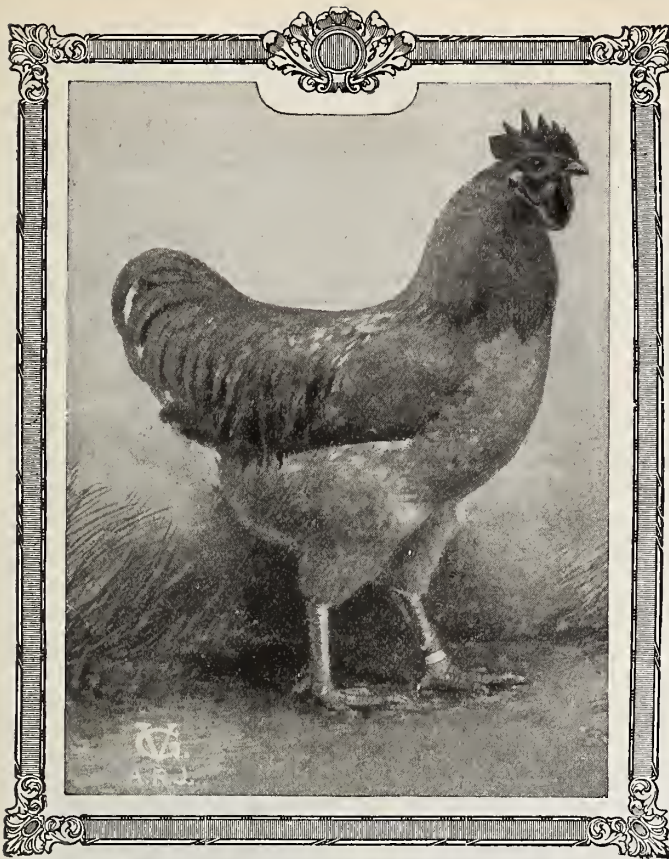
Leader Adjustable. Prices postpaid
12, 12.10;
25, 25.20; 50, 40.00;
100, 65.00; 250, 81.00;
500, 82.75; 1000, 85.25.

FREE SAMPLES

Write postal or order now. Satisfaction guaranteed. Address THE KEYES-DAVIS CO., Inc., Dept. 545 Battle Creek, Michigan

Exhibition and Utility Stock for sale, all farm raised under ideal conditions. Eggs for hatching from 10 pens of grand Stay White Birds. The male heading each pen has won in hot competition.

SEYMOUR, CONN.



First Prize Buff Plymouth Rock Cockerel at Philadelphia, December, 1912. Bred and owned by E. H. Lichtenwalter, Girard, Pa.

would not give me a cent more than for hen eggs." Certainly! It is the "off" time of year, but suppose, instead, this same shipper had sent a first shipment during March or early April, when buyers were fairly chasing dealers for duck eggs, and when prices ran from two to even three times as high as for hen eggs. How different would have been the tune! Within a short time, the delighted seller might have been putting an article in some favorite paper, telling that duck eggs

I find any duck eggs, and in the majority of them the dealers had never yet heard of Runner eggs. "A few western duck eggs", all kinds mixed together, white and green, large and medium, was all that the dealers would admit receiving. One man did, indeed, speak of a case had in the previous week, which brought the same as fancy packed White Leghorn eggs, which is really above any general market quotation; for fancy storage packed have been candled,

bring several times as much in New York market as can be gotten for hen eggs. Some people, judging by their own private prejudices, think the latter story is "made up out of whole cloth"; of course, they are equally ready to credit the first story which militates against the ducks. But both are true; yet, neither alone is true, because there is a medium somewhere between the two which is nearer the average price for the eggs in this market.

Just after receiving the editor's request for this article, I spent some time going the rounds of commission houses in this great city. It was the second week in May. In hardly a place could

IVES' LANGSHANS "A GOOD STRAIN OF A GOOD BREED"
Consistent winners at the largest shows for many years. Elegant big **COCKERELS NOW** at very reasonable prices.
PAUL B. IVES, "Bonnycroft" GUILFORD, CONN.

WHITE ROCKS and PEKIN DUCKS

Eggs for hatching at reasonable prices. Send for circular and mating list.

F. M. Dodge, Route W, Frankfort, N. Y.

Pratt's Progressive Strain White Rocks, White Wyandottes Yearly winners at Madison Square Garden, N. Y., Boston and Great Brockton Fair, where we won Gold Special for 3 successive years. Eggs from the choicest of exhibition matings \$5 per 15. Address **C. W. PRATT, N. ABBINGTON, MASS.**

Single Comb Rhode Island Reds

200 Fine Birds For Sale. Address

SCHENLEY HEIGHTS POULTRY YARDS, 1202 Commonwealth Bldg., Pittsburgh, Pa.

Whitney & McEwen, "Lord's Buff Wyandottes" Breeders of

EGGS from the same matings as we use for ourselves \$5 and \$10 per setting. Send for mating list and winnings at the Big Albany, 1913, Show. **WHITNEY & McEWEN, ALBANY, N. Y.**



DAY-OLD CHICKS--Healthy, vigorous, from heavy laying stock. Guaranteed satisfactory. Place orders Now *Hatching Eggs, Breeding Stock*—S. C. White Leghorns, White and Barred Rocks. All eggs and stock **GUARANTEED**. Write for his new catalog: "Tywacana Quality." It gives much information of value to poultrymen. It's **FREE**. **TYWACANA FARMS POULTRY CO., A. E. Wright, Supt. Box 60, Farmingdale, Long Island, N. Y.**

GOULD'S BLACK MINORCAS

You want eggs *quick*. I can make prompt shipment of best eggs at *half price* from now on. New free *Mating List* gives full information. Write *to-day*.

Harold W. Gould, Lake Grove, N. Y.

THE ONE BEST PLACE

Start Your LITTLE CHICKS

on **Succulenta Water**

And Watch Them Grow!

Better and cheaper than GREEN FOOD! Sample can (100 large tablets) by mail 50c. Drop postal for particulars to **The Succulenta Co. P. O. Box 405-17 Newark, N. J.**

At Madison Square Garden, January, '13

1st hen shape special, 2nd pullet, 5th pen in Single Comb, 1st hen shape special, 3rd and 4th cock, 2nd and 3rd pullet, 4th and 5th cockerel and 4th pen, Rose Comb, and special for best display.

At Boston, January, 1913

Single Comb—1st cock shape special, 3rd cock, 3rd and 6th hen, 5th cockerel, 1st, 3rd, 4th, 6th pullet, 3rd, 4th pen, special for the best three cockerels and three pullets, best display, two best pens, R. I. Red Club of America Cup, State Cup.

Rose Comb—5th cock, 3rd, 4th hen, 2nd pullet, special for best colored wing, tail and hackle female, rose and single comb competing, 3rd pen, special for best three males and three females and best display in show, R. I. Red Club of America Cup and State Cup.

LESTER TOMPKINS'S RHODE ISLAND REDS

The originator of this famous strain that has made the Reds one of the most popular breeds of fowl on earth, always at the front both in the show room and laying contests. My recent winnings at Madison Square Garden and Boston prove they are still in the lead, winning display special at both shows, 1st hen in both combs and all female shape specials. At Garden, 1st cock and shape special in single comb also all display specials and State Cup for both combs at recent Boston show against birds that had been considered unbeatable. My breeding pens this season are simply grand. Prices right.

Lester Tompkins, Box W, Concord, Mass.

graded for strength of shell and other good qualities, and are "the best eggs that come on the market." So said the dealer, one, two, three—perhaps four different times in the course of the talk, he impressed it on me that this case of eggs was of extra nice quality, for which reason, he was able to work it off easily at a good price, 22 cents when the average were bringing about 16c. But when I asked the details of this good quality, all I could get definitely was that they were white and fresh. I inquired if most eggs were not fresh at this time of the year. He replied that no fresh duck eggs were now received, and finally I wormed it out of him that the eggs were held till they were stale before the market got them. For this and other cause, the people who crowded each other to buy duck eggs a few weeks earlier, would not look at one in mid-May; and thus, they went mostly to the bakers, "who do not have to have good eggs", at low prices.

With the heavy laying ducks, the eggs vary considerably in weight at different periods of the year. I have seen them as small as a large hen eggs. The Runner Duck eggs run

about five to six to a pound, while eggs of the larger ducks may perhaps weigh nearly twice as much; even as the bodies weigh about twice as much, and they require twice as much feed.

The matter of marketing the Runner Duck egg and that of the Buff Orpington Duck, if she really arrives, must be one of gradual experience. One correspondent wrote me he could sell all the duck eggs he could produce at fifty cents a dozen. Another living in Delaware said that markets there gladly took all the Runner eggs they could get at a good price. "Baltimore" duck eggs are the Standard. Probably all eggs that come from the south, tend to come through Baltimore, and take its grading. The south had almost 400 White Runners alone in a single show last fall. This means that it is about time for the southern eggs to pour towards the north and also about time to plan for establishing northern markets for these eggs from special laying ducks.

All that I have found out thus far from the dealers tends to show that the sellers are liable to kill the market just as it is getting ready to be well-coming. Complaints of hopelessly small live and dressed ducks and hope-

lessly stale eggs are already easy to pick up among New York commission dealers. We must stand fast for no let-down in size of the birds, both for the sake of the market bird and the size of the market egg. And we must insist strenuously on the sending of fresh eggs, or New York as a real outlet will be closed against the Runner egg. If this occurs, let no one blame the duck, blame rather the short-sightedness of duck raisers and duck egg producers. The eggs should be sent direct and not through local dealers, because the latter method keeps them too long on the road, and the ducks should be sold dressed.

We are advised by C. B. Hay, Mgr., Broadfield Farm, Greenwich, N. Y., that he has had an unusually successful hatching season and to make room for growing stock it will be necessary to sacrifice 150 choice hens. While they last the price will be \$1.25 to \$2.00 each depending on quality. He also has several choice cock birds (Young strain) that are priced from \$5 up. This looks like a rare opportunity to secure high class stock and they will undoubtedly be snapped up quick. It will be a case of the early bird catching the worm, so it stands those who are in the market, in hand, to write at once. Utility eggs can also be secured at \$5 per 100 during June. Write today and address as above.



M. R. JACOBUS, RIDGEFIELD, N. J.

FIRST PRIZE HEN, SHAPE & COLOR SPECIALS, MADISON SQUARE GARDEN, JANUARY, 1913. COCKEREL, WINNER OF SECOND BOSTON, JAN. 1913

GOLDEN CAMPINES.

The beautiful illustration of the Golden Campine hen and cockerel that won the first prizes and color and shape specials at the Madison Square Garden last winter, presents a faithful likeness of the cockerel and hen, showing the clean cur penciling and other color markings most strikingly. The head points in both are also well portrayed; while the shape lines clearly define the graceful type of this male and female of a high class Standard Campine. M. R. Jacobus, owner and exhibitor of this great pair, has bred and exhibited some remarkably fine Campines in the past, but none to equal the blue ribbon winners at the Madison Square Garden last winter.

IMPROVING COCHIN BANTAMS IN AMERICA

PART I.

By A. O. Schilling

(Continued from page 670)

meant by rich, golden or orange buff. It must not be straw colored nor lemon tinted. It must not border on red or have the least inclination toward a red pigment. It is simply a rich lustrous golden orange shade, having good depth and strength of body color, to do away with any chance of becoming laced or streaked with straw color as is often found in some otherwise very even colored specimens. This is the shade of color required on an ideal male, and the breast and fluff should match evenly and blend into the glossy hackle and saddle, with no apparent contrast. A female having the same strength of buff color all over breast and cushion, mated to such a male, should produce good cockerels and pullets, provided they come from a carefully bred strain.

Considering the fact that all breeders are not in a position to know the exact blood lines of their stock, it is a safe thing to mate with the ideal colored male, a few females that are of a slight shade darker than Standard requirements. This will surely strengthen the color in the cockerels and yet not bring about the necessity of real double mating. This was the plan we followed for years, until the blood lines were so established that a pen possessing standard color can now be mated with good assurance of producing a fair percentage of Standard colored cockerels and pullets.

FOREIGN COLOR IN WINGS

White in flights has been one of the greatest obstacles to overcome, especially in producing solid colored males. For years this white, or grey, would crop out in the wings of the best specimens produced. It has been a difficult task to wipe out this blemish, but today a good percentage of males having the desired Standard color with good solid colored wing and tail primaries are being bred. Old time breeders of Buff color often claim that a little black in wing or tail is not objectionable, and that by the use of specimens having this pigment in these sections, the body color throughout was strengthened in the offspring. My experience has disproven this

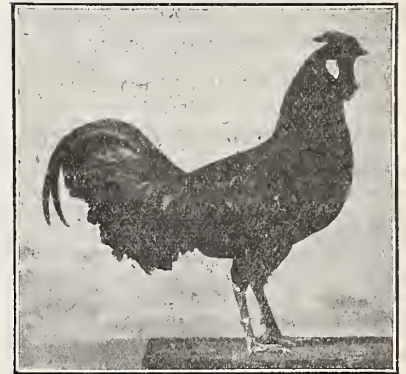
claim entirely and I advise breeders to refrain from the use of foreign color in any form, if their aims are to establish a strain which will breed pure and clean colored specimens.

In mixing a buff pigment on an artist's palette with the object of strengthening a shade of golden or orange buff, it would be folly to add black to the mixture of red, yellow and white, in order to enrich the body color, as in so doing the result would be a muddy brownish buff, lacking brilliancy. Red will strengthen the buff at once, but the breeder's aim should be to produce a buff that is pure orange buff, yet not too closely related to red in any way. Specimens possessing such strength of color will moult out strong in color in their second, third or fourth years and the females as well as the males will be able to resist the burning and drying process of the long hot summer months. They will not look like "bleached blonds", so to speak, as many of the old time specimens looked after a few months' exposure to the weather. Undercolor is a nice thing to have, but we have never laid great stress on this section. As long as the quill was buff down a good portion of the length of the feather, we felt satisfied that the bird was fit to breed from, but the web of the undercolor never received much consideration when selecting our breeders. Discard

The Type, Color and Fine Points of **SUNNY SIDE SINGLE COMB WHITE LEGHORNS** has been the secret of their success at leading shows. Get the Sunny Side strain. They win the blue.
G. L. Wheeler, Box W, Penn Yan, N. Y.

