

# AMERICAN POULTRY WORLD

MARCH, 1915

Vol. VI.

No. 5

INDUSTRY

PROGRESS

ECONOMY



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

LIBRARY  
RECEIVED  
MAR 31 1915  
U.S. Department of Agriculture

# GOLDEN AND SILVER CAMPINES

Limited number of yearling breeders for sale  
Now is the time to buy them right.  
Manhattan Farms, Geo. E. Noeth, Owner, Brighton, N. Y.

# CHAMPION BIRD OF THE BIG RED MEET

At the Great Chicago Show, December, 1914 was won by our first prize cock. This winning in the Greatest Red Show ever held with 526 specimens competing is the highest honor ever awarded any red breeder. Our winnings at this "Big Meet" were 1, 5 cock; 1, 5 and 7 pullet; 2nd. old pen; 3, 5 cockerel; 5th young pen; 6, 7 hens. **Diamond Pin for Best Display.** Shape and color specials on male and color special on female. We are the only R. C. Red breeders having birds placed in all classes. At this great show the past four seasons we have won 5 times as many firsts as any other R. C. Red breeders. These are facts worth thinking over. Write for fine illustrated mating list.

LONGFIELD POULTRY FARM,

Box 339,

BLUFFTON, IND.

# CHAMPION BUFF WYANDOTTES

At the great Mid-West Chicago, Coliseum show, December 1914. Won five times as many first prizes as all competitors combined. Every special offered. Best shaped male, best colored male. Best shaped female, best colored female. Best Display.

**Champion Buff Wyandottes** are America's great general purpose fowl and the greatest **blue ribbon winners** in existence. Champions are wonderful egg machines. Our first pullet Madison Square Garden and Detroit 1914 laid 273 eggs in one year. Her mother laid 260 eggs and a full sister 264 eggs in one year. Those wishing to introduce new blood and to improve the exhibition and egg laying qualities of their flock, should send for our special list.

BESUDEN BROS., R. W. Sturtevant, Mgr., Box 14-W, Evanston Sta., CINCINNATI, OHIO

# BRED-TO-LAY

# MOUNT PLEASANT FARM

# S. C WHITE LECHORNS

# → 215 EGGS A YEAR ←

A flock of 31 Pullets grown from our CHICKS  
averaged 215 EGGS a year for a customer, an amateur.

# DAY OLD CHICKS

We guarantee  
safe delivery

# EGGS FOR HATCHING

We guarantee safe delivery and replace all infertile

# Send for our Free Booklet

# MOUNT PLEASANT FARM M<sup>T</sup>POCONO. PA.

# AMERICAN POULTRY WORLD

Published the First of Each Month by the  
AMERICAN POULTRY PUBLISHING  
COMPANY

158 Pearl St., BUFFALO, N. Y.

President . . . . . GRANT M. CURTIS  
Vice-President . . . . . A. O. SCHILLING  
Secretary-Treasurer . . . . . WM. C. DENNY

## SUBSCRIPTIONS

Fifty cents per year in advance. Five cents per copy. Ten cents per back number.  
FOREIGN, one dollar per year. Canada seventy-five cents. Ten cents per copy.  
Subscriptions can begin with any month.  
Write your name and post office address plainly. If your Journal does not reach you promptly each month, kindly notify us.  
When you request change of address give the old as well as the new address.

## EXPIRATIONS AND RENEWALS

The AMERICAN POULTRY WORLD is discontinued at the completion of the subscription term by order of the postal authorities. This notice will be marked with a blue X when your subscription has expired. We solicit a prompt renewal. Please do not delay.

## 45,000 COPIES PER MONTH

It is positively guaranteed that during the year ending April, 1914, the AMERICAN POULTRY WORLD will circulate an average of forty-five thousand (45,000) copies per month. All advertising contracts are based on this circulation.

## ADVERTISERS GUARANTEED

We guarantee our subscribers against loss due to fraudulent misrepresentation in any display advertisement appearing in the AMERICAN POULTRY WORLD, providing the subscriber when ordering the fowls or merchandise, states that the advertisement was seen in the AMERICAN POULTRY WORLD, and places the order during the month or months in which the advertisement appears in our columns and promptly notifies us of the fraudulent misrepresentation of the advertiser, giving full particulars.

AMERICAN POULTRY PUBLISHING COMPANY

Advertising Rates Made Known on Application

Entered at postoffice, Buffalo, N.Y., as second class mail matter

# CONTENTS, MARCH, 1915

FRONTISPIECE . . . . .	Wilburtha Farm's White Leghorns	
PROFITS VERSUS FEATHERS AND FRILLS . . . . .	Ed. L. Blum . . . . .	315
INBREEDING—THE MOUSE TRAP AND THE BEATEN PATH . . . . .	L. F. Van Orsdale . . . . .	317
THE BLUE ANDALUSIAN . . . . .	Wm. O. Jennings . . . . .	319
THE BEGINNER'S POULTRY PLANT—Part III. . . . .	E. B. Templar . . . . .	321
OVERFEEDING MORE DANGEROUS THAN UNDERFEEDING . . . . .		323
THE PITTSBURGH SHOW . . . . .	Wm. C. Denny . . . . .	325
FROM SHELL TO MATURITY . . . . .	R. M. Henderson . . . . .	327
MADISON SQUARE GARDEN SHOW . . . . .	Wm. C. Denny . . . . .	328
PREPARE NOW FOR SUCCESS NEXT YEAR . . . . .	C. T. Patterson . . . . .	331
THE VALUE OF STANDARD BRED FOWL . . . . .		333
THE INNOCENT EGG TESTER . . . . .	W. A. Wolford . . . . .	335
EDITORIALS . . . . .		336
Notes of Interest About A. P. A. Affairs. Position of American Poultry World In The Matter Of Retouched and Unretouched Photographs Of Fowls. Notable Success Of a Former Traveling Man In Standard Bred Poultry Business. Down-To-Date Samples Of Legitimate Retouching Of Photographs Of Standard Bred Fowls. Breeders Of Standard Fowl Can Afford To Pay The Higher Feed Bills. E. B. Thompson Excels All Past Efforts At The Madison Square Garden Show. Orpingtons Were a Large And Strong Class At The New York Show. Interview With M. R. Jacobus For Several Years Secretary Of The American Campine Club. S. C. White Leghorns At The Madison Square Garden Show, February 12-17, 1915.		
POULTRY WORK AT THE N. C. EXPERIMENT STATION . . . . .	B. F. Kaupp . . . . .	358
THE GUINEA FOWL . . . . .		362
THE CONNECTICUT EGG LAYING CONTEST . . . . .	W. F. Kirkpatrick . . . . .	365
HOW TO RAISE THE BIG FELLOWS . . . . .	A. M. Lockwood . . . . .	382
THE TRAPNEST QUESTION AGAIN . . . . .	F. G. Wacker . . . . .	383
NATIONAL CONTEST REPORT FOR JANUARY . . . . .	V. O. Hobbs . . . . .	386
NEW JERSEY'S POULTRY SHORT COURSE . . . . .		389
QUESTIONS AND ANSWERS . . . . .		392
CLASSIFIED ADVERTISING . . . . .		395
INDEX TO ADVERTISERS . . . . .		400

## 45,000 FOR MARCH, 1915

E. D. Corson, Secretary-Treasurer of the Corson Manufacturing Co., printers and binders, being first duly sworn, states that that company has a contract for and is printing and binding forty-five thousand (45,000) copies of the March, 1915, number of the AMERICAN POULTRY WORLD.

GEO. E. FITZSIMMONS, Notary Public.

# ROSE'S ORPINGTONS



1st Buff Cock, Chicago



1st Buff Pullet, Madison Square Garden



1st Buff Cockerel, Madison Square Garden



1st Black Cock, Madison Square Garden



1st Black Hen, Madison Square Garden



1st Black Cockerel, Boston

## BUFFS

## CHAMPIONS OF AMERICA

## BLACKS

My World's Champion Buffa won the championship of the West at the Chicago Coliseum Show, December 1913, and the championship of the East at the Imperial Madison Square Garden Show, December 1913, in competition with nearly every prominent breeder in America as well as the best from England. At these two most Magnificent Shows I won more first prizes than all my competitors combined.

No breeder in the World has ever made the record with Black Orpingtons that I have; this record is not made at one show alone, but is made by a series of the greatest triumphs at the greatest Shows in the Country, under twelve different judges. In the past three years I have won the Championship for best display in Black Orpingtons at the following shows: Madison Square Garden, New York; Baltimore, Boston, Pittsburgh, (National Black Orpington Club Show) New York State Fair, Allentown, Hagerstown and Toronto.

## BRED IN THE VIGOROUS CANADIAN CLIMATE

They are hardy, rapid growers and splendid winterlayers, characteristics you need to make your Orpingtons suit you to a "T". I can furnish a number of high class breeding males, also pairs, trios and breeding pens that will be carefully mated to produce the best results at "live and let live" prices. Send your wants and let me furnish description and quote prices.

## EGGS

## EGGS

## EGGS

## EGGS

Eggs from the grandest collection of matings that I have ever owned. Every pen headed by a prize winner or a near relation. Better values do not exist anywhere. Send for Handsome New Catalog and Mating List, containing full page color plate showing my first prize buff orpington cockerel at Madison Square Garden, December 1913 in natural colors. Is free for the asking.

HUGH A. ROSE,

Frank Conway, Mgr.

Box A,

FONTHILL, ONT., CANADA

# You Can Increase Your Profits



**BROODER HATCHER**

Newington Jct., Conn., December, 1914.

Cycle Hatcher Co.,

Elmira, N. Y.

Have used one of your Brooder Hatchers five years and have had fine results. Expect to use four more this spring.

Yours,

Chas. L. Wells.

## **Cycle Hatcher Wins in "Poultry Item" Contest.**

Sellersville, Penna., June 16, 1913.

Cycle Hatcher Co., Elmira, N. Y.

Gentlemen:—It might be of interest for you to learn that this season the Poultry Item conducted quite an extensive Incubator contest, offering premiums for the best hatches for Incubators bought from Poultry Item advertisers. This contest closed June 15th and a full report of the same will be in the July issue.

We are pleased to notify you that the Cycle Hatcher is the winner of this contest making the remarkable record of 100 per cent. and the only machine in the contest that made so large a percentage.

The Item Pub. Company.

## And Get Better Hatches and Stronger Chickens By Using The "CYCLE" And BROODER HATCHERS

They Were Used Exclusively At One Poultry Farm Where \$14,550.00 Worth Of Baby Chickens Were Hatched and Sold in Four Months

They are especially well adapted to use in the house where other machines have failed. The farmer, the city and suburban poultry keeper can increase their profits and get more and stronger chickens by using them. LARGE HATCHERIES have learned of their value and are using the "CYCLES" in place of the mammoth incubators. We are not only manufacturers of incubators, but use our machines for hatching chickens by the thousand and make large profits by using them. Our machines are made to follow the NATURAL LAWS of incubation. They retain the natural moisture of the eggs and will produce excellent hatches where a few eggs are set every day in the same nest. A trial will convince you that the methods employed for incubating eggs in the Cycle and Brooder Hatchers are superior to all others.

## Single Comb White Orpingtons

We have more than 100 breeding pens of Single Comb White Orpingtons and can furnish mature fowls, baby chickens and eggs for hatching. We have both PHILO SYSTEM and farm raised and can supply you stock or eggs that will produce large, healthy, quick maturing and the best winter layers.

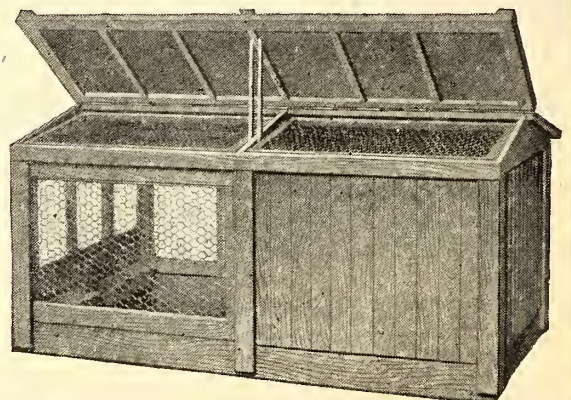
## Florida Poultry Farms

We can supply people living in the South with the Cycle and Brooder Hatchers direct from our Florida Farms and can also make shipments of Leghorn eggs for hatching and baby chickens.

## If YOU Have Never Used An ADJUSTABLE COOP

You would be surprised to see how much better your hens will lay in them and for pedigree breeding they are unequalled. Then too they furnish ideal conditions for the production of fertile eggs that will hatch strong chickens and make prize winners. Price \$12.00. To show you the quality we will ship you one sample coop for \$10.00. Our new 6x12 UTILITY COOP for 25 hens is a wonder. It's less expensive and furnishes better conditions than are had in other large coops. Price \$25.00.

**CYCLE HATCHER CO.**  
29 Lake Street, :: ELMIRA, N. Y.



ADJUSTABLE COOP OPEN



## SIX PEDIGREE WHITE ORPINGTON CHICKS FREE

With every \$5.00 order for Brooder, Books and Magazines we will give you six baby chickens for a premium. Why raise common poultry when we will start you right and give you six Pedigree White Orpington Chicks and furnish you full information about the best way to get the largest profits from poultry. For only \$5.00 we will ship you one small BROODER, two GALVANIZED TROUGHS, enough FEED to start the chickens growing, the PHILO SYSTEM BOOK, TWELVE COPIES of the POULTRY REVIEW and copies of OTHER publications. In addition to the above, we will include absolutely free of charge SIX PEDIGREE BABY CHICKENS from our best pens WHITE ORPINGTONS.

CYCLE HATCHER CO., 28 Lake St., ELMIRA, N. Y.

# A LIVING FROM POULTRY

**\$1,500 From 60 Hens in Ten Months on a City Lot 40 Feet Square.**

The Philo System is unlike all other ways of keeping poultry, and in many respects is just the reverse, accomplishing things in poultry work that have always been considered impossible, and getting unheard-of results that are hard to believe without seeing.

The new System covers all branches of the work necessary for success from selecting the breeders to marketing the product. It tells how to get eggs that will hatch, how to hatch nearly every egg, and how to raise nearly all the chicks hatched. It gives complete plans in detail how to make everything necessary to run the business, and at less than half the cost required to handle the poultry business in any other manner.

Two-Pound Broilers in Eight Weeks are raised in a space of less than a foot to the broiler, and the broilers are the very best quality, bringing here three cents a pound above the highest market price.

Our Six-Months-Old Pullets are laying at the rate of twenty-four eggs each per month in a space of two square feet for each bird. No green cut home of any description is fed, and the food used is inexpensive as compared with the food others are using.

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

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

Our New Brooder Saves Two Cents on Each Chickens. No lamp required. No danger of chilling, overheating, or burning up the chicken as with brooders using lamps or any kind of fire. They also keep all the lice off the chickens automatically, or kill any that may be on them when placed in the brooder. Our book gives full plans, and the right to make and use them. One can easily be made in an hour at a cost of twenty-five to fifty cents.

Our book, "The Philo System of Progressive Poultry Keeping", gives full particulars regarding these wonderful discoveries with simple, easy-to-understand directions that are right to the point. Instructions are given for building the colony coops, and other appliances of the system. For some of these we have U. S. Letters Patent, and patents are pending for others, but purchasers of the book are given the right to make and use these appliances. This system is especially adapted to the beginner, requiring a very small initial outlay, and admitting of increase as rapidly as the poultry keeper learns the work. It is the small unit plan that expands as readily as the "sectional hookcase". Each season since 1907, thousands of Philo System poultry plants have been established, and are wonderfully successful. Whether you intend to make poultry keeping a business, a recreation, or to provide an addition to the present income, this system will solve your problems. In less than six years, eighteen editions have been printed, nearly half a million copies.

This system will be demonstrated to you, or to anyone, at the Elmira plant of the Philo National Poultry Institute, where over 5,000 chickens are raised on less than a half acre of land.

Price of the latest edition, Philo System Book, \$1.00.

## THE POULTRY REVIEW

Monthly. A progressive poultry magazine, edited by E. R. Philo, with able assistants. Devoted to the most practical and economical methods of keeping poultry for profit, especially in small flocks or units on city or town lots. The Poultry Review is printed on a poultry farm where the editors have every opportunity to keep in close touch with actual poultry work under all conditions. It is edited for the practical poultryman; no theoretical articles are published, but many theories are carefully tried out in our own yards, and results published in The Review.

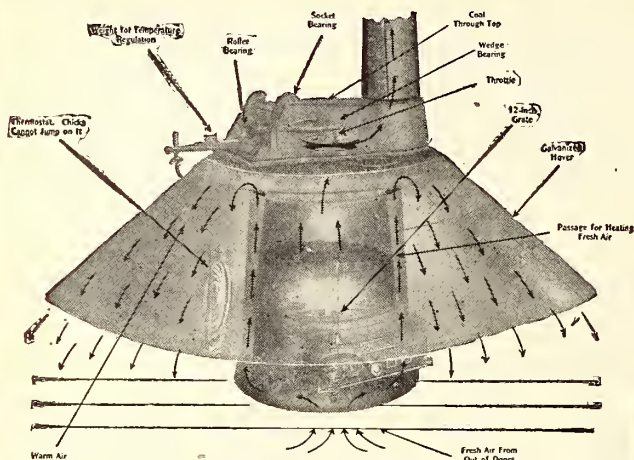
Price of Poultry Review, \$1.00 per year.

## OUR SPECIAL OFFER

Send your order at once and we will send a copy of the latest edition of the Philo System Book and Poultry Review one year, both for \$1.00.

E. R. PHILO, Publisher, 1704 Lake St., ELMIRA, N. Y.

# The Paramount Colony Brooder ---



## You See WHY "It's in the Air"

The "phantom view" tells the story! You see plainly now why the Paramount leads all other brooders. Note the air currents shown by the arrows. See how **this** brooder, with its new and different system of scientific heat radiation, takes the cold, fresh air from a hole in the floor, draws it up through the heater base, and heats it in a passage-way formed by the air jacket and fire pot. This heated air is discharged into the hover near the top and diffused in uniform quantity and temperature to the backs of the chicks.

## The Wonderful New FRESH AIR Machine --- Breaks All Records at the Shows.

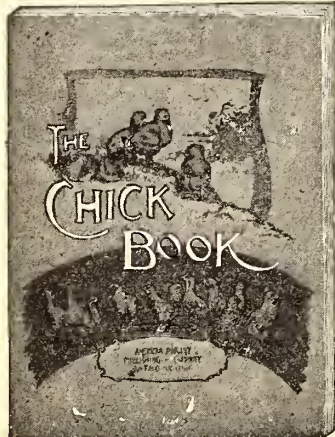
**T**HOUSANDS of eager chicken raisers, looking for the newest and best ideas at the poultry shows in Chicago, Philadelphia and Boston, were convinced that the Paramount Fresh Air Colony Brooder is the perfect solution of the brooder problem.

Expert judges, who speak both from the standpoint of scientific principles and practical poultry experience, say that the "Paramount" answers every possible objection to brooder construction in the past, and is unquestionably the brooder that will sweep the country from coast to coast when its merits become thoroughly known.

## Investigate the "Paramount" Fresh Air Brooder

The safe, sure brooder that **insures** perfect results! No danger to chicks from poisonous gas or oil fumes. Extra large 12-inch grate makes it easy to carry a low fire without danger of going out. Chicken raisers—it isn't enough to **hatch** your eggs—the **big** thing—the thing that really **counts**—is to save all your chicks. And you can do it with the "Paramount" Fresh Air Brooder. Investigate! Send for full details—today—right now. Address

North-Eastern Mfg. Co., P.O. Box 63-A, Albany, New York



80 PAGES, 9x12 INCHES

## YOU CANNOT AFFORD TO TRUST TO LUCK!

Success in poultry raising depends upon your knowledge of the business. Not in any one department but a general understanding of care and management from the egg to the mature bird. Start right by hatching and raising your chicks properly.

## The CHICK BOOK

Tells you how. It is a book of thorough and reliable instruction on rearing chicks, both by natural and artificial means. The experience of successful poultry raisers is given, and trustworthy information and advice are furnished on all problems connected with the rearing, developing and fattening of chickens

### NOTE SOME OF THE CONTENTS OF LATEST EDITION

**Breeding:** Constitutional Vigor—Line Breeding. Felch Line Breeding Chart. Selection of Breeders and Layers. Importance of Strong Germed Eggs.

**Incubation.** Artificial and Natural Incubation. Environment for Incubators. Ventilation and Moisture in Incubators. How to Set a Hen.

**Brooding.** Rearing Chicks Naturally and Artificially. Raising Chicks in Brooders.

**Care and Food.** Feeding and Care of Young Chicks. Formulas for Feeding. Hopper Feeding.

**Summer and Winter Care.** June Hatched Chicks. Mid-Summer and Fall Work. Profitable Late Hatches. Care of Valuable Chicks in Bad Weather. How to Get Rid of Poultry Pests.

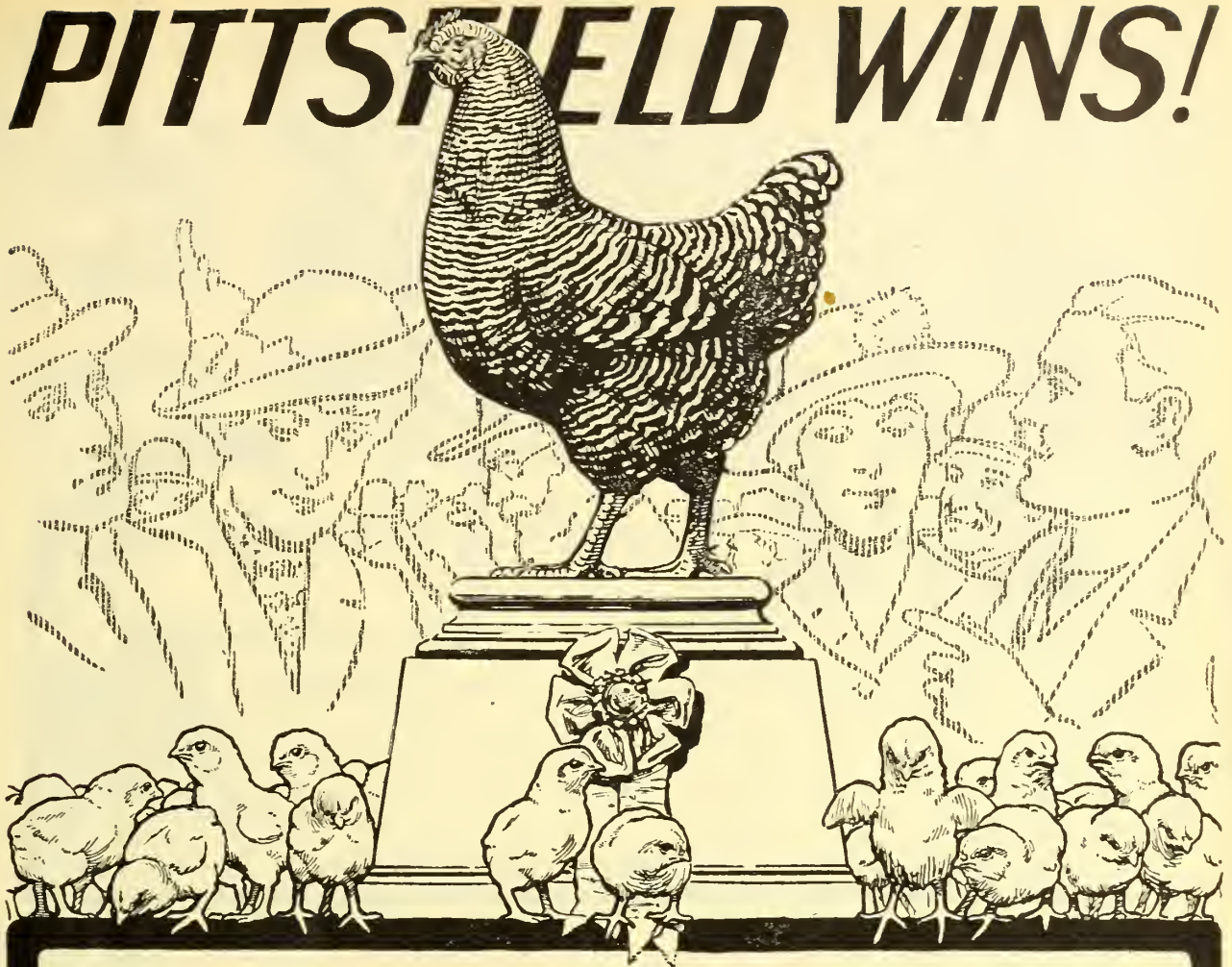
**Marketing.** The Day-Old Chick Business. Killing and Dressing Poultry. Directions for Making Shipping Coops, and Many Other Useful Points Fully Covered.

**PRICE 50 CENTS POSTPAID.** Or 75c, including one year's subscription to AMERICAN POULTRY WORLD, or will be sent free for two subscriptions at 50c each. Address,

**American Poultry Publishing Co., 158 Pearl Street, Buffalo, N. Y.**



# PITTSFIELD WINS!



Breed surely counts—here are the prizes Pittsfield pulled off at the great Boston Poultry Show.

### White Rocks

Grand Prize for best display.  
 First Cockerel in class of sixty.  
 Second and Fourth Cockerel.  
 Third and Fourth Hen.  
 Second, Fourth and Fifth Pullets.  
 Fourth Pen.  
 Special for best three Cockerels and three Pullets.  
 Special for best Cockerel.

### Barred Rocks

First Exhibition Pen.  
 First Cockerel-Bred Pen.  
 Second Pullet-Bred Pen.  
 Second best display.  
 Eight other and Special Prizes.

Eggs from these prize winners: 15 for \$5.00; 50 for \$15.00; 100 for \$25.00.

**There Won't Be Any Raise In Prices  
 On Orders Received This Month**

**NO MONEY DOWN**

Anybody who is going to buy chicks this year ought to remember that Pittsfield stock is **pure bred**, but you only pay **ordinary chick prices**. Why not, then, put your money in Pittsfield pure-bred stock that will make money for you?

We couldn't make these prices if we did not hatch in such enormous quantities—our capacity is **one million chicks a year**.

Ask anybody in the country who knows anything at all about poultry and they will tell you that Pittsfield stock is famous for big egg production, early maturing and stamina—money-making birds. Four different breeds, each separately raised, all pure bred.

## PITTSFIELD

Barred Rock    White Rock    S. C. W. Leghorn    R. I. Red

## DAY-OLD CHICKS

There are three things that Pittsfield stock is noted for—stamina, early maturing and heavy egg production. We guarantee safe delivery of all shipments and complete satisfaction, or money back.

Send us your reserve order **now**. Say which kind of chicks you want, how many and when. You needn't send any money, we'll notify you when we can ship. Now, look at these prices for pure-bred stock: 100 chicks, \$18.00; 50 chicks, \$10.00; 25 chicks, \$5.00. With every shipment we send a folder which tells you everything you ought to know about the raising of chicks from babyhood to maturity.

**Exhibition Birds and Eggs** Tell us what you need in this line. We will make you a price that will surely show you a profit. Write now.

**Eight-Weeks-Old Chicks** Our prices are reasonable and we have plans enabling you to select pullets and cockerels as desired. Write now.

**Four-Weeks-Old Chicks** Just the thing for the beginner or the poultryman who wants to avoid buying brooder equipment. Write for prices.

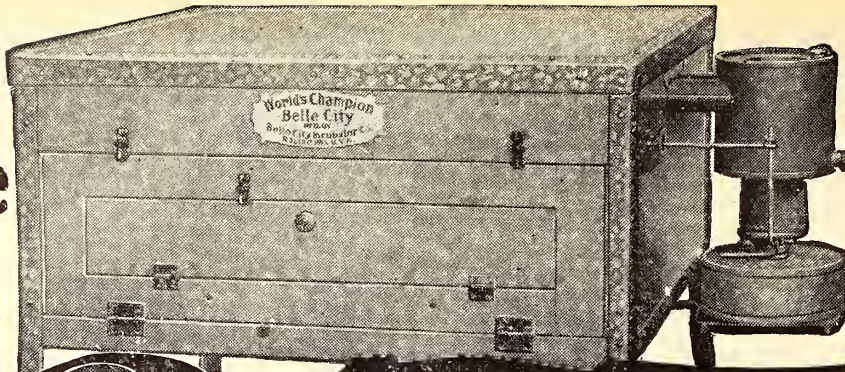
Write for free book, "Money Making Poultry"



**PITTSFIELD POULTRY FARMS CO., 276 Main Street, Skowhegan, Me.**

Here  
It Is

Belle  
City  
Incubator



Jim Rohan, Pres.

I ship quick from Kansas City, Minneapolis, Buffalo or Racine.

**21 TIMES**  
World's Champion

Belle City Hatching Outfits entered by owners last year in competition with all other machines took 13 prizes out of 28 awards. These added to the 8 World's Championships which the Belle City already had, make it the 21 Times World's Champion Belle City. Full account of 21 prize winning world's championship hatches given in my new free book "Hatching Facts." Send for it

Get the whole wonderful story. Also stories of multitudes of men and women scoring high percentage and perfect hatches with the Belle City. 327,000 are now in use.

The book tells how Belle City Hatching Outfits are made—shows machines in actual colors—photographs, of prize winning hatches—gives my ten-year money-back guarantee—my low price and one-, two-, three-months' Home Test—Freight prepaid—full particulars of

My \$800.00  
Cash Gold Offers

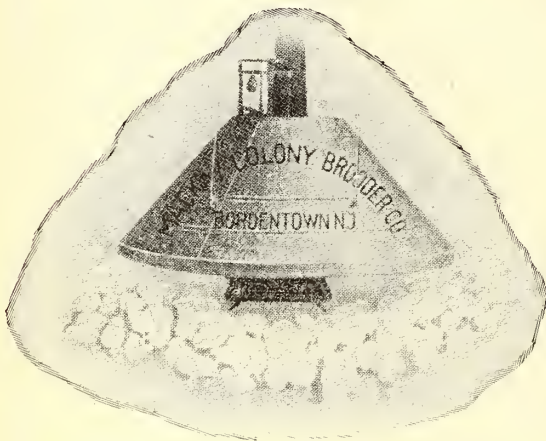
Greatest chance you ever had to make money with a hatching outfit. You don't have to have any experience whatever. Don't let any one get the start of you. Free Book tells you everything you want to know. Jim Rohan, Pres.



Write for this Big "Hatching Facts" Book today—get all facts, proof and information.

Belle City Incubator Co., Box 117, Racine, Wis.

**We Lead—Others Follow.**



A year ago the **MACKAY COLONY BROODER** was the first and only coal burning self-regulating colony brooder on the market.

Today—there are many such brooders manufactured. Why? Because a good thing is always imitated.

Are you looking for success? Then don't purchase a brooder that is "just as good."

There is only one "MACKAY." Buy the original. You get a brooder that has

perfect heat control—accessibility—reliability—and above all the "MACKAY" Quality.

Old and tried—Used by the largest and most successful Poultry Farms in the United States and Canada.

Don't wait—Order to day by mail or telegraph at our expense. We can make immediate shipment.

**MacKay Colony Brooder Co.**

**Bordentown, N. J.**



# Why Old Trusty Makes Best Average Hatches



## and How Clay Center Became the Hub of the Incubator Industry



H. H. Johnson

**Y**OU will find the answer given by Old Trusty itself. It was M. M. Johnson's idea to build an incubator that would make big hatches with *least expense and least trouble* at any time of the year, even in coldest weather. Being an engineer and formerly a poultry raiser, he must have had just the right combination, for his idea worked out in Old Trusty accounts for 580,000 users today. The first Old Trustys were made by hand by M. M. Johnson in the boiler room of the old grist mill. Today they are made in this huge factory you see pictured below. It's the largest exclusive incubator factory in the country—a factory where careful management and great volume save you several dollars against what any other would have to ask.



**M. M. Johnson In His First  
Incubator Shop—  
Note What It Has Grown To**



Mrs. M. M. Johnson

## Old Trusty is the Big Profit Maker With Winter and Spring Hatches — Still Less Than \$10 — Freight Paid East of Rockies—a Little Extra Beyond

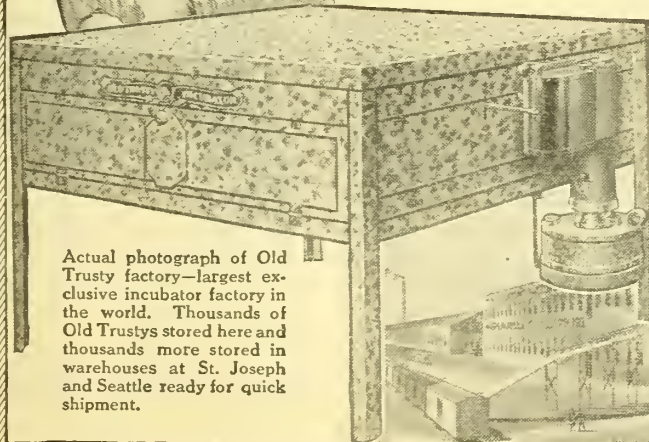
Its big difference in construction makes the big difference in the profits that it brings you. Most any incubator can hatch chicks during warm weather, but it takes a thoroughly high grade, hot water heated machine to make big hatches in cold weather. And you want the cold weather hatches to get the big profits on fall laying pullets and early fliers. That accounts for the well planned hot water heating system in Old Trusty that gets heat evenly distributed over the eggs. And for the California redwood case covered with asbestos and covered again with galvanized steel. You can see why Old Trusty makes the best averages. And when you consider that top notch construction can be had at a remarkably low price, you can see why the Johnson factory in Clay Center receives three or four times as many orders as go to any other incubator factory.

### Write for Old Trusty Book and Prices Based on 100,000 Sales This Year

When the great majority choose Old Trusty for big hatches and profits, it's sufficient proof to show you the best incubator. Let me tell you our low price for 1915 for an Old Trusty delivered, freight prepaid, to your station—from the largest exclusive incubator factory in the world. Now is the best time of the year to get started. Have good big poultry profits coming in fine, healthy chicks when spring sets in. You can do it with Old Trusty.

Let us hear from you and I'll tell you how easily it's done. **H. H. JOHNSON.**

**M. M. Johnson Incubator  
Co. Clay Center, Nebraska**



Actual photograph of Old Trusty factory—largest exclusive incubator factory in the world. Thousands of Old Trustys stored here and thousands more stored in warehouses at St. Joseph and Seattle ready for quick shipment.



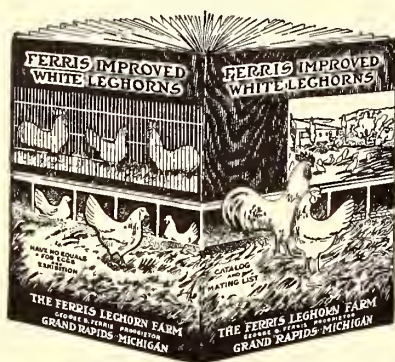
Office Building



# Prices Cut 25 Per Cent!

## FERRIS LEGHORN EGGS and CHICKS CHEAP AS COMMON STOCK

FERRIS WHITE LEGHORNS are worth twice as much as ordinary stock, yet this year the price is no more. We have doubled the capacity of our plant. We



can produce eggs and chicks much cheaper. Read this price list and place your order now to insure prompt delivery--Our incubator capacity is 30,000 eggs -- a thousand chicks a day -- but we may not have enough to fill all orders. . . .

	25 Chicks	50 Chicks	100 Chicks	500 Chicks	1000 Chicks
March	\$6.50	\$12.50	\$24.00	\$108.00	\$216.00
April	5.50	10.50	20.00	90.00	180.00
May	4.50	8.50	16.00	76.00	144.00
June	3.50	6.50	12.00	57.00	108.00

*Safe Arrival Guaranteed Anywhere East of the Rockies.*

Egg orders shipped safely to any part of the country. The finest lot of breeding stock we ever had in our pens--Orders booked now for delivery any day you select. Eggs strongly fertile; those that do not hatch replaced at market prices.

	15 Eggs	30 Eggs	50 Eggs	100 Eggs	500 Eggs	1000 Eggs
March	\$1.85	\$3.20	\$5.00	\$9.00	\$45.00	\$85.00
April	1.60	2.75	4.25	7.50	37.50	70.00
May	1.40	2.30	3.50	6.00	30.00	57.00
June	1.25	2.00	3.00	5.00	25.00	47.50

Ferris Leghorns are noted for their laying qualities; they are also bred to win. They are pure white, up to standard weight, have good heads, long backs, low, well spread tails, splendid Leghorn shape in all sections. See catalog for list of winnings at 15 leading shows--Eggs from choice exhibition matings \$10.00 per setting.

### BREEDING STOCK

Pullets and yearling hens at \$2.50, \$3.50 and \$5.00; cocks and cockerels at \$5.00, \$7.00 and \$10.00. Hundreds to select from; sold on approval--your money back if not satisfied. Write and let us send full particulars.

### FREE CATALOGUE TELLS ALL

Before you buy eggs, chicks or stock, read this catalog. You will save money--and get better stock than you ever bought before--It describes stock, farm; methods that have developed laying and exhibition qualities; list of winnings, testimonials--the whole story. A postal brings it--

# GEORGE B. FERRIS

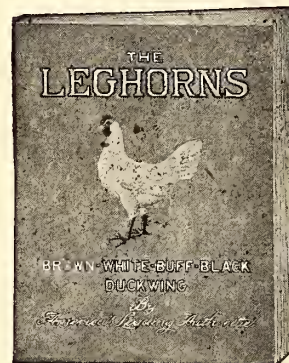
*The Ferris Leghorn Farm*

908 North Union, Grand Rapids, Mich.

# THE LEGHORNS

Standard and Non-Standard Varieties

Most Complete Text Book on the Popular Leghorn ever Published



THIS NEW AND GREATLY ENLARGED EDITION, thoroughly revised and brought down to date, consists of 144 large pages and cover. It tells how to select and mate birds for the breeding pen; how to judge Leghorns in the show room; and how to feed for heavy egg yield and fast growth. Some of the great commercial Leghorn egg farms described and illustrated.

Edited by

J. H. DREVENSTEDT,

Breeder and Judge of twenty-five years' experience and member of Standard Revision Committee of 1898, 1905 and 1910.