S. C. WHITE ORPINGTONS
Silver Cup and Blue Ribbon Winners at leading shows 1912-1913. Stock and Eggs for sale. Illustrated Mating List free.
Phillips & Groner, Box 381, East Syracuse, N. Y.

Rose Comb Minorcas



First Prize Winners New York. Exhibition bird or any show. Breeding stock of great laying qualities. Eggs for hatching in any quantity guaranteed. Catalogue free.

A. G. Clark, Seymour, Ind.

CAUFFMAN'S S. C. RHODE ISLAND REDS I have the goods—My winnings at Red Bank, Trenton, Inter-State Fair, Philadelphia and Allentown Pa., demonstrate the quality of my Reds. I have a few good birds for sale at moderate prices. Write me your wants.

GEO. H. CAUFFMAN,

SPRING LAKE, N. J.

MOORE BROS. S. C. WHITE LEGHORNS represent the highest development of the modern Leghorn. They have that style and grace that immediately catches the eye. Sound color, fine heads and low well spread tails is a fixed characteristic in our Leghorns. You can win with our strain. Send for list containing cuts, winnings and prices. Eggs \$2, \$5 and \$10 per 15. Day-old Chicks from 15c to \$1.50 each.
Moore Bros., Fox W, Moscow, N. Y.



"SENSATION"

H U R R Y !

It is now the best month in the year to start chicks.

Send for our free mating list and select your eggs now.

All of our this season's Boston winners are now in our breeding pens.

The Quality and Utility Strain Barred Rocks (Massachusetts Cup Winners).

C. H. SHAYLOR & SON

Golden Hill Poultry Yards, Lee, Mass.

ARE YOU LOOKING FOR

The Best White Rocks

A Square Deal and the Real Facts.

At the Great New York Shows this Season my strain won more on young birds than any other four breeders; the product of my matings last season beat everything that could be produced in the east. This shows my matings were right.

My matings this season are by far the best I ever owned and will produce the winners for America's best shows the coming season.

A limited number of eggs for sale, the quality kind. Mating list for a stamp.

L. C. Bonfoey,

Box A,

Vernon, Conn.

a shafty bird in all instances, as this defect is very objectionable. Shaftiness is the result of the light or pale colored shaft of the undercolor coming into the surface.

LACED HACKLES OBJECTIONABLE

Laced hackles and saddles in males are also very objectionable as this defect is the result of breeding from straw colored specimens which grow weaker and weaker in these sections through each generation of breeding. Therefore, the use of the males possessing that rich orange buff as described in the foregoing paragraph will do away with these defects absolutely.

THE IMPORTANCE OF SHAPE

Whatever I am going to say about shape in the selection of breeders, will apply to all of the different varieties of the Cochin Bantam family. As stated in the first few paragraphs of this article, shape should be predominant at all times when selecting breeders. To describe what correct shape is like, in an ideal specimen, and to illustrate by word description what is meant by an ideal cushion or back, I will take a few of the important sections separately and make remarks regarding them from a critical standpoint in comparison to the ideal. No matter how perfect a specimen may be in correct measurements of the various sections, if these are not set on right, the bird lacks symmetry. Good symmetry as we understand it is the artistic blending of all the sections into one harmonious profile or form. When a bird has symmetry of body, it has the correct and true basis to work upon in creating an ideal. Cochins should be loose feathered and unless this quality is possessed to a large degree, the true character of the breed is lost, therefore insist upon your breeders being loose feathered. An ideal specimen is largely dependent upon correct feather formation in order to be considered a candidate for high honors in the show room, as feather formation plays the major part in producing an ideal specimen. A specimen may have a short tail, yet if not well spread, it is very defective. A Cochin's cushion is simply the result of loose soft feather formation. The looser and softer these feathers are, so much greater will these sections be developed in a full feathered bird, therefore in judging or breeding Cochin Bantams, always consider quality of feathers very important.

A long tailed Cochin always looks unbalanced and when the tail feathers are stiff, the defect is even more apparent. Therefore, select the soft tail feathered specimens as your breeders and aim to produce them shorter each year by mating accordingly. A

Cochin Bantam should have a small wing, which should be carried well tucked up between cushion and fluff. This quality is very rare and breeders should begin to pay more attention to this section as it improves a bird wonderfully, and enables the specimen to show the massive fluff feathering, which is one of the chief characteristics of a true Cochin.

The legs should be set well apart and be not too long or too short. I have seen specimens which were so short in leg and thigh, that they appeared as creepers and in such cases the fluff or thigh was hidden almost entirely. With leg and thigh not too short, the bird is enabled to carry more fluff feathering on thighs and the leg and toe feathering is shown off to better advantage, by protruding out to sides at right angles from the leg. Don't use a bird which has leg feathering growing straight down the leg and then spreading out at feet. This defect is a very serious one as it tends to make the bird appear leggy, while the correct feather formation on these sections makes the bird look

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shorter in thigh and more symmetrical.

The neck of a good Cochin Bantam should be short; the breast broad, full and deep, and carried rather low.

We now come to one of the most important characteristics of a true show specimen, which is carriage of body and general disposition. I have seen many a good specimen which had the bad habit of pulling itself out of shape, if the least bit disturbed by the judge or by a passerby during an exhibition. I believe that this cannot be overcome entirely by training and handling in some individuals, as it is a trait in their disposition, and these specimens never make the best kind of show birds. The specimen should have an easy going disposition and not be easily frightened. When a bird has fear, it generally stretches itself up on legs and toes, carries its breast too high, while others will crowd themselves in the corners of the cages and show to poor advantage.

My object in mentioning character or disposition in connection with the chapter on shape, is to show how dependent ideal form or shape is on the disposition or action of a bird in a show cage. Before leaving this subject, it would be well to make a few remarks upon the word description of American Standard of Perfection. The book states, "The Cochin male should conform in a miniature fashion to the general outlines of the larger Cochins", likewise the female.

We have never seen a Bantam of any kind which could be considered a counterpart in exact proportionate reduced measurement of any of the large breeds, which it may happen to represent. When a living thing, man or beast, or bird is grown as a pigmy or miniature of a larger race or breed, certain sections are always abnormal according to nature's development, and in Bantams one of these sections is the head and comb. A Bantam should have a large head in proportion to its body. The eye is larger as well as the comb.

A Bantam male with a comb small enough to correspond with the Standard description of a large Cochin reduced down in relative proportion would look so small as to make it appear weak and unbantam like. The comb should be medium sized as compared to head, yet when compared to entire body, it appears larger than the big Cochin in proportion.

The leg and thigh description cannot be well applied to the description of an ideal Cochin Bantam of today. Breeders in general want them much shorter in proportion to the larger Cochins, and yet they must not be so short to appear as creepers instead of symmetrical form Cochins.

The object of this article is not to quote the Standard or to go into Standard descriptions in detail, as I believe the average breeder and amateur knows that a Cochin should have red-

dish-bay eyes, yellow beak, etc., etc., but my aim is to impress upon the reader's mind a few facts which have been gained by years of experience in studying shape and color of Cochin Bantams and other breeds in general, and to help all fanciers of Cochin Bantams breed better Cochin Bantams and more of them.

CONNECTICUT VS. MISSOURI

By O. Wilson

(Continued from page 674)

this position may not be maintained when the warmer weather offers less inducement for the participants to exercise and by reason thereof accumulate surplus flesh to the detriment of the egg score.

All manner of changes will be recorded before the close of these contests, but it is apparent now that the average per hen at Missouri will be considerably above the average for the former contest, while the record set by last year's entrants at Storrs will not likely be exceeded if it is reached at all.

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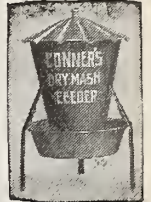
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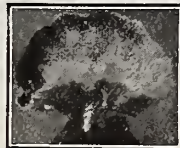


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the chicks are given their freedom by raising the end of the frame on a brick set edgewise. At night in place of the lattice a muslin covered frame is used. This same frame is hung on hooks and eyes so as to form a sun-



The poultry plant of a Virginia subscriber. The plant and its management are fully described in the accompanying article.

overcrowd the number is held to a minimum. On this plant in February 33 layers produced 655 eggs, and in March 29 layers yielded 664 eggs. Only standard-bred exhibition single comb Rhode Island Reds are kept, among the three pens being winners at the big Virginia shows, the record of one pen of twelve females and a male being 28 ribbons in 12 months.

The main house in the background is 10 by 18 feet, divided into three 6 by 10 pens, caring for 13 fowls each. On either side of the houses against the fence can be seen a little shed over an out of door dusting hole. The canvas shed to the left of the house is a shade for the fowls in summer. There is one for each yard. In winter these shades do duty as muslin covers over the openings in front of the main house. In the left hand yard is shown three brood coops. In these hens and their broods are kept until the chicks are two or three weeks old, according to the weather. The hen is separated from the open or shed end by a lath partition which gives the chicks freedom of a space about 3 by 4 feet. The roof is hinged and can be raised as shown. Early in the season glass covers the front, but after March only a wire netting is used and a muslin curtain dropped on the outside at night. The curtains rolled can be seen on the two upper coops. On windy days this cover is dropped and the roof raised which gives an abundance of sunshine but no bluster from the wind.

In the foreground is shown individual coops for hens and broods. The hen is kept confined or sometimes a wire frame is set in front of the coops and the hen allowed the space, while

shade over a part of the coop in the mid-day heat. To the left of the lattice is a door. The coops have detached floors, and to clean them it is

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only necessary to lift the coop off the boards.

The house in the foreground is 4 by 12 feet and is used for setting hens, no incubator being used on the plant as the chicks are grown for vitality and show room. The hens are nested in the portion with the muslin cover down. The other end is left open in the day so as to give the sitters a sun bath and dusting place. The hens are never turned out and in this way they need little care, water and feed being in founts and self-feeders. After the end of the hatching season, about May 15, the lower or closed portion of the house is removed and wire covered frames placed. The young stock is then given the run of the place as it makes an ideal protection from sun and rain and affords fine scratching, the floor being fine loam and sand covered with chaff. In the winter a small pen of show birds is kept in the house or else it is used for cockerels until disposed of at fall sales. No

extra stock is carried on the plant, the idea being to keep few but have them the best.

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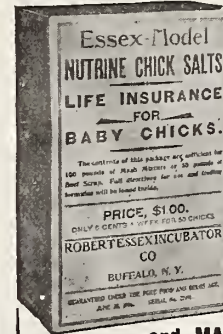
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layer with an empty or partially filled crop is watched and if such a condition exists for three or four days she is placed in a yard near the plant and then if she does not lay in another three or four days she is disposed of. It is a never failing sign that the hen that does not eat is the loafing hen and non-productive, provided of course she is matured and in good health. The hen that scratches and hustles is the layer. In this way a great laying strain has been developed. No males are used except those which jump into the litter and go after the grain. "Work" is the slogan of the farmlet and it pays. Allen Jenkins, Virginia.

SUMMER MANAGEMENT OF BREEDING STOCK

By J. H. Drevenstedt

(Continued from page 677)

oats and cracked corn in equal parts about as satisfactory as anything we ever used, if fed in the morning, with wheat scattered in the litter late in the afternoon for a crop filler to send the birds to roost with. Buckwheat can be used as substitute for wheat occasionally, but not too often. When skimmed milk can be obtained, cheaply, it should be fed most liberally as it is a great conditioner. Pure water must of course be supplied to fowls at all times.

FEEDING HENS AFTER THE MOULT

As to feeding hens, there is precious little difference from the feeding of cows for milk. Cows must be fed a well balanced ration, and so must hens. You can feed for a maximum yield of milk, and keep the cow poor, or you can feed so as to have the cow gain in flesh besides giving a large flow of milk. It's the feed, not so much the breed, that does it. Long experience in feeding cows convinced us that the grain we use for them is likewise desirable for hens, substituting ground oats in the hen feed for wheat middlings of the cow feed, as middlings are too sticky for fowls. The following ration is tried and good; one-fourth bran, one-fourth oats, one-fourth brewers' dried grains and one-fourth cornmeal, mixed and fed with cut clover hay—alternating with mashed potatoes. Ground meat scraps could be mixed in, but we prefer fresh cut beef bones. This constitutes the morning feed, about 4 P. M. scatter wheat in the well littered floor for the hens to scratch for and pick up. That has been our method, and no condition powders or stimulants of any kind are necessary to make hens lay, even in the coldest weather, provided the floor is dry and the air pure in the hen house.

THE INTERNATIONAL POULTRY SALES COMPANY

The International Poultry Sales Co., Browns Mills-In-The-Pines, N. J., issue a very interesting catalogue that fully describes the International Sanitary Hover, which is said to contain many features not possessed by other similar brooding devices. One important feature of this hover is that it is claimed to be several degrees warmer near the curtain than at the center, thus preventing crowding, trampling and

smothering of chicks, insuring a high percentage of strong, robust birds from every brood. Another important feature of The Sanitary Hover is that it is entirely portable and can be moved from place to place and used in any building without previous preparation. As the lamp is in the center of the hover it requires no cutting of holes or building of platforms. The lamp is easily and quickly lifted out through the top for cleaning and refilling and there is no necessity on the part of the operator to go down on his knees in the dust or mud in caring for the hover. The catalogue states that more chicks can be raised with less trouble with the International Sanitary Hover than any other brooding device ever invented. This claim appears to be born out by many testimonials from all classes, including the novice, as well as those who have been in the business for years and have a world wide reputation. Among those who give their endorsements are Kellerstrass, Owen Farms, Wm. Cook & Sons and Rufus Delafield.

It is also stated that the hover may be utilized as a green food grower and that in eight days it will transform 12 quarts of oats into enough egg making green food to feed 500 laying hens for three days. This makes the hover an all year around device.

The catalogue, which is free, fully describes the hover and the different ways to which it is adapted, may be had upon application to the above address if this paper is mentioned.

Start Winter Layers Now

Use males from a known flock of producers to insure egg supply.

Single Comb Buff Orpingtons

that are representative of our breeders have won important prizes for two years in the Storrs Egg-Laying Competition. Hatchings eggs, 20 cents each. Young males at \$3.00.

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IF I BUY BABY CHICKS WILL THEY MATURE INTO PULLETS LIKE THESE ?



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Caldwell's White Plymouth Rocks (Fishel Strain) "Baby Chicks of Quality"

From Utility Matings

Will mature into long backed, well made birds pure white in color, that will be the secret of "Winter Eggs". Every utility breeder is descended from known good layers that have been bred that way.

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Will mature into blue ribbon winners. Every exhibition pen is made up of birds with good combs, of good type and chalk white in color, possessing blood lines of generations of Fishel blue ribbon winners. Our birds were among the principal winners at the Indiana Fanciers' Show, Indianapolis, 1912.

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not only arranges for the man who orders in advance but for the one in a hurry. Thousands of eggs are setting which will make possible DELIVERY OF ANY NUMBER ON SHORT NOTICE.

R. C. CALDWELL, Box 102-A, LYNDON, Ross Co., OHIO

POULTRY WORLD AFFAIRS

Walter Burton, Proprietor of Arlington Poultry Farm, well known as breeder and judge has been appointed superintendent of the poultry department of the Texas State Fair.

The thirteenth annual exhibition of the Warren County Poultry-Pigeon Association, will be held at Warren, Pa., January 5-9 inclusive. Many new features have been added which work for a larger and better exhibition than ever.

F. E. Wray, member of the former firm of Wray Bros., London, Ont., who has been in California for the past two years, has returned to his old home. As Mr. Wray expressed it, "California is all right, but I am glad to get home again."

The value of exports of poultry from the United States for eight months ending with February, 1913, are given as \$976,381. The total amount for the corresponding period of 1911 and 1912 was \$401,116, while the value of the exports for February, 1913 alone is given as \$325,220.

The Inland Empire Poultry and Pet Stock Association will hold their annual exhibition at Spokane, Washington, Christmas week. The County Commissioner of Spokane Co. recently appropriated \$250 to be used in promoting the show. Indications already point to one of the largest exhibitions ever held in this section.

L. J. Bundy of Darien, N. Y., has removed to Dry Ridge, Ky., to take charge of Catalpas Poultry Yards owned by John S. Steers. Mr. Bundy is well known among the older poultrymen and has wide experience as a breeder of Barred Plymouth Rocks. He is a long time member of the American Poultry Association, having joined in 1881.

Enthusiastic poultrymen of Syracuse, N. Y., and vicinity have arranged to hold a poultry exhibition in the "Salt City" this winter and have selected the dates of December 7 to 13 for the event. The association is called the Onandaga Co. Poultry and Pet Stock Association and has already acquired a membership of 163. H. A. Eiler is Secretary.

Owing to the success of the egg laying contest held in connection with the State Fair at North Yakima, Wash., last season, it has been decided to repeat the event this year with a few changes. This year the contest will be of four months' duration instead of two and each team of five hens will have one substitute to be used in cases of broodiness or accident to one of the active members of the pen. The rules of the contest will be identical with those used in similar

contests in the eastern states; a measure that will allow owners of competing pens, to compare results with those of other similar events.

A newspaper despatch states that the Rev. C. E. Peterson, formerly of Portland, Me., now of Northampton, Mass., was recently arrested by a federal post office inspector for fraudulent use of the mails. The Rev. Peterson has bred and advertised Houdans quite extensively for a number of years and is also familiar to many readers of the poultry papers as a writer on various topics regarding poultry culture.

A Poultry Convention is to be held at Massachusetts Agricultural College, July 28, 29 and 30th, 1913. A very interesting and attractive program has been arranged. Many of the most prominent authorities on matters of vital interest to the poultry industry will be present and deliver addresses on subjects with which they are particularly familiar. This promises to be a very interesting occasion and should attract a large attendance.

By a vote of the Board of Directors of the National Bantam Association, Baltimore, Md., was selected as a

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to hatch eggs for farmers and everyone in your section who wants chicks. Most people don't want to take the time or bother to run small machines and if they can take their eggs to a hatchery and call for their chicks, there is no limit to the business the hatchery can do. Any clean cellar and a Candee Automatic sectional incubator are all that is needed. Write for our free Custom Hatching booklet that gives full instructions how to start and run a hatchery. Address Dept. 3, Candee Incubator and Brooder Co., Eastwood, N. Y.

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are conceded to be the best exhibition strain as well as for utility purpose. Our breeders at

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O. K. SALES COMPANY, Dept. 26, 157 Water St., NEW YORK CITY



place of holding the 21st annual exhibition of bantams, so Secretary Geo. L. Young advises us. This old association has made an excellent selection for the next year's meeting which is to be held January 6-10 in the oyster city where bantam fanciers like to visit and exhibit, as the show held in that city is one of the best in the United States.

During the year 1912, sixty-five carloads of eggs were imported by dealers in the city of Spokane, Washington; previous to last year the importations amounted to over one hundred carloads annually. When it is taken into consideration that a car will contain four hundred cases of thirty dozen eggs each, which reduced to units, equals 14,400,000 eggs, it at once becomes apparent that there should be a golden opportunity for the egg farmer in that section.

Thos. G. Stallsmith of Chicago, will be in charge of the agricultural implement and farm machinery exhibit, including the pure food display at the Panama-Pacific International Exposition which opens in San Francisco, February 20, 1915. Mr. Stallsmith has had wide experience in representing large manufacturers of agricultural implements both in America and abroad and is recognized as an expert in his field. The live stock department under the supervision of D. O. Lively, one of the most prominent live stock men in the northwest, will have charge of the live stock exhibit which will include displays of horses and mules, cattle, sheep, goats, swine, dogs, cats, poultry and birds.

RAT EXTERMINATOR

One of the most annoying pests with which poultry raisers and farmers have to contend are rats. There is no rodent that can create more destruction around a poultry farm than these repulsive creatures. Owing to the fact that feed is usually plentiful and easily accessible on the majority of poultry farms, they soon become infested with rats and nothing but eternal vigilance has served to keep them within bounds. The Pasteur Laboratories of America, Room 842, 366 W. 11th St., New York City, who are famous for their long list of serums, have been advertising a rat virus in this publication for several months. In the past the main objection to the many advertised rat exterminators has been their highly poisonous nature which made them dangerous to use around poultry houses or farm buildings. Bacterologists have ascertained that certain microbes are pathogenic to small rodents (rats and mice) and spread a special disease among this species of animals. With this fact established the Pasteur Laboratories have perfected a special virus for this purpose that is harmless to fowls or domestic animals, but when introduced into the system of rats and mice produces a mortal contagious disease. This virus is reasonably priced and may be had in either liquid or gelatin forms, and owing to its being absolutely harmless to man or beast can be used with impunity in or around any building. It is worthy of investigation by all breeders who desire to free their place of rodents. It is no experiment as it has been tested for many years and bears the approval of many leading breeders in all sections of the country. Address as above and ask for further information.

*** Fifty cents invested in a copy of the "Chick Book" may save you many dollars. Better send your order today.

SHEFFIELD FARM SPECIAL PRIZES To Be Competed for at New York, Illinois and Ohio State Fairs

In May AMERICAN POULTRY WORLD we announced the fact that Sheffield Farm, Columbus, Ohio, will offer certain prizes on Partridge Wyandottes at the New York State Fair this fall. This announcement should have read that "Sheffield Farm, Glendale, Ohio", will offer the prizes at the New York, Illinois and Ohio State Fairs.

These prizes are open to any of their customers, no matter where located (who have purchased eggs or stock of Sheffield Farm) who enter their birds as "Premier" strain, Partridge Wyandottes. The secretaries of the above mentioned shows will be notified of this offer, and Sheffield Farm will not be a competitor.

The cash prizes offered are: First cock, \$25.00; first hen, \$25.00; first cockerel, \$25.00; first pullet, \$25.00; first pen, \$25.00.

These very liberal specials should bring out great entries in Partridge Wyandottes at the three noted fall fairs, as the Premier Strain has been widely disseminated and is acknowledged to be one of the finest in the world. The liberality and enterprise

of Sheffield Farm in offering these cash prizes should be rewarded with big entries all along the line.

*** Do not delay—Send today for a copy of our Clubbing Catalogue, it saves you money on your magazines ***

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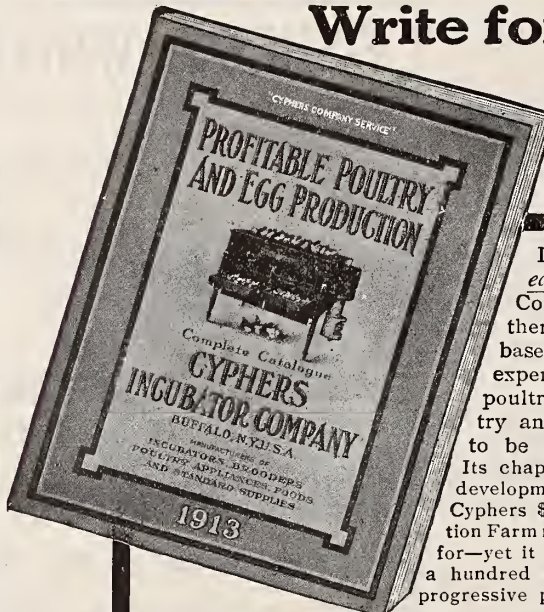
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WHITE FAVEROLLES

By J. H. Drevenstedt

(Continued from page 673)

excellent mothers. They thrive in any climate (this has yet to be tested) as they are one of the hardiest breeds in existence. Being more sedentary than the Houdan, they do not require a large range. They are also small eaters, and every kind of feeding suits them, whether it be barley, meal or corn, wheat, buckwheat, etc. The hens lay all the year round. The size of the eggs is much the same as those of the Houdans; these are a light brown color and average from 150 to 180 per annum. Chickens of this variety are raised without any trouble and therefore are capital for winter breeding. Faverolles, chicks grow much faster than Houdans, but do not shape so well or so early. A chicken of these two varieties, taken at random from a flock of youngsters all ten weeks old weighed as follows: The Faverolles, 4½ pounds and the Houdan, 2¼ pounds. In order to render the flesh fine and white, the chickens are fed on patties of barley meal and fresh whey. It is good to mix a little bran in this mash to make it less slippery. These patties must not be too dry or too liquid and ought to be always very fresh, so that it is necessary to make them several times a day. The drink consists of milk and water, or fresh whey."

Prof. Edward Brown in commenting on the above, says:

"While the last quotation is somewhat exaggerated in regard to the virtues of the "Faverolles", there can be no question that the variety is a useful one. But much depends upon the methods of treatment adopted. My own observations show that the people around Houdan and Mantes believe that the Faverolles is the best kind of fowl for their purpose, and it evidently grows quickly, fattens easily and has fine flesh, which, to them, are the chief ends in view. I doubt, however, whether it is as good a layer as is stated above, and in flesh qualities it can not compare with the La Bresse, the La Fleche or the Crevecoeur.

"As to appearance it is one of the homely sort, to whom must be applied the saying 'handsome is as handsome does.' The want of any definite type militates against it in the eyes of all but the strict utilitarian, but I have no doubt a few years hence we shall see a great change in this respect. That distinctness of type can be obtained without injuring the economic qualities, is undoubted. We have only to mention the three French breeds named above, and others could be cited as examples in proof. Already an attempt has been made in this direction. The Societe

Nationale d' Aviculture de France has issued the following Standard of Points with a view of securing greater uniformity in future breeding of the Faverolles fowl:

"Cock—Head full and short; comb, single, not too large; beak, penciled white; eye, large, pupil black, iris large and bright yellow; lobes small and round; wattles, moderate in size, concealed by thick whiskers; neck, short and thick; body very deep and long; back, broad; breast very large and fairly long in keel; wings, moderate in length; thighs, strongly built; legs, flesh-colored, slightly feathered. Some birds have five toes, but breeders prefer those with but four, finding that such mature earlier and are hardier; tail, short, with sickles of moderate length; plumage, ground of white color. The cock should be robust in appearance, of good carriage and with a mild disposition. The flesh is fine and white and young birds fatten well at five months. The weight of a well built cock should be from 6½ to 8¾ pounds.

"Hens—Comb, single and small; beak short and penciled; ear lobes and wattles hidden by whiskers; neck, short; body, well rounded; breast, large; legs slightly feathered. In color the hens are generally brick red or buff, clear and speckled. Their flesh is fine and delicate, and the weight varies from 4½ to 6½ pounds."

The above quotations appeared in the Country Gentleman as far back as 1895, and no doubt were responsible for the early importations made by American poultry fanciers.

An eminent English poultry authority, the late Harrison Weir, in his great book "Our Poultry," comments on the Faverolles as follows:

"A fowl of this description should be judged on the poulterers' bench, and there featherless, all its qualities as a table fowl rightly, carefully and most scrupulously considered. The flesh, the texture, the quality, the fat and the disposition of it, the skin, its thinness, tenderness or toughness, and the color; and with it all, the fowl should be properly proportioned; not with big thighs and legs and long shanks, or small, thin-made wings, or attenuated breasts, with a deep fleshless keel-bone; but all should be in unison square and meaty; keep to this, and it matters little what the feathering colors are. This appears to me to be the method adopted by the French, and for utility this is right. Having examined a large num-

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We have mated up twenty Grand Pens of Line Bred Orpingtons. These Pens are headed by wonderful male birds, for instance our First Black Cock at Chicago, 1912, is magnificent bird. All our pens are headed by just such birds if not better.