This new book contains chapters on the following subjects:

"The Leghorn Fowl"--History of origin and development of Leghorn shape, Standard shape, etc. "Leghorn Type"--Evolution of shape, etc. "Brown Leghorns"--Color breeding, virtues and faults, progress, present Standard, etc. "White Leghorns"--All about them. "Buff Leghorns." "Black Leghorns." "Leghorns in England." "Judging Leghorns." "Commercial Leghorn Farms."--Feeding for best results.

Two Color Plates by F. L. Sewell

These picture ideal White Leghorns and the true colors of Brown Leghorn feathers--invaluable to Leghorn breeders.

Price \$1 postpaid or \$1.25 including yearly subscription to AMERICAN POULTRY WORLD. Mailed FREE for four yearly subscriptions to A. P. W. at 50 cents each.

American Poultry World,  
158 Pearl Street, BUFFALO, N. Y.



**GILBERT HESS**

Doctor of  
Veterinary Science

Doctor of  
Medicine

## Why 50 out of every 100 chicks die— I can save most of this loss for you

What are you doing now to condition your poultry for the production of fertile eggs? Nothing—at least, a lot of people *don't* do anything, and then they wonder why the baby chicks keep dropping off one by one until more than half the hatch die. Then they say the poultry business doesn't pay. Start in right now to tone up and con-

dition your hens according to "the Hess idea" and I guarantee you'll make the poultry business a *real* business. And when the baby chicks are hatched remember that half the yearly hatch die through leg weakness, diarrhoea, gapes and indigestion; but remember, also, that most of this great loss can be surely saved by the use of

# Dr. Hess Poultry PAN-A-CE-A

Not a Stimulant, but a Tonic

Costs 1c a day for 30 fowl

I have compounded this scientific preparation from the knowledge I have gained as a lifetime veterinarian and doctor of medicine. I discovered that the use of a certain nerve tonic and appetizer would overcome leg weakness; that a certain internal antiseptic could be taken up into the blood and would prevent and remedy gapes by causing the worms in the windpipe (the cause of gapes) to let go their hold and help the chick throw them off. By combining these ingredients with certain bitter tonics and laxatives I found that the little chicks' digestion could be considerably invigorated.

### A Preparation of 22 years' standing

My Pan-a-ce-a will put your fowl in splendid condition for the production of fertile eggs; it will help your chicks grow rapidly—put them squarely on their feet—help them feather quickly and keep them in perfect health. All the many years that Dr. Hess Pan-a-ce-a has been on the market it has never been sold on claims or say so, but absolutely on the results it must bring each buyer. I urge you to put my Pan-a-ce-a to the test under the broadest and most unqualified merchandizing guarantee you have ever read. Here it is:

- ☛ So sure am I that Dr. Hess Poultry Pan-a-ce-a will make your poultry healthy, make hens lay, help chicks grow and shorten the moulting period, that I have authorized my dealer in your town to supply you with enough for your whole flock
- ☛ and if it doesn't do as I claim, return the empty packages and get your money back.

My Pan-a-ce-a is sold only by reputable dealers whom you know. It is never peddled. 1½ lbs. 25c; 5 lbs. 60c; 25-lb. pail \$2.50 (except in Canada and the far West).

Send for my free book that tells all about Dr. Hess Poultry Pan-a-ce-a.

### DR. HESS STOCK TONIC

Your stock need this tonic now to harden and condition them after the confined heavy feeding of winter. There's nothing better to put horses in trim for hard spring and summer work. Milch cows need it badly just now to prepare them for the heavy milking season ahead. Dr. Hess Stock Tonic makes all stock healthy—keeps them toned up and expels worms. Sold under money-back guarantee. 25-lb. pail \$1.60; 100-lb. sack \$5; smaller packages as low as 50c (except in Canada, the far West and the South). Send 2c for my new free Stock Tonic book.

### DR. HESS INSTANT LOUSE KILLER

Kills lice on poultry and all farm stock. Dust the hens and chicks with it, sprinkle it on the roosts, in the cracks or if kept in the dust bath the hens will distribute it. Also destroys bugs on cucumber squash and melon vines, cabbage worms, etc., slugs on rose bushes, etc. Comes in handy sifting-top cans. 1 lb. 25c; 3 lbs. 60c (except in Canada and the far West). I guarantee it.

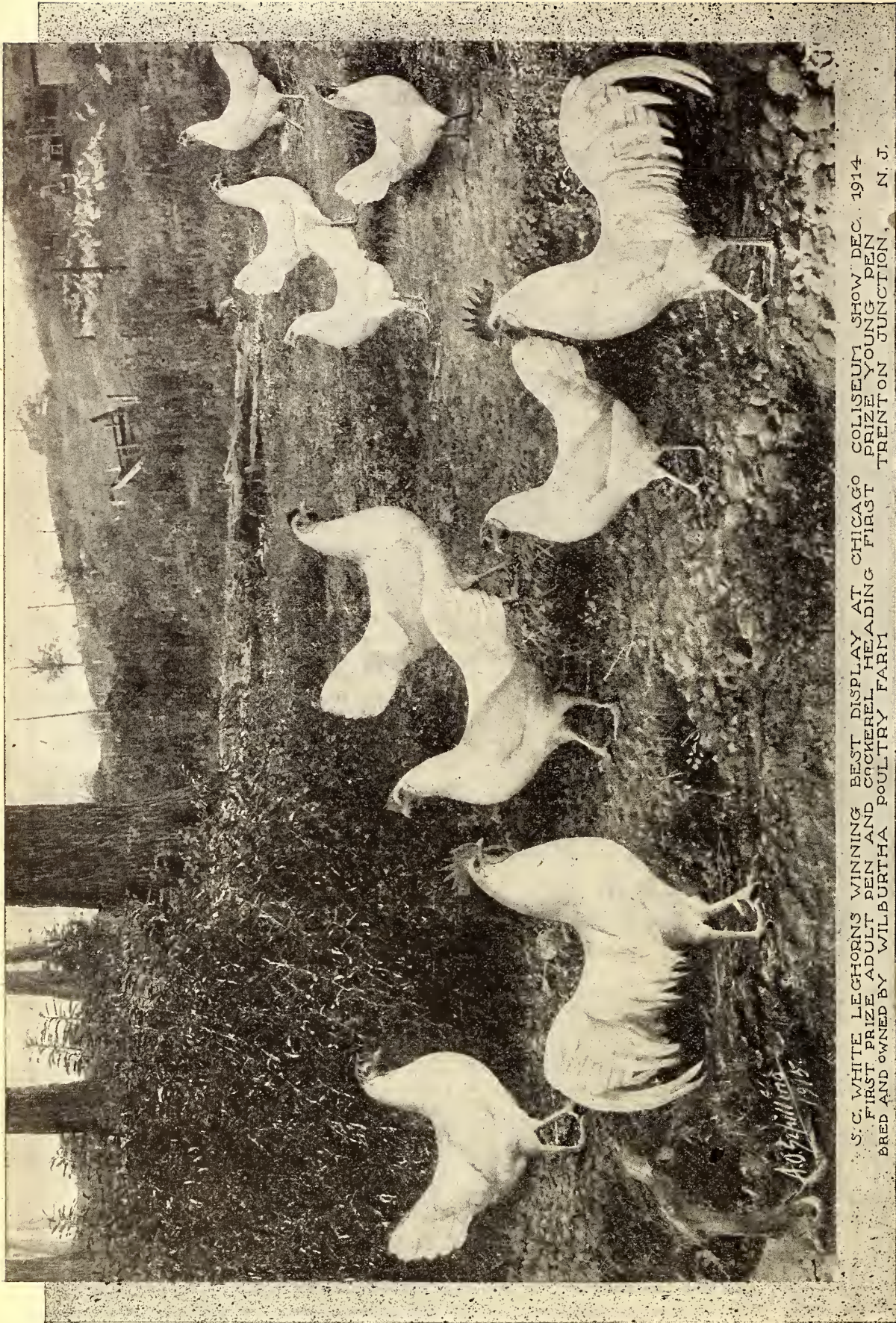
Free Prescription by Dr. Hess

Name \_\_\_\_\_

Address \_\_\_\_\_

If any of your poultry or animals are sick, send full details in a letter and Dr. Hess (M. D., D. V. S.) will prescribe for them free of charge. Send 2c stamp for reply.

**DR. HESS & CLARK, Ashland, Ohio**



S. C. WHITE LEGHORNS WINNING BEST DISPLAY AT CHICAGO COLISEUM SHOW DEC. 1914  
 FIRST PRIZE ADULT PEN AND COCKEREL HEADING FIRST PRIZE YOUNG PEN  
 BRED AND OWNED BY WILBURTHA POULTRY FARM TRENTON JUNCTION, N. J.

Wilburtha Farms, Trenton Jet., N. J., were big winners in the S. C. White Leghorn, Columbian Rock and Columbian Wyandotte classes at the recent Chicago Coliseum Show. Their exhibit of S. C. White Leghorns was pronounced the finest collection seen at this show in some time and attracted much favorable comment and admiration. The first prize cock was the gem of the classes and was a marvel to look at, with his wealth of saddle and tail plumage, perfect concave back and a beautiful head. The two pens winning in both old and young classes were also especially attractive and were made up of rare individuals shown in the pink of condition. George Kerr, Superintendent of Wilburtha Farms, is a thorough poultryman in every sense of the word and is producing hundreds of good Leghorns for his customers. The above group represent the cock and cockerel heading first prize old and young pen while the four females are the hens winning in the old pen class.—A. O. Schilling.

## PROFITS VERSUS FEATHERS AND FRILLS

NOT NECESSARILY TRUE THAT THE MOST BEAUTIFUL HEN IS THE LEAST PROFITABLE NOR THE MOST PROFITABLE HEN THE LEAST BEAUTIFUL. BEAUTY AND UTILITY CAN BE COMBINED WITHOUT INJURY TO EITHER QUALITY. THE EXPERIENCE OF ONE BREEDER IN BUILDING UP A PROFITABLE BUSINESS. THE EXTENT WHICH BEAUTY AND UTILITY IS TO BE COMBINED SHOULD BE GOVERNED BY A PARTICULAR OBJECT FOR WHICH ONE IS BREEDING

BY EDWARD L. BLUM, Proprietor, Propo Farms, Loreley, Md.



THING of beauty is a joy forever", but profit has an equal attraction for the farmer and poultryman who cannot afford to be in the business of "art for art's sake". It is not necessarily true that the most profitable hen is the least beautiful, nor can we say conscientiously that the most beautiful hen is the least profitable. But can we not combine beauty and utility without injury to either quality? Of these two qualities

which is of the most value to the farmer, the poultryman and the public? We are all practical enough to admit that beauty without utility is decidedly a bad bid.

Down here at Loreley, Md., we have had a rather unique experience which I think will be of interest and value to the readers of AMERICAN POULTRY WORLD. At present we have what we and others consider an A No. 1 poultry farm. But thereby hangs a tale.

### A BREEDER'S EXPERIENCE

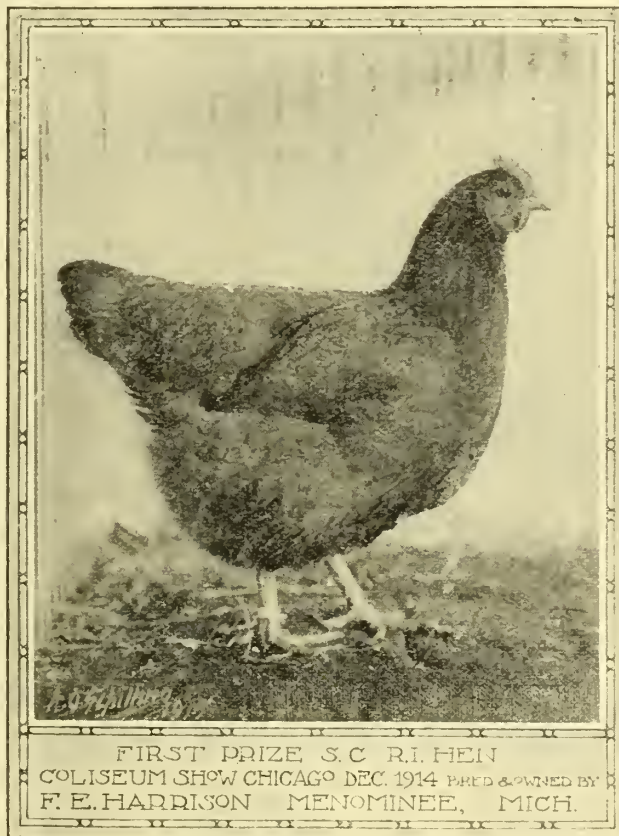
About five years ago, after a lot of hard, unsatisfactory experience we were obliged to come to the conclusion that we either must change our methods or go out of the poultry business. We had to take an inventory of either our working processes or our assets. We chose the former. We carefully went over all our breeding operations and found that we had made quite a success in regard to the production of standard qualifications. After much figuring and consultation we found that both our housing and feeding methods were of the best. Incubators and brooders were the most modern to be had at that time and all other physical conditions were favorable for success. But our egg records—well that was another story. Of the eggs we had been getting only sixty per cent. were large enough to grade as firsts on the New York market. We looked up our winter egg shipments and found them few and far between. Our mortality in both old and

young stock was greater than it should have been. The fertility and hatchability of our eggs were not pleasant recollections. Something was surely wrong.

### VIGOR AND VITALITY NECESSARY

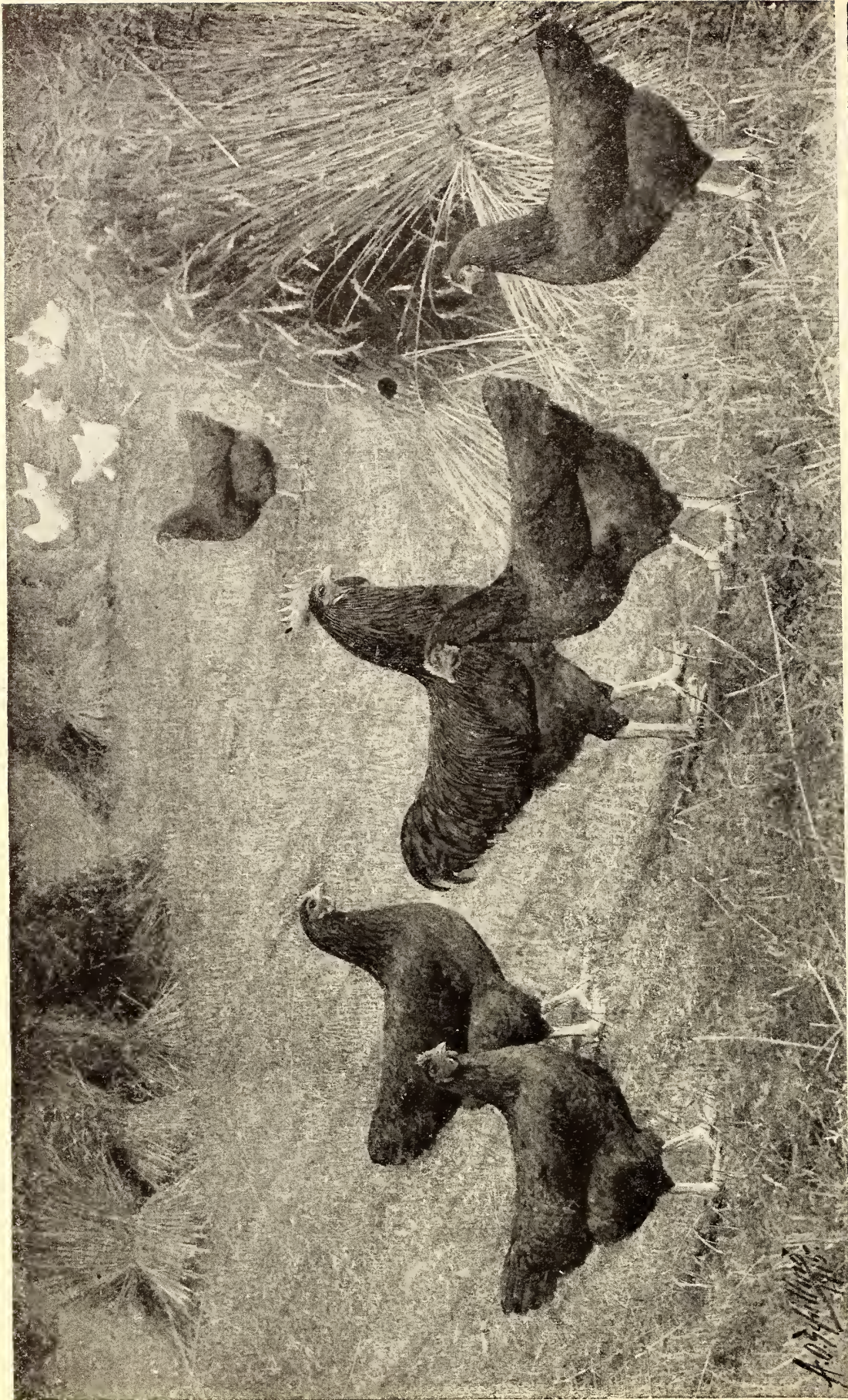
We went out to our laying houses and our breeding flocks and we, as well as others, were charmed with what we saw—several thousand beautiful fowl with smooth feathers, five-point combs, sweeping backs and low tails,—grace personified! However, upon closer scrutiny we were reminded of the old, hackneyed maxim which says that "beauty is only skin deep". We imagined comb, feathers, etc., removed—and there was the root of our trouble. We saw that our birds were not of the proper size and found that they did not possess the necessary vigor and ability for high egg production. There and then breeding operations were started on different lines. We immediately began trap-nesting and culling and thus established the nucleus of our first good breeding flock according to the new ideal. "Utility" was our slogan. From the most successful utility breeders we obtained the best possible stock, and these foreign birds were carefully tested and mated with our own flock. The immediate result was higher fertility and hatchability in the eggs and liveability of the chicks.

From the pullets raised that season we selected the quickest growers and the earliest layers, and those that proved their inherent tendency to mature early and lay well were marked for our breeding flocks. After the first winter things began to hum—profits were already beginning to show up well. For a bird to enter our breeding flock the following year, her qualifications in regard to vigor, size and laying capacity had to be up to our fixed standard. Each year we raised our stand-



It is gratifying to note the specimens of rare quality being shown in R. I. Red classes this season. At Chicago an excellent collection was exhibited by breeders from various sections of the country. The winners were, every one of them, grand shaped individuals possessing color of rare quality. F. E. Harrison won four out of six first prizes in the single comb classes in unusually strong competition, which is simply a repetition of the grand records made by Harrison's "Royal Red" Strain in past years at this great show. The above illustration is an absolutely faithful picture of the first prize hen and the reader will notice that she was a massive solid bodied specimen carrying a well formed body on horizontal lines. Her color was superb, being very even in all sections and also rich and brilliant down to the skin.—A. O. Schilling.

(Continued on page 353)



FIRST PRIZE YOUNG PEN J. C. REDS AT BOSTON SHOW JANUARY 1915  
 BRED AND OWNED BY OWEN FARMS VINEYARD HAVEN, MASS.

After a big victory in a wonderful class of Rhode Island Reds at Chicago Coliseum Show, in December, Owen Farms a month later won the lions share of the honors at Boston. In 5. C. Reds their winning were, 4th cock, 1st hen, 1st and 4th cockerel, and 1st young pen which is indeed a very creditable showing considering the quality to be found at a show like Boston. The above picture represents their first prize young pen, which contained four wonderfully colored pullets. They were rich in surface and under color while their type was the equal of the best of their kind. Owen Farms have been very successful in winning and supplying their patrons with winners in the various varieties they breed which include White Rock, White Wyandottes, White and Buff Orpingtons, S. C. White Leghorns and Rose and Single Comb R. I. Reds.—A. O. Schilling

# INBREEDING---THE MOUSE TRAP AND A BEATEN PATH

INBREEDING THE BASIC FACTOR WHICH MAKES FOR SUCCESS IN PRACTICAL BREEDING. FEW BREEDERS HAVE A THOROUGH UNDERSTANDING OF THE SUBJECT, AND UNINFORMED WRITERS ARE INCLINED TO GIVE MISLEADING INFORMATION. ONLY INDIVIDUALS OF HIGH CONSTITUTIONAL VIGOR SHOULD BE USED IN INBREEDING. THE MATING OF BIRDS CONSTITUTIONALLY WEAK LEADS TO DEGENERATION. SOME DEGREE OF INBREEDING ESSENTIAL TO ATTAIN HIGHEST DEVELOPMENT

Author's note: In my article in the December issue of the AMERICAN POULTRY WORLD, in the concluding paragraph, I offered to write another article dealing with the views of Dr. Raymond Pearl, of the Maine Experiment Station, on the subject of "Inbreeding". To date I have not less than 100 letters from all over the United States, Canada, Mexico and Cuba, asking for copies of Dr. Pearl's expressions on this important subject, it being evident that the impression was conveyed in my article that I would send this to readers of the AMERICAN POULTRY WORLD on request. I have explained to each person who wrote me that a discussion of this question would appear in a subsequent issue of AMERICAN POULTRY WORLD. Following are Dr. Pearl's views:

BY L. F. VAN ORSDALE, Cincinnati, Ohio.



One problem before the poultry raising public is so little understood, and no one question succeeds in having so much misinformation printed about it as the problem of inbreeding. It will be the purpose of this article to give in detail the observations of one of the greatest living authorities on poultry breeding in the world, Dr. Raymond Pearl, biologist, of the Maine Experiment Station, on inbreeding. In bulletin No. 214 of the Maine Station, Dr. Pearl says:

## THE BASIC FACTOR

"The basic factor which makes for success in practical breeding is inbreeding. This may seem a radical statement, but a careful study of the best improved strains of live stock of all sorts, including poultry, leaves no room for doubt that the attainment of the highest degree of excellence has always been associated with the practice of a very considerable amount of inbreeding of rather close degree.

"It is a curious paradox of animal husbandry in general, and of poultry husbandry in particular, that while, as a matter of fact, every successful breeder of high grade stock practices inbreeding to a greater or less extent, a great many of these men are violent, even fanatical, opponents to inbreeding in theory. Most of them will deny stoutly that they ever practice inbreeding. They contend that they practice 'line breeding' but never 'inbreeding'.

"The distinction here is obviously verbal and not biological, being in its essentials, precisely similar to that between Tweedledum and Tweedledee. The essential and biological point is that what is actually done is to purify the stock in respect to all characters to as great a degree as possible. What the successful breeder aims to do is to get his stock into such condition that he has only one kind of 'blood' in it.

## SOME DEGREE OF INBREEDING NECESSARY

"Expressed more precisely, though unfortunately more technically, it may be said that the breeder endeavors to get his stock homozygous with reference to all important characters or qualities. The quickest way, indeed, the only way, practically to obtain this result is by the practice of some degree of inbreeding. Sometimes a great stride toward the desired end may be made by mating brother and sister or parent and offspring together.

"That a mating of such close relatives will surely result in disaster is one of the carefully nursed superstitions of breed-

ing, which has often been exploded, but will doubtless always be with us. It may be said that all the evidence which may be gleaned from the experience of stock breeders indicates that the results which follow inbreeding depend entirely upon the nature of the individuals inbred. If one inbreeds weak animals lacking in constitutional vigor and carrying determinants of undesirable qualities in their germ cells, the offspring resulting from such a mating will undoubtedly be more nearly worthless than were their parents. If, on the other hand, one inbreeds in the same way strong animals high in vitality and carrying the germinal determinants of desirable qualities, there may be expected a corresponding intensification of these qualities in the offspring.

## ITS VALUE PROVEN

"The time has come when a vigorous protest should be made against the indiscriminate condemnation of inbreeding. It should be clearly recognized that if the experience of stock breeders extending throughout the world and as far back as trustworthy data are available means anything at all, it plainly indicates that some degree of inbreeding is an essential to the attainment of the highest degree of success in the breeding of animals, poultry forming no exception to this rule.

"This contention receives full support from the results of modern exact studies in genetics. Such studies show that the personal bodily character of the parents have no casual relation to the personal characters of the progeny. What the progeny shall be like is determined by the constitution of the germ cells of the parents.

"When by a proper system of selective breeding the point is reached where these germ cells are pure with reference to a particular character, or degree of a character, then that character will unfaillingly appear in the offspring, in the degree of perfection it is represented in the germ cells. This is the highest goal of the practical breeder. But in a sexually reproducing organism like the domestic fowl, purity of the germ cells with respect to the determinants of any character is only to be obtained, in the hands of a practical breeder without special scientific training, by the practice of inbreeding.

## CAREFULLY MADE PLANS.

"It should not be understood that indiscriminate inbreeding without definite purpose or reason is advised, or advocated as a panacea for all the difficulties which beset the breeder's path. All successful breeding is the working out of carefully made plans. In those plans inbreeding has a place. For the average poultryman, who does not keep individual pedigrees, and could scarcely afford to



FIRST PRIZE RED SUSSEX HEN AT CHICAGO SHOW DEC. 1914 OWNED BY HOUSTON & HOFIUS SOUTH CHARLESTON, O.

Houston & Hofius, South Charleston, Ohio, are among the fortunate breeders who have taken up the good old Sussex fowl as their favorite. They foresee a great boom in this popular table fowl in the near future on this side of the ocean and are preparing themselves to supply a great demand for Sussex in both the Light and Red varieties. At present they are the owners of one of the best flocks of these two varieties in this country, among them many recent winners at the best shows seen to date. The above hen is one of the individuals from their flocks and we are informed that there are many others her equal which will be in their breeding yards this season.—A. O. Schilling.

(Continued on page 377)



WHITE PLYMOUTH ROCK MALES. WINNERS AT PITTSBURGH SHOW JAN. 1915  
 BRED AND OWNED BY RANCOCAS POULTRY FARM BROWNS MILLS, N. J.  
 FROM LEFT TO RIGHT. FIRST PRIZE COCK, FIRST YOUNG PEN CKL., FIRST PRIZE CKL., FIRST OLD PEN COCK

Eighty-eight single entries and fourteen pens formed an excellent class of White Plymouth Rocks at the recent Pittsburgh Show. There were many good ones, but it remained for Rancocas Poultry Farm, Brown's Mills, N. J., to make a clean sweep of all the first prizes, in addition to many other regular places in this strong class. This entry was wonderful in many ways. They were exhibited in prime condition and also represented quality of the very choicest kind. The four males shown in above group represent the four males winning the ribbons. They all possessed the uniform characteristics for which this strain is noted, namely, hard, neat, plumage, broad strong shoulders and beautiful concave backs, neat, well set and evenly serrated combs and color that is superb in purity and lustre. M. F. Chapman, Supt. of Rancocas Poultry Farms, has produced a wonderful family of White Plymouth Rocks which have also established an enviable show record during past years at America's largest shows.—A. O. Schilling.



# THE BLUE ANDALUSIANS

POPULARITY OF BLUE ANDALUSIANS RAPIDLY INCREASING. THE ANDALUSIAN CLUB IS DOING EXCELLENT WORK IN PROMOTING THE BREED'S INTERESTS. BEAUTY AND UTILITY COMBINED IN THIS GOOD OLD MEDITERRANEAN BREED. LAYERS OF THE LARGEST WHITE SHELLED EGGS. ORIGIN SOMEWHAT SHROUDED IN MYSTERY, ALTHOUGH THEY ARE BELIEVED TO HAVE COME FROM ANDALUSIA, ON THE SPANISH COAST

BY WM. ORLANDO JENNINGS, Buffalo, N. Y.



THE Blue Andalusians have for many years been among the most popular variety of fowls exhibited in England, Belgium and Spain. They are now fast becoming popular in the United States and Canada. If you will look over the catalogue of the leading poultry shows of this country for the past three years, you will find that the Andalusian exhibits have increased 75%. Undoubtedly, they have advanced further in the past year than the average fancier is aware.

## CLUB DOING GOOD WORK

Let us see just how much has been accomplished along this line. The Andalusian breeders now have an up-to-date live wire specialty club, organized under the name of the Blue Andalusian Club of America. The membership of this club has now reached over one hundred and twenty-five, representing breeders from thirty different states and Canada. This means a nation-wide interest.

The club has published one of the finest year books we have seen this season, equal to any published by larger specialty clubs. A good representation of the Blue Andalusian Club of America was present at the last meeting of the American Poultry Association and were successful in getting illustrations admitted to the new Standard. It took strong arguments to convince some of the A. P. A. officials of the interest that is being taken in this fast becoming popular variety. The club is represented by men that are full of fight and are out to win and put the Andalusians on the map in large numbers.

## GROWING IN POPULARITY

This year the premium lists for a number of the leading shows contain extensive special prizes for Blue Andalusians. At one show in particular, we notice the prizes offered on this variety amount to over \$175.00 in value. At one of the leading western poultry shows this winter, there was an exhibit of 133 Andalusians, including a class of 24 cockerels. This all goes to prove the interest that Andalusians are commanding.

Many of us ask the question, why are they not better advertised? Speaking from my own standpoint, I have found no difficulty in disposing of the moderate supply I have produced for the last few years without extensive advertising. There are a number of Andalusian breeders that raise them in large quantities, most of whom find good demand for all the stock they have for sale. There has been three or four times the number of Andalusians raised the past year than ever before, and we hope to see half page and full page advertisements of this variety in our leading poultry journals in the

near future. The only thing they lack to put them on an equal footing with the most popular varieties is publicity—more advertising. The Andalusians possess excellent merits, both as commercial fowl and as a show bird.

## PROLIFIC LAYERS

They are prolific layers of large white eggs, seldom, if ever ceasing to set and quite often they lay well through the molting period. This seems to be somewhat of a peculiar feature of Andalusians. I have quite often seen hens with their feathers partly molted out, still laying. The chicks develop very rapidly and usually reach the two pound mark at sixty days. These fowls stand confinement well and make excellent birds for the village or city poultry raiser. In the show room they are much admired by the general public, and on account of their pleasing, patriotic colors of red, white and blue, they are often purchased by wealthy classes of people for their country estates. A striking red comb, the snow white ear lobes and the beautiful shade of their blue plumage certainly does create a most attractive appearance.

## STUDY IN BREEDING

As a breeder and exhibitor of standard bred fowls for nearly sixteen years, during which time I have bred and exhibited most of the popular varieties, I can say that I have never found a variety of fowls that have afforded me as much pleasure in studying and breeding as the Blue Andalusians. The producing of this clear, light blue color, combined with a lacing of a dark, bluish black, has brought about some very interesting experiments. The blue color was first produced by combining black and white. Like the artist mixes his pigment, the Blue Andalusian breeder crosses the darker and lighter shades of birds with effective results. Some fanciers criticise the Andalusian on account of the number of sports which they breed. I have found that on an average of 85% of them come true to color and also that the number of culls from 100 Andalusians is no larger than from many other varieties.

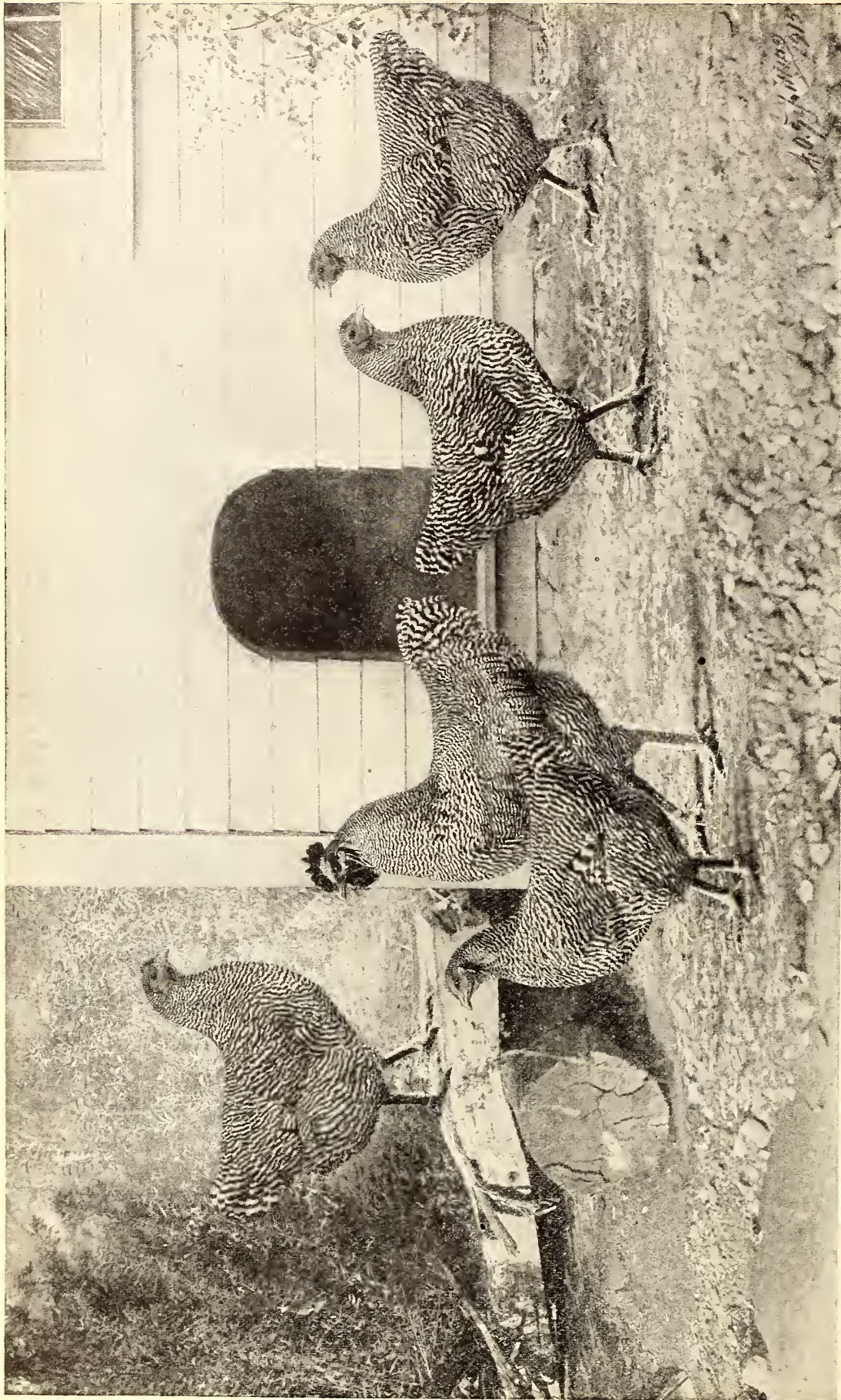
Take the Rhode Island Red for illustration. How many exhibition colored, or suitable breeding birds do you find in every hundred? This variety, owing to its splendid utility qualities and unusually attractive color, ranks among the leaders for popularity and demand. This proves that the throwing of a few off colored birds will not keep a variety from becoming popular if they possess the other desired qualities.

It may seem like a fairy prediction to say that within the next five years the Blue Andalusian will be among the leading varieties, but they are going to get there just the same. As a matter of fact, the general

(Continued on page 379)



Blue Andalusians are coming into their own again in this country judging by the excellent classes of good quality one finds at most of the large shows this season. The female shown in above picture is one of the best of her kind, winning last season at Baltimore and this season she won at Buffalo, Boston and Chicago. Wm. Orlando Jennings, Buffalo, N. Y., is an ardent admirer of the Blue Andalusians and is producing some wonderful specimens. Among his flocks are individuals of rare color and shape and he is producing them in goodly numbers. The Andalusian is one of the oldest breeds in existence and has always had a good reputation as an egg producer, in addition they are extremely beautiful, which accounts for their continued popularity in one of the best of the Mediterranean breeds.—A. O. Schilling.



FIRST PRIZE YOUNG PEN BARRED ROCKS AT BOSTON SHOW JAN. 1915  
 BRED AND OWNED BY PITTSFIELD POULTRY FARMS SKOWHEGAN, MAINE



Pittsfield Poultry Farm, Skowhegan, Maine is one of the largest fancy and utility plants in the country specializing in Barred and White Plymouth Rocks. Pittsfield Farm Plymouth Rocks are bred for utility qualities as well as for the show room. They are large solid bodied specimens with plenty of vitality to produce fertile eggs. In the show room we have seen them win at the Big Boston Show repeatedly. This season they were very successful in a large class of quality Barred Plymouth Rocks, winning first prize on exhibition young pen, first prize on cockerel-bred pen and second prize on pullet-bred pen. The above pen represents the second prize young pen. They were a fine lot of pullets very evenly matched in shape and size, while their color was also strong in regular even barring.—A. O. Schilling

# THE BEGINNER'S POULTRY PLANT

## PART III.

CONFUSION OF TERMS "BREED" AND "VARIETY" COMMON WITH THE BEGINNER. TYPE MAKES THE BREED, COLOR THE VARIETY. A DISCUSSION OF THE TERM "STRAIN". THE SELECTION OF BREED DEPENDS UPON THE END IN VIEW, WHILE SELECTION OF VARIETY IS A MATTER OF PERSONAL TASTE. AFTER BREED AND VARIETY ARE DETERMINED ON, STRAIN SHOULD RECEIVE CAREFUL CONSIDERATION. SECURE THE BEST STOCK OBTAINABLE FOR FOUNDATION PURPOSES

BY E. B. TEMPLER, Newark Valley, N. Y.



HE beginner is often confused, and thinks that the terms, "breed" and "variety", are interchangeable. This is not so and often leads to error when discussions concerning poultry arise. When we refer to "a breed" of fowls there is implied a race of birds with distinctive shape characteristics. For sake of illustration we will mention the Wyandottes, and of this family we have the Buffs, White, Columbians, etc. This brings us to the term, "variety". When we speak of Buff Wyandottes we refer to a variety of the Wyandotte family, hence we may say that any sub-division of an original family type becomes a variety.

### THE MEANING OF STRAIN

The term, "strain", means that someone has been breeding one of these varieties of some breed for several years and having perfected it, announces that he has his own strain of birds from this family type. He may call it after his own name or the name of his farm or some other name which may possibly have reference to the birds themselves. There may be some special characteristic in the general makeup of his stock that sets them apart as worthy of distinction in the variety to which they belong. Many times this matter of "strain" can be seen at poultry shows where different exhibitors have their fowls—here you will find birds of the same breed and variety with some distinctive features that mark the "strain" and shows their exclusive breeding. I have in mind a breeder of White Wyandottes who has a national reputation for excellence in stock whose birds could be told by an expert by their special shape characteristics. Never lose sight of this matter of strain, for it is a very important part of the work. With one strain you might succeed while with another you might fail or at least come so near it that you would become discouraged with the work.