All our pens are mated with the greatest care to produce the birds of quality. Be convinced, write for mating list today. Remember **Royal Stock of Quality** is what you need. Book your egg orders early. Our supply is great, but demand for our stock is greater.

ROYAL POULTRY FARM,

Box W,

DICKSON, TENN.

SINGLE

COMB

WHITE

ber of Faverolles at the Dead Poultry Show, I have come to the conclusion that it would not be so very difficult for the adept in such matters to evolve from the material, as now presented, such a utility breed as described. After careful inspection, I found that some of the very best were but four-toed, yet in some instances a small toe only just indicating a fifth. This being so, perhaps it would be better to formulate the breed as one with only four toes, though my own experience has taught me that the most cloddy, thick-made dunghill fowls have been those with five toes. Again, most of the best framed meaty fowls were those with clean shanks and these very white. This being so, I would suggest that if the Faverolle is to become a farmyard breed, and if carrying the same shapely body, that it would be far more valuable as such with clean, clear featherless shanks. Beyond this, I see no reason for any alteration in the Faverolle as it stands. It is a breed that should win as a prize bird when fattened and killed and shown as what it really is—not alive in its feathers—and judged as a table fowl by what it is supposed to be."

FOUR TOES AND CLEAN SHANKS VERSUS FIVE TOES AND FEATHERED SHANKS.

D. Lincoln Orr is making a vigorous campaign for White Faverolles with four instead of five toes and clean instead of feathered shanks, claiming that in order to popularize any new breed or variety in America, it should have feathered shanks and four toes. From a strictly commercial standpoint, Mr. Orr's claims are justifiable and he will find in Mr. Weir's remarks regarding four toes and unfeathered shanks most excellent authority to back him up.

But, if White Faverolles are required to have five toes and feathered shanks in the English Standard, how can we poultry fanciers in America consistently demand four toes and unfeathered shanks in the American Standard for Favorelles, provided one is formulated at the next revision meeting?

We have opposed D. Lincoln Orr's advocacy of the four-toed-clean-shanked brand, not on sentimental grounds, but for the reason that two such widely different Standards as the English and American ones for Faverolles can not be consistently accepted by poultry breeders under one breed name. If the American Standard will require four toes and clean shanks, the name of the breed will have to be changed unless English breeders fall in line and make similar requirements the law in the Poultry Club Standard of the future.

Personally, we would prefer Faverolles with four toes and clean shanks, but the preference of the few against those of the many, in not apt to bring about this most desirable change in the English breed Standard. Our supply of White Faverolles comes from England at present, so that we are gathering into the fold a large number of five toed and feathered shank specimens. While it takes but a compara-

tive short time to breed feathers off the shanks, it will take many years to eradicate the fifth toe.

Mr. Geo. Betts, one of England's leading breeders of White Faverolles, kindly furnished us with the following:

"The White Faverolle is a very interesting and pretty bird and has secured both at home and abroad, a large number of admirers. To see a good specimen nicely prepared for the show pen, is a sight not soon to be forgotten.

"The majestic appearance—A snowball, a bale of white wool. The little head and eyes almost hid in the muffing. The big, round breast, this with the low legs just nicely feathered, down to the outer toe, puts on an artistic touch, that no other variety possess in the same degree.

"When in the show pen, they appear at their best and very few visitors pass them by, without a thorough examination and if they are not acquainted with the breed, they invariably contrive to make enquiries sufficient to satisfy their curiosity.

"They are very docile and in this respect well adapted for the ladies, who interest themselves in poultry. Their splendid appearance is not the only thing in their favor, they are a very fine utility bird, laying large number of yellow eggs. They are also good winter layers, and their eggs even at that season are very fertile and hatch out good, strong chicks.

"For table purposes too they equal in every degree the noted salmon, carrying plenty of breast and that of a juicy nature.

"As to their origin. This appears to be somewhat in doubt, as several fanciers in this country claim to be origi-

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Leghorns
Orpingtons
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Breeders \$1.50 each.

Armstrong Bros., Loch Raven, Md.

INTERNATIONAL SANITARY HOVER

Warmest at certain—no crowding of chicks. The Rancocas Poultry Farms, the largest and most profitable in the world, use this hover exclusively.

International Poultry Sales Co., Box 611, Brown's Mills, N. J.



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Old Trusty Poultry Book FREE

Tells the facts and describes the incubator which has enabled over 400,000 others to make big money. Sent free for a postal. **JOHNSON—INCUBATOR MAN, Clay Center, Nebraska**



120 PAGE POULTRY BOOK FREE Tells how to succeed with poultry on the ordinary farm. How to make a first-class brooder out of an old piano box. What breeds lay best. Plans for poultry houses, how to feed, breed, etc. Describes **PRAIRIE STATE Incubators and Brooders** You will be surprised at the valuable information it contains. It's free. Write a postal for a copy today. (21) **Prairie State Incubator Co., 481 Main St., Homer City, Pa.**

Light & Dark Brahmas - Imported London Winners

Eggs \$2.50 per 15, \$10 per 100. A few Breeders for sale. "Owens Farms" R. I. Reds, White Wyandottes, Barred Rocks. "Young's" White Leghorns, "Grove Hill" Brown Leghorns. Eggs and breeders for sale. Mating List free.

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RIVERDALE, N. J.

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Madison Square Garden 1912-13—1st Cock (shape and color special), 1st Pullet (color).

Boston, Mass., 1912—1st Cockerel (color), 1st Pen.

Eggs one-half price after May 15th. Catalogue Free. Satisfaction Guaranteed.

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Contains sixty-four square feet of floor space; two stories high; scratching pen on ground in first story; second story moves front and rear on rollers, allowing access to all parts; nests on rear door; roof screens removable; smooth, removable, galvanized iron drop board; water fountain swinging outside and easily replenished; litter on top floor kept in place; roof, windows and ventilation doors adjustable to all angles; wire mesh protecting openings; perfect ventilation; plenty of light; sanitary in all respects; constructed with number one lumber and of the best workmanship. Price Thirty Dollars (\$30.00) F. O. B. Hornell, N. Y. Plans Two Dollars (2.00). Send for catalog. Mail orders promptly attended to.

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WHITE ROCKS S. C. WHITE LEGHORNS WHITE ORPINGTONS CAPACITY 100,000 ANNUALLY

The grandest chicks and eggs for hatching in the world are produced from our celebrated strain of heavy-laying, utility and exhibition stock. All breeders are reared on fine unlimited range. Every CHICK and EGG guaranteed to arrive in perfect condition. You simply cannot go wrong by starting with the magnificent, bred-to-lay hustlers from the

BABCOCK POULTRY FARM,

Box W,

FREDONIA, N. Y.

Chicks \$10 per 100 and up; Eggs \$5 to \$10 per 100; Catalog Free; Orders booked now for prompt shipment.

nators. However, some six or seven years ago—specimens presented themselves, and very poor objects they were, but as time has gone on, a great improvement has been made until we have the real typical bird, yet there are strains in this country that show all too plainly their origin and that they have been obtained by blood other than Faverolle. Some would pass for good White Orpingtons, if they were minus leg feathers and muffing, others too plainly show something of the White Cochin, especially so at the hocks. These are not White Faverolles, and the breeder who is unfortunate to make a start with this class of birds, will find out that he has made a mistake, as no Faverolle judge would award prizes to such counterfits. I unfortunately have suffered in a small degree, but very soon realized that if, we were to have White Faverolles some other line of action must be taken and to this end, I used my best endeavors to raise them from purely Faverolle blood and in this I was very successful, retaining all the points of perfection, such as muffing, feet and leg feathers type also that is so important and above all secured that pure white, without which all other points would be of little use.

"I said in my former letter that I had been the prime mover in the introduction and perfection of this variety. You will now more readily understand that I did not say that without good authority.

"Another important item is, that they breed very true to color, I don't say but that occasionally a few nondescript birds appear, but they are few and this applies to all varieties more or less. I again speak from experience, having bred over 2,000 during the last three years.

"I have said very little about the Salmons, but my remarks about the Whites may generally be applied to them and besides their qualities are so well known that little need be said."

SALE OF WYANDOTTES

We are informed by H. E. Lapp, Allentown, Pa., breeder of all varieties of Wyandottes, that he will dispose of his White and Silver Penciled Wyandottes. The former consists of one male and fourteen females and the first person sending \$25 gets the lot. The Silver Penciled consists of 7 females and 2 males, among which are included his Allentown and Baltimore winners. \$25 will also purchase this lot. From Mr. Lapp's show record we conclude that his birds must possess quality. He has also reduced the price of eggs and is now filling orders at one-half the former price. Readers interested in Wyandottes should investigate this opportunity. Some one is sure to get a bargain in White or Silver Penciled Dottes.

Columbian Rock breeders should not fail to read Lew Bown's advertising on page 688. Mr. Bown's mating list gives some egg records made by birds in his this year's breeding pens. During February 65 selected females, hens and pullets averaged more than 50 eggs a day. One pen of eleven yearling hens averaged seven eggs a day for the entire month. At Madison Square Garden and Buffalo International Show his birds won numerous first and second prizes. His prices for hatching eggs are very low considering quality of stock and he guarantees satisfaction.

Every person interested in Barred Rocks should send for E. B. Thompson's catalogue illustrating and describing "Ringlet" Barred Rocks. It can be obtained free for the asking by addressing E. B. Thompson, Box 330, Amenia, N. Y.

CASEY JONES TO OCULUM

Come all ye chickens if you want to hear
The story of "Oculum" that cures white diarrhoea;
Gapes, cholera, roup, hide in shame
From "Wonderous Oculum" of world-wide fame.

Hawkins and Fishel say it's all right,
'Tis highly endorsed by Wm. Ellery Bright,
Latham, Blair and Foxhurst Farm
Use "Oculum" always and fear no harm.

A. B. C. BUFF LEGHORNS

A. B. Cox, 49 Thurston Road, Rochester, N. Y., breeder of the A. B. C. Strain S. C. Buff Leghorns, is now selling eggs for hatching at half price. This is an excellent opportunity for those who desire to invest in Buff Leghorns to obtain eggs from high class stock at reasonable prices. Mr. Cox is a well known and successful exhibitor at the leading shows of the country including the Madison Square Garden, Boston and other places. He has had wide experience as a poultryman and we can recommend him to our readers. He has issued an attractive mating and price list that he will be glad to send if you will ask him.

SCRANTON'S S. C. RHODE ISLAND REDS

made the greatest win at Chicago last season that has ever been made in that show by one breeder of Reds. Ask for free catalogue giving full information—it's free.

If you want quality in Reds I can supply it. B. H. SCRANTON, Box W, RISING SUN, IND.

WHITE ORPINGTONS International Champions WHITE ROCKS

January, February and March chicks for early shows.

HIGHWORTH POULTRY YARDS, LONDON, CANADA

Fred A. Andrewes, Proprietor

DAY-OLD BABY CHICKS



of all leading varieties at lowest prices. S. C. White Leghorns of high record laying strain a specialty.

Write for Catalogue and Price List.

New Washington Breeding & Hatching Co., New Washington, Ohio

HALBACH'S White Plymouth Rocks

"STAY WHITE STRAIN"

Eggs champion matings now only \$7.50 per 15; \$13.00 per 30.

Great reductions in stock now on. Your gain is my loss but I need room and will give you the benefit. Write today for special summer bargain sale.

H. W. HALBACH, Box 3, WATERFORD, WISC.

FOR SALE SURPLUS STOCK OF

Oaklands Famous S. C. White Leghorn Hens

A good opportunity to secure a stock of extra fine Leghorns at a LOW PRICE.

Address

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My big Free Book of Plans and Instructions makes all simple as A. B. C. Shows how my patented Lamps, Regulators, Thermometers, Tanks, Egg Trays etc., save money and worry. Thousands enthusiastic. Write now for big Free Book. H. M. Sbeer, Dept. 8 Quincy, Ill.



HERE IT IS FOR ONLY \$4.00

A GREAT BIG HAND GRINDER that will furnish 1 to 2 hrs. per hour of ground corn, oats, peas, dry bone, etc., for poultry feed. Shipping wt. 40 lbs. Get Circular. Stover Mfg. Co., 321 Plymouth St., Freeport, Ill.



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Our new catalog now ready; latest and best designs; all varieties; ask for it today
Chas. L. Stiles. Columbus, Ohio



LICE KILLER Licecil, strongest

lice killing compound made. Works like magic. Simply put a few drops in nests and hang bottle in coop. Powerful evaporating vapors go into feathers, cracks and crevices. No painting, spraying or dusting. Easy to use. Circular free. Pound bottle prepaid 50c. Money back if it fails. Agents wanted
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*** A postal will bring a copy of our Clubbing Catalogue by return mail ***

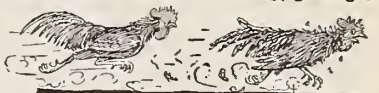


R. & S. C. BLACK MINORCAS and R. C. BROWN LEGHORNS

A chance of a life time to get started, as we can fill your order no matter how large, as soon as it arrives. Eggs from our 40 breeding pens, chicks from a Mammoth incubator. Remember at the recent Chicago Show we made a wonderful winning, getting 6 1sts; 7 2nds; 3 3rds; 1 4th; and 3 5ths; Specials and cups for best display of Minorcas and Leghorns.

Our SPECIAL BUYING PROPOSITION IS OFFERED TO YOU
If you are working on a salary, and haven't enough cash in advance to order what you are wanting, we will fill your order and let you pay so much each month.
Our big catalogue will be mailed for 5 red stamps Mating, price and Summer Sale List Free.

EDGEMONT POULTRY FARM, W. O. CHASE, Box Z, HILLSBORO, ILL.



THE "CHASE"

FERTILITY FROM BUSINESS STANDPOINT

By Eugene J. Strauss, Anchorage, Ky.