### THE BREED

The selection of a breed depends to a large extent upon the purpose of your work, whether it is to be a fancy poultry plant catering to the needs of poultrymen who want first class exhibition birds or one that is to furnish the market with eggs and dressed poultry. If it is the former then some popular breed should be chosen so that you will have a large field for your operations. You can determine yourself which breeds are apparently the most popular by the number of people who are handling and advertising certain breeds. If you wish to go in for eggs alone then one of the lighter

breeds would answer your purpose nicely. However, even when one wishes to keep hens for eggs as the main feature it is well to consider what will be done with the yearlings in the fall. If you have a middle weight utility breed you can market these yearling hens to advantage, whereas if they are the light weight breeds it is not a very profitable venture, even if you can readily find a marketman who will take them.

There are some large plants in operation that use the smaller fowls with excellent results. It is claimed that they will make in egg production more than what they lose in weight at the close of the year. Some of the recent egg laying contests make the smaller breeds show up pretty well, but even then some of the middle weight breeds make them hustle to keep ahead. Another determining feature is the market to which you wish to cater—if it is to the Boston market, then you will want the brown shelled eggs, while the New York market calls for the eggs with white shells. As a local condition the color of the shell does not affect you materially, but if you are planning to do business on a large scale it is well to start right with the color of shell that your market will demand. In my own immediate vicinity there is but little discrimination as to shell, both being accepted at one price, but in the cities, the lines are drawn closely as to shell color. We

know that the Leghorns lay a white shelled egg and the Wyandottes brown shelled ones, thus applying to the various varieties of the respective breeds. The White Leghorns, Brown Leghorns, Buff Leghorns, etc., will all lay the white shelled egg of the Leghorn family, while the Wyandotte will lay the brown shelled egg, typifying that the family traits are in all varieties. The shade of brown will differ quite a bit from the very light brown to the very dark. By careful breeding one may in time produce a strain of birds that will lay eggs of uniform color, but this will be done often at a sacrifice of other things that make a good strain.

### THE VARIETY

The selection of the variety depends very much upon personal taste, as when the lady of the house is choosing a dress she may like a red one or on the other hand, prefer blue. If you like white feathered birds you will find them in about every breed, if you prefer a parti-colored bird you can get that in most of the breeds. The general type of any breed can be maintained and at the same time you can have a selection of about any combination that you wish. You can have Golden or Silver Wyandottes, plain white or a mixture of black and white as you will find in the Columbian Wyandottes. To be sure there is something in popularity which helps in the selec-



Homestead Campine Farm, Wayland, Mass., produced a good one in their winning cockerel at the recent Boston show. He was a nice shaped individual having a good head, and a wonderful clear hackle. In body color he was clear and distinct in the white marking, while his black ground color had plenty of green lustre, which is so important in this breed. His saddle and back was well furnished with clear marked plumage and no doubt, as head of one of the numerous breeding pens at Homestead Campine Farm, he will prove to be a good breeder. —A. O. Schilling.

(Continued on page 381)



SECOND PRIZE PEN WHITE FAVEROLLES PALACE NEW YORK SHOW DEC. 1914  
BRED AND OWNED BY DICTOGRAPH POULTRY FARM WEST NYACK, NEW YORK.

The largest class of White Faverolles shown to date in this country, to my knowledge, was penned during the recent Palace New York Show. Among them were many fine specimens and we are informed they were judged, not only for their show qualities, but that utility was a strong consideration in deciding the awards. Seventy nine White Faverolles constituted the exhibit and many of them were fresh importations from abroad, while a portion were home bred specimens. Dictograph Farms, West Nyack, N. Y., were among the most successful winning 2-5 hens, 1-5 cockerels, 2-3-4 pullets and 2nd pen. The latter is shown in the above picture and represents a useful lot of individuals. They were big, solid bodied specimens having plenty of breast meat, yet not to course. Faverolles are bound to become one of our most popular breeds, especially, for the reason that breeders are paying attention to their useful qualities while striving to perfect them for the show room.—A. O. Schilling.

# OVERFEEDING MORE DANGEROUS THAN UNDERFEEDING

EXPERTS IN THE U. S. DEPARTMENT OF AGRICULTURE WHO HAVE INVESTIGATED FEEDING QUESTIONS TELL US THAT OVERFEEDING IS MORE DANGEROUS THAN UNDERFEEDING, ESPECIALLY IN REFERENCE TO YOUNG CHICKENS. HOW, WHAT AND WHEN TO FEED. A GOOD GROWING MASH AND HOW TO PREPARE IT. MILK, EITHER SOUR, SKIM OR BUTTERMILK, VALUABLE IN ALL STAGES OF DEVELOPMENT. GREEN FOOD MUST NOT BE OVERLOOKED



**Y**OUNG chickens should be fed from three to five times daily, depending upon one's experience in feeding. Undoubtedly chickens can be grown faster by feeding five times daily than by feeding three times daily, but at no time should they be fed more than barely enough to satisfy their appetites and to keep them exercising, except at the evening or last meal, when they should be given all they will eat. Greater care must be exercised not to overfeed young chicks that are confined than those that have free range, as leg weakness is liable to result in those confined.

## FIRST FEEDING

The young chicks may be fed any time after they are 36 to 48 hours old, whether they are with a hen or in a brooder. The first feed may contain either hard-boiled eggs, johnnycake, stale bread, pinhead oatmeal or rolled oats, which feeds or combinations may be used with good results. Mash, mixed with milk, are of considerable value in giving chickens a good start in life, but the mixtures should be fed in a crumbly mass and not in a sloppy condition. After the chickens are two months old they may be fed four times daily, and after three months old, three times daily, with good results. Johnnycake, composed of the following ingredients in the proportions named, is a very good feed for young chicks. One dozen infertile eggs or 1 pound of sifted beef scrap to 10 lbs. of cornmeal, add enough milk to make a pasty mash and 1 tablespoon of baking soda. Dry bread crumbs may be mixed with hard-boiled eggs, making one-fourth of the mixture eggs, or rolled oats may be used in place of the bread crumbs.

## HOW TO FEED

Feed the bread crumbs, rolled oats or johnnycake mixtures five times daily for the first week, then gradually substitute for one or two feeds of the mixture finely cracked grains of equal parts by weight of cracked wheat, finely cracked corn, and pinhead oatmeal or hulled oats, to which about 5 per cent. of cracked peas or broken rice and 2 per cent. of charcoal, millet or rape seed may be added. A commercial chick feed may be substituted, if desired. The above ration can be fed until the chicks are two weeks old, when they should be placed on grain and dry or wet mash mixture.

## A GOOD GROWING MASH.

After the chicks are 10 days old a good growing mash, composed of 2 parts by weight of bran, 2 parts middlings, 1 part cornmeal 1 part low-grade wheat flour or red-dog flour and 10 per cent. sifted beef scrap, may be placed in a hopper and left before them at all times. The mash may be fed either wet or dry, if wet, only enough moisture (either milk or water)

should be added to make the feed crumbly, but in no sense sloppy. When this growing mash or mixture is not used a hopper containing bran should be accessible to the chickens at all times.

When one has only a few chickens it is less trouble to purchase the prepared chick feeds, but where a considerable number are reared it is sometimes cheaper to buy the finely cracked grains and mix them together. Many chick feeds contain a large quantity of grit and may contain grains of poor quality, so that they should be carefully examined and the quality guaranteed before they are purchased.

## WHOLE GRAINS

As soon as the chickens will eat the whole wheat, cracked corn, and other grains, the small sized chick feed can be eliminated. In addition to the above feeds the chickens' growth can be hastened if they are given sour milk, skim milk or buttermilk to drink. Growing chickens kept on a good range may be given all their feed in a hopper, mixing 2 parts weight of cracked corn with 1 part of wheat, or equal parts cracked corn, wheat and oats in one hopper and the dry mash for chickens in another. The beef scrap may be left out of the dry mash and fed in a separate hopper, so that the chickens can eat all of this feed they desire. If the beef scrap is to be fed separately, it is advisable to wait until the chicks are 10 days old, although many poultrymen put the beef scrap before the young chickens at the start without bad results. Chickens confined to small yards should always be supplied with green feed, such as lettuce, sprouted oats, alfalfa, or clover, but the best place to raise chickens successfully is on a good range where no extra green feed is required. Fine charcoal, grit, and oyster shell should be kept before the chickens at all times, and cracked or ground bone may be fed where the chickens are kept in small back yards, but the latter food is not necessary for chickens that have a good range.

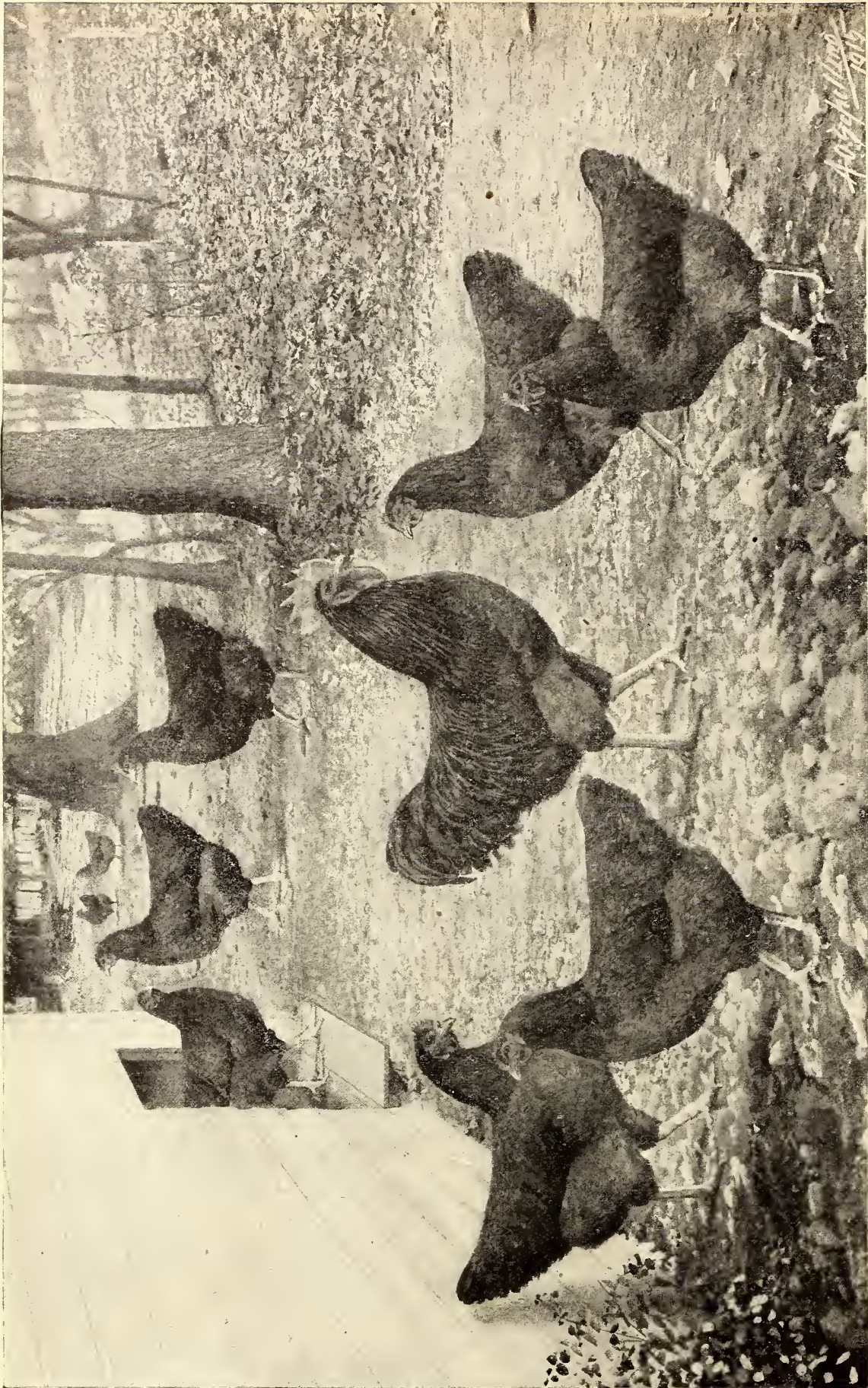
The U. S. Department of Agriculture recently issued Farmers' Bulletin No. 624, entitled "Natural and Artificial Brooding of Chickens," which contains the practical instructions that have been given in this series. It may be had by poultry raisers free of charge on application to the U. S. Department of Agriculture, Washington, D. C.

Note: The experts in the departments employ are gathering much valuable data that is sure to prove of service to poultry raisers in all sections. Much of this data has already been incorporated in bulletins for free distribution. We advise all readers to secure the above mentioned bulletin on "Natural and Artificial Brooding of Chicks" and also to request a list of the other available bulletins on poultry subjects. Such a list may be obtained by making request when sending for Bulletin No. 624.



FIRST PRIZE S-C R-I RED COCKEREL  
CHICAGO SHOW DEC. 1914 BRED AND OWNED BY  
OWEN FARMS VINEYARD HAVEN, MASS.

We do not recall ever having witnessed a more keenly contested class of R. I. Reds than we found at Chicago Coliseum Show held December, 1914. The most famous flocks from all parts of the country were represented by strong entries resulting in a wonderful array of quality in all classes. The above cockerel carried off first honors for Owens Farms, Vineyard Haven, Mass., which all things considered should be evidence enough of his merits. He was a big rangy bird of wonderful color and in our opinion will improve even more in type and symmetry after a few more weeks development. Owen Farms Reds have always given a good account of themselves wherever we have found them in competition and no doubt their customers are enjoying the same pleasure and the benefits derived therefrom.—A. O. Schilling.



"ROYAL REDS"

FIRST PRIZE S. C. R. I. RED YOUNG PEN CHICAGO COLISEUM SHOW DEC. 1914  
BRED AND OWNED BY F. E. HARRISON  
MENOMINEE, MICH.

"ROYAL REDS"

It was an evenly matched pen that won the blue ribbon in the young pen class of Single Comb Rhode Island Reds at the recent Chicago Coliseum Show. They were of the "Royal Red Strain" exhibited by F. E. Harrison, Menominee, Mich. Mr. Harrison has succeeded wonderfully with his Reds during recent years and on account of his records he has created a large trade in supplying winners for shows throughout the country. "Royal Reds" are winning for Mr. Harrison's customers and are reproducing themselves from year to year. They possess color and shape of the highest quality to be found anywhere. Competition was very close at the recent Chicago Show where the above pen was victorious but in the opinion of the judge this pen was just a trifle better all points considered, than the closest competitor, which won for them first honors.—A. O. Schilling.

# THE PITTSBURGH SHOW

THE POULTRY EXHIBITION OF PITTSBURGH HELD JANUARY 18-23, 1915, THE ONLY SHOW TO BE HELD IN THE SMOKY CITY THIS SEASON. WHILE ENTRIES WERE NOT UP TO LAST YEAR'S MARK THE LACK IN NUMBER WAS MADE UP IN QUALITY. ATTENDANCE DESPITE BAD WEATHER UP TO PREVIOUS YEARS. SEVERAL SPECIALTY CLUBS HELD ANNUAL MEETINGS. THE CLASSES

BY WM. C. DENNY



THE annual show of the Poultry Exhibition of Pittsburgh, held January 18-23, 1915, scored another success for that organization, though the show, like many others of this year's poultry exhibitions, suffered through a falling off in entries. The attendance, however, was good despite bad weather, fully up to that of last year, which was the best in the history of the association. It should be remembered, however, that the number of entries do not altogether rate the importance of a show nor establish it as a national affair. This is measured by the quality of exhibits, the personnel of the exhibitors and the judges. In this respect the Pittsburgh Show was fully up to that of any previous season. There were strong quality classes of Barred Rocks, White Rocks, Partridge Rocks, Columbian Wyandottes, Single and R. C. Reds, Dark and White Cornish, S. C. White Orpingtons, S. C. White, Buff and Brown Leghorns. The Blue Andalusian, White Crested Black Polish, Black Langshan and Bronze Turkey classes also contained many choice specimens. The list of exhibitors included such well known prominent breeders as Rancoas Poultry Farm, Bird Bros., Wilburtha Poultry Farm, Schenley Heights Poultry Farm, Dr. W. A. Low, Orchard Farm, Rawnsley-Shields Poultry Farm and others.

The list of judges was as follows: W. H. Card, A. Fred Kummer, Irving F. Rice, H. P. Schwab, C. D. Cleveland, Len Rawnsley, W. Theodore Wittman, Theodore Hewes, J. C. Punderford, Wm. F. Auerswald, and J. A. Lewis.

The foregoing combination, added to the fact that a number of leading specialty organizations held annual meetings during the show, upheld Pittsburgh's reputation as a poultry show center. The American Barred Rock Club, American White Plymouth Rock Club, American Cornish Club, and American Bronze Turkey Club held annual meetings during show week. In addition to bringing out splendid exhibits of these varieties, these meetings also brought to the show a large number of well known poultrymen, members of these clubs who came to take an active part in club work.

The Poultry Exhibition of Pittsburgh is an incorporated company with the following officers: Frederick G. Davis, President; F. A. Goedecke, Vice-President; C. F. Rankin, Treasurer; W. P. Craig, Secretary and Superintendent.

To Secretary Craig belongs much credit for the splendid success of the show, which was held as usual in the Pittsburgh Exposition Building, a splendid hall that adequately meets the requirements in the matter of light and floor space. It is one of the best buildings in the country in which poultry shows are being held.

The meeting of the American Barred Plymouth Rock Club

resulted in large classes. Including the birds in pens, there were nearly 200 specimens entered. First prize cockerel, belonging to L. B. Resseguie, of Millers, N. Y., was one of the most attractive birds in the entire class.

The American White Plymouth Rock Club meeting brought together a splendid exhibit of this variety, about 175 birds entered by well known exhibitors. The Cornish classes were not as large as some of the ardent enthusiasts of the breed had hoped to see. Nevertheless, there were about 175 birds entered in the three varieties. With many of the best known breeders entered, quality in Dark Cornish was, of course, exceedingly fine. The White Cornish class was a revelation in quality. We have never seen as good birds nor as many as were shown here. There was a small exhibit of Buff Cornish, a comparatively new variety.

Judging from a quality standpoint, the Bronze Turkey class was unusually strong. Bird Bros., of Meyersdale, Pa., who have an international reputation as breeders of this variety and of Partridge Rocks, dominated the classes, and in Bronze Turkeys, won all the regular prizes excepting one third and two fifths.

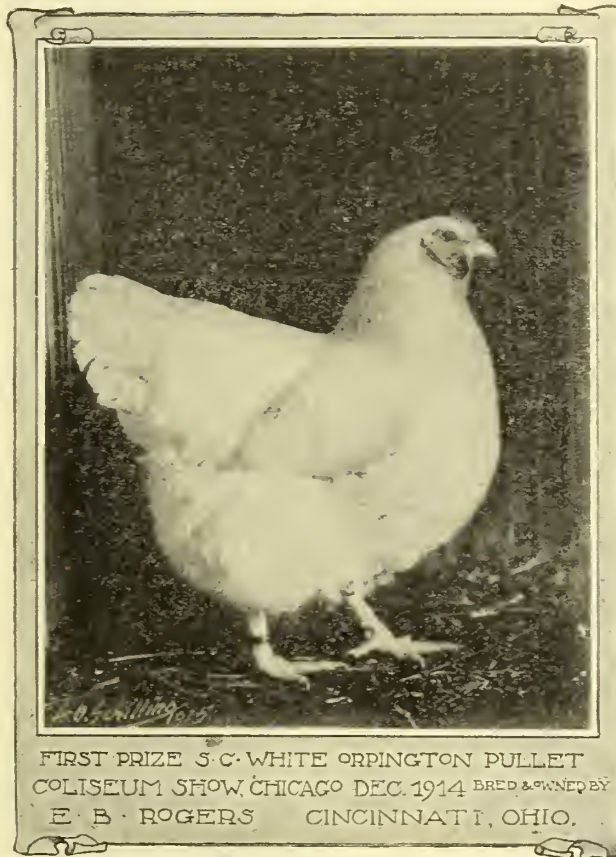
## NOTES OF THE SHOW

L. B. Resseguie made by far the best record in the strong

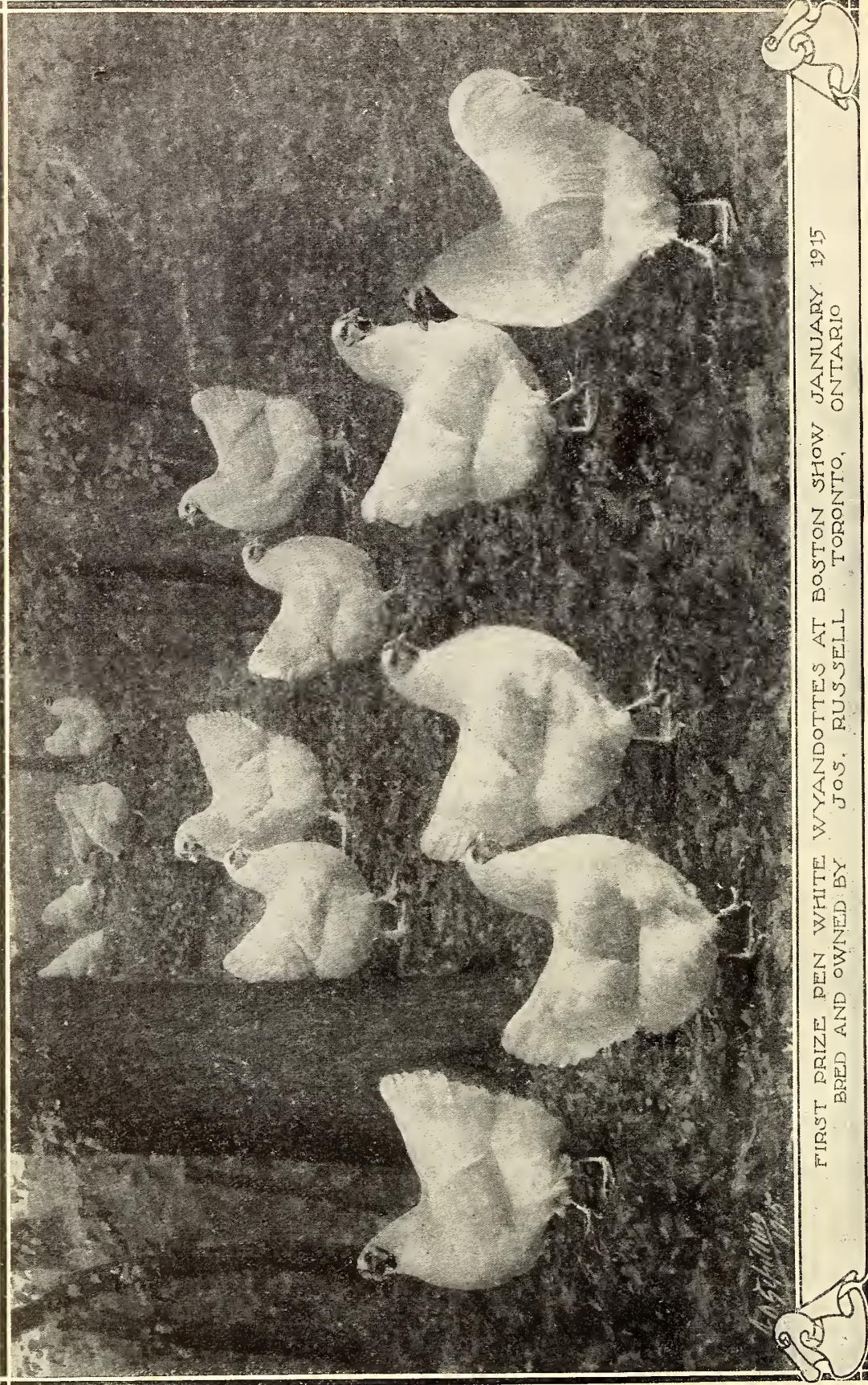
Barred Rock class, winning seven of the twelve first prizes. In addition to the following specials: Special for best display, special for Champion male, special for Champion pullet-bred male, special for cockerel-bred female, best shaped male, best colored male, Mr. Resseguie's winnings were as follows: 1-3 cock, 1-3 cockerel, 6-7 hen, 2-3 pullet, 1st pullet-bred cock, 1-3 pullet-bred cockerel, 1-3 cockerel-bred hen, 2-3 cockerel-bred pullet, 1st old pen, 2-3 young pen, 1st pen mated to produce exhibition males. Mr. Resseguie's winnings are the more remarkable because he won a regular prize on every entry. His entries also won, among other prizes, special for best display at the Greater Buffalo Show and the Rochester Show this past season. He has been specializing in Barred Rocks and S. C. Brown Leghorns and has had unusual success in producing high class specimens of these varieties. He is offering eggs from the same pens that he uses for his own use and also has some surplus stock of both varieties for disposal. A. P. W. readers will make no mistake in sending orders to Mr. Resseguie, as he guarantees satisfaction or no sale.

Rancoas Poultry Farm, Brown's Mills, N. J., "swept the platter clean" in the White Rock class, winning first cock, 1-2-4-6-7 cockerel, 1-2-4 hen, 1-2-3-5 pullet, 1st old pen, 1st young pen and all specials, including best display, Champion male and Champion female.

(Continued on page 356)



It was a good class of White Orpingtons that faced the judge at the recent Coliseum Chicago Show. Among them many wonderful specimens for size, type and color. The fact is White Orpingtons have improved so rapidly during the last few years that we find among the unplaced birds, specimens which four or five years back would have been considered winners. Rogers Poultry Farm, Columbus, Ohio, have been producing many of the best we have seen at recent Chicago Shows. They are big, massive specimens of excellent type and bone and the kind that have been winning for Mr. Rogers and his customers. The above picture is a faithful likeness of the first prize pullet and it will be seen she was of the winning sort in type especially.—A. O. Schilling.



FIRST PRIZE PEN WHITE WYANDOTTES AT BOSTON SHOW JANUARY 1915  
BRED AND OWNED BY JOS. RUSSELL, TORONTO, ONTARIO

One hundred twenty-nine single entries and ten pens constituted the display of choice White Wyandottes entered for competition at the recent Boston Show. They were a wonderful collection and represented the cream of many of the yards of the best breeders of this "old favorite", in America today. Jos. Russell, Toronto, Ont., was again successful in winning his share of the blue ribbons, repeating in a measure his wonderful record of five firsts last year. The pen shown above was winner of first prize and contained specimens of the brand admired by many eastern breeders. They are neat and compact in body, possessing the elegant outlines of a modern Wyandotte. The cockerel heading this pen was shown at the recent Madison Square Garden Show in the single classes where he captured the blue ribbon, adding more glory and honors to the Russell Farm White Wyandotte Show record.—A. O. Schilling.



# FROM SHELL TO MATURITY

SOME VALUABLE OBSERVATIONS FROM AN EXPERIENCED BREEDER. FEED MORE THAN HALF THE BATTLE, BUT RATIONS SHOULD BE VARIED. FEEDING AND CARE OF CHICKS. A REMEDY FOR THE PREVENTION AND CURE OF WHITE DIARRHEA. TO KEEP CHICKS GROWING KEEP THEM EATING. CHICKS IN SMALL QUARTERS IF PROPERLY HANDLED WILL GROW FASTER ON LESS FEED THAN THOSE ON RANGE BUT THE LATTER WILL MAKE BETTER SHOW SPECIMENS. A HOME REMEDY FOR ROUP AND CANKER

BY R. M. HENDERSON, Toledo, Ohio.



LIKE all poultrymen undergo the funny feeling that comes with the approaching season when we get the old incubator and brooder down and disinfect and prepare them for business. I will not try to describe this funny feeling, for I believe most chicken cranks, at this time of year, when we are choosing the best for first pen and next best for second, are troubled with the same sensation.

There seems to be a desire with most, if not all, to mate our birds to produce better quality than we had last season, and some of us have attended the winter shows and chosen a bird here and there and expect to improve our favorite strain. I have been a breeder of several kinds of fowls at different times for fifteen years and find to my own satisfaction it is best not to try to breed more than one kind, unless we have abundance of space and housing facilities where one can give the birds proper care.

## TO PRODUCE THE BEST BIRD

I am, and always have been, experimenting on different methods to produce the best bird in the shortest time on the least amount of feed, and still have them near as possible to standard requirements. Feed is more than half the battle, not merely feed but different kinds of feed or, in other words, a balanced ration. I will give you a system that I have tried for years and know it will prove out.

Take the chick from the incubator and use any of the well known systems for the first week, such as grit, lukewarm water and rolled oats and hard boiled eggs, mixed with enough sweet milk to moisten a little, and you find the chick looking plump and round as a ball, but you are just getting to the critical time as the dreaded white diarrhea is about due to show up.

## A REMEDY FOR WHITE DIARRHEA

To guard against white diarrhea, take a piece of common logwood (that you can get at any drug store), about half the size of a pea to a quart of water or for 75 to 100 chicks: dissolve in water every morning and leave in run or brooder for two or three hours or until all the chicks have had a drink, then replace with fresh water. This will safeguard against the germ getting a start, or will cure nearly every chick that is affected if you let the disease get started before you start the prevention.

Another important development I have discovered through experimenting is to give a weak, puny bunch of chicks, that always seem cold and

hungry and still not willing to eat, beef tea or beef bouillon as it is more commonly called, in place of water and you will notice a difference in them in 24 hours, the bouillon acts as a tonic and seems to be just what they need. You can get this extract at most any drug store, and a 25-cent jar of Swift's or a 50-cent jar of Armour's will last a long time and is worth four times as much as it costs, or four times the amount in other feed, as the chicks seem to take on new life and look like another bunch of chicks.

## A VARIED RATION

It is hard to satisfy a bunch of chicks that refuse to eat the feed you give them which in most cases, is the same old thing each day, but try feeding a different kind of feed every day. I find potatoes, boiled dry, mixed with bread crumbs or a mixture of shorts, oil meal, bran, corn meal and a little beef meal to be one of the very best and cheapest feeds that we can get and you will find that the chicks will eat all their little crops will hold, then go back and pick up every little crumb. I find they will always leave any other kind of feed for it and always seem to be ready for it. Sometimes I use corn bread instead of corn meal and that makes it still better.

Then feed the chick in litter as usual, a little wheat is also good and makes a change. I find cracked wheat, fed in a hopper, to be a very good feed and the chicks will stand and eat by the got in the potato and meal mixture. One thing I almost for sure and that is alfalfa meal. Do not put it all in but use a sieve which will not let the coarse stems through and mix the fine meal in to suit your judgment.

## TREATING LICE

Most of us use coal oil and lard for lice and if we happen to get a little too much on we sometimes have a sick bunch of chicks. I find sassafras oil to be much better for head lice and no danger of getting too much on. One drop rubbed on the head and under each wing and you should worry, but this should be repeated in about ten days.

The main thing is to keep the chicks growing and the way to keep them growing is to keep them eating plenty of good growing feed. Many times I have fed my chicks when they were hungry and they would not eat, then I would take the feed away from them and try another kind, something different, such as green lettuce mixed with corn bread, or ground beef, or beef blood and mixed meal mixtures. Then they would see which could eat the most and the fastest. They were craving some other kind of feed and unless they get different rations when they refuse



One hundred and eight-six Barred Plymouth Rocks were shown at the recent Boston Show by many of the best specialists of this old breed in the East. This is a show in itself and among the winners were individuals of unusual merit. A. C. Hawkins, Lancaster, Mass., won six out of eight first prizes competed for, which is a remarkable record under such competition. The above cockerel was the center of attraction of the many breeders of the ringy tribe. He was an exceedingly showy individual having wonderful regularity of barring, while his back and tail were nicely modeled into a concave sweep from base of hackle. He was not of the big awkward rangy type but represented a good profile. He was a natural show bird with very few faults and should prove to be a useful individual in the breeding yard.—A. O. Schilling.

(Continued on page 355)



# MADISON SQUARE GARDEN POULTRY SHOW NEW YORK CITY FEBRUARY 12-18, 1915.

POPULARITY OF THIS GREAT EVENT AGAIN DEMONSTRATED BY A LARGE EXHIBIT AND A MOST REPRESENTATIVE GATHERING OF AMERICA'S LEADING POULTRYMEN. THE SHOW WAS WELL MANAGED AND UNUSALLY WELL ATTENDED. NEXT ANNUAL EXHIBITION TO BE HELD DECEMBER 31, 1915 TO JANUARY 5, 1916. THE CLASSES

BY WM. C. DENNY.



HE 26th exhibition of "America's Leading Show", as the poultry show, held annually in the Madison Square Garden, New York City, is known, was a most successful affair. Last summer when Secretary Chas. D. Cleveland announced February 12-17, 1915, as dates for this season's show, there was considerable speculation on the part of regular patrons as well as poultrymen in general, as to the outcome. It was believed that this would

be too late in the season and that there would be a big decrease in entries, thus seriously affecting the size and prestige of the exhibition. In the early history of New York poultry shows, during the period from 1890-1900, it was the custom to have the show dates extend into February. Since the latter date and for the past 15 years, generally speaking, the show has been held New Year's week. Poultry keepers no longer favor shows held after January as they do not want to lose the use of valuable specimens for the necessary period to put them in show condition, send them to the shows and return them to the breeding pens, consequently poultry breeders and patrons of the Madison Square Garden Show were greatly pleased with the announcement made at this year's exhibition, that next year's show would be held December 31, 1915, to January 5th, 1916.

The expected big falling off in entries did not materialize. A comparison of this year's catalogue with that of last year shows a loss of 327 fowls in the poultry single classes and 68 pens, a total of 667 specimens. An analysis shows that this loss was mostly in the popular varieties, as for instance. Wyandottes were short 150 specimens; Leghorns, 160 specimens and Orpingtons, 257 specimens. Rhode Island Reds also were short 100. On the other hand several classes showed substantial increases. There were 144 more Brahmans than last year, 77 more Sussex and 60 additional Faverolles.

In the premium list Secretary Cleveland announced that the Pet Stock department had been eliminated with a view to giving more space to the Ban-

tam and Pigeon exhibitors. The Cat Show was also omitted in order to have the concert hall where that exhibition was usually staged open to the public for lectures and educational demonstrations. The Bantam exhibits were about on a par in numbers with last year's show, but Pigeons showed a falling off of over 1100 specimens. The total shortage in number in all departments of this year's show as compared with last year was 2,019. However, the falling off in the poultry classes was not noticeable to the average visitor. Madison Square Garden was comfortably filled with as choice and select a gathering of Standard-bred poultry as has ever been assembled in America or elsewhere. Quality abounded throughout the classes that contained entries of the best known and most successful poultrymen on the continent.

The table below will show a comparison of the entries of each breed at this and last year's shows:



CHAMPION RHODE ISLAND RED MALE  
FIRST PRIZE R. C. R. I. RED COCK  
SHAPE & COLOR WINNER BOSTON 1915 EXHIBITED BY  
RED FEATHER FARM, TIVERTON 4 CORNERS, R. I.

Sweepstake Champion Male over all the R. C. Reds shown at the Boston Show is the honor awarded to the subject of the above picture. He was a big solid specimen of excellent type, long level back, good comb and surface color of unusual quality. Red Feather Farm, Tiverton Four Corners, R. I., were very successful in winning on both Rose and Single Comb Reds, chief among which are first S. C. cock, and first S. C. pullet, while on R. C. Reds first and second cocks were considered gems of the class. Red Feather Farm has been producing thousands of high quality Reds for many years and are in a position to supply a large trade which they have established—A. O. Schilling.

	'14-'15	'13-'14
Plymouth Rocks ..	465	538
Wyandottes .....	416	566
Javas .....	14	—
Dominiques .....	55	20
R. I. Reds .....	247	345
Buekeyes .....	2	12
Brahmas .....	215	71
Cochins .....	49	88
Langshans .....	62	48
Leghorns .....	378	538
Minorcas .....	63	136
Spanish .....	30	51
Andalusians .....	55	23
Anconas .....	141	156
Campines .....	133	197
Orpingtons .....	348	605
Dorkings .....	10	39
Cornish .....	55	83
Sussex .....	113	36
Polish .....	55	48
Hamburgs .....	47	36
Houdans .....	55	37
Creve Coeurs .....	1	2
La Fleche .....	1	—
Faverolles .....	93	31
Sumatras .....	4	8
A. O. V. Games .....	63	53
Buttercups .....	51	19
Lakenfelders .....	12	20
A. O. V. .....	37	54
Turkeys .....	60	51
Geese .....	33	58
Ducks .....	121	170
Bantams .....	588	607
Pigeons .....	753	1884
Display Pens .....	200	200
Pet Stock .....	—	201
Exhibition Games ..	—	13
Total .....	5025	7044



WHITE ROCK COCK HEADING FIRST PRIZE PEN  
GREAT ROCHESTER SHOW JAN. 1915 BRED & OWNED BY  
THE GLEN POULTRY FARM FAIRPORT, N. Y.

At the Rochester Show, January, 1915, the Glen Poultry Farm, Fairport, N. Y., made an excellent winning on White Plymouth Rocks with an unusually good display of this variety. We were particularly attracted to the male, heading the winning pen and represented in above picture. He was a large heavy boned individual of pure white plumage, having an excellent broad sweeping back and saddle and a neat well formed comb. Among other individuals which constituted this collection, winning best display, was first prize cock and cockerel both well formed Plymouth Rocks of beautiful color and well shown. "The Glen" Poultry Farm Plymouth Rocks have been bred carefully for years along scientific lines and today are producing excellent show specimens which are winning in strong competition.—A. O. Schilling.

While some of the females had "gone by" and were not in the truest sense up to their best form from an exhibition standpoint the real quality was exceptionally high. This is especially true of Barred, Buff and Partridge Rocks, White and Partridge Wyandottes, Dominiques, S. C. Rhode Island Reds, Light Brahimas, Black Langshans, S. C. White and Brown Leghorns, Aneonas, Silver Campines, Buff, White and Black Orpingtons, Red and Speckled Sussex, White and Salmon Faverolles and Buttercups.

Though a goodly number of high class specimens as well as some of the winners were sold at very satisfactory prices, inquiry among the exhibitors developed the fact that the usual number of sales of high priced specimens were not made; the cause advanced for this was that plans for the breeding season had been completed and that the shows being over, fowls of exhibition quality were not in demand. There was, however, a splendid call and sale of hatching eggs and baby chicks, and judging by the interest shown by the average visitor, poultrymen are to enjoy a good selling season.