Yes; I have raised chickens for a long time; in fact I have raised chickens from time to time ever since I was a boy, but it was only after I was married and bought a country home that I began the raising of fine poultry. My plant soon acquired such proportions that it became too expensive as a mere hobby, and I decided that it should bring a revenue and the products of the Maywood Farm (as my place is called) were offered to the buying public.

My first step was to prepare a mating list; describing the pens and birds was fairly easy. Then came the hard question: Fertility. I had come to a stumbling block. What was I to say in regard to fertility? Of course in hatching my own eggs, I had never worried to a great extent about fertility, but now that as I was taking a customer's money, the customer was deserving of his money's worth. I wanted to furnish one hundred cents' value for every dollar received, and yet, did not want to be abused. I carefully reviewed all of my old poultry journals, together with all the current numbers, to find what had been written on the subject of fertility. I read letters and articles, wherein the breeder was complaining about the unscrupulous buyer making unjust claims, one after another, as to receiving eggs of poor fertility, when the eggs were really right. I also read a great number of articles describing the troubles of the innocent purchaser paying for fertile eggs and getting unfertile ones. I well remember one article wherein the writer claimed "That the breeder knew whether the eggs were fertile or not." I read so much that the question really became more complicated than ever.

Just about that time, I received an order from a lady for a setting of White Wyandotte eggs from my second pen, for which she sent me \$3.00. It happened that I had just set an incubator two or three days before and would not set another one for a week, and I had on hand a number of eggs from my first pen of White Wyandottes, which I was selling at \$5.00 a setting. I had the customer's money, wanted to give her the best value I could, and sent the \$5.00 eggs for \$3.00. Several days later, in testing the last incubator set, to my surprise, the fertility in my first pen of Wyandottes ran below my average. One can hardly imagine my feelings when in trying to be good to a customer, I had sent her eggs which, from my own experience, were below my usual fertility. I immediately wrote a letter, stating that I had shipped eggs from a better pen, and asked how they hatched, saying nothing about the success I had had with the same eggs. In a few days I received a very nice letter from her thanking me for sending better eggs and congratulating me on the high fertility, stating that twelve chicks had hatched. I have since heard that nine of these were pullets, and I have

negotiations on at the present for the sale of one or two cockerels.

After this experience, my mind was made up that the breeder does not know how the fertility runs and the customer is not always trying to "beat" the breeder. But, still the question of giving the customer full value and yet protecting myself was not solved until I located a rubber stamp mounted on a flexible diaphragm that would give a perfect imprint of the Maywood trade mark on the big end of the egg. The problem was solved. My guarantee today reads to the effect that any eggs testing clear in excess of 20 per cent. if returned to me will be replaced, or should the setting test be below 80 per cent. fertile, the entire setting will be replaced at half price. Furthermore, three weeks from the day of shipment of eggs, I send out a letter to each customer asking the result of the hatch. It is almost two years now since this system has been in use on the Maywood Farm, and in not one instance have I had a complaint, but on the contrary, have received many flattering letters as to the high fertility of the eggs.

I use short matings and take the best of care of the eggs after they are laid; they are kept at a uniform temperature, in covered trays and turned every day to keep the germ from sticking to the shell. As a further precaution, before any eggs for setting are sent out, they are thoroughly examined for roughness of shell, ridges,

etc., and then subjected to a test of my one hundred candle power electric tester, which shows every porous spot in the shell.

*** Are you a beginner? If so you should have a copy of "Successful Poultry Keeping." Tells you how to succeed. One dollar the copy ***

Don't pound your fingers, use a PERFECTION STAPLE DRIVER

Price 25c. It will stretch the wire also. Post Paid 30c.



PATENTED

For sale by all good hardware and poultry supply houses. Manufactured by Perfection Mfg. Co., 255 Bay Place, Oakland, California

FREE With This Feeder
one ECONOMY POULTRY FOUNTAIN
 on every first order. Fountain full-sized, guaranteed. Will give long use. Write for offer.

Unity POULTRY FEEDER
 cuts your dry mash feed bill in two. Pat. guard stops waste from side-sweeping. Rat and litter proof. Takes up no floor space. Money back if not satisfied. By parcels post prepaid, with Economy Fountain \$1. Order now, or write for further details. Unity Mfg. Co., 714 51st St., Milwaukee, Wis.

\$1. Pre-paid

BLUE ORPINGTON DUCKS

We beg to announce, to the poultry world the purchase of the entire flock of Blue Orpington Ducks of the Sunswick Poultry Farm together with all their winners and goodwill. It is our purpose to develop this flock extensively and we solicit correspondence from breeders of this choice fowl.
 ROSELAWN FARM, J. H. Wendler, LAKELAND, FLA.

LOVE'S BARRED ROCKS are Champions of the South. At the Tri-State Fair, Memphis, 1912, I won as follows: 1 cock, 1-4-5 hen, 4-5 pullet, 1-2-3-4 pen. Special for best shape cock, best colored cock, best pen, best display Barred Rock from Tennessee, and several other minor prizes. It takes quality to do this and I have it. Choice stock for sale. Eggs, \$5 per 15. Write your wants.
 W. E. LOVE, Jr., Box W, 1129 Union Avenue, MEMPHIS, TENN.

THE DAM POULTRY YARDS,
 JACOB DAM, Proprietor, 12 Clover Street, YONKERS, N. Y.

WHITE { **ROCKS**
 { **WYANDOTTES** } **Winners at 9 Firsts**
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3 Thirds

Mayor Lennon's Cup for Best Pen in Show. Eggs and Stock for sale. Write for list.

"PITTSBURGH PERFECT" POULTRY AND GARDEN FENCE

The fence that adds profits to your poultry business by affording perfect protection for your flocks. Easy to put up, no top or bottom boards required. Made of heavy, Open Hearth wire, heavily galvanized and

WELDED BY ELECTRICITY
 at every joint. A one-piece fabric of greatest strength and longest life. The most widely used poultry fence in the world. It always makes good.

Every Rod Guaranteed
 Your Dealer Sells It. Write for catalogue of all styles.

PITTSBURGH STEEL COMPANY
 Pittsburgh, Pa.

AN IDEAL GENERAL PURPOSE FOWL

By C. H. Chaplin, Glendale, Ohio

The beginner and those who have become dissatisfied with the "boomed" varieties of chickens should give serious consideration to the Partridge Wyandotte. It has required years of intelligent effort to develop this interesting and profitable variety to its present state of perfection, combining as it does the four essential characteristics of the ideal fowl, namely, winterlaying ability, quick growth, hardiness and size, and the man who once takes up their breeding will not easily be tempted to make a change.

As a "general purpose" fowl no breed stands higher than the Partridge Wyandotte in the minds of those who have raised them, its admirers claiming that it is the ideal fowl for farmer, fancier and suburbanite, combining the best points of the egg and meat breeds to a remarkable degree. They are hardy, active, excellent foragers, and the hens make splendid mothers. They are good all-year layers, though they lay most of their eggs during the winter months, when prices are highest, making them a profitable fowl for the egg farmer. A prominent breeder of Partridge Wyandottes says he frequently has pullets laying at five months of age. On July 5th last year this breeder took off a hatch, among which were eighteen pullets. Four of these laid their first eggs on December 24th, and on January 12th he got sixteen eggs from the pen of eighteen. We must admit that this is a fine record, especially for late hatched pullets, and is conclusive evidence that it is unnecessary to hatch Partridge Wyandottes in February or March in order to have winter layers.

The young chicks are hardy and active from the time they are hatched. They are quick of growth, frequently weighing 2½ lbs. at ten weeks of age and have a fine textured meat of unexcelled flavor.

The Partridge Wyandotte has a rose comb, which is another point in its favor, as the veriest amateur in poultry keeping knows that a hen with a frozen comb will not lay, and notwithstanding the care and attention given the high single comb bird there will always be a few that get nipped when the mercury goes down about zero, invariably stopping the eggs for a week or ten days.

In beauty of feather the Partridge Wyandotte stands without a peer, as in the gorgeous combination of rich cherry red and glossy greenish black of the males, and the exquisite penciling of black on rich mahogany of the females, they have no equal from the standpoint of beauty in any of the domestic fowls. For the suburbanite and city poultryman they have

the advantage of not showing the dirt. Light colored birds can not be kept in close confinement near a city without becoming dingy and dirty, detracting greatly from the beauty of the fowl, while the Partridge Wyandotte stands confinement as well or better than any of the American or Mediterranean breeds. They meet every requirement of the fancier, as they are always ready for the show room if properly cared for, do not have to be washed before exhibiting, are of quiet disposition and easily handled.

This is not and never has been a "boom" breed, but has steadily increased in favor year by year as its merits have become better known, and it is well worth the time of anyone interested in poultry for profit as well as pleasure to carefully investigate the Partridge Wyandotte.

QUALITY BUFF ROCKS

E. H. Lichtenwaller, Girard, Pa., well known as a breeder of Buff Rocks, advises that he has a few choice cocks and cockerels for sale, included in the number are first Philadelphia cock and first Cleveland cock. These birds will be sold at a bargain if taken at once, as Mr. Lichtenwaller needs the room for his growing stock and rather sacrifice surplus birds than to hamper development of his youngsters. One or more of these birds should put you in the winning class at your local show this season. Better be quick and write today as the first applicant will secure the choice of birds.

\$10.00 TO YOU

If you know a dissatisfied OCULUM user, who did not get his money back on request from us. We have dissatisfied customers for OCULUM is not a panacea, and we have had people try to cure consumption, gastritis and even a nail in the crop with OCULUM and failed. Over 90 per cent. of them are now enthusiastic Oculumites.

For cholera, roup, white diarrhoea and blackhead you can depend absolutely on OCULUM.

At your dealers or by mail at \$1.00 and 50c per bottle. Testimonials from your state free. OCULUM, Box Q, SALEM, VA.—Adv.

Buschman-Pierce Red Farms, Carmel, Ind., made an unbeatable record on R. C. Rhode Island Reds at the Indianapolis show held January 11-18. They made ten entries of five cocks and five cockerels and won 1st, 2nd, 3rd, 4th and 5th cock; 1st, 2nd, 3rd, 4th and 5th cockerel. None of these males were included in the exhibit made by this firm at the Chicago show where they carried off the major honors in R. C. Rhode Island Reds. Buschmann-Pierce Red Farm have purchased the entire flock of R. C. Rhode Island Reds from Owen Farms, including all of Owen Farm winners and selected breeders, among them being first cock, second hen, 1st pen at Madison Square Garden, December, 1911. Third prize cock, also first at Nashville and Memphis, 1912, and first prize cockerel at Memphis, 1912. With their own large stock it gives Buschmann-Pierce Farms one of the largest and best flocks of this variety in America.

BABY CHICKS BABY CHICKS BABY CHICKS

FROM LEROY SANDS' S. C. WHITE LEGHORNS

will grow into money makers for you, because they are the vigorous bred to live, lay and pay kind. Orders booked for any number. Write for shipping dates and full information. Rock bottom prices. LEROY SANDS, Box W, HAWLEY, PA.

LITTLE'S ROSE COMB REDS

"Like begets like," my wonderful first prize cockerel Boston 1913 is a son of my first pullet Boston 1912, also color and shape special. If you wish to improve your strain send for mating list. Eggs at half price.

GEO. W. LITTLE,

700 Washington St.,

SO BRAINTREE, MASS.

NO MORE HEN LICE

Avenarius Carbolineum exterminates lice, mites, fleas and other insect pests on poultry. One application lasts 12 months or more. Prevents scaly leg, keeps the skin in good condition and makes hens lay better by removing irritating and blood sucking vermin. Poultry houses painted with Avenarius Carbolineum are absolutely sanitary and vermin free. They last longer. Avenarius Carbolineum can be applied as a spray or paint. Always keep a supply on hand. Be sure and get the genuine. Ask for AVENARIUS. If your dealer hasn't it, write for Bulletin 33, giving full directions and prices. CARBOLINEUM WOOD PRESERVING CO., 190 Franklin St., New York City.

The Uhl Day--Old Chick Hatchery

The Largest and one of the Oldest in America.

Now 150,000 Egg Capacity.



M. UHL & CO.,

NEW WASHINGTON, OHIO

F. E. Harrison's ROYAL REDS S. C. R. I. Reds

Make the greatest win ever made at Chicago and Indianapolis by winning ten out of 12 firsts and 27 other regular prizes. Catalogue explaining best matings ever put together—free for the asking.

F. E. HARRISON,

Box A,

MENOMINEE, MICH.



QUESTIONS AND ANSWERS

EDITORIAL NOTE—This department will be devoted to answers to questions of general interest on practical poultry topics asked by subscribers and addressed to Editorial Department, AMERICAN POULTRY PUBLISHING COMPANY, Stafford Bldg., Buffalo, N. Y. Answers in this department are free of charge. Where two or more persons ask substantially the same questions, only one answer will be given. In asking questions try to send full information. The subscriber's name and address must be given [not for publication]. If a reply by mail is desired, be sure to enclose stamped addressed envelope.

Q. Will you kindly advise how to prepare government whitewash? I wish to whitewash the interior of my poultry houses and have seen government whitewash recommended in some of the poultry papers, but I can not find the formula. Your assistance will be appreciated by a regular reader. J. M. W., Penna.

A. Government whitewash is made as follows: Slake half a bushel of lime with boiling water, cover for an hour, strain through a fine sieve and stir in a peck of salt dissolved in enough warm water to do the work thoroughly; boil three pounds of rice to a thin porridge and stir in while hot. Soak half a pound of glue in cold water for an hour, then bring to boiling point by setting the vessel in a pot of boiling water over the fire; stir into the lime mixture together with half a pound of Spanish whiting. Now pour into this five gallons of hot water, stir for three minutes from the bottom; cover to exclude dust and let it alone for two days. Apply hot when you are ready to use it. A pint of mixture will cover a square yard of the surface.