The "Garden Show" has always proven a magnet to bring together well known poultrymen and this year was no exception. The lateness of the season did not keep away the large number who usually attend either as exhibitors, or chiefly to study the improvement made in perfecting the breeds and varieties they are keeping. This year the number appeared larger than usual, the western states being better represented than heretofore. Among those from this section were E. S. Aldrich of Aldrich Poultry Farm Columbus, Ohio; Frank Hering, South Bend, Ind.; J. C. Williams, Los Angeles, Calif.; H. Cecil Sheppard, Berea, Ohio; H. H. Coburn, Port Huron, Mich.; E. E. Richards, Cedar Rapids, Ia.; Jas. W. Bell, Chicago,

Ill.; D. E. Hale, Chicago, Ill.; Louis Stahmer, Chicago, Ill.; F. W. Hallet, Indianapolis, Ind.; Theo. Hewes, Indianapolis, Ind.; S. T. Campbell, Mansfield, Ohio; Eugene W. Smith, Aurora, Ill.; A. J. Smith, Cedar Rapids, Ia.; T. E. Quisenberry, Mountain Grove, Mo.

Madison Square Garden was never more tastily decorated for the poultry show. Secretary Cleveland's color scheme of blue and white was carried out everywhere. The iron bridge work of the roof, the walls and the concessions were decorated in the same colors, producing a uniform and handsome effect.

Last year's trial of holding poultry lectures and giving demonstrations of various phases of poultry work was so successful that Secretary Cleveland omitted the usual cat show and devoted the concert hall to Poultry Education Work. Lectures and demonstration work was given by wellknown experts. The "Movies" too were used. Judging by the large attendance and the keen interest shown on the part of visitors the change was greatly appreciated.

The "Weather Man" was kind indeed and produced his very best brand. Throughout show week, with the exception of light rains on Monday, the weather was splendid, all that could be desired to bring out a large attendance, and it did, as all Garden Poultry Show attendance records were broken.

This report would not be complete without something regarding the man on whose shoulders rested the many responsibilities of this truly great exhibition. It was Chas. D. Cleveland's second experience in conducting the New York Poultry Show and the smoothness and courtesy with which the thousand and one details and the vast amount of work was carried out was greatly to his credit. Mr. Cleveland not only tried, but succeeded in his efforts to maintain the reputation and prestige of the show. Just to illustrate the tremendous amount

[Continued on page 367]



Sweepstake Winner Best Bird in Show  
First Prize White Wyandotte Cockerel at  
Guelph, Ont. Can. 1914 Bred & owned by  
Sid Saunders Ingersoll, Ont.

At the Madison Square Garden Show of Canada, Guelph, Ont., the above cockerel was winner of first prize and sweepstakes championship male. This is indeed an enviable triumph and in our opinion the individual is fully entitled to the honors. He is a well modeled Wyandotte having a good back and full round breast, also an excellent arched neck, giving him that desired style possessed by a true Wyandotte. Sid. Saunders, Ingersoll, Ont., has made wonderful records at this great Canadian Show, often having made a clean sweep of many of the classes. His birds are bred along the proper lines to conform to the modern Wyandotte type and possess vigor and stamina as well.—A. O. Schilling.



A. O. Schilling  
1915

FIRST PRIZE PENS C WHITE LEGHORNS MADISON SQUARE GARDEN NY FEB. 1915  
BRED AND OWNED BY RANCOCAS POULTRY FARM BROWN'S MILLS N JERSEY

Rancocas Poultry Farm, Brown's Mills, N. J., covered themselves with glory by their wonderful record in the S. C. White Leghorn classes this season at the recent Madison Square Garden Show. Their record of fourth prize on hen and first prize pen is deserving of much honor and consideration on account of the keen competition to be found here each year. The above group represents the first prize pen, which caused quite a stir and brought forth showers of congratulations to their successful owners. They were indeed a beautiful lot, well matched in size and form, possessing the elegance and finish required to win in this strong company. Rancocas Poultry Farm has been producing good Leghorns for years and raise them by the thousands to supply their trade throughout the country.—A. O. Schilling.

# PREPARE NOW FOR SUCCESS NEXT YEAR

NEXT YEAR'S SUCCESS DEPENDS UPON THE FLOCK YOU RAISE THIS SEASON. CHICKS OF DIFFERENT AGES SHOULD BE KEPT IN SEPARATE FLOCKS. THE REPORT OF THE MISSOURI CONTEST FOR JANUARY. RECORDS FOR THREE MONTHS WHEN EGGS ARE HIGHEST. SOME VALUABLE AND INTERESTING FIGURES TAKEN FROM THE LAST CONTEST. MEDIUM WEIGHT BIRDS BEST LAYERS

By C. T. PATTERSON,

Missouri State Poultry Experiment Station, Mountain Grove Mo.



THIS is one of the most important seasons of the year in the poultry yard, for it is during this season that the flock should be renewed. Much of your success next year depends upon the flock you raise this year. A little care now in selecting mating and incubating and brooding will do much towards making an active healthy, vigorous, profitable flock.

Upon placing the male with hens which have not had a male with them, the eggs become fertile in about three days and remain fertile for fifteen to twenty days after the male has been removed. If the eggs are infertile the birds should be examined. Collections of louse eggs on the base of the feathers or the accumulation of droppings on the feathers about the vent, often prevent the proper communication between male and female.

An 80% fertility and 80% of the fertile eggs hatching is considered a reasonable hatch. This means 64 chicks out of 100 eggs set or about 10 chicks out of a setting of 15 eggs. If the eggs are to be held before setting, they should be kept at a temperature of from 40 to 60 degrees and should be kept covered so that the albumen will not evaporate. When the chick comes out of the shell it is made out of the albumen or white of the egg and has used little or none of the yolk. If the albumen has evaporated too much, there is not enough material to build a chick large enough and strong enough to get out of the shell. This is one of the causes for chicks dying in the shell. This evaporation may take place either before or during incubation.

Early hatched pullets mature and begin to lay before winter begins. They make good winter layers and are good breeders the following spring, while the late hatched pullets do not lay before spring and if used in the breeding yard, produce a low per cent. of chicks which are small and weak.

It is advisable also to rear the entire flock as near the same time as possible, for in flocks where there are chicks of all ages the youngest ones seldom amount to anything. Then, too, if they are all reared in one brood it takes only a short time till the chicks are large enough that they need very little attention. On many farms only a small number are hatched at a time, requiring almost the entire summer of work and worry to renew the flock.

The indications are that the present Egg Laying Contest is going to be one of the most interesting and instructive contests ever held owing to the fact that the birds were raised under practically the same climatic conditions. The race so far is very even, the leading

pens for the three months of November, December and January, as well as the leading pens and hens for January, are scattered among the many varieties. The all-purpose breeds receive a large per cent. of the honors.

Following is the record made by the ten highest pens for the three months of November, December and January:

Pen 26	Buff Wyandottes	182 eggs
Pen 47	Buff Orpingtons	177 eggs
Pen 40	Barred P. Rocks	163 eggs
Pen 34	Barred P. Rocks	176 eggs
Pen 35	S. C. Reds	171 eggs
Pen 4	S. C. W. Leghorns	168 eggs
Pen 6	S. C. W. Leghorns	168 eggs
Pen 14	S. C. W. Leghorns	168 eggs
Pen 49	Black Langshans	167 eggs
Pen 36	Buff P. Rocks	176 eggs

Each pen contains five hens. The five Barred Plymouth Rock hens in pen 34 laid 9½ dozen eggs in the 31 days in January, or almost two dozen eggs each.

There are many questions which confront every poultryman. Some of these questions are easy to answer but others will perhaps never be answered definitely.

The following records were taken from the egg laying contest at this station which lasted from December 1, 1913, to December 1, 1914. These figures should not be considered as final, for no test should ever be considered definitely decided until it has been tried several times with the same results each time.

These records are given here to show the results of one experiment and show breed records instead of variety or strain.

### EGGS PRODUCED DURING EACH SEASON

Breed	Av. eggs		
	in Dec., Jan. & Feb.	A. eggs in Mar., Apr. & May	A. eggs in June, July, & Aug.
Leghorns	37.5	61.1	46.4
Anconas	39.2	62.4	45.1
Campines	30.0	55.1	36.2
Minoreas	18.8	59.4	47.3
Wyandottes	34.3	58.7	44.0
Reds	38.4	60.6	43.0
Rocks	30.2	62.4	45.3
Orpingtons	36.8	54.3	35.8
Langshans	28.0	58.4	40.1

	Av. eggs in Sept., Oct., Nov.	Av. eggs per year	Wt. of eggs in one year
--	-------------------------------	-------------------	-------------------------

Leghorns	20.0	165	21.76 lb.
Anconas	19.2	162	23.18 lb.
Campines	13.7	135	17.46 lb.
Minoreas	18.5	144	20.52 lb.
Wyandottes	38.0	175	20.20 lb.
Reds	25.0	167	23.37 lb.
Rocks	27.1	165	21.97 lb.
Orpingtons	21.1	148	20.07 lb.
Langshans	20.0	157	21.30 lb.



S. C. RHODE ISLAND RED COCKEREL  
WINNER 2<sup>ND</sup> PRIZE AND COLOR SPECIAL  
BOSTON JAN. 1915 BRED AND OWNED BY  
J. G. McLEAN SOUTH GLASTONBURY, CONN.

The New England States are a hot bed of Red Breeders which results in classes brimful of quality at Boston's big annual event. To win a first or second prize in such competition requires specimens of the very choicest quality. They must be top notchers in every way, and this applies to the cockerel shown in the above picture. He was a wonderful specimen for color while his type was very good, having a low carried tail and nice long level back. S. G. McLean, South Glastonbury, Conn., produced the cockerel shown above which won second prize and color special at the recent Boston Show. Mr. McLean advises us that he has been breeding this line of blood for many years and today he is producing a wonderful percentage of exhibition colored specimens from his matings. He has succeeded in this by careful selection and scientific breeding.—A. O. Schilling.

(Continued on page 361)



FIRST PRIZE PEN S. C. WHITE ORPINGTONS, MADISON SQUARE GARDEN N.Y. FEB. 1915  
BRED AND OWNED BY  
OWEN FARMS VINEYARD HAVEN MASS.

Quality in the S. C. White Orpington classes was probably the best ever shown at the Garden Show. The entry was a big one, containing seventy-nine single specimens and twelve pens. Owen Farms, Vineyard Haven, Mass., were again among the foremost winners and succeeded in capturing first prize pen, one of the most coveted honors to be had. It requires five first class specimens to make a winning pen and we are free to state, that the specimens shown in the above group were five beauties of the choicest quality in existence today. Owen Farms have always been among the leaders since White Orpingtons became popular in America and have been winning and supplying winners for the keenest competition from the very beginning. We have seen their flocks at home on the farm where they are reared by the thousands, on free range, permitting of a large selection to supply the demand for these big favorites.—A. O. Schilling.

# THE VALUE OF STANDARD BRED FOWLS

A SYMPOSIUM IN WHICH MANY WELL KNOWN BREEDERS TELL OF THE HIGH PRICES PAID AND RECEIVED FOR SO-CALLED FANCY FOWL. THE DIFFERENCE BETWEEN FANCY AND ORDINARY FOWL IS, THAT THE FORMER ARE SPECIMENS BRED BY EXPERT BREEDERS TO CONFORM CLOSELY TO THE REQUIREMENTS OF THE AMERICAN STANDARD OF PERFECTION. THE NEARER A SPECIMEN APPROACHES STANDARD REQUIREMENTS THE GREATER VALUE NOT ONLY IN DOLLARS BUT FOR BREEDING PURPOSES



O more strongly impress upon our readers the value of Standard bred fowl and the fact that quality is the factor that governs price in poultry breeding as in any other branch of the live stock industry, we prepared a list of eight questions which were sent to twenty-five well known breeders in all sections of the country.

The evidence presented here is based upon fact—the word of breeders known from one end of this broad land to the other: men who have established a reputation through honest dealing and hard and conscientious work in developing their breed or variety of fowls to such a stage of perfection that they were able to ask and obtain the extremely high prices mentioned herewith.

These breeders not only tell of the long figures received for stock—one, two or more specimens, but they also tell of the long prices they have paid for like numbers. It is the merit possessed by these specimens that has created the values, and when a well informed breeder makes a purchase of a bird of this kind he does so fully realizing the years of study and scientific breeding it has taken to produce this degree of perfection and he secures the bird for his own use to perfect some point in which his own line may be weak.

Without such a specimen to correct the weakness it might take years to breed it out. The investment may mean a changing for the better of the quality of the flock and on that basis the prices are not fabulous but may be said to be a conservative representation of the value received.

Up to the time of going to press, the following breeders have favored us with replies. These answers are numbered to correspond to the eight questions which are printed herewith:

## QUESTIONS

1. What is the highest price ever paid by you for a single specimen of Standard bred poultry? What was the highest price ever paid by you for two specimens purchased at one time? For three?

2. What was the highest price you ever paid for Standard-bred eggs for hatching? Please state number and price.

3. What was the highest cash price you ever received for a single specimen of Standard-bred fowl?

4. Why were you able to obtain the above named price, i. e., what special merit did the specimen possess? (If it had won prizes, state where and when.)

5. Please state highest average price you ever received for any three Standard-bred fowls of exhibition quality, sold by you since you have been in the poultry business? Please state variety.

6. Please state highest aver-

age price you ever received for any five Standard-bred fowls of exhibition quality sold by you since you have been in the poultry business? Please state variety.

7. Please state highest average price you ever received for any ten Standard-bred fowls of exhibition quality sold by you since you have been in the poultry business? Please state variety.

8. Please state highest average price you have ever received for any twenty-five Standard-bred fowls of exhibition quality sold by you since you have been in the poultry business? Please state variety.

H. C. Sheppard, Ancona Specialist, Berea, Ohio.

1. One hundred dollars; one hundred and ten dollars; one hundred and twenty dollars.

2.

3. One hundred and fifty dollars.

4. Won first prize at Madison Square Garden.

5. Three hundred dollars. Anconas.

6. Seventy-five dollars. Anconas.

7. Sixty-five dollars. Anconas.

8. Sixty-five dollars. Anconas.

I. W. Bean, R. I. Red Specialist, South Braintree, Mass.

1. (a) One hundred dollars. (b) Forty-five dollars. (c) Seventy-five dollars.

2. Six (6) settings, \$30.00.  
3. Two hundred dollars. Refused in 1910 one thousand dollars for Rose Comb Rhode Island Red cockerel, the famous "Sensation".

4. Superior exhibition qualities.

5. One hundred and fifty dollars each. R. C. Rhode Island Reds.

6. One hundred and fifty dollars each. R. C. Rhode Island Reds.

7. In 1910 I sold about 75 head of old birds and 40 chicks in Rose Comb Rhode Island Reds for two thousand five hundred dollars cash. This season I have sold 50 head of Rhode Island Reds, half Rose and half Single Comb, for two thousand dollars cash.

8. Answered above.

Grove Hill Poultry Yards, Waltham, Mass., Breeders of Barred Plymouth Rocks and S. C. Brown Leghorns.

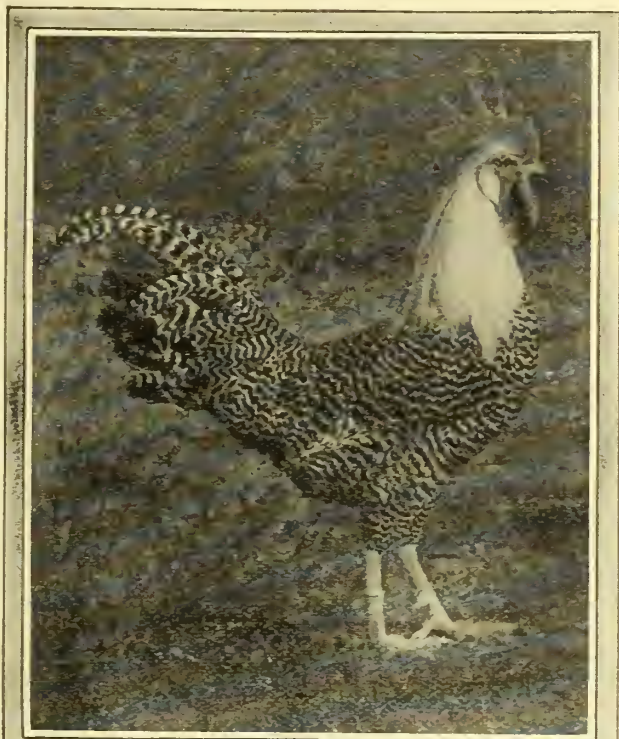
1. Two hundred dollars; two hundred dollars; three hundred and fifty dollars.

2. Have not purchased eggs for years, possibly ten dollars per setting years ago.

3. Two hundred dollars. Refused two thousand dollars for Crusader VII. Refused two hundred or more this season for birds.

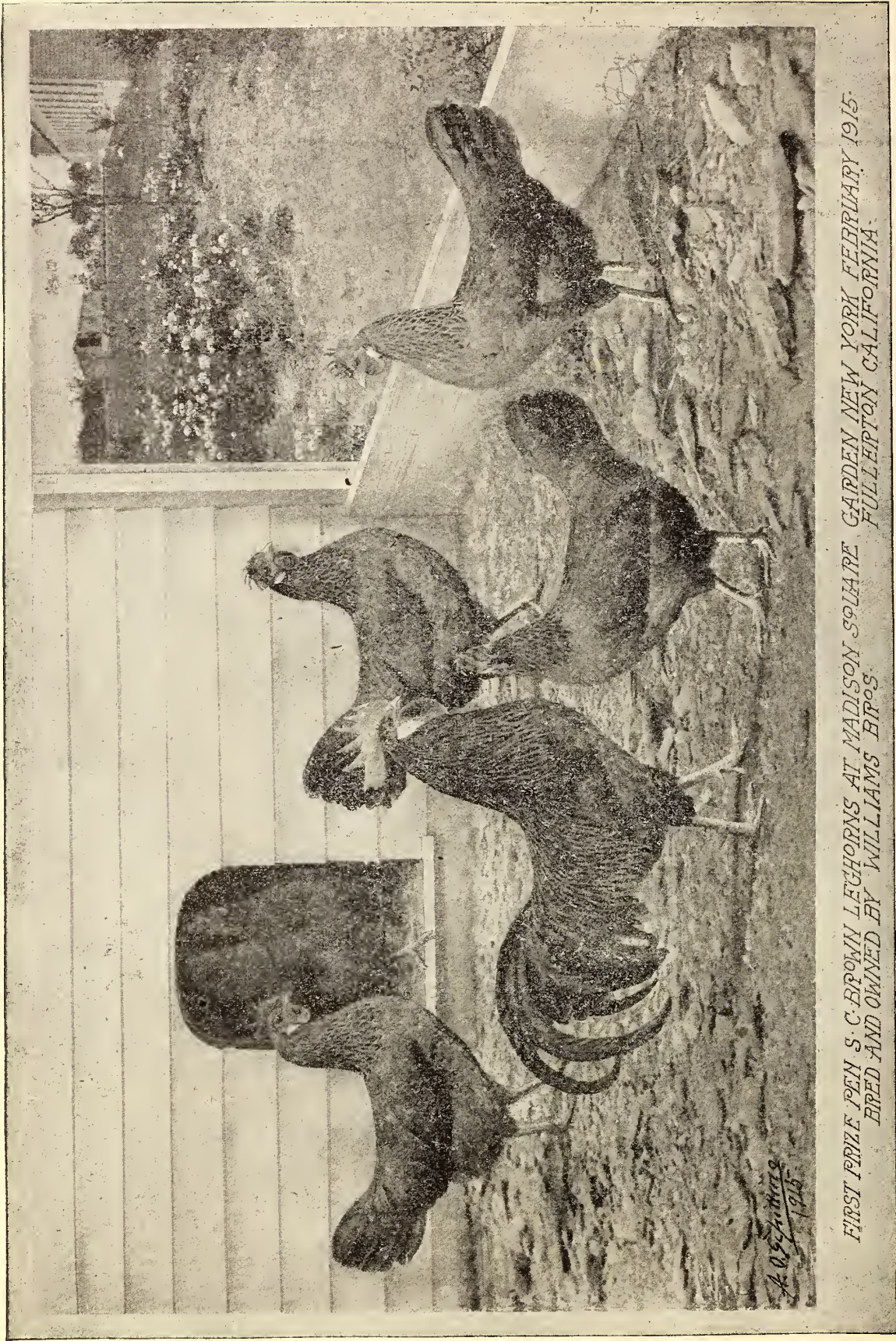
4. Breeding value, Crusader

[Continued on page 364]



FIRST PRIZE SILVER CAMPINE COCKEREL  
CHICAGO SHOW DEC. 1914 BRED AND OWNED BY  
FRANK E. HERING SOUTH BEND, IND.

Silvery White hackles on Campine males possessing strong breast and wing color, are a very rare quality at the present time, and for this reason a specimen possessing these combined color qualities may be considered almost priceless as a breeder as well as a show specimen. The above is a reproduction of Frank E. Hering's first prize cockerel at the recent Chicago Coliseum Show. He is a rare one in many ways and seems to stand out from most of the males we have seen this season. He has a pure white hackle, well formed comb, surface color and barring of the finest quality. Mr. Hering's "Green Sheen Strain" of Silver Campines are a superb collection as we have seen them in the show pen and at home on the farm where they are grown. Good combs, clear hackles, strong wings and profuse saddle feathers and tail coverts are being improved gradually each year under the guidance and mating of Mr. Hering who is producing many good ones annually and is a true admirer of the Silver Campines.—A. O. Schilling.



FIRST PRIZE PEN S. C. BROWN LEGHORNS AT MADISON SOLARE GARDEN NEW YORK FEBRUARY 1915.  
 BRED AND OWNED BY WILLIAMS BROS. FULLERTON CALIFORNIA

Williams Bros. were again on deck with a winning string of S. C. Brown Leghorns all the way from Fullerton, California. Their winnings on cocks were record breakers which constituted 1-2-3-5 prizes in this class alone. They also won first prize pullet and first pen. The above picture represents the winning pen which contained their usual grade of high quality specimens. These females had wonderful color good hackles and breast color, while the male leading the pen was a gem in many ways. He had a beautiful sweeping back, neat comb, nice smooth lobes and striping in neck and saddle of the finest quality. Mr. Williams advised us that each year they breed hundreds of youngsters which are strictly high class show specimens and enjoy a patronage among breeders throughout the country.—A. O. Schilling.



# THE INNOCENT EGG TESTER

WRITER BELIEVES MUCH DAMAGE IS DONE TO EGGS BY CARELESS HANDLING IN TESTING. ADVISES THE USE OF SUNLIGHT IN PLACE OF ARTIFICIAL LIGHT IN OTHER WORDS ADVOCATES DAYLIGHT TESTING. OF OPINION THAT HIGHLY CONCENTRATED LIGHT USED IN SOME STYLES OF TESTERS IS DETRIMENTAL TO THE DEVELOPING GERM. A SUBJECT WHICH SHOULD RECEIVE THE ATTENTION OF INVESTIGATORS. PREPARING FOR DAYLIGHT TESTING

BY W. A. WOLFORD



VISIT to the various poultry farms during the hatching season will disclose various ways of testing the eggs and also a varied assortment of egg testers, all of which imply the same principles, that is, the focusing of the rays of light to a certain point or opening before which the operator places the eggs, one at a time, to be tested.

The intensity of the light rays vary in strength in the various styles of testers now in use and we all understand that the stronger the light back of the eggs the easier it is to detect the condition of the contents, or in hatching eggs the condition of the germ if the egg be a fertile one.

## A SERIOUS QUESTION

In the opinion of the writer the handling of eggs that have been subjected to an incubating temperature for five days or longer, is a question that requires more serious consideration than it is usually accorded, as I firmly believe that herein lies one of the evils of artificial incubation, and no doubt many of the dead in the shell chicks about which so much complaint is heard and for which so many incubators are condemned would survive the incubation stage and hatch good, vigorous chicks if the operator exercised greater care in handling the eggs before the egg tester.

The purpose of this article is to raise the question of damage to the germ in testing and not to consider the quality of eggs or the method of incubation, therefore we will assume all eggs to be of average quality, that is, to contain an average per cent. of strong germs. The tester is brought into use on the fifth day in the case of white eggs and later for brown shelled ones, for the purpose of determining the per cent. of fertility and the strength of the germs, also to permit the removal of the infertile eggs and dead germs.

## THE GERM DELICATELY CONSTRUCTED

A large number of incubator operators fail to give consideration to the fact that the egg is delicately constructed as regards the life germ. While nature has taken due precautions to so locate the germ spot or blastoderm and surround it with delicate membranes that protect and preserve it in the ordinary course of events, she has not fortified it against the careless handling of our large army of incubator operators. We must here take into consideration that artificial incu-

bation is the work of man—man's effort to duplicate the natural process—and old "dame nature" was too busy at the time she constructed the egg to look forward many, many centuries and foresee man's carelessness in handling this delicate production, or she might have made other provision.

As writers on artificial incubation have in the main failed to attach much importance to the question of testing eggs aside from giving instructions how and for what purpose it is done, the question of light affecting the germ is a debatable one. But as we are all entitled to our own opinion and are permitted free expression of opinion I, for one, wish to say that I believe that a strong light is detrimental to the best development of the germ or embryo chick.

Scientists in their research work have discovered that certain rays of light may be used advantageously in the cure of certain diseases; also that certain germ diseases may be cured by subjecting the affected areas to the rays of light. In other words, light rays are used for the purpose of killing disease germs. Then, why will not the extremely strong artificial light used and advocated by some incubator operators effect the life germ during the early days of incubation when its formation is most delicate?

## A POWERFUL TESTER

Some months ago a Kentucky poultryman came forward in an article in one of the poultry journals and described a home-made tester for which he made strong claims. This tester was not only fitted with an electric bulb of high power but had, in addition, a concave reflector, and as he expressed it a double concave condensing lens. With this tester he claims that you cannot only tell if there is an embryo in the egg, but that the head and heart with the spinal cord connecting and the little legs dangling from the body may be plainly seen. No doubt but what his statements are true, but I, for one, would hesitate to place perfectly good hatching eggs before such a light as I believe the injury done to the delicate germ in doing so, would be equally as bad as some critical neglect during the incubation period. My opinion of this method of testing would be that it was a survival of the fittest, that is, only the exceptionally strong germs survive this trying ordeal. This, of course, is a debatable point, but until some one comes forward with conclusive proof that strong rays of artificial light does not injure the germ, I will stick to daylight testing.

[Continued on page 390]



Sixteen prominent breeders of Barred Plymouth Rocks exhibited the choicest of the season's productions in the cockerel classes at the recent Boston Show. It was an array of good ones and among the winners were some of the "best ever" according to the opinion of Barred Rock breeders in attendance at the show. Grove Hill Poultry Yards, Waltham, Mass., were represented in this class by a gem of a cockerel. In the opinion of many of those present he was worthy of higher honors than fourth place which was awarded to him. "He is the best individual we have ever produced", remarked Wm. Ellery Bright to the writer, and it will be remembered by those who follow the show records of large eastern shows that Mr. Bright, Proprietor of Grove Hill Poultry Yards has produced many winners at such shows as New York and Boston. The above picture is a faithful likeness of this cockerel. He had a very good type. His comb was well formed, while in color he was a very even and attractive shade throughout.—A. O. Schilling.

# AMERICAN POULTRY WORLD



DEVOTED TO THE

Upbuilding of the Poultry Industry  
in All Branches

GRANT M. CURTIS . . . . . Editor

WM. C. DENNY . . . . . } Associate Editors  
W. A. WOLFORD . . . . . }

CONTRIBUTORS: The best informed and most reliable men and women at work today in the broad field of Poultry Culture and advancement

STAFF ARTIST:  
Arthur O. Schilling.

## EDITORIALS

### NOTES OF INTEREST ABOUT AMERICAN POULTRY ASSOCIATION AFFAIRS

At the Madison Square Garden Poultry Show last month we had a good visit with S. T. Campbell, secretary of the American Poultry Association. Mr. Campbell reported that up to February 1st, 1915, four hundred and fifty-eight new life and associate members had been admitted to the association, which is only ninety-eight less than was added for the same period the year before, despite the general trade depression and the injury done to the standard-bred poultry business last fall and early winter by the quarantine for the foot and mouth disease.

During the same period the sale of poultry show supplies by A. P. A. was in excess of the 1913-1914 season. To be exact, the sales up to February 10, 1915, were \$4,733.87, whereas for the entire season of 1913-1914 they reached only \$4,670.90.

Asked about the early appearance of the 1915 edition of the American Standard of Perfection, Mr. Campbell said:

"We expect to receive the first lot of these books from the printers during March, or by April 1st, at the latest. Here are proofs of two cuts showing the attractive cover of the new Standard. The new book will contain about three hundred and fifty pages of the same size as the 1910-1912 edition and probably a dozen new breeds are illustrated, with full-page illustrations, both males and females. Immense pains have been taken in the preparation of the text, in the making of ideal illustrations and in editing the reading matter; therefore, I believe we can look forward confidently to a truly satisfactory guide to poultry culture."

Asked to whom credit is due, in the main, for the new Standard, Mr. Campbell said:

"All members of the committee with two exceptions worked earnestly and faithfully, first to last. Mr. Hicks was a good chairman. His main efforts were directed toward keeping the committee at work

and the whole proposition steadily on the move forward. He contributed numerous ideas for the improvement of the book, including text and illustrations, but it was as chairman that he rendered the most valuable service.

"I might say that the bulk of the work fell to W. C. Pierce, E. C. Branch and Arthur Smith. During the time that he could meet with the committee, W. S. Russell rendered highly efficient service. It is admitted that there is not a better posted general judge of poultry in the country, notably in the central west; but after our Atlantic City meeting, Mr. Russell moved to the Pacific coast with his family to locate permanently. After that he could not meet with the committee, but his work had been practically finished prior to his leaving for the coast.

"The actual editing of the 1915 Standard, as regards phraseology, grammatical construction, punctuation, etc., was done mainly by Mr. Smith. The new book represents the best information of Messrs. Hicks, Pierce, Russell, Branch and Smith, combined with all the help they could obtain from specialty clubs and individual breeders and judges—which help was of great benefit, first to last. We are to publish only five thousand copies of the book as a first edition, so that if errors in proof-reading or otherwise, creep in, they can be corrected before the second edition is published."

Mr. Campbell reported good progress in a number of states where former branches, so-called, are changing over to State members, under the new constitution and laws. Ohio has made the change; so has Massachusetts, Indiana, Kansas, etc. Iowa is making the change and so is Pennsylvania. Factional feeling has developed in Texas, but it is believed that this can be adjusted, with the help of the substantial breeders and friends of poultry culture in that progressive state. By next fall or mid-winter it is hoped that all changes of this nature now under way will have been completed, to the general satisfaction of the representative element in a large majority of the states and provinces.

A meeting of the judiciary committee of the American Poultry Association, consisting of President E. B. Thompson, Amenia, N. Y.; Frank E. Hering, South Bend, Ind., and the editor of this journal, was held in New York City, at the time of the Madison Square Garden Show and the main subject for consideration was the help that can and should be given to former branches of A. P. A. in their present efforts to change over to the new basis, under the new constitution and laws. Close attention was given to this important matter and plans were outlined for the secretary in handling correspondence and making personal visits. The hearty and sincere co-operation of all friends of poultry culture in the different states and provinces that have this problem to handle, is earnestly solicited by the head officers of the association, with a view to promoting the best interests of poultry culture throughout the United States and Canada.

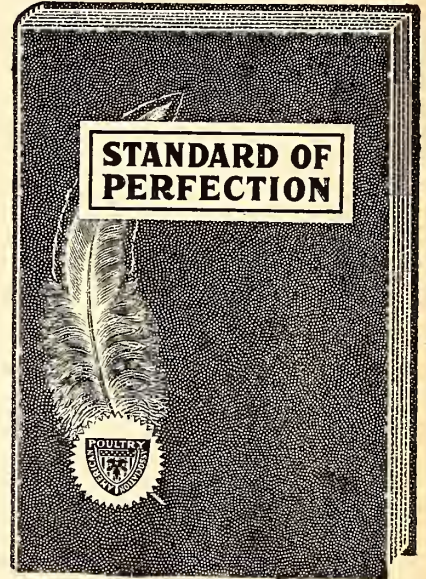
At the Garden Show we also met E. E. Richards, who in December, announced his candidacy for the position of president of the American Poultry Association. Mr. Thompson is not a candidate for re-election, having served two terms in succession. Asked about his intentions in the event of his election to this high office, Mr. Richards said:

"If I am elected it will be my policy to get in line all the strong, loyal men possible and to then work to the limit with them to make a great record for the association. I know what the responsibilities are, as a result of experience in association work; therefore I am not going at it blindly. Shall confidently rely on the hearty assistance of the many earnest workers in all parts of the country who, during the last seven or eight years, have placed the association where it is—with a membership of more than six thousand, whereas back in 1906-1907 it had less members than we now have in the single state of Ohio.

"Out in the central-west we are doing fine work and with bumper crops and war prices I know that

this progress can be continued. Iowa is changing her former branch into a State member and long, forward strides are being taken in Missouri, in Kansas, in Nebraska, in Illinois, in Indiana, in Wisconsin and elsewhere. Conditions appear to have been a bit slack in the south since the old-world war gave them a setback on cotton, but that condition has changed greatly for the better during the last three months and I believe we can count on a genuine revival in poultry interests throughout the south during 1916."

At the Garden the opinion seemed to prevail that unless there is a change of



1915 STANDARD.

The above illustration shows the handsome new cover design of the 1915 edition of Standard of Perfection that is to be the authority in placing the awards in the show room and the guide in the mating and breeding of all varieties of poultry, turkeys, ducks and geese for the coming eight years. The new edition will consist of more than 350 pages including 116 full page illustrations of standard ideals. It also describes the shape, size and color of more than 140 varieties of poultry. Furnished in either cloth or flexible leather binding. Copies can be obtained from A. P. W. offices at \$2.00 for cloth binding (post paid), \$2.50 for leather binding (post paid).

sentiment so far as this sentiment could be determined by expressions at the Garden, the membership of A. P. A. probably will vote to hold the fortieth annual meeting at San Francisco in connection with the Panama-Pacific Exposition. Messrs. Thompson, Campbell and Richards expressed this opinion to us. Just how strong their belief was we do not know. The nominating ballots for new officers and the place and time of holding the next annual meeting were sent out the second week of February, returnable in thirty days, and no doubt many of our readers will look forward with interest to learning what the preliminary wishes of the voting members are as regards the next place of meeting.

For the present no eastern or central-western city seems to be keen to secure the 1915 convention of the association. Probably the east has felt that San Francisco, on account of the big exposition, and the repeated invitations extended to A. P. A. by well-known Pacific coast poultrymen, has a strong claim on the members to vote for the Golden Gate city. On the other hand, it is certain that it will cost the A. P. A. twelve to fifteen hundred dollars more to hold this year's convention on the coast than it would if it were held in the eastern half of the country. Moreover, it no doubt

is true that if the association votes to hold the 1915 convention on the Pacific coast, the attendance will be comparatively small, on account of general business conditions and the fact that poultrymen are not flush these days, as a general rule. These two important elements should be given full consideration by members of the association who base their judgment on facts rather than on sentiment, even if the sentiment is altogether admirable, as doubtless is true in this case.

**POSITION OF AMERICAN POULTRY WORLD IN THE MATTER OF RETOUCHEDED AND UNRETOUCHEDED PHOTOGRAPHS OF FOWLS**

In the December, 1914, issue of this journal was published an article of some length dealing with the question of retouched photographs of prize-winning standard-bred fowl. In that article was an explanation of what legitimate retouching consists, in our opinion and we also outlined the policy of the "WORLD" in connection herewith. From said article we quote as follows:

"Legitimate retouching consists in making the photograph look as good as the bird really is. This is done to meet the requirements of the particular photograph. Sometimes a shadow needs to be removed from a comb, otherwise the comb will appear to have a hollow in it, which in fact does not exist. Often there will be ruffled feathers, or a loose feather protruding from the natural surface. These should be corrected. Frequently it is impossible to get a "posed" fowl to hold its tail in a natural position. Again, the average bird, unless well trained, will almost invariably crouch more or less and pull its feathers tight to the body. On this same account it is quite difficult to show a pair of legs under the bird in a truly natural position. If full justice is to be done to a fine Standard-bred specimen, these things have to be corrected by the artist, in one way or another.

"What may well be called illegitimate retouching, or 'faking' a photograph of a fowl, consists in so altering a photograph that the cut or illustration made from it will show a substantially better specimen than the living bird actually is or was.

"Occasionally during the last four or five years we have seen photographs taken by our poultry artists, also by commercial artists and even by so-called amateurs, that did full justice to the fowls, or practically so. Unfortunately, however, these pictures are still difficult to get, even by our most competent poultry artists, largely on account of the natural timidity of fowls and because of the unfavorable conditions under which the photographs, as a rule, are taken.

"As is known to our readers, a majority of the prize-winning birds illustrated in the poultry press of this country are photographed at winter poultry shows. The artists have a hard time to find places in the show halls where the light is good enough to enable them to take pictures that they can use at all. Often the days are cloudy and of course no provision has been made by the architects or owners of the buildings to furnish suitable studio quarters for the taking of photographs of fowls or of anything else.

"Furthermore, it is an exception where a Standard-bred fowl, if placed on a barrel or box, on a level with the camera, will not assume an awkward position, destructive of "standard" shape, with his or her feathers drawn tight to the body on account of fright. Either the specimen must be tame and well-trained or the photograph in some manner must be obtained when the bird is unconscious of the fact that his 'likeness' is being taken. In all such cases the photographer, or at least his assistant, must be a good judge of poultry, especially of Standard shape requirements, otherwise the man who presses the camera bulb will not know when the fowl is in correct position to show its shape values to advantage as a high class Standard-bred specimen".

Since the above-mentioned article appeared we have received a number of requests to publish cuts of fowls made by

artists not connected with the AMERICAN POULTRY WORLD, on the face of which cuts, or underneath same, as an inseparable part of the cut, words to this effect had been engraved: "Made from an Unretouched Photograph", or, "Made from an Absolutely Unretouched Photograph".

Half-tone cuts labeled in the same way have recently been offered for publication in the Reliable Poultry Journal; therefore, we deemed it advisable, in the best interests of all concerned, to prepare the following article, defining the position of A. P. W. and R. P. J. as regards the use, in these periodicals of illustrations made from retouched and unretouched photographs.

The past winter one or two poultry journals of large circulation adopted a rule that in future they will distinguish between all photographic pictures of choice fowls which they publish by printing under them, or on the face of the cuts, a statement of whether or not, according to their best opinion, the respective cuts were made from retouched or from unretouched photographs.

In cases where the editors believe the cuts have been made from unretouched photographs they propose to print underneath them, or to engrave on the face of the cuts such words as, "Made from unretouched photograph", or, "Made from an absolutely unretouched photograph", while in all cases of doubt, or where they believe that the photograph or photographs were retouched to any extent whatever, they intend to label the cuts by printing below them, as part of the footnote these words: "Made from a retouched photograph".

Of course, these editors will know what to do in every case where their own artists take the photographs and mount them in the usual form for the engraver, and they can also make sure, if they care

**RED SUSSEX**

The best of layers and table poultry. All firsts prizes Boston, all firsts Philadelphia. Illustrated mating list with full history of the breed, mailed free.

F. L. PLATT, SWANTON, OHIO



**RECORDS ARE FACTS**

That Cannot be Disputed

THE RECORDS OF

**THE GREATEST SHOWS**

PROVES THAT THE

**HALABACH STRAIN OF WHITE PLYMOUTH ROCKS**

LEAD ALL OTHERS

They again won 1-2-3-5 cock, 1-2-3-5 hen, 1-2-3-4 pullet, 1-3-4 cockerel, 1-2 old pen, 1-2 young pen as well as all specials offered at the Great Coliseum Show 1914-15. Can any Breeder Show a Like Winning in the same competition? Most decisively not. Birds for sale singly, trios, pens or by the hundred. Eggs from best matings \$12 per 15. Special mating and sales list free. Grand art catalog \$20.

H. W. HALBACH, Box 3, WATERFORD, WISC.

**GRAND 1914 RECORD**

Niagara Falls, January: 1, 2, 3 cocks, 1, 2, 5 hens, 1, 3, 4 cockerels, 3, 4, 5 pullets, 1, 2 pens. **Best Collection** (more places than all competitors combined) A. O. Schilling, Judge.

Cleveland, August: 1, 3 cockerels, 1 pen, 2, 3, 5 pullets, 2 hen, 4 cock. **Best Collection** (as many places as any 2 competitors). J. H. Drevestedt, Judge.

Niagara Falls, December: 2, 3 cocks, 1, 2, 3 hens, 3, 4 cockerels, 4 pullet. **Best Collection** (as many places as all others combined, although our birds were somewhat soiled) first cock also hatched from our eggs. Wm. McNeill, Judge.

**Best Collection** three times in succession under three different judges. Our customers are also winning.

Niagradot White Wyandottes are the hustling kind that fill the egg basket. Grand cockerels \$3.00, \$5.00, \$10.00. Catalogue free.

MARSHALL & MARSHALL, NIAGARA FALLS, CANADA



Buffalo 1st cock

S. C. BLACK LEGHORNS  
S. C. BROWN LEGHORNS  
S. C. WHITE LEGHORNS

**LEGHORNS**

SILVER LEGHORNS  
R. C. BROWN LEGHORNS  
R. C. WHITE LEGHORNS

BLUE RIBBON WINNERS AT NEW YORK, BOSTON, CHICAGO AND BUFFALO

We have just made another creditable winning at Madison Square Garden. Our 1915 mating list is free to you giving our matings complete from which we offer eggs at \$3.00 to \$10.00 per 15. Also baby chicks. We have some very choice, properly mated trios at \$20.00 each. If you desire the best in Leghorns you will eventually come to us.

TURTLE POINT FARM,

W. H. Manning, Owner,

W. M. Anderson, Mgr.,

SARATOGA SPRINGS, N. Y.

to go that far, that the engraver does not "tool" the face of the cut, thus adding contrast and high lights and also now and then helping out a comb or an ear-lobe, etc.; but one lamentably weak feature of this ruling to label EVERY CUT, one way or the other regardless, is the fact that when our editorial brethren come to classify the cuts made by other artists they are "up against it", in the sense that they do not know, nor can they find out to a certainty, whether or not the photographs actually were retouched by the artist or helped out by an engraver. In a good many cases they will have to guess at it, one way or the other. If they guess wrong, some one will be injured, then trouble will be at hand.

Still worse, the editors who are directing this crusade against "faked photographs" and "fake illustrations", as they call them, have not yet found a fair and practical way of discriminating between a slightly and properly (as we claim) retouched photograph and the rankest sort of a "built up picture" that is offered as a correct likeness of some particular winner, or is published as a true representation of the variety. For example, to label a masterly picture by Arthur O. Schilling or Franklane L. Sewell and class it with the crude, grotesque and absurd product of the veriest amateur, is grossly unfair, not alone to the capable artist, but also to the well-portrayed bird, to its owner and to the interested public.

It is not at all difficult for the AMERICAN POULTRY WORLD to outline its position on this question, nor do we hesitate in making it known. Fact is, we have occupied substantially our present position for several years, except that recent developments call for an addition or two, brought about the plan adopted lately by one or more artists of engraving on the face of the cuts certain wording (reading matter) that may or may not be objectionable to us from an editorial or publisher's standpoint, and of

also making the footnote (reading matter supplied by the artist or by the owner of the cut) an inseparable part of the cut itself.

First, it is right and honest that all illustrations of fowls that claim or that pretend to be true likenesses, shall do full justice by the bird, so far as is practicable, but shall go no further.

Second, to do less than full justice by a choice fowl, in illustrating it for the enlightenment of the interested public, would be unfair and is undesirable.

Third, photographic reproductions of valuable standard-bred fowl should be retouched as little as possible; in other words, the nearer the proficient and well-equipped poultry artist can come to doing full justice by each individual specimen without touching a brush, pen or tool to a negative, to the photograph or to an engraving, the better satisfied the interested public will be.

Fourth, but until photographic art, as manipulated by experts amid the conditions under which men like Mr. Schilling and Mr. Sewell must work at our poultry shows, is developed to a state where full justice can be done without retouching, these artists, in making illustrations of fowls for AMERICAN POULTRY WORLD and the Reliable Poultry Journal, will be directed to help out the camera to the extent of showing the individual fowls at THEIR TRUE AND FULL VALUE—no better and no worse.

Fifth, in cases where no retouching of any kind is required the artist or the owner of the fowl or fowls will be at liberty, so far as the two journals here named are concerned, to say underneath the cut, if desired, "Made from an unretouched photograph"; but IN NO CASE will either A. P. W. or R. P. J. slander a cut nor insult an artist or the owner of a bird by labelling it, "This cut was made from a retouched photograph". We would about as soon come out flat-footed and say: "This is a faked picture, made by a fake artist".

High-class photographic reproductions of standard-bred fowl are comparatively new. As late as 1905 our first illustrated edition of the American Standard of Perfection contained only pen and ink drawings, as they are called. In 1910 we tried half-tone reproductions, and in the last five to eight years, thanks principally to Messrs. Schilling and Sewell, remarkable progress has been made in obtaining truly excellent photographic reproductions of choice fowls with very little retouching of any sort, other than to distinguish the outlines of the birds from the background, to add or subdue unnatural and false high lights, to remove shadows, etc. We could give hundreds of illustrations of this kind that fully sustain the claim here made by us on personal knowledge.

But let it be said with all due emphasis that in our judgment the matter of first importance is to do complete justice by the bird, representing as it does the ACTUAL GOAL that fancier-breeders are striving so hard to attain; therefore, our instructions to Mr. Schilling, to Mr. Sewell, to Mr. Fry and to any other poultry artist who may do work of this kind for either the AMERICAN POULTRY WORLD or the Reliable Poultry Journal will continue to be: Exercise all possible skill and the limit of individual talent in your efforts to represent AT ITS BEST, JUST AS IS IT, no better and no worse, EACH BIRD that you photograph for publication in our columns. Pictures of this kind, as made by such men, will be fair to the industry, to the choice specimens portrayed, to the owners of the birds and to the general public. To accomplish that much under existing conditions, is good enough for us.

Referring again to this new practice of engraving any kind of wording other than the name or initials of the artist on the face of the cut, or of making the footnote an inseparable part of the cut, we must respectfully ask all AMERI-

## BYERS' ORPINGTONS

BUFFS, BLACKS AND WHITES

You can ill afford to ignore my ability to now serve you liberally in the finest exhibition birds, or the best possible layers in utility stock.

C. S. BYERS (Orpington Specialist 15 Years) HAZELRIGG, IND.



## TOMPKINS' RHODE ISLAND REDS

EVENTUALLY---WHY NOT NOW?



The test of the quality of any strain of fowls is not an occasional winner, but in repeated winnings year after year.

TOMPKIN'S REDS have proven their quality by winning year after year, for twelve years, at the leading shows including Madison Square Garden, The Palace and Boston. Not at one show each year but at several.

The production of repeated winners year after year is what counts, for it proves beyond a doubt that TOMPKIN'S REDS possess the correct blood lines, the lines that produce quality and quality is what you pay for and you expect when you buy an exhibition or breeding bird.

TOMPKIN'S STRAIN was established over 40 years ago by my father who was among the first to follow selective breeding and I have followed in his footsteps and kept blood lines intact. This is why TOMPKIN'S REDS have such high average quality. Why they are able to win year after year. They are a straight line of breeding, not a mixture of several lines.

I never had as fine a flock as this year, consequently I was never in better position to make selections for you. It makes no difference what price you pay I give the same personal and painstaking care in making the selection.

I give my personal attention to every detail of the business and you can rest assured that I will do my best to merit your satisfaction. If you want an exhibition or breeding bird I will guarantee to give you quality equivalent to the price asked.

My prices are reasonable. My service prompt. You need Tompkin's quality. Why not write today.

MY CATALOGUE IS FREE



LESTER TOMPKINS



Tompkins' Rhode Island Reds

CONCORD, MASS.

CAN POULTRY WORLD and Reliable Poultry Journal advertisers to instruct their artists NOT TO DO THIS, provided they intend to ask us to publish these cuts or duplicates of them in either of the journals here named. The point is, in this phase of the case, that we reserve absolutely the right to edit all statements made in these pages and it should be clear that conditions might easily arise where we would not be willing to say, nor to have this journal say, that a certain cut was made from an "unretouched" or from an "absolutely unretouched photograph".

Perhaps we would be entirely willing to let an artist say as much, if he was in good standing with the poultry public, and the same, no doubt, might easily be true of a poultry breeder, in his capacity as an advertiser; but in both cases we must ask to be left in a position to exercise editorial choice in the matter, rather than to have any artist or any breeder, speak for us, willy nilly, by engraving a statement on the very face of the cut—a statement that, perhaps, we would not be willing to endorse, nor be in a position to investigate.

Meanwhile our hearty and sincere wish is: The best of good luck to all poultry artists in their commendable efforts to so perfect their photographic equipment and to so develop their individual skill that any retouching of consequence may sooner or later become unnecessary, or practically so. In the meantime, all persons who furnish half-tones for publication in these columns that are, in fact, made from unretouched photographs, are at liberty to say so, underneath the cuts or

elsewhere, over their own good names, but in no case will we consent to label as being "made from a retouched photograph", any picture of a fowl that is to be published in this journal.

#### NOTABLE SUCCESS OF A FORMER TRAVELLING MAN IN STAND- ARD-BRED POULTRY BUSI- NESS

At the Madison Square Garden poultry show last month the editor of A. P. W. had an interesting visit with H. Cecil Sheppard, Berea, Ohio, specialty breeder of Anconas, and took advantage of the opportunity to get better acquainted with the Anconas, both the Single and Rose Combs.

The exhibit of Anconas at the Garden was large, including numerous choice specimens. In Single Combs there were twelve cock birds, seventeen hens, twenty-one cockerels, seventeen pullets and eight exhibition pens, a total of one hundred and seven specimens. In Rose Combs there were five cock birds, six hens, seven cockerels, six pullets and two exhibition pens, a total of thirty-four birds. In Single Combs there were fourteen different exhibitors; in Rose Combs, four different exhibitors.

At this sweepstake show, in competition such as the above facts indicate, Mr. Sheppard had considerably the best of it, winning as follows: In Single Combs, first, third and fifth cocks, first and fifth cockerels, third pullet and first, fourth and fifth exhibition pens; in Rose Combs, first, second, third and fourth cocks, first,

third and fifth hens, first, third and fifth cockerels, second, third, fourth and fifth pullets and first and second exhibition pens.

In view of the fact that the Anconas are not widely known and appreciated we asked Mr. Sheppard how he first became interested in them. Said he:

"I had been a travelling salesman for twenty years, holding a good position and drawing a good salary. Something put it into my head that I ought to try poultry keeping. I had heard more about White Leghorns than any other kind of thoroughbred fowls and I visited a small town in Ohio, my home state, on purpose to see a Leghorn flock and buy a few breeders. Arriving in this town I stepped into a general store to make a small purchase and overheard three or four men, strangers to me, talking about some one who had Ancona chickens. I heard what they said about the remarkable laying of these birds, which was the topic of their talk and finally I asked them where the man lived. Before I left town I had bought some of his Anconas, as a result of their attractive appearance and what the owner reported about their remarkable laying."

In reply to further questions asked by us, Mr. Sheppard continued, substantially as follows:

"That was nine years ago. The birds did well in my hands. They laid well and the chicks were active and hardy. Very soon I became interested in their standard qualities; that is, the typical shape and correct color and markings. Believing that I would have some surplus hatching eggs for sale, I invested ten dollars in a breeders' card in R. P. J. Later I contracted for twelve inches of display space and this year I am using two hundred inches of display space in the same journal. My flock grew rapidly until by the third year I was clearing as much profit as my salary had amounted to as a travelling man. This is an absolute fact, as my books will show. Since then I have worked up a trade that calls for about three thousand birds each season for breeding and exhibition purposes and I sell thousands of eggs each year for hatching.

"The Anconas came originally from Italy. They were imported to England in about 1852 and were brought to this country in 1895, or perhaps a year earlier. They have, therefore, been bred and 'fancied' in the United States and Canada for a period of about

# Victory at Boston, 1915

In competition with the leading breeders of the east and in the best show of Barred Rocks ever held in Boston

## Hawkins' Barred Rocks

Won 1st and 4th cocks, 1st and 2nd hens, 1st cockerel, 1st and 3d pullet bred cocks, 1st cockerel bred hen and 1st pen. *Grand sweepstake special prize for best display, \$100 silver cup for champion male*, special for *best colored male and female*, also ten other specials

## GREAT SWEEP AT CHICAGO

Last season in competition with 254 Barred Rocks, the *Aristocrats of the West*, winning 1st and 5th cocks, 1st and 3d cockerels, 1st pullet, 1st and 2d pullet bred cocks, 1st and 3d pullet bred cockerels, 1st cockerel mated pen, 2d pullet mated pen, *grand sweepstakes championship*, special for *best display of Barred Rocks*, specials for champion male, champion female, best colored male and female, best shaped male and female and four other specials, and this after shipping 1,000 miles. These sweeping victories stamp my

## Barred Rocks Champions of the East and West

*EGGS—From the World's Best Matings*—One setting, \$10; two settings, \$18; three settings, \$25; 100 eggs, \$50. *Winning Show Birds and Choice Breeders at Honest Prices. Big Catalog with the pictures of the champions from life, FREE.*

**A. C. HAWKINS,** Lock Box 30, LANCASTER, MASS.

twenty years.

"In shape and size you will note that the Anconas are quite similar to the Leghorns. The Standard weights are: Cock, 5½ pounds; hen, 4½ pounds; cockerel, 4½ pounds; pullet, 3½ pounds. I believe these weights are the same as those recently adopted for the Leghorns, as they will appear in the 1915 Standard. Personally, I would prefer to have the Anconas a little heavier than the Leghorns, but I am not objecting to the Standard weights for the breed as adopted by the 1915 revision committee. A smaller bird may mean a somewhat smaller egg, but the Anconas can stand this as they lay a remarkably large egg, their size considered. The egg shells are pure white, the same as those produced by thoroughbred Leghorns".

Anconas, both varieties, are mottled black and white in color of surface plumage. The body color of the feathers is lustrous black, but one in five, or about twenty per cent. of these feathers, should have small to fair-sized white tips or spangles. The white spots are more or less irregular in shape and size, but should be evenly distributed over the surface of the bird, including tips of hackle feathers, the back, wing-bow, breast and body feathers, also the main tail feathers, wing-flights and wing-secondaries, though perfection of this kind in all sections is still to be achieved by careful selection and persistent effort. In the interests of beauty, the black, except in breast and body sections, should show a lustrous green, described in the Standard of Perfection as "lustrous, greenish black". Standard color for breast and body sections is: "lustrous black", with the specified number of feathers tipped with a white spangle. Said Mr. Sheppard:

"Yes, the Anconas, both varieties, breed remarkably true to color, so it seems to me, as a result of the long time they have been in existence as a distinct breed. They were bred to a standard in England twenty to thirty years before they were imported to this country, although the English prefer a coarser bird than is our choice. For myself, I have found that the medium-weight Ancona, both varieties, is the best layer.

"Speaking of their laying qualities, the Anconas have ranked high indeed in the different national egg competitions. At this show, for example, I had a talk with Mr. Quisenberry, director of the Missouri National Egg Competition. He told me that in this test the Anconas made the greatest net profit. This was figured on the basis of the number of eggs they laid, the market prices at the time the eggs were produced, on the amount of food they ate, etc. Figured on this practical and sensible basis, they earned the most money per bird, nearly all other breeds and varieties being in competition".

The Single Comb Anconas are in greater demand than the Rose Comb variety, so Mr. Sheppard stated. In his opinion this is because they are better known, being bred by a larger number of poultrymen and more extensively advertised. Mr. Sheppard himself seemed to rather favor the Single Combs, as regards their attractiveness and this seems to be the general opinion among Leghorn and Minorca breeders. It is certain that a shapely, solidly, upright, well-serrated single comb is an attractive addition to

the sprightly male birds of the Mediterranean class.

There are two Ancona clubs in active existence, the International Ancona Club and the United Ancona Club. The value of well-conducted specialty clubs is of great importance in winning popularity for a breed or variety and in perfecting the birds to which these clubs are devoted. Enterprising breeders of standard-breed fowl, without exception, should identify themselves with the clubs that are working along these lines.

Mr. Sheppard's experience and success furnish an impressive example of what can be accomplished in the standard-bred poultry business by a man who is fond of high-class fowls and who greatly enjoys the work of helping to perfect them. In a case like this it is not a question of good times or of general business depression. General business, in this country, has been really good during only two years of the period that Mr. Sheppard has been actively engaged in

the breeding and sale of Anconas. These two years were 1910 and 1911. Back of that we had the panic of 1907 and two years of severe depression, meaning 1908 and 1909.

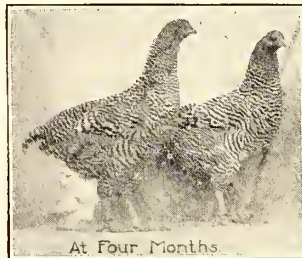
Early in 1912 most businesses in this country suffered a bad setback, largely on account of a change in government policies, threatened or real, and last summer when the "new freedom" programme was about completed, the old world war came along to disturb greatly all business plans and prospects in the United States.

Yet it was during identically this period that Mr. Sheppard won success! Moreover, it should be borne in mind that he was handicapped, in greater or less degree, especially at the start, by having taken up a comparatively unknown breed. He selected his breed not by design, but by accident. Up to the time he landed in the small Ohio town in quest of White Leghorns as "good layers", he had never heard of Anconas.

**PREMIER WHITE WYANDOTTES** "The Kind You'll Eventually Buy,"  
 ARE AGAIN CHAMPIONS AT THE MADISON SQUARE GARDEN OF CANADA, GUELPH, DECEMBER, 1914.

Best cock, hen, cockerel and pullet, best display. Best cockerel and pullet, best cockerel any breed. Best male any breed, sweepstake for best bird in the show (5000 entries) beating New York and Boston winners.

**SID SAUNDERS, Box B, INGERSOLL, ONT., CANADA**  
 Sec.-Treas. and Life Member Canadian White Wyandotte Club.



At Four Months

**Golden Rule Barred Rock Yards**

My birds have fine heads, good wings, low tails, yellow legs, clean cut narrow barring to the skin. Six firsts, 5 seconds, 2 thirds, 2 fourths, 2 fifths, 4 specials on 24 entries at four shows this winter. Some choice cockerels at fair prices.

EGGS BOTH MATINGS \$3.00 PER 15.

**G. N. COLE,**  
 263 Breckenridge St., BUFFALO, N. Y.



**RICH'S FAMOUS ROSE COMB REDS**

Winners at Chicago, St. Louis, Des Moines, Sioux City, Cedar Rapids, and in the hands of our customers in every State of the Union.

Our latest winnings are 4 firsts, 4 seconds, 2 thirds and fourths, two silver cups, silver medal, Diploma, Special for best display and for best Red in show.

No Rose Comb Red breeder in the world has made greater winnings for a period of eight years than we have. We have the blood lines, large long bodied birds of grand color.

Write today for mating list, the finest matings and egg prices most reasonable. One man from a big show writes: "Your strain has been winning here for years, I want some of your eggs."

**D. W. RICH Box W MT. PLEASANT, IOWA**

THEY'LL GO FAST **EGGS AND CHICKS** ORDER EARLY.

FROM THE STRAINS THAT WIN

**WILBURTHA S. C. WHITE LEGHORNS**

Eggs from pens headed by blue ribbon winners, \$10 per 15 eggs; chicks \$18 per doz. From other selected pens headed by prize winning males, \$5 per 15 eggs; baby chicks \$9 per doz. Guaranteed utility hatching eggs \$3 per 15, \$10 per 100, \$70 per 1,000. Chicks \$17.50 per 100, \$150 per 1000.

This season our birds after defeating all the largest Western breeders. Such is their record continuously. strong and healthy and guaranteed to arrive safe. Send and security in dealing with Wilburtha Poultry Farms.



**WILBURTHA COLUMBIAN WYANDOTTES AND S. C. BUFF LEGHORNS.**

Eggs, Columbian Wyandottes from championship matings, \$10 per 15; from other high grade pens \$5 per 15. Utility eggs \$10 per 100. Chicks \$18 and \$10 per doz. and \$25 per 100. Eggs Buff Leghorns from selected pens, \$5 per 15, other eggs \$3 per 15. Utility hatching eggs \$7.50 per 100, chicks \$10 and \$6 per doz. and \$18 per 100.

breeders in Eastern shows, traveled all the way to Chicago and Indianapolis and defeated all the largest. Infuse this blood into your flock. Buy our hatching eggs—guaranteed 80 per cent fertile. Buy our chicks—for our artistic catalogue, just off the press—and mating list. Both free. Order early. Learn the satisfaction Buy our stock and make a name for yourself. Write today.

**CHAS. J. FISK, OWNER,**

**Box W,**

**TRENTON JUNCTION, N. J.**

The very fact that the Anconas were comparatively unknown, became a chief advantage in the hands of Mr. Sheppard. In one sense he had a clear field. Today this breed has two clubs to boost for it and it is evident that the popularity of the Anconas is going to increase steadily. They are decidedly attractive in appearance and should be in demand as prolific layers in localities and under conditions where white plumage becomes soiled and proves unsightly. Meantime, Mr. Sheppard has developed a business on a proprietorship basis that pays him in net profits a good deal better than did his position of travelling salesman, after he had worked in that profession for twenty years. That he is glad he made the change, is a foregone conclusion.

**DOWN-TO-DATE SAMPLES OF LEGITIMATE RETOUCHING OF PHOTOGRAPHS OF STANDARD FOWLS**

On pages 342 and 343 are two examples of the character and extent of retouching of photographs of choice specimens of standard-bred fowl that the AMERICAN POULTRY WORLD believes is both legitimate and desirable, under existing conditions. By such conditions we mean, of course, those under which poultry artists have to work at the fall and winter exhibitions, where ninety per cent. or more of the photographs are taken.

First, note the unretouched print (Fig. 1) of Mr. Halbach's first prize White Rock cockerel at the last Coliseum Show, Chicago, as taken by Mr. Schilling in an improvised coop or "corner" in the Coliseum building. With one hand the artist has posed and is guarding the bird; in the other he holds the bulb to the camera, ready to "snap the picture" the second the pose suits him, or appears to be as good as he can get under such conditions.

Figure 2 shows this same "print" in the form of a half-tone cut, decorated and lettered, ready for publication. By "decorated" we refer to the simple but attractive border design. Study these two pictures and you can see what "retouching" was done by the artist. First, his own finger was obliterated; then the background was darkened in order to give greater contrast to a perfectly white fowl. Additional to this the apparent shadows on the comb, which in fact are two tufts of the head or skull feathers sticking up—these shadows were removed in justice to the bird, the owner, the judge who placed the award and the interested public.

Next, the back line of the neck is brought out clearly, by removing the shadow in that section. Nothing is added to the neck, nor to the back outline; what is there, however, as seen by the artist, also in the negative or "print",

is brought into plain view—as it should be.

Not much else is needed to be done to this photographic print. It is evident that Mr. Schilling went over the actual surface of the bird and cleaned up several small shadows, thus giving the specimen credit in the finished picture (Fig. 2) for its actual pure whiteness. These small shadows are the result of mused plumage in handling and of a stronger light coming from one direction that reached the same spot from the opposite direction or at a right angle. The lower breast also is smoothed up a bit, where the feathers had been ruffled—and why not? Nothing was added to this section and if the artist had had hands enough, he could and would have passed his open palm down over these slightly mused feathers, just before he pressed the bulb.

**BUT THE BIG AND GOVERNING FACT IS, THAT THIS SO-CALLED "RETOUCHED" PICTURE, AS SHOWN IN FIGURE 2, POSITIVELY DOES NOT PORTRAY A BIRD THAT IS ONE WHIT BETTER THAN WAS THE LIVE SPECIMEN ON DISPLAY AT THE COLISEUM SHOW, THE WEEK THAT HE WAS AWARDED FIRST PRIZE IN HIS CLASS AND WAS PHOTOGRAPHED WITH ALL DUE CARE BY ARTIST SCHILLING.**

For the second example we have taken a photograph and a retouched picture of a Barred Plymouth Rock—A. C. Hawkins' first prize hen at the Boston show, January 12-16, 1915, and the bird to which the judge of Barred Rocks at the Boston exhibition gave the "color special" for females in this well-contested class.

It would be difficult for even an unprejudiced person to realize how hard it is to obtain a good, clear photograph of a combination of colors like that possessed by a prize-winning Barred Rock. The same is true of numerous other particular varieties, including, as examples, the Partridge and Silver Penciled varieties. It is practically impossible to secure a life-like, full-justice photograph of the black and dark bay or reddish colors of the Partridge Cochins, the Partridge Wyandottes, the Cornish fowl, etc., or of the black and gray of the Dark Brahmas, the Silver Penciled Plym-

outh Rocks, and a dozen other popular varieties. Either the best possible photographs of these numerous important varieties must be retouched by a competent artist, or to publish them as true likenesses would be both an injury and a joke.

Mr. Schilling's photograph (Fig. 3) of Mr. Hawkins' beautiful first prize and color special hen at this year's Boston show, is a good one—about as good as can be obtained at a winter poultry show in the best light available; yet it positively does not do justice by the specimen, nor by its proud owner—the man who produced it after years of careful, skillful mating.

The dullness or weakness of the light in which this picture had to be taken shows in all sections of the bird, as reproduced in Figure 3 herewith. On the contrary, the light bars of this particular bird were as bright as a new silver dollar and the dark bars were a distinct bluish-black, free from any hint of brownish tinge and metallic lustre.

Observe, also, the dark or black shadows on the surface of this bird, as represented in Figure 3. Down the back of the neck and at the rear of the body are unavoidable shadows, the latter extending well forward along the natural groove or indentation where the wing is folded and joins the body fluff. As a matter of course, this difference in surface color did not exist in the living specimen—very far from it, otherwise she might have lived to be a hundred years old and would never have secured a color special in the Barred Rock class at a well-patronized New England sweep-stake show.

To ascertain what Mr. Schilling felt at liberty to do as regards retouching the "print" shown in Figure 3, not alone in bringing out the true value of the surface color of this remarkably fine spec-

**500 COLUMBIAN LEGHORNS**

All brothers and sisters to New York, Boston, Baltimore, Providence winners. EGGS after March 1st, \$5.00 per 15.

**PROF. JOHN EVANS,**  
Chestnut Grove Poultry Farm  
CRANSTON, R. I.

**F. E. HARRISON'S**

**"Royal Red" S. C. R. I. Reds**

won ten out of twelve firsts in the last two Chicago Shows, in two of the largest classes of Reds ever shown in America.

Seventy acres devoted to the one breed. Best proposition on eggs ever offered. Catalogue free.

**F. E. HARRISON, Box A, MENOMINEE, MICH.**

**PARTRIDGE ROCKS OUR LATEST GREAT WIN BRONZE TURKEYS**

AT PITTSBURGH, PA., JANUARY, 1915.

**Bronze Turkeys**—Cocks, 1-2-3-4; hens, 1-2-3; cockerels, 1-2-3-4; pullets, 1-2-4-5, all club and show specials. This was the National Bronze Turkey Show.

**Partridge Rocks**—Cocks, 1-2-3-5; hens, 1 2-3; cockerels, 1-3-4; pullets, 1-2-3, and all specials.

**MADISON SQUARE GARDEN, FEBRUARY, 1915.**

**Partridge Rocks**—Cocks, 1-2-3-5; hens, 2-4; cockerels, 2-4; pullets, 3-4; pen, 1-3. Also special for best display and more points than all competitors combined.

The Best Breeding Stock and Greatest Winners For Sale. Eggs from Best Matings. Send for Mating List and Prices.  
**BIRD BROS., Box 14, MYERSDALE, PA.**

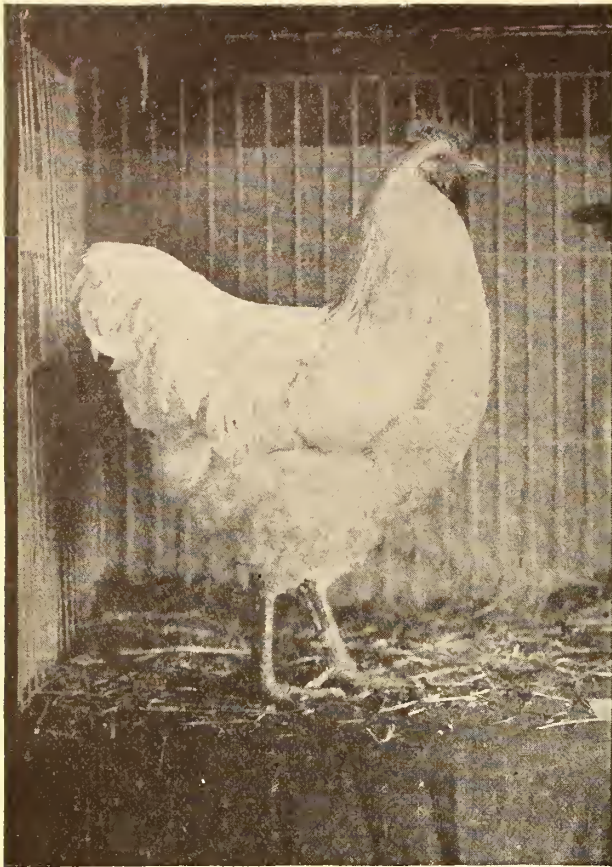


Fig. 1.—Photographic print of the H. W. Halbach first prize Chicago White Rock cockerel that was "retouched" by Artist Scilling to enable the engravers to make the cut shown herewith as Fig. 2.



Fig. 2.—Half-tone reproduction of cockerel shown in Fig. 1, after the artist had darkened the background, removed certain shadows, etc. See explanatory article, page 341.

imen, but also in lightening up the background to improve the contrast and thus help the appearance of the bird, carefully examine Figure 4 herewith. At Boston we handled this hen in company with Mr. Hawkins and instead of Figure 4 being overdone in any way, the fact is, in our best opinion, that even the so-called retouched photograph (Figure 4) fails to do the bird full justice. Certain it is that this illustration does not flatter Mr. Hawkins' hen unduly, a statement that we believe the judge at Boston and every Barred Rock exhibitor who saw this bird at the Boston show would cheerfully confirm.

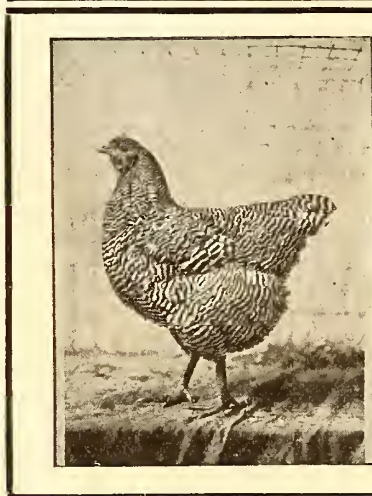
To publish such "reproductions" as are shown herewith marked Figures 1 and 3, would call for an apologetic footnote in every case, explaining the defects of such illustrations, PROVIDED simple justice was to be done to the birds, to the owners and to the interested public. Rather than to adopt as absurd a position as that, we much prefer to have associated with us such men and artists as Arthur O. Scilling and Franklane L. Sevell, and to have them exercise their skill to the limit in doing full justice in their reproductions of prize-winning standard-bred fowl, each to put individual conscience into his work and then to endorse it personally before the public by signing his own good name.

**BREEDERS OF STANDARD FOWL.  
CAN AFFORD TO PAY THE  
HIGHER FEED BILLS.**

Just what is going to happen to the prices of staple grains in this country during the next three to six months, no human being can foretell. Up to this time the prices of wheat, corn, oats, etc.,

have acted in a sane manner, all things considered, but at present there are indications that these prices, instead of going higher, as has been generally predicted, may have reached their height, at least for some time to come.

February 5th to 10th the editor of A. P. W. was in Chicago, the main object of his visit being to consult grain



**TWENTY-SIX PRIZES  
AT BOSTON.**

Look elsewhere in this issue for **IVANHOE**, the favorite Barred Rock cockerel shown at Boston. He is the type and color we are breeding in Barred Plymouth Rock males. Also note the type of our exhibition females. Shape special at Boston on female January 1915. Best display on S. C. Brown Leg-horns at same show.

**Grove Hill Poultry Yards,**

Box 804, WALTHAM, MASS.

W. E. BRIGHT, Prop.

F. G. COOK, Supt.

**COME TO HEADQUARTERS IF YOU WANT THE BEST IN DARK CORNISH**

Eggs from six unrivaled pens for the 1915 breeding season. Exhibition stock for sale at all times. STAMP BRINGS MATING LIST.

IDEAL DARK CORNISH YARDS,

DR. W. A. LOW, Prop.,

CATONVILLE, MD.





Fig. 3.—Photographic print of the A. C. Hawkins, first prize and color special Boston hen that was "retouched" by Artist Schilling to enable the engravers to make the cut shown on this page as Fig. 4.



FIRST PRIZE BARRED ROCK HEN AT BOSTON SHOW JAN. 1915 BRED & OWNED BY A. C. HAWKINS LANCASTER, MASS.


Fig. 4—Half-tone reproduction of Barred Rock hen shown in Fig. 3, after A. P. W.'s artist had lightened up the background, removed the dark shadows on neck, rear body, etc.

buyers in that market and to decide whether or not it would be good business for a leading poultry food manufacturer to invest further in wheat and corn, with the idea of using these grains in making poultry foods to be sold during March, April, May and June. Top quality wheat was then selling at \$1.64 to \$1.67 per bushel on the Chicago Board of Trade and corn was bringing 79 to 80 cents per bushel.

Trustworthy members of the Chicago Board of Trade—men who have been identified with this body fifteen to thirty years—strongly advised us to keep out

of the market at the then prevailing prices. They were of the opinion that these prices had then "about reached the

limit", or at least were so high that in view of the numerous uncertainties it would be bad judgment to expect a suf-



**JENNINGS S. C. BLUE ANDALUSIANS**  
WINNERS AT  
**MADISON SQUARE GARDEN, BOSTON and CHICAGO**

By combining England's best with America's best, I have produced the ideal business hen of today—early maturing, heavy laying, unexcelled for fancy and utility. The quality of the birds I have and sell is proven by the winnings they have made for myself and customers. Write me your wants.

**Eggs From Special Mated Pens—Prices Right.**

**WM. ORLANDO JENNINGS, BUFFALO, N. Y.**

**"They Were Bred at Rancocas"**



1st Cockerel, New York State Fair, 1914



1st Hen, Madison Square Garden, 1913



1st Cockerel, Madison Square Garden, 1913



1st Cockerel, Grand Central Palace, N.Y., Dec., 1913



1st Pullet, Grand Central Palace, N.Y., 1914



1st Pullet, Grand Central Palace, N.Y., 1914

**"They Were Bred at Rancocas"**

**You Too Can Win—Use Rancocas Eggs**

Our birds are well-mated and all our best yards contain birds that have won important prizes at the world's leading shows. Now is the time to place your order for hatching eggs. Rancocas Quality Hatching Eggs can be supplied promptly. Prices range from \$2 and \$5 up to \$10 a setting; special prices on

100-lots. For raising the quality of your own stock we can supply you at reasonable prices with choice birds that will produce you winners. Send for our illustrated catalogue.

**Rancocas Poultry Farms, Breeders of Quality White Leghorns and White Rocks, Box 610 Browns Mills, N. J.**

ficient further advance to make it worth while to take the chance.

At that time little or nothing had been heard about the "war zone" around the British Isles and not a word had been published about a successful attack on the fortifications of the Turkish Dardanelles, a main object of which is to release the large surplus of wheat now held in Russia. There had been some "peace talk", but nothing of importance; yet the grain buyers and speculators in Chicago were "timid to a degree", their idea being that a change for the worse—as they view the situation—could "happen so easily" that they had decided to "lay low and keep hands off".

Since then practically three weeks have elapsed and to date the general view above expressed "has come true", so to speak. Wheat prices have been decidedly erratic, although they have held to the former high level fairly well. Tuesday, February 23rd, they dropped off seven to eight cents per bushel, but the next day they made a recovery of about half this decline. Still the prices now (February 25th), both for wheat and corn, are somewhat lower than they were the first five days of February. This is not what was generally expected back in January and it would appear that the outlook for a further advance in wheat and corn prices during March, for example, is none too bright. To state why, would be to quote daily newspaper despatches, which is unnecessary in this connection.

But what we started out to say in this article, is that the breeders of standard-bred fowl are not nearly so much concerned about the higher prices of poultry foods as are the so-called utility poultrymen—those who are keeping large flocks with the principal object of selling eggs for market purposes. Just how much an increase of thirty to forty cents per hundred pounds in the price of poultry foods affects them, is a question for them to decide. On the other hand this increase in the cost of poultry foods is of far less importance to breeders of standard-bred fowl who obtain ten cents

to one dollar each for hatching eggs, fifteen cents to two dollars each for day-old chicks and three dollars to one hundred dollars each for breeding and exhibition fowls.