CHICKS DIE IN THE SHELL

Q. Can you tell me the cause of chicks dying in the shell in the incubator after the eggs are pipped? R. H. I., Va.

A. There are several causes for chicks dying in the shell, generally speaking poor vitality and faulty incubation cover a multitude of cases, but there are local conditions that often interfere in securing a successful hatch. An incubator is not "fool proof". In nine cases out of ten when chicks die in the shells after pipping, it is caused by over-curocity on the part of the operator, or some member of the family, in opening the egg chamber too often and allowing the moisture to escape, consequently the chicks stick fast to the shell and are unable to complete the process of exclusion successfully started when it first breaks the shell.

SUBSTITUTE FOR OATS

Q. I keep about one hundred White Orpingtons and I would like to know if there is anything that I can substitute for the oats fed in their grain ration? I use the Philo System and my grain ration consists of oats 18 lbs., wheat 20 lbs., corn 20 lbs. I feed one quart to each six hens at noon as it is too dark to feed when I return from work. In the morning a

tray twenty inches square of sprouted oats is divided equally among the coops. I keep beef scraps, mash and grit before them all the time. When I clean the coops I always find whole oats that they do not touch while the wheat and corn are always cleaned up. I would like to know some way to get around this waste and would appreciate your advice. E. P. W., Ill.

A. It is little wonder that the correspondent finds wasted grain when cleaning out his houses, as he is feeding double the quantity of grain required. One pint to six hens should be amply sufficient. It has been my experience that hens do not relish oats, as well as some other grains, owing to the large amount of husk and the sharp ends possessed by this grain and if given too liberally, large quantities will be wasted. I would advise reducing the quantity of oats in the ration one-half and the amount of grain fed also one-half as above stated. I think I am safe in saying that with the quantity of grain fed that you have not had occasion to fill the mash hoppers very often, as it don't seem possible with this quantity

BUFF ORPINGTONS
Darst's Imported Strain win at Ohio State Show seven prizes, Ohio State Fair all prizes, Cleveland Show 1912 two prizes on two entries, Stock and eggs for sale. Best eggs \$5 per 15.
C. N. Darst, Jacksonville, Ohio

Gabriel's "Raven Black" Strain of S. C. Minorcas At the Indiana State Fair, Indianapolis, September, 1912, won First Cockerel, First Pullet, First Pen.
Fred C. Gabriel, Prop., Raven Black Yards, South Bend, Ind.

BUTTERCUP EGGS
For Hatching 90 per cent Fertility Guaranteed. Prices 15 eggs, \$3.00; 50 eggs, \$9.50; 100 eggs, \$18.00. Safe arrival guaranteed.
J. S. McBRIDE, BEVERLY, OHIO

"How to Breed and Feed Buff Dottes"
Elegant and Instructive New Text Book—Only **20c**

ROCKY RUN FARMS, Box 40, NORTHFIELD, OHIO

Dartmoor Yards "Dark Cornish" Our International Champions won 3 firsts, "Best Display" both Best Male and Best Female at Jan. 1912, Baltimore Club Show, 145 birds in class, 16 exhibitors. Write for other recent winnings. No eggs, season 1913. Address correspondence to
CHARLES S. BRENT, prop., OCONOMOWOC, WISC.
Life Member American Poultry Association,

Coe's Light Brahmas

Won 314 prizes, 3 years. Eggs \$3.00 per 15.

CLAUDE E. COE, LEXINGTON, O.

EGGS WHITE INDIAN RUNNER DUCKS EGGS
Eggs from same pens we use ourselves, \$3 per setting, \$20 per hundred.

A few good Breeders at \$10 per trio.
Meadow Brook Poultry Farm, Nazareth, Pa.

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Breeder of Exhibition Rose Comb R. I. Reds, Winner New York State Fair, Utica, Buffalo International and Grand Central Palace Show. Eggs from best matings \$3 and \$5 per 15.

The Improved Champion Leg Band



Aluminum only; two sizes; adjustable to fit any fowl. Held by double lock. Can't lose off. Postpaid 12-15c; 25-20c; 50-35c; 100-60c. Initials 10c per 100 extra. 50 or less 5c. Also Pigeon Bands.

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KLINGBEIL PARTRIDGE ROCKS--THE GREAT FANCY AND UTILITY STRAIN

They have the show record as well as the quality record. Bred in line for greatest value. Some of my fine breeding pens for sale. Ask for prices.

PAUL KLINGBEIL, Sec'y and Treas. Partridge Plymouth Rock Club, WALPOLE, MASS.

MAPLECROFT S. C. RHODE ISLAND REDS

Our Pullet, Palace Queen, won 1st at both New York Shows, Shape and Color Special, 1911. Our Pullet, Red Princess, won 1st at both New York Shows, Shape and Color Special, 1912-13; both bred and owned by Maplecroft Farms. We also own PARIKA, 1st Cockerel, New York, 1912, one of the best birds ever bred.

EGGS for SALE from choice Matings. Send for Circular.

MAPLECROFT FARMS, PAWLING, N. Y.

EAKIN'S WHITE WYANDOTTES

Won at Ohio State Show 1-3-4 cock, 2-3 cockerel, 2-4 pullet, 3 pen, special for best shaped male, special for whitest male. Our breeding pens contain these winners as well as the birds that produced them. Eggs \$5.00 per 15, \$9.00 per 30, \$12.00 per 45.

F. M. EAKIN, Box 61, BUCYRUS, OHIO

Christie's S. C. White & Brown Leghorns

Having been bred for thirteen consecutive years, represented in every State in the Union, Austria, South America, Bermuda and Canada, they stand to-day without an equal as egg producers, the foundation upon which all branches of the Poultry Industry hinge. Would thousands of our pleased patrons place increased orders with us year in and year out if our birds were not as we represent them? There can be only one answer to the above question, and that is "NO". Then why ponder, when we offer Day-Old-Chicks and Eggs For Hatching, from the World's greatest layers? "Better be right than sorry". Write to-day for our illustrated catalogue.

WAYNE POULTRY FARM,

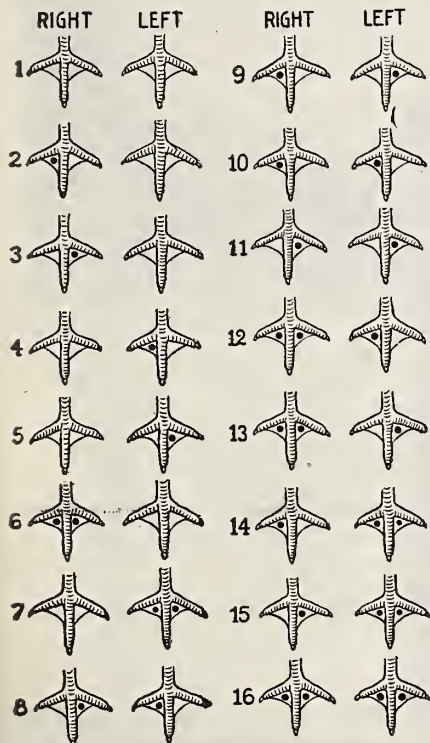
F. W. Christie, Prop., Box 67, STONY POINT, N. Y.
S. C. White and Brown Leghorn Chicks—\$15.00 per 100.

of grain at their disposal that the birds would be inclined to eat very liberally of the ground grains. If your method of feeding is part of the Philo System it is certainly an extravagant system to adopt.

TOE MARKING CHICKS

Q. Will you advise me how to toe punch chicks so as to distinguish them from other chicks when they mature? R. S., Minn.

A. Toe marking chicks is a simple operation and consists of punching or



The above illustration shows how to toe mark sixteen different broods of chicks of the same variety, so they can be readily identified when mature. By keeping a record of marks, date hatched, etc., one can determine instantly the breeding of any individual an important point where line breeding is practiced.

cutting a hole in the web between the chick's toes. An instrument designed for the purpose may be secured of any of the Incubator Companies or your local poultry supply dealer for 25c. It is possible to effect a series of sixteen combinations of marks. These marks are illustrated in the accompanying illustration. The operation should be performed when removing the chicks from the incubator or nest. When done at a later date much trouble may be experienced, as the blood is apt to appear in the cut in older chicks, which soon attracts attention of their mates, and the little fellows are soon literally eating one another up. The marks are also very liable to heal over in the older chicks thus making identification impossible.

HOW MANY HENS

Q. How many White Leghorn hens can be kept in a house 15x30 feet with success, on the fresh air plan? G. K. B., Penna.

A. Ninety to one hundred with ordinary good care; of course much depends upon your ability as a poultryman. If you have not had experi-

ence I would say 75 were sufficient, while with careful attention 150 might be successfully housed in a building of the above dimensions. I take it for granted that your reference to the fresh air plan refers to the open or curtain front house.

CHICKS DEAD IN SHELL, CRIPPLES, ETC.

Q. What is the cause of so many chicks dying in the shell in incubator hatched chicks?

A. See answer to similar question above.

Q. What causes three or four of each hatch to be cripples?

A. There are many causes given for crippled chicks, but I believe it can usually be traced to some fault of the breeding stock rather than any irregularity in the process of incubation.

Q. I am raising White Leghorn and would like to ask why I get so many more cockerels than pullets?

A. This is probably due to a predominant feature of the males at the head of the breeding pens. Supply a larger number of females and see if the results are not reversed.

*** "The Bantam Book," buy it for the little ones. It tells all about these little favorites. Copy post paid fifty-cents ***

BRUBAKER'S S. C. W. LFGHORNS

Eggs at half price. Yearlings hens and cocks at greatly reduced prices. This is your opportunity to get a start in this famous line of blood that will improve your flock both in egg-laying and exhibition qualities. Write for prices of stock and mating list.

E. E. Brubaker, Box D, Bird-in-Hand, Pa.

R. C. Buff Leghorns-Turner's Golden Rod Strain

have won blue ribbons at Boston, Brockton Fair, Holyoke, Springfield, Rochester, Portland, Freeport, South Paris, Gorham and wherever shown. Orders booked for eggs at \$5 and \$3 per 15. Satisfaction guaranteed. Send for mating list.

E. J. Turner, Springvale, Maine

BREED A LIVE BREED

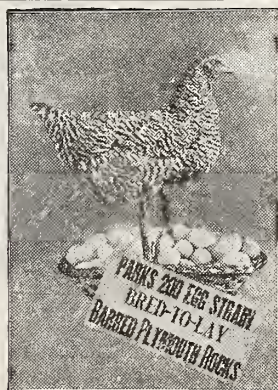
Improved Silver Campines. Do it now. Be a live one. Why? Because they are beautiful, useful and popular. Send for my booklet telling all about this unique breed.

DR. J. H. PRUDHOMME, Desk B, THURMONT, MD.

Baby Chicks and Eggs for Hatching White Wyandottes & S.C. White Leghorns

Large and vigorous. Maturing early and winter layers. Stock for sale at all times. 13 years a breeder.

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AT HALF PRICE

PARKS' Bred-to-Lay BARRED ROCKS EGGS AND CHICKS

Now is the chance for to get started with small investment in the oldest and greatest laying strain of to-day. Large catalog and chick circular Free.

J. W. PARKS,

Box W, ALTOONA, PA.

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1 Cockerel, 1-2 Pullet at the Great Hagerstown Show. If you want quality, I have it at reasonable prices. Write me. Also LIGHT BRAHMA BANTAMS—the kind that win. F. W. DAVIS, Box W, KEYSER, W. VA.

PARTRIDGE ROCKS

ALSO COLUMBIAN, SILVER Penciled and barred of high-class. J. A. HAGEMAN, President Partridge Plymouth Rock Club, Box W, Charlotte, Mich.

Rose Comb Rhode Island Reds

Blue Ribbon winners at Hagerstown, Allentown and other big shows, including Madison Square Garden. Stock and Eggs for sale.

Twin Oake Farm, Palmyra, Pa.

DOUGLAS BARRED ROCKS

The Famous Silver Cup and Blue Ribbon Winners wherever shown. Eggs \$3 for 15 from the best cockerel or pullet matings. Show birds and layers for sale. H. B. Douglas, Mgr., Hannibal, N. Y.

JAMES T. HUSTON, Originator and Breeder of the "Ideal Strain" BARRED PLYMOUTH ROCKS Box L, Williamsport, Penna.

DEMING'S S. C. REDS

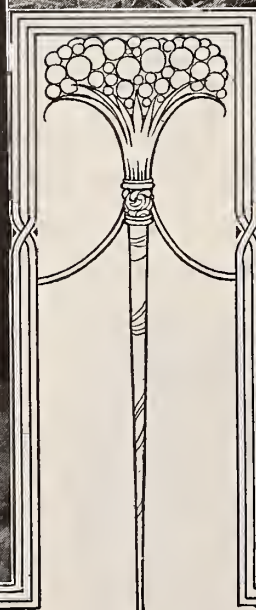
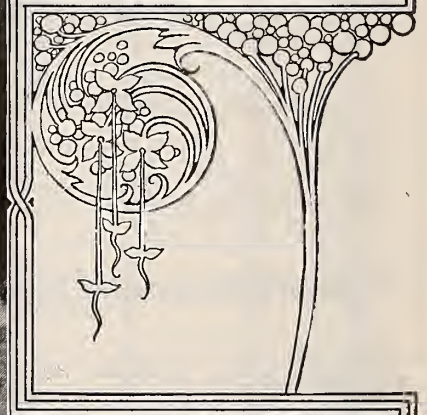
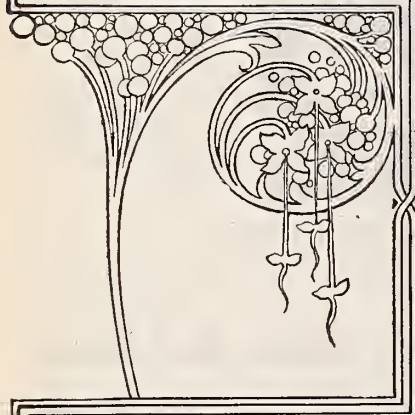
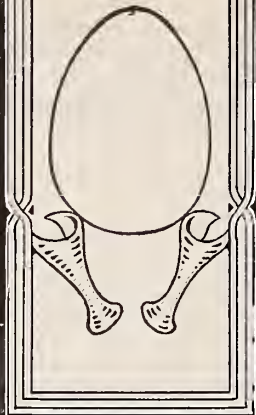
Winners at Madison Square Garden and at Storrs Laying Contest. Eggs from special matings now at half price. Circular.