What interests the standard-bred breeder to a much greater extent than the matter of thirty, forty or fifty cents per bag more in the price of poultry foods, is the effect that the old-world war may have on his market—on the demand for his surplus hatching eggs, day-old chicks and breeding stock. This effect was decidedly adverse last August, September and October, no doubt about that. But by Thanksgiving this effect, except in the all-cotton states, would have been negligible, as a general rule, had it not been for the country-wide scare over the foot and mouth disease, with the severe and ill-defined quarantine which, in numerous states and counties, was extended to live poultry, without good reasons. The Federal Government placed no quarantine on the transportation of live poultry, but several states and numerous counties did do so.

Notwithstanding these far-reaching disadvantages, the standard-bred poultry business, since December 1st, 1914, has improved steadily—rapidly, in fact, until during the last sixty days there has been much less ground for serious complaint. Unquestionably the standard-bred poultry business has been, and is, ONE OF THE FAVORED LINES OF TRADE during the present period of general business depression. Next to the farmer, the stock raiser these days is most fortunate and we believe that among stock growers no one else is better off than the poultryman, especially the breeder of standard fowls who has for sale a goodly surplus of breeders, hatching eggs and day-old chicks. We would not say this if we did not believe it to be true and we leave it to our readers to size up the situation for themselves, each one of them to disregard or affirm our conclusion, according to his own knowledge and judgment.

Our firm conviction is that thus far, and as compared with many other lines

of trade or industry, the breeding, exhibiting and sale of standard-bred domestic fowl has proved to be a GOOD BUSINESS TO BE IN during these trying months when the great nations of the old world are engaged in the most tremendous struggle of all history. It is indeed a time for putting thought into your daily efforts, for planning each

## Essex Imports and Breeds SPECKLED SUSSEX

The Coming Popular Fowl Just  
Admitted to the Standard  
Get In At The Start—  
NOW

### The Speckled Sussex Fowl

has been bred in England for 2000 years or so on account of its superior table qualities. It is the best fowl that enters the London market. Large, meaty, light in bone, extremely vigorous, great layers, and the most beautiful fowl that has been admitted to our Standard for years. Fanciers are getting excited over them and they are destined to be the paying breed during the next few years.

My recent importations are said to be the best that have ever been brought across the Ocean. Get the best, get them now, and share the profits with those who take up this splendid breed.

### NEW YORK WINNINGS

A New Record at Madison Square Garden

At the February Madison Square Garden Show I made the greatest winning ever made at that Show on Speckled Sussex: **1st pen, 1st cock, 3rd hen, 2nd cockerel, 3rd cockerel, 2nd pullet, 3rd pullet, Club Special, \$25 Gold Special Best Display.**

Write stating your wants and get my free catalogue giving the interesting history of the 2000 year old Speckled Sussex fowl.

## ROBERT ESSEX

660 West Ave., Buffalo, N. Y.



## Fashion Plate Buffs

*Burn River of Doubt and Capture Diamond Trophy  
at Chicago Coliseum, 1914*

Along with five firsts, two seconds, five thirds and eight silver cups that add brilliancy to the beautiful stone. Breaking their own record made here in 1909, 1910 and 1911. Then read our unbroken performances at other Great Shows, Greater New York, Cleveland, Indianapolis, Louisville, Nashville and Memphis.

**30 Yards Mated for 1915**—You lose if you place your order for eggs before seeing the Latest Edition of the Fashion Plate Book—60 pages, prize winners in natural colors, it's free and ready to mail.

Stock in full assortment in anything you desire or require.

**A. E. MARTZ & SON, Buff Orpington Specialists, Box E, ARCADIA, IND.**

step carefully and to work harder than ever, with a determination to improve every legitimate advantage in the way of better methods, skilful mating, economical feeding, conservative advertising, etc., etc. Meanwhile, we feel that the competent, painstaking breeder of standard-bred poultry has a great deal for which to be thankful. We repeat, that in our opinion, he is engaged in one of the favored lines of trade and production during this period of unprecedented conditions and astonishing developments.

**E. B. THOMPSON EXCELS ALL PAST EFFORTS AT THE MADISON SQUARE GARDEN SHOW.**

At New York City's annual sweepstake show, held in Madison Square Garden, February 12-17, 1915, E. B. Thompson, Amenia, N. Y., specialty breeder of Barred Plymouth Rocks and originator of the world-famous "Ringlet" strain, placed the cap-sheaf on his thirty years' successful career as one of America's truly great breeders of high-class standard fowl.

At this premier show of the continent, in competition with whomsoever wished to put their birds to the test, Mr. Thompson won as follows:

- Every first prize offered in the class.
- First, second, third, fourth and fifth on cockerels.
- First, second, third and fifth on cocks.
- First, third, fourth and fifth on hens.

- First, fourth and fifth on pullets.
- First, second, third and fourth on exhibition pens.
- Sweepstake special for champion male and same for champion female.
- Diploma presented by American Poultry Association for best cockerel.
- Special for best shaped male; same for best shaped female.
- Special for best colored male; same for best colored female.
- Silver cup for best Plymouth Rock hatched in 1914, any variety.
- Specials presented by president of American Barred Plymouth Rock Club for best cockerel and pullet, for best cock and hen, for three best cockerels and for best display.
- Silver cup for best exhibition pen.
- New York Poultry Association \$25.00 cash prize in gold for best display.
- Numerous other cash specials and cups.

Additional to Mr. Thompson, sixteen other breeders of Barred Rocks made entries at this show. In the class were twenty-two cock birds, nineteen hens, thirty-seven cockerels, eighteen pullets and four exhibition pens.


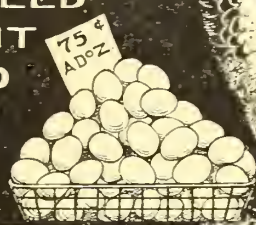
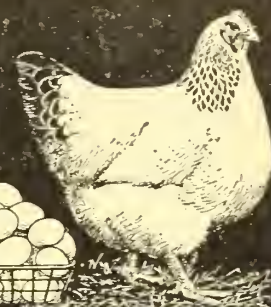
The editor of AMERICAN POULTRY WORLD spent the better part of two hours with Mr. Thompson in going over his birds, handling the winners and asking questions. They were indeed a grand lot—undoubtedly the finest exhibit of this popular variety that has been made to date by any breeder in the history of the poultry industry.

We were interested particularly in the regularity and depth of barring attained thus far by Mr. Thompson also in the "ringy" effect he has long claimed for his strain. What we were looking for was there and in abundance. There could be no question as to the bright and distinct surface color, made up of clear, grayish-white and sharply defined bluish-black bars; and the depth of the barring was there, too—plenty of it in every specimen we handled, including the first and second

**TABLE POULTRY-WINTER EGGS**

**ENGLISH SUSSEX**

**SPECKLED LIGHT RED**

**WM. PATTERSON**

**PENNYAN. BOX W. N. Y.**

# REGAL MATINGS 1915 WHITE WYANDOTTES

For the season of 1915, I have mated up twenty beautiful exhibition matings. They are all headed by my winning males at Boston and New York State Fair and contain all my exhibition females. My birds are the up-to-date kind that are winning today. Hundreds of my customers were winners in the shows this winter. Regal White Wyandottes have never avoided competition, and no strain has made such consistent winnings in the largest shows. But this is not all for years they have been bred for heavy egg production and stamina and it is conceded by all that no strain has a better record for usefulness. February 15th, we have 400 rugged, thrifty chicks, practically out of danger, having lost only ten chicks to date. Our breeders are in certain front houses and are the picture of health. Upon my show record and the utility quality of my birds, I base my claim that Regal White Wyandottes are the best in the world. My customers

will have an opportunity of obtaining eggs from these, the champion matings of the year. If you are starting in, the strain you choose will mean either success or failure for you. Can you make a better choice than the Regal Strain? A few settings of eggs will not cost you a great deal and will prove a good investment.

See what one customer says:

Woodsfield, Ohio, Dec. 5, 1914.

From the setting of eggs from the pen headed by Sensation, I hatched eleven chicks and raised them all. I now have five cockerels that I value at \$70 and four pullets I value at \$20. This makes \$90 worth of stock raised from the eggs which I call a good investment, in fact, I would not care to sell some of these birds at any price. In the past few years I have purchased eggs from several of the large farms but never received for my money such genuine value as I got from your eggs. I never got over six chicks from 15 eggs and I have paid as high as \$30 per setting. Assuring you that I am delighted with your method of doing business and your stock and that I am a "Regal Booster", I beg to remain

Very truly yours,

J. W. Armstrong.

Exhibition matings, Pens 1 to 20 (as they run) \$5 per 15, \$9 per 30, \$12 per 45, \$24 per 100. Pens 5 to 12 are special matings. Eggs from special matings \$10 per 15, \$18 per 30, \$25 per 45, \$50 per 100.

## RECORD LAYING PENS (DORCAS LINE)

Pens 21 to 26 are headed by males bred from females with high records. Some of these males also have exhibition records. The females in the six pens are composed of yearlings with trap-nest records from 180 to 224, and pullets of the same breeding. From these pens, eggs are \$5 per 15, \$15 per 30, \$27 per 100, \$50 per 200. Utility matings of vigorous surplus stock, \$5 per 50, \$9 per 100, \$17 per 200, \$25 per 300, \$75 per 1000. 500 cocks, hens, cockerels and pullets for sale. SPECIAL—50 big vigorous stay white Dorcas cockerels \$10, \$15, \$20 and \$25 each. Dorcas pullets \$3, \$4 and \$5 each. Utility cockerels 3 and \$5 each.

FREE—20 page illustrated catalogue and mating list. It gives full description of matings for 1915.

Send one dime for the Regal White Wyandotte Book. The information it contains will be worth dollars to you.

**JOHN S. MARTIN, Box W, PORT DOVER, CANADA**



**WINNINGS.**

Boston, 1913.

- Cocks, 1-6.
- Hens, 1-4-5.
- Cockerels, 1-3-4.
- Pullets 1-3-4.
- Pens, 2-3-4.

New York State Fair, 1914.

- Cocks, 1-2-3-4.
- Hens, 1-2-3-4.
- Cockerels, 1-2-3-4-5.
- Pullets, 1-3-4-5.
- Pens (young) 1-3-4.
- Pens (old) 2-3-4.

cocks, the first and second cockerels, the cockerel that won color special, the hen that won color special, and a dozen to fifteen other birds in the exhibit. Asked about his preference, as between superior surface color and strength and depth of under-barring, Mr. Thompson said, without a moment's hesitation:

"I want both. I do not favor either. Moreover, I have both, as you can readily prove by examining dozens of my birds—those here and many others in my breeding pens at home.

"If a man cannot breed both in his flock, my advice to him is, get the surface first, then the best under-color possible. But I want both in the same bird, and I have them in the Ringlet strain.

"Please be careful to quote me right on this important question. What I want to be quoted as saying is, that I will not be content without both; that is, standard surface color, also plenty of under-barring clear down to the skin, and here are the birds to show that I have both."

As we passed down along the line, handling and examining different birds, including the prize-winners, Mr. Thompson expressed himself unreservedly on different quality-points of the Barred Plymouth Rocks. Among the interesting remarks made by him that we believe should be helpful to our readers, were these:

"You will observe that I am getting the barring of an even width on back, breast, body and fluff; that on these birds the barring is not twenty-five to fifty per cent. wider on lower breast, on body, etc. This is something to work for, something truly hard to get, but I am getting it, in fact now have it on my best specimens.

"Also notice even the fluff on this bird. It is decidedly 'ringy', as a result of the straight, evenly-divided barring—a character of barring that extends all over the bird and clear around her, any direction you wish to go.

"Also notice the clear yellow beaks on these birds. A clean beak on a Barred Rock will not make a bird win, but it's a good thing on a good chicken.

"Notice the size of these males; their thick-boned, solid legs, set well apart and the color of legs. Rich yellow legs certainly do finish out a Barred Rock right! If our judges over the country knew the pulse of the public on color of beak and legs, they would give it more attention than they do in placing awards. Three out of four of those who write me for good breeders, mention color of legs and beak."

Mr. Thompson was extra proud of his Barred Rock cockerel that won color special. He certainly was a remarkably fine specimen. Pointing to him Mr. Thompson said:

"Frank Sewell, no matter how hard he tries, cannot make or imagine a more beautiful picture of a Barred Rock cockerel than that one, and there he stands before you ALIVE. No camera or poultry show room light could do him justice. I never before have equalled him in uniformity of color."

Nothing can be said with justice that will detract from Mr. Thompson's highly creditable and truly wonderful exhibit at his show. His birds spoke for themselves, as it were. To the best of our knowledge, no one criticized the awards. This winning was a fitting climax to nearly thirty years of patient, earnest, studious, skillful mating on the part of one of the best brains in the poultry industry. Twenty-six years ago Mr. Thompson made his first exhibit at the Garden, winning, as we recall it, three firsts out of a possible five. At a majority of the annual shows held since then he has placed his birds in line at this test show of the new world and without exception has won his full share. This has been especially true during the last three years, but it remained for 1915 to give him practically a clean sweep.

It must be a great satisfaction to Mr. Thompson to have achieved success in this measure. Thirty years ago, for better or worse, he decided to devote the productive period of his life to the breeding and improvement of Barred Plymouth Rocks. He is a man who would have won success in almost any walk

of life and we are glad to record the fact that he has earned an independent fortune in the production and sale of standard-quality Barred Rocks. His career and this 1915 triumph prove what can be done by intelligent, persistent application in the standard-bred poultry business.

Today E. B. Thompson and D. W. Young stand side by side before the interested public as America's two greatest speciality poultry breeders. We say this freely, out of respect to the notable achievements of these two men and because in our best judgment they have fully earned this high degree of praise. Nor is this saying that there are not other—numerous other—noteworthy breeders who well deserve to be placed in a front rank; but nevertheless these two men stand out alone, for the time being at least, and we want to be counted among those who recognize this fact and have the desire to give them due credit.

We remember very well our first visit to Mr. Thompson's home. This must have been eighteen or nineteen years ago. He then lived up in the hills, some three or four miles from Amenia, and we saved carriage hire by walking the distance, up hill and down dale. Just how we had the "gall" to drop in on him unexpectedly about supper time, we do not know. Mrs. Thompson sat on the front veranda and two light-haired, freckle-faced young boys, bare-footed and husky, showed up promptly out of the shrubbery or from among the flower beds. Mr. Thompson

appeared later and did not order us off the place. Fact is, we stayed all night and looked over his poultry plant and birds the next day.

Since then things have changed greatly with Mr. Thompson and he will tell you frankly that he owes the welcome improvement to Barred Plymouth Rocks to the Ringlet strain. At present he lives in a fine old home, at the head of a valley, looking down across Amenia.

*Almendinger's*  
**WHITE—ROSE COMB LEGHORNS—BLACK**  
My Whites have won at Buffalo among other prizes 1st. cockerel for the past 4 years in competition with the best birds in America. Enough said, if you want choice birds or eggs for hatching.  
A. ALMENDINGER, 61 Inwood Place, BUFFALO, N. Y.

**FOR SALE** My breeders of Silver Duckwings; S. C. Buff Leghorns, Silver Penciled Rocks and S. C. R. I. Reds. Some show birds also. Write at once to (Sec. Treas. National S. C. Buff Leghorn Club) THOMAS PEER, CALDWELL, N. J.

**R. C. WHITE LEGHORNS BLACK WYANDOTTES**  
**RUNNER and COL. MUSCOVY DUCKS**  
Winners 1914 Hagerstown, Cleveland, Brockton, Syracuse and Williamsport. Grand stock for breeding and exhibition for sale. Best eggs \$2 per set. LOUIS H. PERRY, R. No. 7, CLAY, N. Y.



### MILLER'S SPANISH

*Better than the rest. No more stock for sale until June. Eggs 1-2 price after May 15th.*

FRANK MILLER,  
Box W, CRESTLINE, O.

## JIMCRACK HOUDANS

WINNERS TORONTO, GUELPH and BOSTON. Illustrated Mating List.

HARRY TAYLOR, 82 Howard Park Ave., TORONTO, ONT.

**BOSTON WINNING BUFF WYANDOTTES** Boston Show, Jan. 1915, 1st pen; Worcester Show, Jan. 1915, 1st cock, 1st hen, 1st pullet, 2nd pen. Best Display Boston five times, 1903-11.

At Storrs Egg Contest won, best laying pen for October, 3rd best pen for February, 3rd best single layer on hen No. 195—246 eggs in year. Present contest, best single layer—1000 hens in competition.  
**NEW MATING AND PRICE LIST FOR THE ASKING.**

"How to Breed Good Buff Wyandottes" Ready for Mailing, 25 Cents.

DR. N. W. SANBORN, 424 South Rd. HOLDEN, MASS.

### FOREST HILL POULTRY YARDS

## Quality White Plymouth Rocks

Eggs from seven grand pens of prize winners bred for heavy egg production and exhibition qualities. They will produce stock that will please you. Eggs \$3 and \$5 per 15. Send for mating list now, then send me your order and I will please you. Mention American Poultry World.

A. G. SPAHR, Box 1220, XENIA, OHIO

## BLUE RIBBON BLACK ORPINGTONS Again Demonstrate their Quality.

At the annual meeting of the American Black Orpington Club, held at the recent Indianapolis Show, *Blue Ribbon Black Orpingtons* again demonstrated their superiority by winning 1-2 cock, 1-3 hen, 1-4 pullet, first old pen, shape and color specials and \$50 cup for best display. This great win together with their record of 1-2 cock, 1 cockerel, 2-3 hen at the Chicago Coliseum Show puts them among the champions and the best of their kind in America.

You cannot afford to waste your time with inferior stock. Why not come to headquarters and get the best?—*The Blue Ribbon Strain*. My free catalogue will tell you more about them. A copy, together with mating list for 1915, will be sent free. Better send today and learn more about these champion Blacks. Eggs \$10 per 15, \$18 per 30, \$25 per 50—eight chicks guaranteed from each setting. Utility \$12 per 100.

BLUE RIBBON POULTRY FARM, R. R. 1, COLUMBUS, IND.

There are twenty-odd acres of ground in the home place and the large and comfortable building is surrounded with superb trees, many of them older than Mr. Thompson or any other reader of this journal. Meanwhile, the two boys in short trousers have grown to manhood. One of them is married and has a boy of his own. Both are in the poultry business with their father. There is also a nephew in the firm, John Thompson by name—a keen-minded, open-hearted young man who “knows Barred Rocks”, as Mr. Thompson Sr. expresses it. It is a fine combination and means that the Ringlet strain, as originated and well established by E. B. Thompson, is destined to live on, even after he has finished his work as the head of the firm.

They do a big business each year at Amenia in Ringlet strain Barred Rocks. At the height of the season there are from three to five stenographers, with several outdoor helpers in addition to the three young men before mentioned. One of the important advantages possessed by Mr. Thompson as a breeder and exhibitor of Barred Rocks is in the large number of good birds he owns. Each season he mates up seventy to eighty breeding pens and every bird placed in them is of superior quality. There is no need for him to use breeders of unknown lineage or of indifferent value. Thousands of birds are produced annually and the shipments go to every section on the globe where civilized mankind has found a home. Eggs for hatching also form a large part of the annual sales, but to date Mr. Thompson has not become interested in the sale of day-old chicks. Mr. Thompson senior devotes practically his undivided attention to the business, giving it personal supervision in all important departments, including the selection or approval of choice birds sent out for breeding and exhibition purposes.

All high-class birds sold by Mr. Thompson are sent on approval. If not satisfactory they can be returned, the customer to pay expressage both ways. This plan is far less costly than a trip to Amenia. Meanwhile, Mr. Thompson risks the health of these birds, or perhaps their total loss in case of neglect or accident. However, prospective buyers are always welcome at the Thompson plant, where they can make a personal choice.

Mr. Thompson states frankly that he does not sell his best birds. To do so would be to break up his breeding lines and eventually destroy his business. His strain and his best birds ARE HIS BUSINESS, as he claims and firmly believes. On his best birds, generation after

generation, depend the perpetuity of the Ringlet strain; therefore his position as regards retaining his best birds each season is clearly defensible up to a point where he would be willing to sell out and retire from business, something that he has no idea of doing. On the contrary, he already has made arrangements to have his sons and nephew succeed him—something that ought not happen, however, within the next twenty-five to thirty years, because Mr. Thompson is still a comparatively young man. We should judge that he is a little past fifty years old. Here is hoping that he will reach the eightieth mile-post on life's journey and still continue to be “boss of the ranch”, or words to that effect.

**ORPINGTONS WERE A LARGE AND STRONG CLASS AT THE NEW YORK SHOW.**

Among the prominent and successful exhibitors of Buff, White and Black Orpingtons at the Madison Square Garden show, New York City, last month, were Hugh A. Rose, Fonthill, Ontario, Canada; Owen Farms, Maurice F. Delano, proprietor, Vineyard Haven, Mass., and the Aldrich Farm, Columbus, Ohio.

Mr. Rose showed Buffs and Blacks, Owen Farms exhibited Buffs and Whites

only, which is their specialty. E. S. Aldrich was present in personal charge of the Aldrich Farm exhibit.

In company with Mr. Delano we spent considerable time looking over the Orpingtons of the three varieties here named. There were many fine birds in the exhibit—doubtless as fine as exist in



ARTHUR E. PRATT CO., Inc., Albany, N. Y. Sole Agents for U. S.

<b>WHITE CORNISH</b>	UTILITY AND EXHIBITION
	GOOD LAYERS AND LARGE BIRDS
Eggs \$3.00 Per 15	Eleven Guaranteed Fertile
Replacement Free	Free Catalogue
MOUNTSVILLE FARMS,	Elm Road, MOUNTSVILLE, VA

**COLUMBIAN WYANDOTTES**

**EGGS AND DAY OLD CHICKS**

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

**YANT'S BARRED ROCKS**

At the great Chicago Coliseum Show 1914 made their *fourteenth annual* winning of 1st exhibition pen, 2nd pullet breeding pen, 2nd cockerel breeding pen, 4th hen, 4th cockerel, 2nd pullet, 4th pullet breeding cock, 5th pullet breeding cockerel. Also the most coveted prize the *Diamond Sweepstake* special for *best display*. Hundreds of birds for sale. *Eggs* from the most carefully mated pens in America \$10 per sitting

John W. Yant, R. R. 24, Canton, Ohio

**FRENCH'S POULTRY MUSTARD**

*THE ORIGINAL POULTRY MUSTARD IN AMERICA*

This is pure mustard flour prepared from selected and imported mustard seeds, so blended as to produce most excellent results during all seasons. Used and very highly recommended by thousands of breeders, fanciers and practical poultry men the world over.

**FEED IT REGULARLY FOR BEST RESULTS**

Users say most satisfactory results are obtained by using continually. We have received hundreds of letters from prominent poultrymen testifying that this product stimulates and invigorates and starts the hens laying. A fair trial will convince you of its worth.

**RECOMMENDED FROM CHICK-HOOD TO CHICKEN-HOOD**

Add it to the regular ration. Start them right to a life of quick growth. Insure the best of health and vigor, good bone and richest plumage. Should be fed from their first mash (wet preferred). Ask the man who uses it. Avoid counterfeits, and do not accept substitutes, insist on "French's Poultry Mustard". If your dealer cannot supply you send direct to us, giving your dealer's name and address.

A 32 page booklet giving Mr. Ralph Allen's experiments in England and other articles on mustard will be gladly sent for the asking.

**THE R. T. FRENCH CO., Dept. B, ROCHESTER, N. Y.**

American today. To win even a fourth or fifth prize in such competition was proof positive of superior quality. There were solid buff males and females, Whites that were without a tinge of yellow or creaminess anywhere and Blacks that were about as brilliant as it is possible to imagine. Probably America owns today (Canada included) as fine Buff, White and Black Orpingtons as exist in any country, not excepting England, their native land.

In Buff Orpingtons Hugh A. Rose won first cock, second hen, fifth cockerel, second pullet and first exhibition pen; in Black Orpingtons, Mr. Rose won first cock, third hen, third cockerel, second pullet and second exhibition pen.

In the Buffs, Owen Farms won fourth and fifth cocks, first and third hens, first and third cockerels and second, fourth and fifth exhibition pens; in the Whites this farm won fourth and fifth cocks, fifth hen, fourth cockerel, third and fourth pullets and first and third exhibition pens.

In White Orpingtons the Aldrich Farm made six entries, three cocks, two cockerels and one exhibition pen, on which they won first and third cocks and first cockerel. Explaining this small entry, Mr. Aldrich stated that they sold numerous prize winners to customers the past season and were reluctant to break up their breeding pens at so late a date.

The late dates of this New York show, by the way, cut down the entries several hundred, yet the show still was too big for the large hall. Next year the side aisles, for example, will have to be made wider, by order of fire commissioners of New York City. This year, as heretofore, all coops on the main floor were in double tiers, while the pigeons and a large overflow of fowls had to be located in the first balcony.

The attendance at this show, however, was a record breaker, to the extent of many hundreds. The weather was fine and the hall was crowded every afternoon and evening. The paid admissions on Sunday, February 14th, exceeded four thousand, so we were informed by Chas. D. Cleveland, secretary-superintendent. Fairly liberal purchases were made, although the existence of a general business depression, largely chargeable to the old-world war, made itself felt at this show, as elsewhere. For next year entirely satisfactory dates have been secured for the Garden show, viz., December 31-January 5 inclusive. This will be good

news to the great number of friends of the Garden show who wish it all the good luck possible.

\*\*\* A postal will bring a copy of our Clubbing Catalogue by return mail \*\*\*

**MAPLEWOOD POULTRY YARDS, ATTICA, N. Y.**

Have just what you want in exhibition and utility S. C. White Leghorns Pekin Ducks. They win, lay and pay. Send us a trial order and be convinced.

F. H. RICHARDS, Manager,

H. W. HAYNER, Superintendent

**TURNER'S R. C. BUFF LEGHORNS and WHITE PLYMOUTH ROCKS**

made a cleansweep at the great Sanford Maine Show, December 8th to 10th, winning 9 firsts, 2 seconds, 1 third, 1 fourth, 1 fifth and 2 cups. Send for mating list.

EDWARD J. TURNER,

Box E,

SPRINGVALE, ME.

**Holmwood's Columbian Rocks** AN ESTABLISHED STRAIN of healthy, vigorous, prize winning birds, raised on free range. Our latest winnings—Buffalo, Jan. 1914 of 1st, 3rd and special hen; 1st and special cockerel; 1st pen; 2nd pullet special for Best Display is proof of quality—if more is wanted visit our yards, seeing is believing. No stock for sale—A limited number of Eggs at \$3 per 15.

MASON H. HOLMWOOD,

ORCHARD PARK, N. Y.

**PRUYN'S SILVER WYANDOTTES**

WIN First Pen, First Cockerel, Special Best Silver Wyandotte Male, Fifth Hen at Grand Central Palace. Four Firsts, Four Seconds, Three Thirds, Two Fourths and Seven Specials at Yonkers: Send for mating list. Have some choice cockerels to spare.

JOHN W. PRUYN,

Gray Oaks,

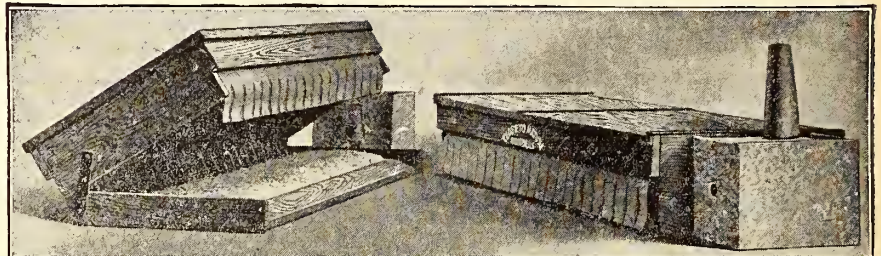
YONKERS, N. Y.

**SILVER AND GOLDEN CAMPINES  
BLACK LANGSHANS -- WHITE FAVEROLLES  
OUR 1914 RECORD**

Rochester 9-1st; 5-2nd; 3-3rd; 2-4th. Greater Buffalo Show 3-1st; 4-2nd; 3-3rd. New York State Fair 5-1st; 2-2nd, 1-3rd; 1-4th; 1-5th. Stock and Eggs in season.

McDONOUGH & BIDWELL,

NEWARK, NEW YORK



**CLOSE-TO-NATURE OPEN AIR HOVER**

The Longest Portable Hover Now Advertised  
Five Feet Long, Warmed Evenly By Heater on Inductive Principle

Applies the three Close-To-Nature principles—Contract Warmth like the hen: Open Air Ventilation, not hot air; Non-Piling or Overcrowding.

Combines the Fireless with the Lamp, use the lamp for very young chicks and discard it as they grow older; or use the lamp during the daytime but extinguish it at night when they cluster for the night.

Hinged for easy cleaning and airing. Roosting bed of earth or litter. Perfectly sanitary brooders on the same principles. Nothing like these brooders and hovers now on the market. Don't buy till you have read the Close-To-Nature circular. It is free. Very low prices this season.

CLOSE-TO-NATURE CO.,

48 Front St.,

COLFAX, IOWA

**SINGLE COMB RHODE ISLAND REDS**

WHITE PLYMOUTH ROCKS AND WHITE WYANDOTTES

IN THE HOTTEST CLASSES EVER IN BOSTON

**WE WON**

ON REDS, 3rd Pen, 3rd Cockerel, and 4th Pullet.  
ON WHITE ROCKS, 1st Old Pen, 5th Young Pen, 6th  
Cock, 3rd Cockerel, and 3rd Pullet.

Egg and Chick  
Announcement  
for 1915

Eggs from the very strongest pens of Top Notchers that the Farm has ever mated, \$7.50 per 15; two sittings, \$14; three sitting, \$20; \$40 per 100. B by chicks, \$80 per 100; \$45 for 50; \$25 for 25. Standard matings, \$4 for 15 eggs; two sittings, \$7.50; three sitting for \$10, \$20 per 100. Baby chicks, \$40 per 100; \$25 for 50; \$13 for 25.



**UTILITY DEPARTMENT**

few more cocks and cockerels that are extra good value at the price \$10.00, \$7.50, \$5.00; and \$3.50. A few late hatched pullets at \$2.00 each. Earlier birds at \$7.50, \$5.00, \$3.50 and \$2.50.

We have enlarged our hatching capacity 100%, and are offering eggs and chicks from high grade utility matings. Many of the breeders carry quality far above utility grade, as well as being from a good producing, strain. Eggs, \$7.50 per 100; \$4.00 for 50; \$2.25 for 25; 15 for \$1.50. Baby chicks, \$18.00 per 100; \$10.00 for 50; \$5.00 for 25. We still have a

If You Have Not Received Our Catalog Send for it; it is Free. Remember that we ship on approval and guarantee absolute satisfaction, and that our prices are low to meet the hard times

W. H. SAART, Prop.

MIRIMICHI POULTRY FARM, FOXBORO, MASS.

W. H. WITHINGTON, Mgr.

**INTERVIEW WITH M. R. JACOBUS,  
FOR SEVERAL YEARS SECRETARY  
OF THE AMERICAN CAMPINE  
CLUB.**

At the Garden show editor of A. P. W. enjoyed a good visit with M. R. Jacobus, Ridgefield, N. J., formerly secretary of the American Campine Club, the membership of which is about six hundred. Frank E. Hering is now president of the club and Mrs. Charles Owings, Dumont, N. J., is secretary. In company with Mr. Jacobus we inspected the Campines at this show and were much interested in his comments. Said he:

"This is a large exhibit for a show where the club did not hold a meeting. Our club, as you will recall, met at the Palace show, this city, in December. We have nearly as many birds on display here as were entered at the December show."

The entries of Campines were as follows: Silvers, nine cock birds, twelve hens, fifteen cockerels, eighteen pullets and ten exhibition pens; Goldens, three cocks, five hens, eight cockerels, four pullets and two exhibition pens.

Mr. Jacobus, the Martling Hennery, Ridgefield, N. J., and the Homestead Campine Farm, Wayland, Mass., were the principal winners, as follows: Mr. Jacobus, in Silvers, fourth cock, first hen, fourth cockerel first pullet and first exhibition pen; in Goldens, first and third cock, first, second and fourth hens, second cockerel, first and third pullets and first exhibition pen. The Martling Hennery in Silvers, first, second, fifth cock; third and fifth hen; first, second and third cockerel; third pullet; second, third and fourth pen. In Goldens, second cock; third and fifth hen; first, third, fourth and fifth cockerel; fourth pullet and second pen. Homestead Campine Farm, breeders of Silvers only, won second and fourth hens, second pullet and fifth exhibition pen.

Asked for his views about the progress made to date by the Silver and Golden Campines in the United States and Canada, Mr. Jacobus said:

"Am much pleased with their progress, for two highly important reasons: First, the birds are now better acclimated than previously, therefore they possess more stamina; second, we now have a good many more American-born birds of high quality. It takes two to three generations for an imported fowl to become

acclimated. The Campines have now been popular with us eight or nine years and at present thousands of them are bred in this country and Canada. For example, I made my first importation of Campines of the present type, eight years ago. Since then there has been a wonderful improvement in stamina, notably during the last five years; also in type, markings and egg production. Frankly, the poorest birds in my breeding pens this season are better than any of us Campine breeders owned five years ago. I believe this statement to be absolutely true.

"As you know, the Campines, both varieties, have been admitted to the American Standard of Perfection and will appear in the 1915 edition. Better still, we have a good standard. It goes more into detail than does the club standard and I believe that all the progressive and earnest friends of the breed are well pleased with the standard adopted by the American Poultry Association. Standard weights were adopted by the A. P. A. on recommendation of the Campine Club and are as follows: Cock, six pounds, hen, four pounds, cockerel, five pounds, pullet, three and one-half pounds."

Asked about the comparative popularity of the two varieties, Mr. Jacobus said:

"The Goldens are still behind the Silvers, quite a little so, but they are truly beautiful, are equal in stamina and egg productiveness to the Silvers and I look for a much increased demand for them within the next two to five years."

Asked about the trade in Campines to date for this season, Mr. Jacobus stated:

"Last summer and early fall, after the European war started, all of us felt the slack conditions, but since December 1st I feel sure that the interest in Campines has been fully as strong as it was in 1913 and during the first half of 1914. Speaking for myself, trade has been good since November 15th, both for stock and eggs. Lately the egg trade started earlier than usual and I have good reason to believe that the demand for Campines, both varieties, is fully holding its own, as compared with other popular breeds and varieties."

The Campines on exhibition at the Garden show were of superior quality. This was true of both varieties. They are Belgium's great egg breed, holding there the position the Leghorns hold with us. Years ago England adopted the Silver Campines as prolific egg layers, in competition with the Leghorns and Minorcas. Since then they have become quite popular in England, which later on led to their permanent introduction and present popularity in this country and Canada.

\*\*\* A dollar saved is a dollar earned. Earn a dollar by sending your order for magazines to us \*\*\*

**MERIH EW'S BUFF LEGHORNS**

The 20th Century Egg Producers. Make another great win at Madison Square Garden, Dec. 1913. Utility Breeders, Show Birds and Eggs for sale. Write for mating list then be your own judge who has the best.

L. E. MERIHEW,

MARATHON, N. Y.

**EVERGOLD BUFF DOTTES** Elegant illustrated catalog giving our methods of feeding and breeding Buff Wyandottes, only 20 cents. Price list and mating list free

**ROCKY RUN FARMS,**  
W. G. MARSHALL, Prop.

**Box 40, NORTHFIELD, OHIO**  
GERALD WILLIAMS, Mgr. Poultry Dept.

**THE MARTLING HENNER Y**

America's Greatest Winners. Clean Sweep at New York Palace Show.

WINNINGS 1914 TO DATE:

57 firsts, 27 seconds, 16 thirds, 8 fourths, 7 fifths and every first on eggs. 48 specials, 36 American Campine Club Specials. Every 1st Display of Silvers. Twice as many firsts as all other competitors combined. First Display - Syracuse, N. Y., Trenton, N. J., Hempstead, L. I., Williamsport, Pa., Paterson, N. J., Palace Show New York and Madison Square Garden. Best breeding and Exhibition birds for sale. Eggs for hatching. Mating list now ready.

Box 186 W.

THE MARTLING HENNER Y

Ridgefield, N. J.

**Harter's Imperial "Golden" Buff Plymouth Rocks**

Win Special for Best Display at the Great New York State Fair Sept. 8 - 13 - 1913

Complete winnings were as follows:— 1 cock, 1-3 hen, 3 cockerel, 1 pullet, 2 pen old, 2 pen young. In a class of 115 said by breeders and judges to be the strongest class ever exhibited at the N. Y. State Fair. Do you want some of this quality? It will win for you. I have several hundred head of choice cockerels and pullets now fit for showing. Write me for prices and say when and where you wish to exhibit.

NESCOPECK POULTRY FARM,

S. H. Harter, Prop.,

Box W,

NESCOPECK, PA.

**KAUFMANN & WINDHEIM'S  
ROSE COMB REDS ARE ON THE FIRING LINE AGAIN**

After resting for two years we directed our "artillery" at two of the greatest shows staged in this country this year and nearly "annihilated" the competition. At Buffalo, Thanksgiving Week and at Grand Central Palace, New York City the week following we won seven firsts, five seconds, several minor prizes, special for best display at both shows, cup for best breeding pen at Buffalo and every special but one offered at the Palace. Our record of four firsts at New York made against the best men in the game stands unequalled at that show. First hen and first and second cockerels at both shows keeps up our wonderful record. We have not been beaten on hen and cockerel for years and years. 1500 head to sell. Write today for free catalogue entitled "Facts".

EGGS FOR HATCHING

EGGS FOR HATCHING

EGGS FOR HATCHING

**KAUFMANN & WINDHEIM,**

**NUTLEY, N. J.**

Originators of the great "Bill Taft Line"



**BILL TAFT V.**

Madison Square Garden, New York, Cockerel

### SINGLE COMB WHITE LEGHORNS AT THE MADISON SQUARE GARDEN SHOW, FEBRUARY 12-17, 1915.

Following his big success at the Boston show, January 12-16, 1915, D. W. Young, Monroe, N. Y., specialty breeder of Single Comb White Leghorns, won a good majority of the most sought for prizes at the Madison Square Garden show, February 12-17, as follows:

First, second, third, fourth and fifth on cock birds; third hen; first, second, third and fifth on cockerels; first, second third and fourth pullets, and third exhibition pen.