H. P. Deming, Robertsville, Conn.



SINGLE COMB White Leghorn Chicks 8 Cents each.

Breeders for sale 75c and \$1 each. Hatching eggs 50 cents per sitting; \$3 per 100. Chick feed best quality \$2.25 per 100 lbs. Lice powder and paint at half price. E. F. Snyder, Olean, N. Y.



When J. C. Fishel & Son began breeding White Wyandottes they had a definite purpose in view and that was to produce the very best flock that study and scientific breeding could produce. How well they have succeeded is too well known, to need any comment here. The Fishel White Wyandottes have been shipped to customers in all parts of the world.

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RATES:—Classified advertisements will be inserted in this department of AMERICAN POULTRY WORLD at 5 cents a word per month for one or two months, or at 4 cents a word per month for three or more months. Change of copy allowed quarterly without extra cost. No order accepted for less than 50 cents for each insertion. Numbers, initials and abbreviations count as words. No display allowed other than initial word or name.

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We guarantee to publish an average monthly circulation of 45,000 copies during the year ending with April, 1913.

"BECOME IDENTIFIED WITH A WINNER."

ANCONAS

My ANCONAS have won firsts at Buffalo, Cleveland, Jamestown, Olean, Stock, Eggs, Chicks, Mating list free. Wm. S. Rathbun, 8 Kingsbury Ave., Jamestown, N. Y. 2-6-3

ANCONAS—Eggs for hatching from Blue Ribbon and Special prize winners and unexcelled layers. Member Ancona Club. Marion Hill, Geneva, N. Y., R. No. 4. 12-1-4

ANCONAS—Single Comb, large dark birds, correct type, comb, legs and mottling. Eggs \$1.50 per 15, or \$7.00 per 110. Eggs \$2.00 per 15, or \$10.00 per 110. Stock for sale. Geo. C. Schwegman, Richmond, Ind. 4-6-3

SHEPPARD'S FAMOUS ANCONAS. The world's best. Single or Rose Comb. First at World's greatest shows, including London, England, Madison Square and Cleveland. Greatest egg record—256 average. Catalogue free. Cecil Sheppard, Box X, Berea, Ohio. President International Ancona Club. 3-6-3

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I HAVE 200 breeders of this beautiful variety. Won 140 ribbons at 14 of the leading shows in the United States and Canada, 1912-13. Heavy layers of large white eggs. Send for mating list and prices. Appletree Farm, E. D. Bird, Greenwich, Conn. 3-7-3

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RARE BARGAINS—Golden and Silver Sebright, Buff, Black, White and Partridge Cochins, Rose Comb Black, Red Pyle and Black Red Game Bantams, 1000 Birds. Proper & Son, Schoharie, N. Y. 12-7-13

BANTAMS—"Classy" Red Pyles, bred from best imported and home bred birds. Also Black Cochins Bants. Usually have a choice few to spare. Eggs in season. "Zim," Gloversville, N. Y. tf

BANTAMS:—34 varieties, Stock for Sale, Egg orders booked. Send 2c stamp for circular. A. A. Penn, Box 44, Delavan, Wis. 6-6-3

America's greatest winning strain of BUFF COCHIN BANTAMS. Have pleased noted breeders and can please you. B. O. Schilling, Linden Road, R. F. D. No. 1, Rochester, N. Y. 12-1-4

BLACK, WHITE, BUFF COCHIN, Light and Dark Brahma Bantams, winners of blue ribbons, cups, medals, etc., at America's largest shows. It will pay you to write me before buying. A. I. Paine, Whitman, Mass. tf

GOLDEN SEBRIGHT BANTAMS, cockerels for sale. Eggs for hatching \$2.00 per 12. Ravine Poultry Farm, Almond, N. Y. tf

BUFF COCHIN BANTAMS. Eggs \$3.00 per 15. Charles Jehl, Long Branch, New Jersey, winner 93 prizes New York Show. 3-6-3

D. L. Christian, Rocky Mount, North Carolina. BUFF AND BLACK COCHIN eggs \$2.00 per setting. See my winnings at Bethlehem, Augusta and Rocky Mount for the last two years. My Buff pen is headed by the first Baltimore cock. 3-6-3

EGGS FOR HATCHING—J. Hart Welch Strain Light Brahma Bantams, winners everywhere. Prolific layers. Francis J. Carmand, Lock Box 312, Red Bank, N. J. 1-5-3

My entire stock of prize winning BLACK COCHIN BANTAMS for sale cheap. Frank Wilson, Box 156, Oakville, Ont. 1-6-3

BANTAM SPECIALIST—Buff, Black, Partridge Cochins, Light and Dark Brahmans. I ship on approval. Circular free. Geo. C. Salmon, Port Dickinson, N. Y. tf

BANTAMS—White Japanese Bantams, males and females for sale. B. G. Wier, Lititz, Pa. 2-7-3

BRAHMAS

GIANT lay and weigh strain Light BRAHMAS.. Satisfaction guaranteed. Settings \$2. Special pens \$3. M. H. Nolan, Stratford, Conn. 6-6-3

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WEISBERG'S QUALITY BUCKEYES, the leading strain of the best breed. Hardy winter layers, broilers practically free from pin feathers. Free catalogue. A. H. Weisberg, Nevada, Mo. 5-6-3

Weisberg's Quality BUCKEYES, the leading strain of the best breed. Biggest winners New York, St. Louis, Memphis, Sedalia. Free illustrated catalogue. A. H. Weisberg, Nevada, Mo. 3-6-3

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SICILIAN BUTTERCUPS, world's champion layers, lay large white eggs, very handsome and the tamest of all breeds of poultry. Large and eat only half as much as Leghorns. Thoroughbred stock for sale cheap. Hatching eggs \$2.00 per 15. Henry Woodworth, Box 505, Cheboygan, Mich. 3-6-3

CAMPINES

SILVER CAMPINES:—Jacobus strain. Pure white eggs from extra fine stock averaging 200 eggs \$2.50 for 15. Order at once for early delivery. Martling Hennery, Ridgefield, N. J. Box 180. 6-7-3

SILVER & GOLDEN CAMPINES. Our birds have proven by their winnings that they are the world champions of them all. See our advertisement on cover 3. Manhattan Farms, Geo. E. Noeth, Owner, Brighton, N. Y. tf

GOLDEN CAMPINES—When in doubt try Smith's up-to-date Goldens, none better. Eggs in season, \$3 for 15. For description write to R. E. Smith, Afton, N. Y. 3-6-3

SILVER CAMPINES — Importers — Breeders, Improved English type: Van Schelle—Jones and Edwards strains direct. First cockerel, Kansas City, Chicago, 1910. Second pullet Crystal Palace, 1912. Second pullet Madison Square 1912. No better anywhere, at any price. Seven years mating and specializing Silvers only. Booklet free. Thomas Keeler, Waverly, N. Y. 2-6-3

M. R. JACOBUS, Box 3-W, Ridgefield, N. J., the first introducer of the Improved Campines into America, now offers eggs from his Silver and Golden Campines at half price for balance of season. Don't waste time hunting up my display advertisement. Write for price list. 1-6-3

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COCHINS—Special sale of White, Black, Buff and Partridge Cochins, old and young. Full feathering and fine color—200 youngsters for Aug. delivery. Address D. C. Peoples, Uhrichsville, Ohio.

CORNISH FOWL

DARK CORNISH, Challenger Strain. Eggs for sale from four matings containing many noted winners. Write for mating list giving winnings, prices and reasons why Challenger Strain Dark Cornish are "The Greatest Farmers' Fowls." Utility and show birds constantly on hand at attractive prices. Address Heartlands Farm, Box 352, Warrenton, Va. 3-6-3

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RED DORKINGS—England's oldest fowls, brought to Britain by the Romans. Cocks, black-breasted reds of eight pounds; hens, black-spangled reds of six. Heavy layers of white eggs. Sittings of fifteen, first pen, five dollars; second pen, two dollars. Write for old fashioned circular to C. Weygandt, Wissahickon Ave., Mt. Airy, Philadelphia; Pa. 11-3-4

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MAMMOTH WHITE PEKIN DUCKS—Standard bred, prolific layers, free water range. Eggs for hatching \$1 per 11, \$4 for 50. Howard J. Curkendall, Berkshire, N. Y. 3-6-3

Eggs from prize winner, imported ROUEN DUCKS. 12 firsts at Chicago Show. Also Buff Rocks, imported White Malines. Send for price list. Mention Poultry World. Henry Schell, Prophets-town, Ill. 3-6-3

FAWN and WHITE INDIAN RUNNERS—Horsbarger's White egg strain. American Standard. Drakes have light fawn heads and tails, \$1.50 per 15, post-paid, \$6 per 100. J. Warren Miller, Parker Ford, Pa. 3-6-3

COOK'S STANDARD FAWN INDIAN RUNNERS, large white egg strain. Stock and eggs. Booklet containing valuable information for stamp. Irving E. Cook, Munnsville, N. Y. 6-9-3

65 FISHEL WHITE RUNNERS for sale. 13 eggs \$1.50, 26-\$3.00, 50-\$5, 100-\$10. Henry Heitkamp, New Bremen, Ohio. 1-6-3

WHITE RUNNER DUCKS—Eggs, reduced May 1st, dozen \$1.50. Kittie Mulcahy, Clyde, N. Y. 3-8-3

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Bargain CHAMPION WHITE SALMON and BLACK FAVEROLLES. Retiring. 1,000 birds to be sold by December. Best strain on earth, particulars sent on application. Betts, Goostrey, Cheshire, England. 3-7-3

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EGGS for hatching from a grand pen Exhibition Red Pyle Games at \$5.00 per 15. Stamp for reply. F. G. Bouquet, Owego, N. Y. 3-6-3

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PEARL GUINEAS—Eggs, \$1.00 per 15; \$2.00 per 36. J. L. Hoak, Spencerville, Ohio. 3-6-3

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SILVER SPANGLED HAMBURGS—Cock won 8 firsts, two seconds, headed my best pen, sacrificing at \$5.00. Eggs \$1.50 per 15; \$6.00 per 100. Raymond Heald, West Chester, Pa. 3-7-3

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ABERNETHY'S HOUDANS, Winners New York, Boston, Philadelphia, Hagerstown, Brocton, etc. They look well, win well, lay well. Better buy the best. Stock and Eggs reasonable. Jas. Abernethy, Main St., West Pembroke, Maine. tf

HOUDANS—Winners at Canonsburg, Pa.; Indiana, Pa.; Sewickly, Pa., and Pittsburgh Exposition. Write for mating list. D. R. Stitsel, 921 Kirkbride St., N. S. Pittsburgh, Pa. 3-6-3

HOUDANS—Proprietor all Petersen's, also book 20c. Eggs, stock. Dr. Wright, Bolster's Mills, Me. tf

Eggs from pure bred **HOUDANS**, \$1.00 setting of 15. My birds won first and second at the fairs. Mrs. Clarence Bettis, Forestville, N. Y., Route No. 7. 2-6-3

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EGGS HALF PRICE during Jure. Langshans, Black, White. Robinson's West St., So. Weymouth, Mass. 1-6-3

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LAMSON'S ROSE COMB BROWN LEGHORNS are bred to lay. Baby chicks from layers. \$15-hundred. Winners Madison Square and leading shows. Eggs for hatching. Circular. H. S. Lamson, Box C, Cameron, N. Y. tf

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Fiske's Rose Comb **BUFF LEGHORNS** have won more prizes at Madison Square Garden than all their competitors together. Catalogue Free. Howard J. Fisk, Box N, Falconer, N. Y. 3-7-3

S. C. BUFF LEGHORNS, heavy layers, won 97 prizes last year. Eggs \$1.50 up. Catalogue free. Chestnut Hill Poultry Farm, Easton, Pa. 12-2-4

BUFF LEGHORNS—Single Comb Large Golden Buff Birds, type, comb & legs right. Eggs \$1.00 per 15, or \$5.00 per 110. Eggs \$2.00 per 15, or \$7.00 per 110. Stock for sale. George C. Schwegman, Richmond, Ind. 4-6-3

ROSE COMB BUFF LEGHORNS, Madison Square, Grand Central Palace winners. Eggs for hatching. Write for matings. Dr. C. A. Stivers, 45 E. Main St., Middletown, N. Y. 3-6-3

Seek No Further Yards, **SINGLE COMB BUFF LEGHORNS**, some of best in State. Send for mating list. Let me prove my guarantee. Rochester, N. Y. 3-6-3

BUFF LEGHORNS, Rose, Single. See display ad. on page 706. H. B. Green, Dixon, Ill. 3-6-3

SINGLE COMB BUFF LEGHORN Eggs. From heavy layers, \$2 per set. Satisfaction guaranteed. Ben Newton, Park Avenue, New Philadelphia, Ohio. 3-6-3

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SILVER LEGHORNS—a specialty, 10 years a breeder of this beautiful variety. circular free. Sylvester Shirley, Pt. Clinton, Ohio. 12-2-4

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Best for the Least, Hillhurst Farm **S. C. WHITE LEGHORNS**, best eggs, best baby chicks, best price. Catalog. John Castlerline, Mgr., Poultry Dept., Orchard Park, N. Y. 3-6-3

S. C. WHITE LEGHORNS, Winners at Allentown and Hagerstown. Eggs and chicks. Prices right. Circular free. Parkway Farm, R. R. No. 14, Trenton, N. J. 3-6-3

Pullets for sale—12 weeks' old **SINGLE COMB WHITE LEGHORNS**. Satisfaction guaranteed. Harry F. Palmer, Middleport, N. Y. 1-6-3

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ROSE COMB BLACK MINORCAS. Won all firsts, Toledo Show last two years. Mating list free. Varland Poultry Yards, Varland Ave., Toledo, Ohio. 3-6-3

S. C. B. MINORCA Cockerels 1st, 2nd, 3rd winners, Chautauqua Co. Poultry Association, Dec. 1912. Stock, eggs Perry Sweet, Falconer, N. Y. 3-6-3

Winan's **MINORCAS** are again winners. Hatching eggs. Mating list free. H. R. Winans, Lakeville, Conn. 3-6-3

ORPINGTONS—BUFF

BUFF ORPINGTON eggs \$1.25 per 13. Owen Farms prize strain. T. H. Mettler, East Millstone, N. J. 3-6-3

ORPINGTONS—WHITE

KELLERSTRASS CRYSTAL WHITE ORPINGTONS, Stock and eggs for sale. Heavy **WHITE** birds, Prolific layers. Mrs. A. R. Stickle, Macomb, Ill. 2-6-3

KELLERSTRASS CRYSTAL WHITE ORPINGTONS stock from \$150 trio. Baby Chicks for sale. Cockerels \$2 and up. Eggs ten cents each. Chas. E. Baker, Andover, N. Y. tf

WHITE ORPINGTON pullets, bred for winter layers, \$2 and \$3. Eggs 5, 10 and 20 cents each. J. Hargraves, Norwalk, Ohio. 3-6-3

W. ORPINGTON breeding pen including five prize winners at a very low price. C. J. Cisky, 1814 7th St., Port Huron, Mich. 3-5-3

ORPINGTONS—SEVERAL VARIETIES

WILLIAM COOK & SONS, Originators of all the Orpingtons, Box W., Scotch Plains, N. J. For the best Orpingtons, any variety, it is natural you must send to their Originators. Send 10c for Illustrated Catalogue, just out, with history of Orpingtons and hints on poultry keeping. tf

KELLERSTRASS BLACK AND WHITE ORPINGTONS, eggs for setting \$1.00 per 15. R. A. Smyth, Worton, Md., R. No. 1, Box 36. 4-6-3

Brackenfield Farms—**ORPINGTONS**, Buff, Black, White—winners at Chicago, Detroit, Topeka St. Paul, Minneapolis. Ask for mating list. Brackenfield Farms, R. No. 12, Rochester, Minn. 3-6-3

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PHEASANTS for sale. Goldens, Silvers, Amhersts. Robert A. Kocher, Allentown, Pa. 1-6-3

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I offer guaranteed mated **HOMERS**, in any quantity, at \$1.00 pair, and challenge squab companies or dealers to produce better stock at twice this price. Beautiful White Homers, \$1.50 pair. Get my prices on Runts, Carneaux, Maltese Hens, and save dollars. Charles Y. Gilbert, 346 N. American St., Philadelphia, Pa. 1-6-3

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BARRED ROCK BREEDERS. Send 50c for National Barred Rock Journal one year. The only monthly magazine issued wholly in the interests of the Grand Old Breed. W. L. Robinson, Pub., Union City, Mich. tf

E. B. THOMPSON'S "RINGLETS" direct. Extra choice breeders at half price. Wm. Huckle, Waverly, N. Y. 3-7-3

PLYMOUTH ROCKS—BUFF

POLEY BUFF CHICKS—Advantageous prices. Circular free. W. R. Hobbie, 532 Court, Kankakee, Ill. 1-6-3

PLYMOUTH ROCKS—PARTRIDGE

PARTRIDGE ROCKS—Winners at Allentown, Hagerstown and Atlanta. Eggs and chicks. Prices right. Circular free. Parkway Farm, R. R. No. 14, Trenton, N. J. 3-6-3

PLYMOUTH ROCKS—WHITE

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WHITE RUNNERS. Farm reared, well bred, stylish. Cutting our price. Pearl Guineas, pairs \$2 to \$4. Fifteen eggs \$2; 26 R. C. Brown Leghorn eggs \$2. Hundred \$5. Kittie Mulcahy, Clyde, N. Y. 3-6-3

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FAWN and WHITE INDIAN RUNNER DUCKS, Pure White Eggs \$1.00 per setting, \$5.00 per 100. Baby Ducks 25 cents each. S. C. BLACK ORPINGTON eggs from prize winners \$1.00 per setting. Baby Chicks 20c each. Mrs. Glenn Kerr, McComb, Ohio. 3-6-3

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DAY OLD CHICKS and Ducks, Single Comb White Leghorns, chicks 10c a piece, Pekin Ducklings, 20c a piece. Hart Lester, Ransomville, N. Y. 1-6-3

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PRINTING for Poultrymen, fine cuts used, samples free, mention your breed. W. A. Bode, Fairhaven, Pa. 12-12-3

FOR SALE

BEST LOCATED FARM FOR POUL- TRY BREEDING PLANT IN U. S.; ad- jacent R. R. Union Station in N. J.; partly developed; has future building lot value; will sell 5 to 100 acres at bargain; owner has other interests. Dr. J. M. W. Kitchen, 94 Prospect St., East Orange, N. J. 4-7-3

4 1/2 ACRES LAND—\$1,575—Fronting 324 feet on fine brook, grand for ducks, poultry, vegetables and berries, El- beron, midway between Long Branch and Asbury Park, famous resorts, gas, city water. Charles Jehl, Long Branch, N. J. 1-6-3

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POEM

Dedicated to the practical side of the poultry industry.
As I sit in my arm chair dreaming,
Dreaming of long ago;
I hear the hens a cackling,
And the sound of the rooster's crow.

I see the cows in the pastures,
And the sheep in the meadows so clear;
And the hens in the yard a scratching
With their baby chicks so dear.

I wake with a start from my dream-
ing,
And all the dear visions fly past;
But I smell a scent so inviting,
Some longed-for fried chicken at
last.—Celia Irene Root, Ala.

CONNOR'S POULTRY DEVICES

W. M. Connor, 264 Jersey Ave., Jersey City, N. J., was among the first to place on sale an automatic poultry feeder and since its introduction has invented many other practical devices for the poultryman that have been recognized as time and labor savers and have been adopted on many leading poultry farms. Two of his devices that are particularly useful at this season of the year are the Connor drinking fountain and the Connor dry mash hopper, in fact these are every day necessities the year around.

As a special inducement to introduce these two devices to those who are not using them, he is making a special offer that is worthy of consideration and all readers should look up his announcement on another page. If you are not in the market at the present time you should secure his free catalogue and become familiar with what he has to offer. Write today addressing as above.

W. M. Connor, 254 Jersey Ave., Jersey the advertising of Henry J. Hunt, 3rd. of Bethesda, Md. Mr. Hunt is well known as a Wyandotte specialist. Due to ill health he has disposed of all varieties excepting Silver Laced and Partridge Wyandottes and in the future will confine his efforts to these two varieties. His Silvers are descendants from "Dandy" first prize male at Madison Square Garden in 1907 and '08, while his Partridges are direct from prize winners at America's leading shows. Mr. Hunt has been a breeder of Standard-bred poultry for the past twenty years and has bred numerous varieties. His birds have carried off highest honors at the leading shows of the country. We are glad to recommend Mr. Hunt to our readers. He has been an advertiser in AMERICAN POULTRY WORLD for a number of years and we have never had any word of complaint against him or his stock. His splendid descriptive catalogue containing the history of the Wyandottes may be obtained for 8 cents in stamps.



Silver

CAMPINES

Golden



The Champions of Them All

My winnings at Allentown, Hagerstown, Grand Central Palace, N. Y., Philadelphia, Boston, last but not least **Madison Square Garden, 1913**, in hot classes as the entries show, I won four times as many firsts as all other breeders combined. Nuff Said. Mating and Egg List Ready.

MANHATTAN FARM,

GEO. E. NOETH, Owner,

BRIGHTON, N. Y.

"Ward's Champion Dark Cornish"

Ward sails for England, via American Line, August 1st to buy Cornish. Interested fanciers and breeders write for terms and prospectus of trip.

JOHN W. WARD, JR.,

Box 6,

PENNINGTON, N. J.

BEST FOR LAYERS **RAINBOW** BEST FOR TABLE
PARTRIDGE ROCKS
THE ROCKWOOD FARM, BOX 11 NORWALK, OHIO

MINEOLA STRAIN

Buff Wyandottes

L. D. HOWELL,

MINEOLA, N. Y.

CONGDON'S Barred Rocks

BRED FOR

UTILITY AND BEAUTY

Write your wants in Cocks, Cockerels, Hens, or Pullets. \$2,000 invested, 20 years' experience.

INCUBATOR EGGS, \$5.00 per 100, \$40.00 per 1,000.

New booklet free.

W. A. Congdon, Waterman, Illinois
BOX 404

BLACK COCHIN BANTAMS **PARTRIDGE WHITE**

Our strain of Cochin Bantams have won the leading honors at

America's Greatest Shows

for years; and during the past fall and winter our birds won **91 first** out of a possible 109. At *Chicago, Indianapolis, Louisville, Indiana, Tennessee and Tri-State Fairs*. Write for our *Beautiful 1913 Mating List* describing the **25 most wonderful Pens Ever mated**. Remember that this is the **HOME** of



America's Best Cochin Bantams

and these *Little Wonders* are busy Producing Eggs.

WAHEBE BANTAM YARDS,

W. Besuden, Prop., Box 13, R, Cincinnati, Ohio

BONNIE BROOK POULTRY FARMS

Single Comb White Leghorns



are the kind that win in the show room, or fill the egg basket. We are now offering 2000 grand Utility Breeders for sale to make room for the growing stock. Write for our price on these, in any quantity.

We can supply you with **QUALITY** as well as **QUANTITY**. Write for our catalogue, describing our farm.

H. L. Davis, Mgr., Box 90-A, Saratoga Springs, N. Y.

The Leading Poultry Farm of Northern New York



1st Prize Cockerel and Champion Male and 1st Prize Pullet and Champion Female at Madison Square Garden, New York, 1913.

E. B. Thompson's Imperial Ringlet Barred Plymouth Rocks

BARGAIN SALE FOR 1913

Is the event in Barred Plymouth Rocks. This sale stands out with a prominence that is clearly defined. My Special Sale List is now ready for mailing and I offer the largest and finest assortment of Barred Rocks in America at the most decisive price reduction and the most emphatic bargains ever recorded.

THIS IS AMERICA'S FOREMOST BARGAIN SALE

and goes beyond anything ever before attempted in thoroughbred poultry. The resources of my "Ringlets" farm are unlimited and you can now secure Madison Square Garden, New York, winners and sons, brothers, sisters and daughters of New York winners, and birds of this richest New York prize winning blood at the decided bargain figures.

IN THIS SPECIAL SALE are listed the finest show birds, the finest breeders, in single birds, pairs, trios and pens that I have ever offered in all my 33 years career as a Barred Rock breeder, and at the rarest bargain prices. There are lots to meet the needs of all.

THE IMPERIAL RINGLETS are the proud product of more than a quarter of a century of Barred Rock breeding—they have the most fashionable barring and even blue color of the present day—they sell when no others will, by reason of their matchless quality. (At Madison Square Garden, New York, 1913, my Imperial "Ringlets" won four times as many 1st prizes as many competitors—more 1st, regular and special prizes than won by any exhibitor of any breed. These include 1st prize and Champion Male, 1st prize and Champion Female. No other Barred Rock breeder has ever won Champion Male and Champion Female at one show in Madison Square Garden.)

It will be to your interest to have this Special Sale List and take advantage of this opportunity to secure "Ringlets" at the cut down bargain prices. Whatever may be your wants in Barred Plymouth Rocks, you will find it in my Special Sale List at bargain figures. The List will be mailed promptly upon request. Elegant 70-page catalogue upon application.

Address *E. B. Thompson* Lock Box 330, AMENIA, N. Y.

EGGS from the World's finest exhibition matings, \$10.00 per setting; four settings eggs, \$35.00; one hundred eggs, \$60.00; one-half these prices after JUNE 10th.

Royal Blue Barred Rocks

HATCHED IN MAY AND JUNE

Will be just in bloom to win at NEW YORK, BOSTON and CHICAGO

The early birds will be past their prime and the late ones will be the winners. I can sell you

Eggs from the World's Best Matings

1 Setting \$10,

2 Settings \$18,

3 Settings \$25,

100 Eggs \$50.

I have bred more New York and Boston winners than any other breeder in America and you get the benefit of my 35 years experience breeding Barred Rocks that win.

The Cockerel Matings are headed by the winning males at New York, Boston and Chicago 1911 and 1912. The Pullet matings are headed by the winning pullet-bred males at Chicago 1912. There are none better. Choice Breeding Birds for sale at honest prices.

Catalogue of the Champions Free.

A. C. Hawkins,

Lock Box 30,

Lancaster, Mass.

Champion Buff Wyandottes

(AMERICA'S GREAT GENERAL PURPOSE FOWL)

AS TO QUALITY, Champion Buff Wyandottes won 30 out of a possible 32 First Prizes at Chicago, Indianapolis, Nashville, Cincinnati, Hamilton during 1912.

AS TO UTILITY, Champion Buff Wyandottes averaged over 22 eggs per hen during March, 1913. They have been bred for many years for the production of eggs.

If you want to win the Blue Ribbons next winter, or if you like your egg basket full during the entire year, raise Champion Buff Wyandottes, America's Great General Purpose Fowl.

Every Bird and Every Egg we sell is Fully Guaranteed.

YOU CAN'T LOSE IF YOU RAISE CHAMPION BUFF WYANDOTTES.

BESUDEN BROS.,

P. O. Box 359 W,

R. W. Sturtevant, Manager,

CINCINNATI, OHIO