The next important winner in this class was Rancocas Poultry Farm, Brown's Mills, N. J. Said farm, in S. C. White Leghorns, won first and fifth hens, fourth cockerel and first exhibition pen. They were frank to admit that they bred their winners from eggs bought originally from Mr. Young. This is good evidence that Mr. Young sells hatching eggs from his best matings.

An interesting affair, in connection with Mr. Young's exhibit at the Garden show last month, was this: At the annual meeting of the National White Leghorn Club, held in connection with the show, Eugene C. Smith, Aurora, Ill., was elected president. Mr. Smith was in attendance and took a special interest in Mr. Young's fine birds. The question of showing birds in their "natural condition" came up for discussion, whereupon Mr. Young said to Mr. Smith:

"Every bird shown here by me is positively in its natural condition, except that they have been thoroughly washed in a legitimate manner. To test this claim

I wish that you and Mr. Hering would take the keys to my coops and handle at your leisure every bird here that is owned by me. Neither of you needs the money, but if you are able to find the slightest evidence of a bent or curled feather, of the use of peroxide, or any other indication of faking or bleaching, I will hand each one of you my check for one thousand dollars—and these checks will be good at the bank."

The Mr. Hering referred to is Frank E. Hering, South Bend, Ind., successful breeder of prize-winning Silver Campines and S. C. White Leghorns. While Messrs. Smith and Hering probably were not interested in the money offer, they did welcome the opportunity to handle Mr. Young's birds; therefore they went down the line and took their own time to it. We had this report from both Mr. Young and Mr. Smith; later it was confirmed by Mr. Hering. Said Mr. Smith to us:

"It was a treat, I can assure you. I take off my hat to Mr. Young! If we had been working hard to get his two thousand dollars we would have failed, to the best of my knowledge and belief. I looked closely, without fear or favor, but could not find the first indication of any unnatural condition about these splendid birds. That Mr. Young is a magician, when it comes to the breeding of the highest type of standard S. C. White Leghorns, I freely admit and it gives me pleasure to pay this tribute to his skill and success as a poultryman."

In this connection we find pleasure in stating that according to reports heard at the Garden show, Reese V. Hicks is making good as resident manager of the Leghorn section of the Rancocas Farm, where he is said to have 15,000 to 20,000 birds under his supervision. This will be good news to many persons who admired Mr. Hicks' active and successful work as president of the American Poultry Association, preceding the election of E. B. Thompson two years ago.

The great bulk of White Leghorns carried by the Rancocas Farm are kept for the production of market eggs. They are utility stock, according to the correct interpretation of that much abused term. But additional to the thousands of market layers, this farm has separate standard-bred departments, strictly so, both for S. C. White Leghorns and for White Plymouth Rocks. M. L. Chapman is in charge of these departments. During the last two years they have made important winnings in both varieties at the Palace, New York show, at the New York State Fair and elsewhere. At the Garden show last month, on White Rocks, in personal charge of Mr. Chapman, Rancocas Farm won third cock, fourth hen, fourth and fifth cockerels and third exhibition pen.

Returning to the question of White Leghorns at the Garden show, we looked over Mr. Young's birds with him and asked him two or three leading questions, as follows:

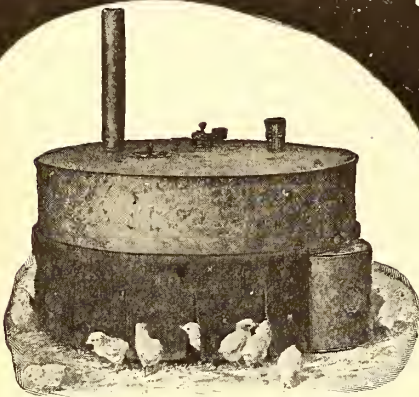
Question No. 1.—"Do you believe, Mr. Young, that high-tailed hens are better layers than those that carry the tail at the angle prescribed by the Standard of Perfection?"

Answer.—"Nothing to it", came the quick reply. "Why on earth should they be? Men who advance such claims ought to offer some scientific or practical reason to back it up. To cite a high-tailed hen here and another one there, among the good layers, proves nothing. For every high-tailed hen that ever made a good egg record, the same investigator could find a dozen standard-tailed hens with equal or better records. This is true because at present the high-tailed kind are few and far between, comparatively speaking."

Question No. 2.—"How about the alleged value of big combs, as regards vigor?"

Answer.—"Nothing to that either—absolutely nothing. Big combs are not a true sign of vigor, nor do they indicate a good laying strain. A chicken's

# For Indoor Brooding Use Cyphers Portable Hover



## Cyphers Portable Hover

Movable at a moment's notice without even turning down the lamp flame. Made of metal—self-regulating—self-ventilating. Weighs 35 lbs. in use. Price, complete, safely boxed, \$3.50; free on cars at all our places of business, except Oakland, Dallas and London. Oakland f. o. b. price, \$9.50; Dallas f. o. b. price, \$9.00. Weighs 40 lbs. by express. Entirely safe to order direct from this advertisement.

**Mail the Coupon  
for Our  
Big Circular**

**WE** recommend it because it gives you a low-cost, convenient and practical way to brood the little chicks. You can pick up this Portable Hover at a moment's notice and carry it anywhere indoors. It is a self-regulating, self-ventilating, **complete brooding device**. Sets level on the floor—keeps the chicks always comfortable. They can run around on the floor—no steps or inclines to climb up and down. All metal, easy to keep clean—supplies warm fresh air. Write us and we will send you our 1915 illustrated, large, free blanket circular (4 pages, 11x18 inches), which explains fully "When, Where and How to Use" this type of brooder for best results.

## Reports from a Few Customers

### "All That Could Be Desired"

Memphis, Tenn., April 13, 1914  
Cyphers Incubator Company, Buffalo, N. Y.—  
Your Cyphers Self-Regulating and Self-Ventilating, All-Metal Portable Hover has proved to be all that could be desired. It carries an even temperature, supplies the chicks with pure, fresh, warmed air, is easy to clean, and the chicks can be cared for with the least amount of work. We believe your Portable Hovers are the best brooding devices of the kind on the market today.

J. R. DAVIS

### "Not Equalled by Any Other"

Killingly, Conn., June 17, 1914  
Cyphers Incubator Company, Buffalo, N. Y.—  
We have been well satisfied with the Cyphers Self-Regulating and Self-Ventilating Portable Hover, so much so that we have purchased five of them, and four of our friends have also bought these Portable Hovers, after seeing mine, while others will buy

them later on. Your Hovers are right in principle of construction, and the self-regulating and self-ventilating features are not equalled by any other hover on the market.

WM. R. BARTON

### "Now Operating Twenty"

So. Elgin, Ill., July 10, 1914.  
Cyphers Incubator Company, Buffalo, N. Y.—  
We are now operating twenty of your Self-Regulating, Self-Ventilating Brooding Hovers, having adapted a combination brooder and colony house which we built ourselves in connection with the installation of your Hovers. We can handle approximately 150 chicks in each of these brooders, and they grow and thrive in a way to suit the most exacting. Our percentage of loss in these houses up to date has been very small. We certainly recommend the Adaptable Hover to any one figuring on going into the chicken business either on a small or large scale.

D. S. AND E. A. LOVEJOY.



comb is an excrescence. Its growth is freakish, unreliable—accidental. It will grow big in a week's time in a hot show room, and the same is true if a bird is fed heavily on meat scrap or other animal food.

"Both scientifically and practically, the abnormally big comb is a waste of meat, of heat units, of blood and of vitality. Among Leghorns the male birds with big loby combs are less 'full of fight' than those with medium-sized, standard combs. You could hardly expect a student of the Leghorn to overlook or to ignore questions of this kind. I have watched and studied my birds carefully for a long period of years on this very point and my father did so before me. Big combs, or extra large ones, in the sense meant, are both unsightly and useless. I am as confident about this as I am about anything connected with truly beautiful and valuable White Leghorns."

Question No. 3.—"But you do want the comparatively long back and body, also the heavy supply of feathers at the rear back and where they reach up over the base of the tail?"

Answer.—Now you have said something! The reproductive organ and 'egg factory' are located right under that spot and on my birds you will find the feathers, fully half an inch thick, especially on the male birds. (This statement was confirmed by an examination of half a dozen specimens—Ed.) I worked ten to fifteen years to increase the length of body of the White Leghorns one and one-half to two inches in females and three to three and one-half inches in males. Look back at illustrations of White Leghorns fifteen to eighteen years ago and you will find that what I say is true, absolutely so. With longer bodies and a heavy, thick, warm coat of feathers above the reproductive organs, including the egg organs of the females, the ability and disposition of Leghorns to produce more eggs and larger eggs was increased twenty to twenty-five per cent. I have proved this in my own yards repeatedly and the fact has been demonstrated on practically every well-conducted Leghorn plant in the country."

There was another feature in connection with the D. W. Young White Leghorns at the Garden show that should be mentioned here, in the interests of all A. P. W. readers who admire the S. C. White Leghorns and are breeding them for fancy or business purposes. We refer to a "satiny finish", as Mr. Young described it. It is a fact that

his birds possess a soft, velvety texture, readily appreciated by passing the hand over the surface of the plumage—a texture free from harshness that can be determined by the sense of touch and that also appeals to the eye. The abundance of plumage, comparatively speaking, seems to contribute to this satiny effect, rendering the feathers softer to the touch than customary. The Barred Plymouth Rock cockerel owned by E. B. Thompson, which won the color special at this same show, presented the same "feeling" to the palm of the hand. No doubt the absence of tightness of feather has something to do with it.

Mr. Young welcomes this satiny finish as a desirable addition to White Leghorn plumage. Not understanding the matter very well myself, we propose to ask him to write an open letter on the subject for publication in these columns. We feel confident that Mr. Young will comply, because of his supreme interest in the matter of developing the S. C. White Leghorn to a still further extent, as a practical and scientific combination of utility and beauty. If there exists anywhere on earth a keener, more ardent breeder-fancier of Single Comb White Leghorns than D. W. Young, we should like to get his name and address in order to obtain an unretouched photograph for publication in these columns "for the good of the cause".

"Poultry Houses and Fixtures." The most complete book ever published on poultry house architecture. Fifty cents per copy \* \* \*

KEATING'S MINORCAS WIN

James S. Keating, Mishawaka, Ind., specialty breeder of Black Minorcas, who recently acquired the well known flock established by Fred. C. Gabriel as the Raven Black strain, in sending in a change of copy for this issue, states: "At the South Bend, Ind., Show, held in January, I won 1st old pen, 1st young pen, 2-3-4 hen, 1-2-4 cockerel, 1-2-3-4 pullet, 1-2 cock, club cup, cup for best display in Mediterranean class and State Championship." Five out of six firsts surely indicates that Mr. Keating has a quality flock, and this is further proven by his again capturing state championship, making twice in succession that his birds have been awarded this honor. He advises that he has a few choice cockerels for disposal. He is also booking orders for hatching eggs and day old chicks. When writing him it will be appreciated if A. P. W. is mentioned.

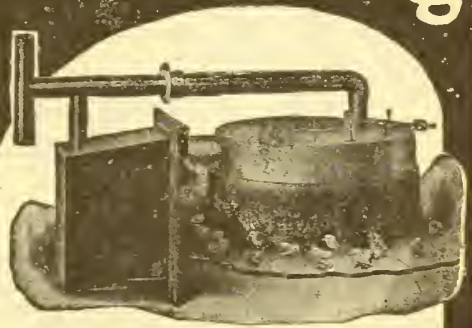
GROVE HILL EGG CIRCULAR

Grove Hill Poultry Yards, Waltham, Mass., are sending out an eight-page egg circular describing their several matings of Barred Rocks and S. C. Brown Leghorns for the season of 1915. The Grove Hill poultry yards were established in 1876 by Wm. Ellery Bright and each year since has seen an increase in the business until now Grove Hill ranks among the leading standard bred poultry establishments of the country. This circular is free for the asking and describes an unusually large number of matings of each of the above varieties. Readers asking for a copy will confer a favor by mentioning A. P. W.

SHEFFIELD FARMS

Sheffield Farms' Partridge Wyandottes kept up their wonderful record at the big Boston Show and won as many firsts as all competitors combined. The Sheffield Farms have undoubtedly done more to popularize this variety than any other breeders in the country but they are not satisfied to let well enough alone and make the announcement that they will reduce the price of eggs from their best matings to \$5 per setting. With the quality that Sheffield Farms have to offer, any one desiring to start with Partridge Wyandottes cannot afford to miss this opportunity to secure hatching eggs. The flock is under the management of Hugo Hark, whose long experience with this variety qualifies him as an expert in mating, breeding and all questions pertaining to the breed. Interested readers should address Sheffield Farms, Glendale, Ohio, and mention A. P. W.

# For Outdoor Brooding Use Cyphers Adaptable Hover



SOON you will be wanting to get the little chicks outdoors—in the fresh air—and upon the grass runs. With this Cyphers Adaptable Hover you can easily make your own outdoor brooder. Just take a piano box, an organ case or a large dry-goods box, and attach this Hover to it. This gives you a safe, practical brooder at low cost. We guarantee the Cyphers Adaptable Hover to be safe from fire. It is self-regulating and self-ventilating—all metal. Write us and we will send you our new 1915 free blanket circular (four pages 11x18 inches in size), entitled "When, Where and How to Use Cyphers Adaptable Hovers to Best Advantage"—free, postpaid.

## Cyphers Adaptable Hover

Fire-proof, wind-proof, insurable, self-regulating and automatic in ventilation. Price, complete, safely boxed for shipment, \$8.50 free on board cars at all our places of business, except Oakland, Dallas and London. Oakland, f. o. b. price, \$9.50. Dallas f. o. b. price, \$9.00.

Send order to place of business nearest you, thus saving time, also money on freight or express charges.

It is entirely safe to order from this advertisement.

### Read These Reports from Customers

#### "Now Have a Hover That I Can Depend Upon"

Rockport, Me., July 3, 1915. Cyphers Incubator Company, Buffalo, N. Y.— I am using one of your Adaptable Hovers and think there is nothing like it as a brooding device. I have had as many as 140 chicks under the Hover at one time and they did so well that I kept them in until they did not need any more heat—about six weeks. I built a small house 5 feet square, with

shed roof, installed the hover in it, and boxed up a space around the Hover while the chicks were small. As they grew larger I took the partition away, and the Adaptable Hover provided plenty of warmth for the chicks. I did not lose a single chick, which is some different from the brooder of another make that I bought a year ago. I then had 50 chicks and the lamp smoked badly and at last caught fire, and I lost my chicks. Now that I have an Adaptable Hover I can depend upon it to keep the chicks warm, and I shall start hatching earlier in the season. E. E. ORCUTT.

## Cyphers Incubator Co.

Dept. 31 Factory and Home Office, Buffalo, N. Y.

Branch Stores and Warehouses:

New York, N. Y., 41 Barclay St. Boston, Mass., 12-14 Canal St. Chicago, Ill., 329-331 Plymouth Ct. Kansas City, Mo., 317-319 Southwest Blvd. Dallas, Tex., 316-318 S. Preston St. London, Eng., 121 Finsbury Pavement Oakland, Cal., 2127 Broadway

You are safe in sending your order to us from this advertisement. Why not do it?  
Send me at once your best big 1915 blanket circular on Cyphers Portable and Adaptable Hovers.  
Name.....  
Address.....  
**CYPHERS INCUBATOR CO., Dept. 31**

**RAUNSLY-SHIELDS CATALOGUE**

The catalogue for 1915, issued by the Rawnsley-Shields Poultry Farm, Columbus, Ohio, breeders of the sterling strain, S. C. Buff Orpingtons and Speckled Sussex, is a neatly printed and attractive booklet and the business-like manner in which it is gotten up at once creates a favorable impression. After a brief description of the farm a few words are said in regard to the members of the firm. The remainder of the book is devoted to a description of the Orpingtons and Sussex and the matings for 1915. There are many photographic illustrations of their winners at Hagerstown, Buffalo and the Chicago Coliseum Shows as well as views of the farm and buildings. It is a very interesting catalogue and one that should prove of value to Orpington and Sussex breeders or those contemplating taking up either variety. We understand it will be sent free to all those interested in either variety that will mention A. P. W. when making request.

**TAYLOR'S COLUMBIANS WIN AGAIN**

Jas. H. Taylor, Woodstock, Ill., breeder of Columbian Plymouth Rocks that have been regular and consistent winners at the Chicago Coliseum Show, advises that his birds made another record at the National meet of the Columbian Plymouth Rock Club, held in connection with the Greater Chicago Show in January. Mr. Taylor made a small entry at this event and was awarded 1-4 cockerel, 1-3 pullet, color special on male, special for male showing least brass in surface color and color special on female. This is truly a remarkable winning, considering the large class in competition. In commenting on the class Mr. Taylor states: "This was the largest and best quality class that ever came together in the central west". To those interested in this variety we can recommend Mr. Taylor as responsible and a trustworthy breeder who will exert his best efforts to please all patrons. When writing Mr. Taylor, kindly mention A. P. W.

**POULTRY MUSTARD**

The R. T. French Co., Dept. R., Rochester, N. Y., one of the oldest and largest manufacturers of mustard in America, report a very heavy demand for their "Poultry Mustard", of which they are the original manufacturers in America. Poultrymen are rapidly recognizing the beneficial effects derived from feeding a small quantity of mustard the year around. It not only promotes the natural functions of the digestive

organs but keeps the fowls in such a healthy and vigorous condition that an increased egg production is the result.

The R. T. French Co. have a new announcement in this issue and you are urged to look it up and then send for their free book, that fully explains the virtues of mustard as related to poultry feeding and also gives the results of some very exhaustive experiments conducted in England which prove conclusively that mustard has a high value when used as directed.

**THE HILL COLONY BROODER**

The new colony coal burning brooder stoves appear to be filling a long felt want and the success with which they are being used demonstrates their practicability. Among those advertised in these columns is the Hill Colony Brooder for which many strong claims are made. C. V. Hill, the inventor, is a practical poultryman and he believes that his stove is superior to any on the market. In fact, his confidence in the stove is so great that he offers to ship it on thirty days' trial and if it is not satisfactory or does not do all claimed for it, money will be cheerfully refunded. An interesting folder describing this stove has been issued and we suggest that all readers send at once for a copy to the Mercer Poultry Farm, Trenton, N. J. It may solve your chick problems. Mention A. P. W. when writing.

**LONGFIELD R. C. REDS**

The Longfield Poultry Farm, Bluffton, Ind., are sending out an attractive booklet describing their matings of R. C. Reds for the season of 1915. Seventeen regular matings have been made with prices running from \$1.50 per set of 15 eggs up to \$25 for the same quantity. Yard No. 1 draws the top price and announcement is made that one-half the eggs from this pen will be reserved for their own use. The pen is headed by male winning the grand championship in a class of 526 Reds of both combs and has been pronounced one of the best Reds ever produced. There are only a few females in this pen, so that the egg supply will be limited. There are numerous other good matings, however, and no doubt Longfield will produce many of next season's winners. Better get a copy of the list and look over these quality matings.

\* \* \* Reds! Reds! Reds! Our new book "The Rhode Island Reds" is the most complete and authentic treatise on this breed ever published. Send seventy-five cents and secure a copy \* \* \*

**EAGLE BAY MATING LIST**

The mating list of Eagle Bay Farm, Silver Creek, N. Y., is ready for distribution and all interested in S. C. White Leghorns, S. C. or R. C. Rhode Island Reds should procure a copy, as some very attractive prices are made on both eggs for hatching and baby chicks. Both utility and exhibition matings have been made in all their varieties. In their guarantee they state that all eggs will be strictly fresh and from pens selected by the purchaser. All eggs will be marked with the number of pen from which they are taken. This numbering is done when the eggs are gathered from the nests by the manager of the plant, F. A. House, who personally collects, marks and packs all eggs for hatching. A postal card, addressed Poultry Dept., Eagle Bay Farm, Silver Creek, N. Y., will bring a copy of this list by return mail. It will be appreciated if you will mention A. P. W. when writing.

**Too Late to Classify**

**ROSE COMB BLACK BANTAMS** of quality. Winning first and second cockerels and first pullet Chicago Coliseum this year. Four Grand pens mated for the egg trade. Palmyra Bantam Yards, Mason, Ohio. 4-6-5

**ANCONAS:** Special reduced price on eggs this season. Catalogue showing pictures of twelve winners for 2 cent stamp. Anton Emil Wohlert, Route 4, Narberth, Pennsylvania. 4-6-5

**HEAVY LAYING** strain S. C. White Leghorns. Eggs for hatching \$1.00 per setting. Day old chicks 10c each. Locust Lodge Farm, Bemus Point, N. Y. 4-6-5

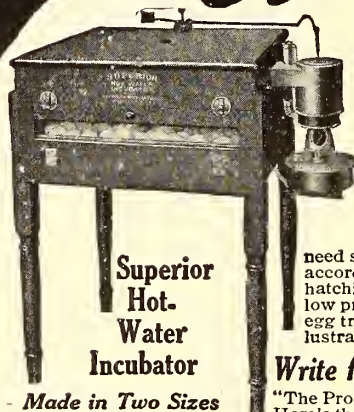
**WYANDOTTES PARTRIDGE.** For sale twenty hens two and three years old \$1.50 each. One fine cock three years old \$5.00. Ralph E. Clarke, Coldwater, Mich. 1-3-5

**LIGHT BRAHMA** exclusively. Exhibition and utility stock and eggs for sale. Mating list and show record on request. Modern Poultry Farm, Rockville Centre, L. I. 4-6-5

**LAKENVELDERS.** Leo Lak Strain. Blue ribbon winners. Hatching eggs and stock for sale. L. E. Osgood, Plainfield, N. J. 4-6-5

**HOUDANS OF QUALITY.** Eggs for hatching, \$5.00 per 15. J. P. Boyd, 4 Mix Pl., Batavia, N. Y.

**\$10.00 and Up Gives You a Cyphers-Built Incubator**



**Superior Hot-Water Incubator**

Made in Two Sizes

If you know the confidence of Cyphers Company customers, the strength of the Cyphers guarantee and the manufacturing care and skill that made the name "Cyphers" world-famous, you can realize what this offer means for you. This year, Reader, you are able to own a Cyphers-Built and Cyphers-Guaranteed Incubator for as little as \$10.00. You, who want the best results with a popular-priced hatching machine, cannot afford to miss this offer. Increased manufacturing facilities and our world-wide market made it possible. For 1915, we offer you eight sizes, \$10.00 to \$38.00. Our own design—our own manufacture, and backed by our strongest guarantee. Here they are—take your choice

**"Superior" Hot-Water Hatcher**

This is the first hot-water heated incubator that you have ever been able to get with Cyphers Company standard of design, construction, regulation and ventilation. It's an expertly built machine—only first-class materials are used. Self-regulating and self-ventilating—does not need supplied moisture. We guarantee that when operated according to our directions these machines will do better hatching than any others now on the market, that sell at as low prices, per egg capacity. Roomy chick nurseries under egg trays. Two sizes: 65 eggs, complete, \$10; 130 eggs [see illustration herewith], price, complete, \$14. Fully guaranteed.

**Write for This New Book by Cyphers Experts**

"The Profits in Poultry Keeping"—200 pages—7½ by 10 in. Here's the foundation for a well-rounded knowledge on poultry raising of all kinds. This new book is filled with good, practical treatise on this breed ever published. Send seventy-five cents and secure a copy \* \* \*

sound advice that you can apply to your everyday efforts. You will find in it the kind of knowledge and experience that gave this institution its leadership in the poultry world. With it we send you a large special color-plate circular of our two new styles of incubators, showing them in different sizes.

**Write for Free Copy Today**



## PROFITS VERSUS FEATHERS AND FRILLS

By Edward L. Blum,  
Proprietor Propo Farms, Loreley, Md.  
(Continued from page 315)

ard of requirements. We kept the most exact records of everything. Even the state of weather and the temperature on each day were noted, and those birds whose laying powers were affected by a change in weather conditions were marked and culled. Birds showing weaknesses of any kind were marked for the axe when the laying season should be over.

Today we are reaping the benefits of persistence and careful selection. Our birds have increased in size, hardihood and productiveness. Our eggs have run between 90% and 98% fertility. The hateability and liveability of chicks will bear no criticism. Mortality and losses have become negligible. The pullet that will not go four pounds at six months is the exception. The two and a half pound weakling, the idol of fashion, has disappeared and in its place we see the ideals of health, vigor and utility perfection. We have reverted to the true type of Leghorn—the one that will make its mark on the profit side of the ledger.

We must regard the bodies of our birds as factories for the transformation of foods into eggs. Human intelligence can improve the efficiency of these machines by careful selection for vigor and hardihood. This has been our experience and we think the public is daily becoming more alive to these facts and you find an ever increasing demand for size and



Shown above is the picture of a float entered by the Propo Farms, Loreley, Md., in the Baltimore Centennial St. Spangled Banner parade. The Propo Farms are producers of large S. C. White Leghorns that lay large eggs and in the palm decorated enclosure shown above a selected pen of their favorites displayed themselves before the throngs that crowded the streets on this patriotic occasion. Edw. L. Blum, Proprietor of the above farm is a firm believer in constitutional vigor and it has been his motto in establishing his flock.

vigor to again bring the Leghorn to its former state of utility. Feathers, combs, beaks, tails may mean blue ribbons for the poultry parlor, but size, vigor, hardihood spell EGGS! Those readers who have been misled by fictitious principles

take heed while there is yet time, change tactics, disregard feathers and frills and have the results of your honest endeavors show in your egg baskets.

This winter we are housing 8,000 laying birds. Our breeding flock consists of

# Three Styles-Eight Sizes- all backed by Cyphers Guarantee

IT would be impossible for any incubator user to secure stronger success insurance than the construction that is backed by the Cyphers Co. Guarantee. You can choose any machine represented here, with perfect assurance that you are getting the most that can be had for the money invested.

## “Columbia” Hot-Air Incubator

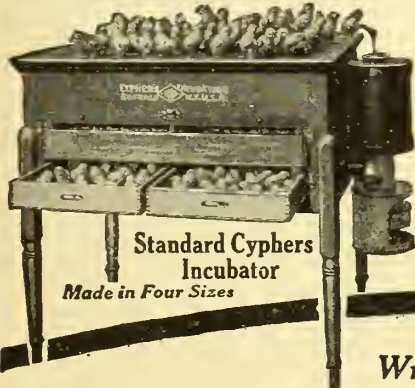
You could not ask for a more efficiently built or a more handsomely designed and trimmed incubator. If you were to judge it by ordinary standards, you would justly consider it the highest possible quality next to the Standard Cyphers. It has the same regulating system as our highest-priced machines. The case is made of three-ply wood, the middle layer running crosswise. The three layers are solidly cemented together—not glued—so that they cannot warp, crack or split under the action of heat and moisture. It is finished in beautiful Flemish Green with brass trimmings. Forced-draft heating system, fume-proof—non-rusting, made of double-seamed galvanized sheet steel insulated with asbestos. Roomy chick nursery under egg trays. Two sizes: 140 eggs, complete, \$15.00; 250 eggs, illustrated above, complete, \$19.00. Fully guaranteed.



Columbia Hot-Air  
Incubators  
Made in Two Sizes

## “Standard Cyphers” Incubator with World-Famous Construction

In these machines we give you the maximum of efficiency in every particular, based on 18 years' experience. The real successes in the poultry world for the past 15 years have been made with Standard Cyphers Incubators. Tens of thousands of owners will tell you that their value is unequalled anywhere. The most trying obstacles, such as cold climate or changeable weather, mean nothing to the Standard Cyphers owner. We make these machines in 4 sizes, as follows: 70 eggs, complete, \$15.00; 144 eggs, complete, \$22.00; 214 eggs, complete, \$32.00; 390 eggs, complete, \$38.00. Satisfaction or your money back.



Standard Cyphers  
Incubator  
Made in Four Sizes

Write Your Name Here and Mail

Today for Our 1915 Offer and Our New 200-Page Catalog FREE

All prices in this advertisement apply East of the Rocky Mountains, North of Texas and South of the Canadian Line. In high-freight territory, slightly higher prices. Address Branch nearest you.

Cyphers Incubator Co., Dept. 31, Home Offices and Factory: Buffalo, N.Y.

New York, N.Y., 41 Barclay St. Boston, Mass., 12-14 Canal St. Chicago, Ill., 329-331 Plymouth Ct.  
Kansas City, Mo., 317-319 Southwest Boulevard Dallas, Tex., 316-318 N. Preston St.  
Oakland, Cal., 2127 Broadway London, Eng., 121 Finsbury Pavement

Cyphers Incubator Co., Dept. 31  
Send me at once full details of your 1915 offer and your new book—The Profits in Poultry Keeping.  
Name.....  
Address.....

3,500 yearling hens on free range, mated to cockerels from high producing dams. Five years ago we were about to "give up the job". Now success lures, and we are in the poultry business to stay.

#### SCRANTON'S CATALOGUE

B. H. Scranton, Rising Sun, Ind., has just issued an interesting twenty-page catalogue for 1915 that is chock full of interesting information concerning his "None Better" S. C. Rhode Island Reds. There is not a paragraph of idle boasting in the twenty pages, on the other hand, it is a plain statement of facts concerning this well known strain of Reds and their achievements in the show room in all sections of the country. In the foreword Mr. Scranton states: "It is ever my desire to make every one who deals with me a satisfied customer and, if possible, more than satisfied. There may be some who have felt that they did not get the results that they hoped for, but I believe every one will say that I have been fair and have tried hard to please."

From what we know personally of Mr. Scranton, we believe that it is his first thought to satisfy his customers and believe he will go the limit in doing so. We have always found him square in all his dealings and can conscientiously recommend him to all readers of A. P. W. with the feeling that he will treat them fairly and give full value in every instance. It will be appreciated by both Mr. Scranton and the publishers of this paper if A. P. W. is mentioned when writing.

#### BLUE RIBBON BLACK ORPINGTONS

That Blue Ribbon Black Orpingtons belong in the championship class has been quite decisively proven by their performance at two great shows this season. First at the Chicago Coliseum show they carried off 1-2 cock, 1 cockerel, 2-3 hen, on five entries, then at the annual meeting of the American Black Orpington Club, held in connection with the Indianapolis show, they won 1-2 cock, 1-3 hen, 1-4 pullet, 1 old pen, shape and color special and cup for best display. This record firmly establishes their right to be called the Blue Ribbon Strain, but if more proofs are wanted they will be found in the Blue Ribbon catalogue that will be sent free to all interested in this variety. Mr. Carter, the proprietor of Blue Ribbon Farm, advises that he has a quantity of chicks now growing for next fall's shows and expects to be in a

position to deliver mature specimens by September 1st. Perhaps it would be a good plan to make a note of this as you may need a winning bird at that time. He will be glad to hear from all in need of hatching eggs and wishes it understood that he guarantees eight chicks from every setting. When writing it will be appreciated if A. P. W. is mentioned.



An excellent pullet bred Barred Rock cock the property of the Pavillion Poultry Farm, T. A. Sprung, Proprietor, Pavillion, N. Y. While not appearing at his best in the above photograph this bird is nevertheless an extra good specimen, full of vigor of large size and well barred both on surface and in under color. He is now at the head of one of Mr. Sprung's breeding pens and as he is a noted producer, fine results are expected from this mating. Interested readers should look up Mr. Sprung's announcement on another page and send for his mating list.

#### NEW IDEAS IN SHEER'S INCUBATORS

The year 1915 brings to every poultry raiser, big and little, several very important improvements in Sheer's well known line of Peerless incubators. The small poultry raiser, and the large as well, finds the now famous Peerless all-automatic and all-metal 60-egg machine still further improved. The man looking for a really practical big machine finds a huge advantage in the possession of a new 1,000 egg machine, built in tiers, each tier a complete 200-egg machine, completely automatic in every operation, and all five tiers operating in perfect unison. For these improvements, the poultry raiser is indebted to one of the geniuses of the incubator industry, H. M. Sheer, of Quincy, Illinois. For over 25 years he has been manufacturing incubator supplies, and his own original and far-famed automatic fixtures. Now he has added the manufacture of complete ready-built machines, namely: the Peerless-60, of 60-egg capacity; new 200-egg machine, and the Multidek, the new 1,000-egg 5-tier machine, explained above.

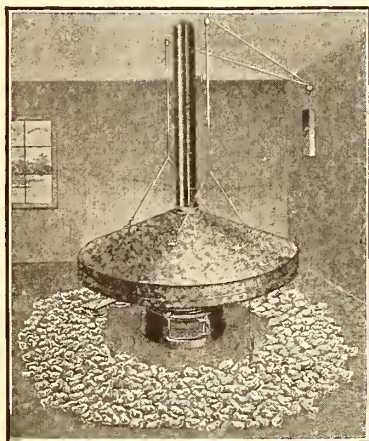
Every large and small poultry raiser at some time or other, needs an incubator of small capacity, and he wants that machine to be every bit as efficient as the larger machines. He has it in the Peerless-60, for besides being designed along the well known successful "Sheer" lines, it is as thoroughly automatic in its every operation as Sheer's other big success, the 1,000-egg Multidek.

Sheer's new 200-egg ready-built machine is also a marvel in self-operation. The Multidek is elastic in size—one can use as many tiers of 200-egg capacity as he wishes, from 1 to 5, with the same assurance of complete automatic operation. It reduces the cost of maintenance and the "lost motion" incident to the running of larger machines at less than full capacity. Its percentage of hatches are said to be quite extraordinary. Every poultry raiser should send his name and address for full information about these big improvements, addressing H. M. Sheer Co., Dept. 133, Quincy, Illinois.

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

# CYPHERS COAL-BURNING COLONY HOVER

**READER,** it is now *too late* in the season for you to waste time *experimenting!* You now need to buy a "sure thing" in a Colony Brooding Hover—a device that has been *tried out* and *proved up* in practical use by hundreds of ordinary every-day poultry raisers, both *men* and *women*, under widely different conditions. Kindly read these recent sample reports—every one signed and dated. Our free 16-page illustrated circular described below contains many more of these splendid reports.



**CYPHERS COLONY HOVER CARING FOR 400 TO 500 CHICKS.**

Shows Adjustable Dome Raised Into Brooding Position. Can Be Raised Head-high by Mere Touch of Hands and is Held by Counterweight Just Where Wanted. Note Automatic Regulator at Left, Below Rim of Dome. Capacities Range From 100 to 1,000 Chicks and Upward. See Picture on Opposite Page.

"**WOULD BROOD ANY NUMBER UP TO 1,500**":—"Your Coal-burning Colony Hover is *perfection*. I have raised 963 chicks, the youngest now being four weeks old. It took care of 700 at one time and with sufficient floor space *would brood any number up to 1,500*. My loss was very small—*less than 2 per cent*. I attribute this great success to my Colony Hover, as I have been raising chicks *four years* and this is the first year my losses have been so small. I burned 580 pounds of chestnut coal from April 19 to June 14, *making an average cost of four cents per day*."—J. F. Healy, Williams-town, N. Y., June, 1914.

"**HAD 1,000 CHICKS AROUND HOVER**":—"In regard to your Coal-burning Colony Hover. I have *saved its price a dozen times* in the one season. At one time I had 1,000 chicks around the Hover and *did not lose one from bowel trouble*, as I had in years past. I *ran the stove in zero weather* on ten quarts of coal in 24 hours. My building is 12x24, partitioned into three rooms. The Hover was in the *middle room*, 12x12, and the other two rooms, 6x12, were used as runs during the day. I *mean to try ducks next season* and expect to have the same success."—Henry D. Shaefer, 460 Lyon St., Easton, Pa., July, 1914.

**TWO COLONY HOVERS—1,550 DAY-OLD CHICKS**:—"Last spring I *purchased two* of your Colony Hovers. I placed 1,550 day-old White Leghorn chicks with them and wish to say that I *never before had such success* in my experience. I now have over 1,400 chickens, all of which are vigorous—*the liveliest lot I ever raised*. Don't think I lost one on account of the Hover itself. *Attribute my success almost entirely* to this Colony Hover. As I feel about it today, I would not care to take \$100 each for them *if I could not secure duplicates*."—Mrs. E. S. Barclay, Cranberry, N. J., June, 1914.

**1,525 "RED" CHICKS—350 LEGHORNS**:—"During the past season I hatched 1,525 Rhode Island Red chicks, besides purchasing 350 Leghorns. Of these I hovered at least 1,200 with my two Colony Hovers. *I found them very satisfactory and shall add more to my equipment*. I placed as few as 125 chicks and as many as 440 at one time under the Hovers and found them *always efficient*. Had I not adopted the Colony Hover brooding system I could not have handled so many birds alone. This colony system *economizes time, labor and fuel*."—Eugene Swikey, Northfield, N. J., August, 1914.

## FREE 16-PAGE CIRCULAR

THIS CIRCULAR, 16-pages, 7½ x 10 inches in size, explains and illustrates in EVERY DETAIL the superior, practical, convenient, money-saving, money-making UNEQUALLED VALUES of this "Mammoth" Colony Hover. Capacity, any number of chicks up to 1,000 and more, depending on size of room or poultry house. Sizes preferred, 10 x 10 to 15 x 15 feet. Exactly as represented or *full price* will be refunded.

## FROM SHELL TO MATURITY

By R. M. Henderson, Toledo, Ohio

(Continued from page 327)

to eat when you know they are hungry they will not do well.

### A GOOD GREEN FEED

One of the best green feeds for chicks and usually the easiest to get is nothing else but the old dandelion, which usually decorates our lawns in the spring. I gather a large handful and lay them on a table or wide board and take a large knife, cut them into small bits and mix with the potato salad as I always call it. Use the stem flower and all, and it beats almost any kind of green feed. Although sprouted oats, cut up in small bits and mixed in is very good, it is almost certain that it does not contain milk like the dandelion does.

Chicks in small quarters that are kept well disinfected and clean, will grow faster and not consume as much feed as they would if on unlimited runs, but the close quartered chicks will not feather with good, healthy feathers like the ones with the free range. If you want chickens for exhibition, give them all the range possible and they will find proper rations to produce a coat that is uniform and has a bright, healthy lustre.

I am a breeder of the famous golden, yellow-legged Black Leghorns and I find that my good colored birds always come from free range. Take the best looking birds you have and keep them in close quarters and the same number put on



John W. Yant, Canton, Ohio, one of the pioneer poultrymen of the "Buckeye" state. Mr. Yant's hobby is the ever popular Barred Rock. That he is producing many good ones is proven by his record at such shows as Chicago, Coliseum where he won the special for best display last December.

free range and the close quartered birds will make a little larger bird and mature earlier, but the range bird will beat them a half on bright snappy color.

Watch birds in the fall for roup, if you hear one wheeze and cough and the

nostrils seem to be stopped up, get a little jar of musto-mento and rub throat and fill nostrils full; also rub all around over side of head, and it will usually clear their head from cold in a day or so. Sometimes they will get canker, which is easily cured with coal oil. If in the throat, take feather and swab the throat out 3 or 4 times each day and it will loosen up and disappear. There are many things that you can learn by experimenting and using home remedies.

If the editor thinks this will help some inexperienced member of the poultry industry and prints it I will give you a line up on my experience in incubation next month, which may help a little.

Noping we may all do our share to produce the amount of poultry and eggs that is sure to be in demand this coming season and also each of us get our earned share of the profits, I will see you later.

### COLE'S MATING LIST

In his mating list for 1915 Frank E. Cole, Van Wert, Ohio, tells us that he is entering his twenty-sixth year as a breeder of Standard bred poultry. For the past sixteen years he has bred Buff Rocks exclusively, which puts him among the oldest breeders of this variety and qualifies him as an all around Buff Rock expert. For the season of 1915 he has made ten select matings and is now hooking orders for eggs for hatching at prices that will appeal to all lovers of this variety. He makes a liberal guarantee as to fertility and does business on Golden Rule methods. As to quality of his stock he points to his show record, especially his winnings at the recent Chicago Coliseum Show where, in a strong class, he won first old pen, first young pen, first pullet, second cock, second and fourth hen, second cockerel and best display. This should be evidence enough to prove the quality of the Cole Buff Rocks; for further proof mention this paper and ask for mating list.

# CYPHERS COAL-BURNING COLONY HOVER

YOU CAN ORDER with perfect safety direct from this advertisement if in too great a hurry to send for the 16-page descriptive circular. Capacities are given below; also free-on-board-cars prices at our *seven places of business*. Save valuable time and secure low freight rate by ordering from Cyphers Company store and warehouse *nearest you*. We have these Colony Hovers in stock ready for immediate shipment. Here are more sample reports of 1914 work:—



CYPHERS COLONY HOVER WITH DOME RAISED HEAD HIGH.

Counter-weight Holds Dome at Any Desired Height for Filling Stove, Removing Ashes and to Clean Floor Around Heater. Sold With or Without Automatic Regulator. Does Good Work Either Way. Sealed Ash Pit and Every Other Safety Feature of Practical Value. Satisfactory Operation Guaranteed.

**EXCELLENT CARE—BUT LITTLE WORK:** "It gives me great pleasure to tell you of the good work the coal-burning Colony Hover has done for us. We put it in a house 10x10, with 360 chicks. It took excellent care of them, with a small amount of work. We also placed with this Hover some chicks which were drooping, taken from ordinary box brooders and they brightened up and started to grow at once."—Cherry Valley Poultry Farm, Middleboro, Mass., R. F. D. No. 1, June, 1914.

**"JUST TWO BARRELS OF COAL":**—"This past season we brooded two lots of chicks in our Colony Hover, about 300 chicks to each lot, starting one in April and the other in June, doing so with a loss of only three chicks. As long as they require artificial heat and during this period the stove required just two barrels of hard coal. Our building is 10x10, with a 10x10 annex for additional exercising room. This new style colony brooder certainly beats anything else I ever saw for successful brooding."—H. V. Bump, Cambridge, N. Y., July, 1914.

**"EVERYTHING YOU CLAIM FOR IT":**—"I wish to state that the Colony Brooding Hover is up to everything you claim for it—no trouble to keep fire and it throws a good heat. It goes far ahead of the old way of raising chicks. We raised three lots and had excellent luck. You may use this as a testimonial if you like, and I am sending you the names of a few interested neighbors."—Mrs. J. W. Moyer, Schwenksville, Pa., R. F. D. No. 2, June, 1914.

**HE BROODED FULLY 10,000 CHICKS:**—"After brooding not less than 10,000 chicks this season with the five Colony Brooder Hovers, I wish to inform you that the results obtained were more than satisfactory. I consider this brooding system the best in use and I know what I am talking about when I make this statement, having had various experiences with other systems, from the small lamp brooders to the large hot-water-pipe systems. At present we are making alterations, preparing to install more of the Hovers next year."—W. A. Molter, Springfield, N. J., June, 1914.

**PRICES** Outfit No. 1, 22-inch Heater, 42-inch Dome, Capacity 300 to 600 Chicks, without regulator, \$19.00. Outfit No. 2, same as foregoing, with regulator, \$24.00. Outfit No. 3, same heater, 60-inch dome (for more moderate climate or weather) without regulator, \$25.00. Outfit No. 4, same as No. 3, with regulator, \$30.00. Outfit No. 5, large 25-inch heater, 42-inch dome, capacity 300 to 600 chicks, without regulator, \$21.00. Outfit No. 6, same as foregoing, with regulator, \$26.00. Outfit No. 7, large 25-inch heater and large 60-inch dome, capacity 600 to 1,500 chicks, without regulator, \$27.00. Outfit No. 8, same as No. 7, with regulator, \$32.00. Foregoing prices are all free on board cars, Buffalo, Boston, New York City, Chicago and Kansas City. Prices f. o. b. Dallas and Oakland are \$2.00 per Hover more in each case on account of high freight rates from factory to branch city. Order by naming outfit you want.

**Cyphers Incubator Company, Dept. 31** Home Offices and Factory **Buffalo, N. Y.**

Branch Stores and Warehouses } NEW YORK, N. Y., 41 Barclay St.; BOSTON, MASS., 12-14 Canal St.; CHICAGO, ILL., 329-331 Plymouth Ct.; KANSAS CITY, MO., 317-319 Southwest Blvd.; DALLAS, TEX., 316 N. Preston St.; OAKLAND, CAL., 2127 B'y.

## THE PITTSBURGH SHOW

By Wm. C. Denny

(Continued from page 325)

Elsewhere in this issue is shown an illustration of their four first prize males. The group speaks more emphatically than words can express the similarity of type and the sterling qualities to be found in the Rancoeas strain. M. L. Chapman, who is in charge of the Exhibition White Roek and White Leghorn department, is recognized as one of the most skilful and expert poultrymen in the country. Mr. Chapman reported a heavy demand for Rancoeas White Rocks and Leghorns and said the present season was the best that the farm had ever had.

C. F. Webster, of Girard, Pa., was a successful exhibitor in the White Plymouth Rock class. A number of Mr. Webster's best birds had "gone by". They were in fine fettle earlier in the season when they made record wins at the Greater Buffalo and Williamsport Shows.

E. H. Lichtenwalter, of Girard, Pa., won five firsts and four seconds on nine entries in Buff Rocks. Mr. Lichtenwalter was at the show and reported having made a number of good sales.

The Partridge Rock class was strong in numbers and quality. Bird Bros., Meyersdale, Pa., made a remarkable win as follows: 1-2-3-5 cock, 1-3-4 cockerel, 1-2-3 hen, 1-2-3-5 pullet, 1st young pen and 1st old pen, special for best display, Champion male, Champion female, special for best colored male, best shaped male, best colored female, best shaped female, President's cup for best display of one breed, all Standard varieties competing. Messrs. Bird were at the show and reported that they had never been so well prepared to fill orders for Partridge Rocks and Bronze Turkeys, in which breeds they are recognized as foremost breeders. One of the Mr. Birds judged the Bronze Turkey class at the Madison Square Garden Show.

Wilburtha Poultry Farm, Trenton Junction, N. J., was the most successful exhibitor in the Columbian Wyandotte class, winning 1-2 cock, 1st cockerel, 1-2 hen, 1-2 pullet, 2nd old pen, 1st young pen. These winnings coupled with the record made at the Chicago Coliseum Show in the strong Columbian Wyandotte class shown there, places Wilburtha strain of this variety in the front ranks. Prop. Chas. F. Fisk and Superintendent Geo. J. Kerr were at Pittsburgh during the entire week. Mr. Kerr made several good sales during show week and was of the opinion that the coming year is going to be a good season for poultrymen.

Rhode Island Reds, both varieties, are always strong in numbers and quality at Pittsburgh, and this year was no exception. Orchard Farm of Darien, Conn., made a remarkable win in both varieties. In Single Combs, 1-2 cock, 1-3 cockerel, 1-2-3 hen, 1-2-3 pullet, 1st old pen, 1st young pen. In Rose Combs 1-2 cock, 3-4 cockerel, 1-2 hen 3-4-5 pullet 2nd young pen. No old pens shown. W. H. Card, judge. H. L. Mapes, member of the firm, was in personal charge of the Orchard Farm exhibit. Mr. Mapes was a member of the former firm of Craig & Mapes, who were well known several years ago as breeders and exhibitors of Rhode Island Reds and Buff Orpingtons. Since

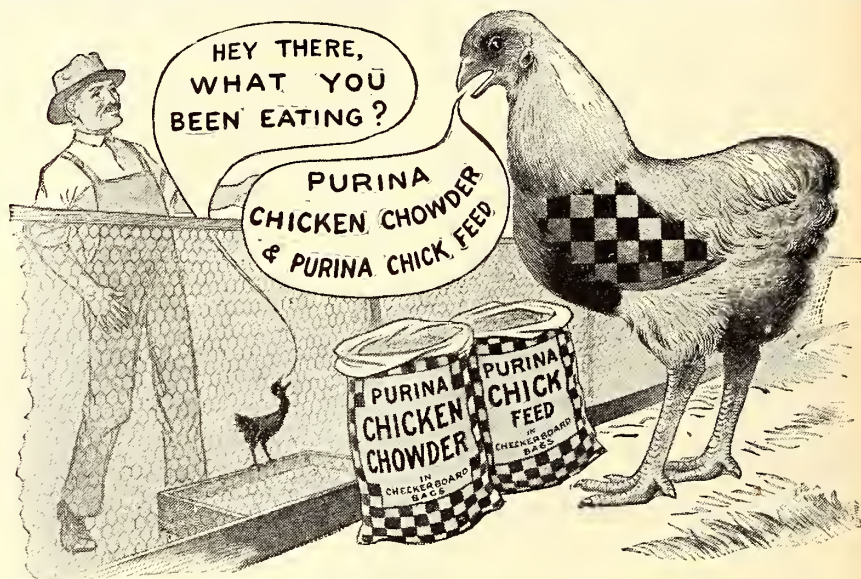
Mr. Mapes removed from Pittsburgh he has devoted his time and attention in poultry matters to Rhode Island Reds and has been highly successful in his efforts to produce exhibition stock. The fowls exhibited by him showed splendid uniformity in type and color. All of his Pittsburgh winners and other winners at this season's shows will be in this year's breeding pens. He is offering eggs and intending purchasers of this variety will do well to look up his advertisement elsewhere in this issue.

C. F. Rankin, of Schenley Heights Poultry Farm, did not enter for competition, but had a display pen of both Single and R. C. Reds and Golden and Silver Campines. Mr. Rankin reported that his breeding pens were mated up for the season's egg trade and that he was booking egg orders. Mr. Rankin's entries made a great record at this year's Palace New York and the Chicago Coliseum Shows.

Dr. W. A. Low, of Catonsville, Md., won 2nd cock, 4th cockerel, 5th hen and

4th old pen in Dark Cornish on seven entries. Dr. Low's 2nd prize cock bird was the well known "Dictator", winner at last year's Madison Square Garden Show. This bird was not at his best at the Pittsburgh Show. Dr. Low said he was grooming him for Madison Square Garden. This bird weighed 14 pounds and has one of the broadest backs ever found in Cornish. He stood well on legs set wide apart and had good color. Dr. Low stated that he was a remarkably good breeder. Fourth prize cockerel, also owned by Dr. Low, was an American bred bird, which makes his win the more remarkable as he was in competition with some of the best birds that were produced in England this last season. He was a big-boned fellow very stylish, with a broad back and breast and weighed 10½ pounds.

We were pleased to make the acquaintance of C. C. Manners, of Mountsville Farms, Specialty Breeder of White Cornish. Mr. Manners' exhibit of this



## Chicken Chowder makes Chesty Chix.

The first six weeks of a chick's life largely determine its future profits. Paying hens grow fast when young. They mature early and begin laying early. Proper feeding of the right balanced ration puts a chick with constitutional vigor into the profit column early and keeps it there longer.

### Purina Chick Feed and Purina Chicken Chowder

(in checkerboard bags) contain just the elements that make chicks develop rapidly and lay early. These feeds, suited to tender digestive organs, will save every possible baby-chick. Use *Purina Chicken Chowder* and *Purina Chick Feed* according to the Purina Feeding Plan, for the first six weeks of a chick's life, and we will absolutely guarantee

## Double development or money back

Don't risk the future profits by using unknown or home-made feeds. *Purina Chick Feed* and *Purina Chicken Chowder* insure the quickest and largest profits. Insist on the original bag. Sold only in CHECKERBOARD BAGS.

**POULTRY BOOK FREE** For your dealer's name we will send you this 48-page Poultry Book, containing plans of houses, breeding and feeding charts, space for daily egg records, cures of diseases, care of baby chicks, etc., and information about Col. Purina's half priced galvanized Iron Chick Drinking Fountains (2 for 25c), feeders, etc. Write today

Col. Purina, Purina Mills, 817 Gratiot Street, St. Louis, Mo.

**Trial Offer:** If your dealer cannot supply you with Purina Chick Feed and Purina Chicken Chowder send us \$5.00 and we will ship you a 100-lb. bag of each by freight collect.

**To Retail Merchants:** If your jobber cannot supply you with Purina Chick Feed and Purina Chicken Chowder send us your order for not less than 200 lbs. and we will see that it is delivered to you at regular dealers' prices—packed only in 100-lb. checkerboard bags and in 100-lb. checkerboard bales containing twelve 8½ lb. packages. A checkerboard bag insures highest quality.

variety was the best that we have ever seen. Any of the birds exhibited by him closely approached the Dark Cornish in type size and bone. First prize cock bird was a splendid specimen that was short and very broad. His back measured 7½ to 8 inches across and his legs were short, thick and set well apart. First prize pullet was another unusual specimen. She had wonderful type, being very broad on back and breast, was close feathered and weighed 7¼ pounds. In speaking of the utility values of White Cornish, Mr. Manners stated that he has a three years' egg average of 153 eggs per hen per year from a flock of 100 females. It is my opinion that there is no other variety equal to the White Cornish for crossing where it is desired to improve the quantity and quality of flesh. A White Leghorn male, crossed on White Cornish females, will produce the very finest type of broiler.

We were pleased to make the acquaintance of Paul Hofius, of the firm of Houston & Hofius, breeders and exhibitors of Light and Red Sussex. This firm has recently purchased the entire flock and good will of these varieties from the Rawnsley-Shields Poultry farm. We were agreeably surprised with the improved markings found in the Houston & Hofius exhibit of Light Sussex. The markings in the hackle and the color of wings and tails have been much improved during the past year or two. The 1st prize Red Sussex cockerel at Pittsburgh was also first at Chicago. Mr. Hofius reported that great interest was being taken in all varieties of Sussex and that he was having a very satisfactory demand for stock and eggs.

Len Rawnsley, of the firm of Rawnsley-Shields, after judging at Pittsburgh, left for the Detroit Show, where he was also one of the judges. At Pittsburgh Rawnsley-Shields Farm made a small entry in Light Sussex and won 1st cock, 1st cockerel, 1st hen and 1st pullet. Rawnsley-Shields Poultry Farm also breeds Buff Orpingtons, in which variety they made splendid winning at Buffalo, Hagerstown and Chicago.

The quality of Buff Leghorns shown at Pittsburgh was above the average. In a strong class Wilburtha Poultry Farm won 1st and 5th cock, 1st and 3rd cockerel, 4th hen, 2nd and 5th pullet, 1st old pen, 2nd young pen. 1st prize cockerel was the champion bird of the class and won special for best color. He possessed good type, even rich surface color, coupled with sound under-color and solid buff wing and tail.

John W. Yant, a well known Barred Rock breeder of Canton, Ohio, was a visitor at the show and spent considerable time in the Barred Rock aisle. A. P. W. readers will remember that Mr. Yant made a splendid winning at the Chicago Show (See report in January A. P. W.) Mr. Yant is well prepared to furnish high class stock and eggs at reasonable prices. Look up his advertisement elsewhere in this issue.

Louis Vierheller, of the firm of Vierheller Bros., breeders of Buff Rocks and Silver Campines, was an interested visitor at the show. Earlier in the season his birds had won at Buffalo, Williamsport and Rochester. He advised us that there was an increasing demand for Buff Rocks at good prices.

Geo. W. Webb, manager of the Genesee Cooping Co., Rochester, N. Y., was superintendent at Pittsburgh. Mr. Webb in-

formed us that his company's business had expanded to wonderful extent and the week of the Pittsburgh Show they were cooping five different shows. During the season this concern has cooped a number of the larger shows, including Buffalo, Chicago, Cleveland, Detroit, Pittsburgh and Rochester.

**GOLDEN RULE BARRED ROCKS**

Readers interested in the ever popular Barred Rock should refer to the advertising of G. N. Cole, 263 Breckenridge St., Buffalo, N. Y., who becomes an advertiser with this issue of A. P. W. Mr. Cole breeds the E. B. Thompson and Yama Farms strain of Barred Rocks and at four shows this season he was awarded six firsts, five seconds, two thirds, two fourths, two fifths and numerous specials, proving conclusively that he is maintaining the quality that has made these strains famous. We are advised that he has a few choice cockerels that are moderately priced, as he needs the room for spring breeding operations. He is also booking orders for hatching eggs from either cockerel or pullet matings at \$3 per 15. Mr. Cole will be glad to hear from A. P. W. readers and assures all of Golden Rule treatment as his business is established on Golden Rule principles. Better write him today.

**INCUBATOR SCALE**

Attention is called to the advertisement of the Incubator Scale Company, Charleston, W. Va. For further information regarding this device, which is designed to tell the operator whether or not the eggs in the incubator need moisture, send directly to them for their printed matter, kindly mentioning A. P. W.

**S. C. WHITE AND BROWN LEGHORNS** Strong, vigorous one and two year old breeders. White and Fawn and White I. R. Ducks (Cook's and Fishel's Strains), hens or ducks eggs \$1.00 per 15, \$5.00 per 100. Special matings (white only) \$3.00 per 15, \$5.00 per 50. Baby chicks that live and grow, April \$12, May \$10.00 per 100. Satisfaction guaranteed. **Booklet Free.** A. FISHER, R. 2 W, CANASTOTA, N. Y.

**MAGNETA POTLTRY FARM, Established 1898.** SINGLE AND ROSE COMB R. I. REDS. Eggs by settings or hundreds. Magneta Reds were winners in 1913-1914-1915 at such shows as Madison Square Garden, Boston, Springfield, Mass., Los Angeles, Denver, Indianapolis, Cleveland, Richmond, Baltimore and Vermont State Fair. **Free Circular.**  
F. E. WOODARD, EAST LONGMEADOW, MASS.

**"PREMIER" PARTRIDGE WYANDOTTES**  
WINNERS AT BOSTON AND NEW YORK.  
At Boston we won as many firsts as all competitors combined. At Madison Square Garden we won 1-3-5 hens, 2-3 cockerels, 2nd pullet, 1-2-5 pens.  
Send for mating list. Eggs \$5.00 per setting of 15.  
SHEFFIELD FARM, GLENDALE, OHIO

**ORCHARD FARM REDS**  
Close the show season by winning at Madison Square Garden display specials in both single and Rose combs and Spratt's Patent special for best Red hatched in 1914. Look up our complete winnings at Pittsburgh and Madison Square Garden and write at once for mating list.  
Orchard Farm, Noroton Heights, Conn.

**THE STANDARD COLONY BROODER \$15.00**  
ALL SOLID CAST IRON

Complete with chick-proof double disc, automatic regulator. Burns hard coal or natural gas (oil too expensive). Guaranteed greatest radiating power per pound of coal. Burned 68 hours on one coaling and one shaking down from January 28th to January 31st, no coal added during test. It will work in the largest room, in the smallest room or in a piano box coop. Large self-feeding magazine. Perfect and positive ventilating system. Large size genuine rocker furnace grate that will drop more clinker than any other regardless of size and will not clog. Large 52 inch removable hover with the removable curtain coming to within 2 inches of litter preventing chilling of chicks and insuring accurate regulation of temperature and stopping draft. Guaranteed to do anything any colony brooder will do regardless of what it costs.



Shipped on Thirty Days Free Trial.

**STANDARD BROODER STOVE CO., CLEVELAND, OHIO**

**LOCKWOOD'S REDS**

"Red Jackets" is the strain name by which A. M. Lockwood's S. C. Rhode Island Reds are known, and it is very appropriate as they possess that beautiful color for which Reds of the better quality are known. A "Red Jacket" Red cock won first honors in a large and beautiful class of Reds at the Greater Buffalo Show in November and he is now at the head of one of the Lockwood breeding pens from which A. P. W. readers can purchase hatching eggs. The Lockwood announcement will be found on another page in this issue. You had better look it up, the index will locate it for you. When writing for information or prices, be sure and mention A. P. W. and address A. M. Lockwood, 333 Downing St., Buffalo, N. Y.

**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

**CHESTNUT RED FARM SUSSEX**

29 Prizes awarded on 31 birds shown. Eggs \$3.00 to \$30.00 per 15. Infertiles replaced if returned by 10th day.

**NO CIRCULARS—OR LISTS**  
Write your exact needs and get personal reply. Birds \$3.00 up.

**HACKENSACK, N. J.**

### POULTRY WORK AT THE NORTH CAROLINA EXPERIMENT STATION

PROF. B. F. KAUPP IN CHARGE OF POULTRY INVESTIGATIONS SUBMITS SOME TIMELY ADVICE ON VARIOUS TOPICS. GRAIN AND MASH RATIOS USED AT THE STATION. EGG PRODUCTION

To secure a goodly number of eggs it is necessary to make the proper selection of hens. In breeding one should select for longevity, use late moulters, select early producing pullets, use fall and winter layers, select heavy eaters, select early risers and late retirers, select mature birds.

We believe it pays to keep pure bred poultry because they are more reliable in breeding, greater egg producers, superior in meat quality,—mixed breeds tend to revert. Pure bred first cost of starting is but little more and it costs no more to keep them. One should secure better results in feeding, better hatching quality, less broodiness, more attractive appearance. Size, shape and color of egg more uniform, can sell eggs and stock for breeding, has greater selling value, can start up-to-date, great pleasure as well as profit.

Laying hens should be kept warm and protected from storms. We recommend the open front house with perfectly tight back, sides and roof so there will be no draught upon the birds. We are preparing some blue prints and instruction sheets for those of our state who desire them. One building will accommodate 12 birds, another, a two-unit house, with 30 or 15 in each unit; and still another unit house, 200 or 100 in each unit.

To keep the hens happy they should have about a foot of wheat or oat straw in the bottom of the house into which the scratch feed should be thrown. The dropping board should be cleaned at least twice a week and still better, once a day. It is necessary to keep the birds free from lice and chiggers. To do this it is necessary to frequently clean and spray the nests and walls, cracks and crevices of the whole building, using a 1 to 5 per cent. solution of creolin, kreso, or other good coal tar disinfectant and pour kerosene on the roosts and dust insect powder among the feathers of the birds, stroking the feathers forward so as to get the powder to the skin. Vermin weaken birds, and lay them open to attacks of disease and are indirectly the cause of more loss from death, egg production and flesh than any other one cause.

The birds should not be frightened by strangers and dogs, etc., entering their premises.

The first feed should be given about 7 o'clock in the morning and should be thrown in the straw in the hen house so the hens will be kept busy scratching for an hour or more. This is called scratch feed No. 1.

Dry mash should be kept in slatted hoppers in such a way that they cannot throw it out and this feed should be kept before them at all times.

The second scratch feed should be given about 3 o'clock in the afternoon and should be thrown in the hen house so as to make them work for it. This is called scratch feed No. 2.

Scratch feed No. 1, used in our work at the station plant at the present time, consists of the following:

- Wheat .....1 part.
- Oats .....1 part.

Scratch feed No. 2 consists of the following:

- Sifted cracked corn (coarser part) .....2 parts
- Wheat .....1 part
- Oats .....1 part

The dry mash consists of the following:

- Wheat bran .....3 parts
  - Wheat middlings ..2 parts
  - Ground oats .....2 parts
  - Corn meal .....1 part
  - Cottonseed meal ....1 part
  - Meat scrap .....1 part
- Thoroughly mix.

In addition to this, skim milk, clabber or buttermilk should be given. If the birds cannot get green feed they should be given once a day, cabbage, mangles, or any other green feed.

Any questions will be cheerfully answered if you will write the department in regard to any point not understood.

**LITTLE'S ROSE AND SINGLE COMB REDS** are supreme. Forty years a breeder. I have bred thousands of prize winners and furnished birds for the largest shows in this country. Can spare a few eggs at \$10.00 for 15 eggs from four of the best pens ever put together. A few Single Comb cockerels and pullets for sale of same of high quality. No Circluar. Address, **GEO. W. LITTLE, 700 Wash. St. SO. BRAintree, MASS.**

## QUALITY QUALITY QUALITY

S. C. White Leghorns and both combs of R. I. Reds. Our 1915 Pens contain 2nd Buffalo, 1914 cockerel, 2nd Buffalo old pen. 4th Buffalo Hen, and following Silver Creek winners, 1914. 1-4 cockerels, 1 cock, 1-2 hens, 1-2 pullets, 1 old pen, 1 young pen. Best cock and hen in the show. Best pen in show. Above are Leghorn winnings. On S. C. Reds, 1 pen, 1 pullet, 3-4 cockerels, 2 cock, and best Red in the show. On R. Combs, 3 cockerel and 2 pen, winning 8 specials and 2 silver cups. **Eggs and Baby Chicks for sale. Send for our mating list. Address**

**Poultry Dept., EAGLE BAY FARM, F. A. House, Mgr., SILVER CREEK, N. Y.**

### TOLMAN FRESH AIR STRAIN

## WHITE PLYMOUTH ROCK BABY CHICKS

Are now ready. The broiler and soft roaster strain \$15.00 per 100. All from my own pens.

**JOSEPH TOLMAN, R. F. D. 1, Dept. G, ROCKLAND, MASS.**

## The modern chicken doctor



treats the flock rather than the individual bird. He knows that most of the troubles are flock troubles, though not apparent in all at the one time. He knows that most sickness of Chicks, Chickens or Pigeons comes from infected food and drink, or defective housing. His favorite prescription is Germozone.

Germozone is generally used for flock treatment, though individually where necessary. Thousands give it twice a week regularly, a little in the drinking water. It is a great bowel regulator as well as a germ destroyer and, with chickens as with humans, the bowels largely gauge the health.

Germozone is especially desirable for use during changeable fall weather, warding off illness, which, if permitted a foothold, may drag along all winter, if not immediately fatal.

For Roup, Canker, Swelled head, Sore throat, Sour crop, Loss of feathers, Chicken pox, Bowel complaint, Cholera, Worms, Gapes, etc., Germozone carries a full guarantee with every package.

Germozone is a valuable remedy for all domestic stock

- 4 oz. bottle (trial size) \$ .25
- 32 oz. bottle (for steady users) \$1.00
- 12 oz. " (standard size) .50
- Gallon " (for large flocks) 3.00

Tablet form 50c per package, post paid. Liquid form sold by most druggists or poultry supply dealers or delivered (in \$1.00 and \$3.00 sizes) prepaid to any express office in U. S. Sample and Booklet Free on Request.



**GEO. H. LEE CO. Dept. 13. Omaha, Nebraska**



**THE WORK OF THE POULTRY SCIENCE DEPARTMENT**

In the college there is given a complete course in poultry culture. The department is being equipped with a students' working laboratory in which to give practical work to the poultry classes in egg candling, grading market eggs, finishing (fattening) birds for market, dressing and grading birds, shaping and scoring, caponizing, dissection and autopsy, judging pure bred birds, preparing insect powder and other practical work.

There is being prepared a poultry appliance demonstration room where the student may study modern appliance and equipment, models of building as well as feed samples, grades of feathers and market prices, egg cases and containers, feeds, feed troughs, water containers, brooders incubators shipping, exhibition and fattening crates, trap nests, and many other things.

An incubator cellar is provided with incubators from 60-egg capacity to the mammoth, with egg storage cabinet and a grain sprouting equipment.

In the station work there is work started in combined plant and laboratory. Colony house and yard system contains pure bred birds of different kinds. The problem will be to breed them to standard. They will be used to introduce new blood into the flocks of the state by offering eggs and birds in season at reasonable prices. They will be used in class work. Practical nutrition experiments will be begun at two of the sub-stations, beginning April 1, 1915. The building of a greater egg laying strain, using S. C. White Leghorns, and scientific selection and matings along the lines of Mendel's law is in progress. The building up of a greater broiler type by using S. C. Rhode Island Reds along similar lines.

A further study as to the cause of chick mortality and the investigation of contagious diseases are among the problems.

**THE U. S. GOVERNMENT WHITE-WASH**

Many people argue against the use of lime about poultry because often the air slacked lime thrown around contains some not yet slacked which burn the feet of the birds if they step on it. Then lime is rather irritating to the skin of the feet and the legs of the birds and in pure bred birds where it is the desire to keep the plumage nice, it rubs off on their plumage wherever they get against it.

The government whitewash has been used by us satisfactorily, both on the outside and inside of the building and on the fences. It does not readily rub off and is durable and gives a thrifty and cleanly appearance to the premises. It must be properly mixed and applied to get satisfactory results. The following is the formula:

Take half a bushel of unslacked lime; slack it with boiling water, cover during the process to keep in steam, strain the liquid through a fine sieve or strainer and add to it a peck of salt previously dissolved in warm water, three pounds of rice boiled to a thin paste and stirred in while hot, half a pound of Spanish whiting and 1 pound of clean glue, previously dissolved by

soaking in cold water and then hang over a slow fire in a small pot hung in a larger one filled with water. Add five gallons of hot water to the mixture, stir well, and let stand for a few days covered from dirt. It should be applied hot, for which purpose it can be kept in a kettle or portable furnace. Add two parts of carbolic acid as a disinfectant.

**FINISHING EXPERIMENTS**

Old birds or broilers should be finished (fattened) before sending them to market. The better the grade the higher price they bring. In this extra feeding one gains from two standpoints: first, an increase in weight which will compensate for feed and labor; and, second, a better price. Birds should be confined in coops so as to prevent exercise and given all the feed they will clean up at each meal. The kind of feed depends on whether they are adult birds or broilers. They should be fed two to three weeks.

A practical nutrition feeding experiment is planned by this department during January. A summary of the results will be published in the monthly circular and the details of the experiment will form material for a special bulletin.

**OLD'S SEED CATALOGUE**

We have just received from the L. L. Old's Seed Co., Madison, Wis., whose advertisement appears in this issue, their 1915 seed annual. While this firm has always issued an interesting and attractive catalogue, this season's book is larger and more interesting than ever. The list of varieties is most complete and they lay great stress on the quality of Wisconsin grown seeds. They not only list garden and flower seeds but a complete line of poultry supplies. On page one they outline their purpose as follows: "To have the best of everything, to send out a neat, attractive catalogue with truthful illustrations and descriptions, to be prompt, to be courteous, to be satisfied with small profits, to be honorable in our dealings and to treat every customer so that he will want to order again. In short, to treat him as we would like to be treated." This appears like an absolutely fair policy and we would suggest that all readers in need of seeds send today for a copy of this catalogue. Address as above.

<p><b>ROSE COMB</b></p> <p>We are booking orders for eggs from our New York State Fair, Greater Buffalo and Rochester winners at one-half former prices. From such stock as first cock at Buffalo, first pen at New York State Fair at prices unheard of for such quality. Our prices for eggs are \$5.00 per setting of 15 eggs for the best; \$3.00 and \$2.00 for eggs from exhibition pens. Book orders early. We have some late hatched pullets for sale at a bargain. ALSO, stock of all description for sale at bargain prices. Mating list ready.</p> <p style="text-align: right;">Red W. Farm,</p>	<p><b>PRINCESS REDS</b> <b>DISTINCTION IN REDS</b></p>	<p><b>SINGLE COMB</b></p> <p style="text-align: right;">Wadsworth &amp; Caster, Wolcott, N. Y.</p>
--	--	--

**LISK'S White Wyandottes**

Again make a good win at Rochester, December, 1914. My first old pen is the sensation of the season. One of the best White Wyandotte pens ever shown. Pens are mated with birds that must produce some stars. I am very careful in breeding for vigor and egg production as well as show points. Every bird is *strong, vigorous, snow white*, with fine *Wyandotte type* and 14 years experience in mating and breeding back of them. Why not try the strain that win as well as lay. The strain that has been the foundation of many large and successful farms.

Best eggs \$5.00 per 15, \$24.00 per 100.

**Fred C. Lisk, Box L, Romulus, N. Y.**

**HEIGL'S SINGLE COMB WHITE LEGHORNS**

Bred to lay and entered in three of the largest laying contests of America.  
Hatching eggs at \$2.50 per 15, \$6.00 per 50, \$10.00 per 100.  
Baby chicks \$10.00 per 50 and \$18.00 per 100.

**HEIGL'S POULTRY FARM, ROCKY RIVER, OHIO**

**McLEAN'S S. C. R. I. REDS  
NONPAREIL STRAIN**

The Sensation of the Boston 1915 Show was my 2nd prize cockerel, which also won color special in the hottest class of Reds that was ever gotten together. At the great Hartford Show I won 1st, 4th and 6th cockerel, and Championship male over both combs, 89 competing; at Springfield 1st pullet and color special, 2nd cock and 2nd hen; at Waterbury, 1st cock and color special, 1st and 3d hen, 1st pullet and color special and 2nd pen. My Reds breed true to type and color and are heavy layers.

Write for mating list. If you wish to be a winner get eggs from a "NONPAREIL".  
**S. G. McLEAN, SO. GLASTONBURY, CONN.**

**BIG EARLY HATCHES**

Make it possible for us to offer you

**BABY CHICKS**

After March 1st from our celebrated laying strain of

**S. C. BUFF ORPINGTONS**

All chicks sired by sons of 200 egg hens.

Hatching eggs 90 per cent. fertile.

**Cherry Lane Farm Co., O. Wilson, Mgr., Oak Hill, W. Va.**

## BOLGIANO'S POULTRY SHOW

THROUGH THE ENTERPRISE OF J. BOLGIANO & SON A VERY REPRESENTATIVE POULTRY SHOW WAS HELD IN BALTIMORE. DOOR RECEIPTS GIVEN TO CHARITY

BY T. J. GALLAGHER

Owing to some difficulty in securing a suitable exhibition space the regular Baltimore Poultry Show was passed for this season. But Baltimore was not without its poultry exhibition as the enterprising firm of J. Bolgiano & Son staged a creditable exhibition on the fourth floor of their poultry supply house.

More than one thousand specimens of poultry were attractively caged in Empire coops and Secretary Fred. H. Thayer was deserving of all the compliments bestowed upon him for his efficiency in conducting the business end of the show.

When it was learned that the regular Baltimore Show would not take place Chas. Bolgiano of the above mentioned firm volunteered to conduct a poultry show at his own expense and turn the proceeds from admissions over to charity. Upwards of 6,500 people attended the exhibition which was equal to many of the shows conducted by regularly organized associations, with but one exception, and that was that each and every one visiting the show appeared to be deeply interested in some branch of poultry culture. There was a conspicuous absence of the curiosity seekers that are usually present at exhibitions of this nature.

The exhibition, as a whole, was one of quality and all exhibitors in attendance reported good sales of stock and eggs. The Barred Rocks were the largest classes with the Rhode Island Reds, S. C. White Leghorns and White Orpingtons following in the order named. The awards were placed by the veteran, G. O. Brown, and A. E. Warner, both of whom paid their compliments to the exhibition and the house of Bolgiano & Son in very flattering terms.

On Wednesday afternoon a committee of exhibitors presented Mr. Bolgiano with a beautiful floral offering in appreciation of the services rendered in giving the exhibition and thus furthering the poultry interests of Baltimore and the surrounding country.

In closing I wish to say that the firm of J. Bolgiano & Son are one of the largest Seed and Poultry Supply houses in the south. They enjoy the confidence of a wide circle of patrons and added many new ones by their enterprise in giving this section a real poultry exhibition. We trust that the success of the venture will decide them to make it an annual event.

### A CORRECTION

On page 235 of our February issue we published an illustration of Owen Farms' second pen cockerel at the Coliseum Chicago Show. Through an oversight the foot note intended for insertion with the illustration of the first prize Coliseum cockerel was published underneath this cut. Elsewhere in this issue will be found an illustration of the first prize cockerel, together with the foot note above mentioned.

### PEKIN AND ROUEN DUCKS

F. A. Tiffany, Phoenixville, Pa., who is well known to A. P. W. readers, has an interesting announcement in this issue. Mr. Tiffany is now well established on his new farm at the above address and extends his best wishes to all A. P. W. readers, many of whom have had dealings with him in the past. He will be pleased to hear from all old friends and will welcome new acquaintances, so all those interested in either Pekin or Rouen Ducks or Silver Wyandottes are extended a personal invitation to write him their wants with the assurance that the same satisfactory treatment afforded in the past will be forthcoming. Mr. Tiffany makes a specialty of hatching eggs, baby chicks and baby ducklings. All interested should mention A. P. W. and write for circular and prices.

### Howland's Buff Wyandottes and White Houdans

Madison Square and Boston winners. A limited number of White Houdan eggs one dollar apiece.

STUART A. HOWLAND,

GRANVILLE, N. Y.

## CHICKS 400,000 For 1915

From flocks winning at Chicago, Boston and Cleveland. Strains having 256 egg average. White and Brown Leghorns \$3 per 25—\$5.50 per 50—\$10 per 100. Buff Leghorns, Barred, White or Buff Rocks, White Wyandottes, R. I. Reds, Black Minorcas and Anconas, \$3.50 per 25—\$6.50 per 50—\$12 per 100. White and Buff Orpingtons \$4.50 per 25—\$8 per 50—\$15 per 100. Safe arrival and satisfaction guaranteed. Catalog free. Best Coal Colony Brooder-Stove made \$15. Get your order in early.

CLEVELAND HATCHERY,

7918 W. Madison Ave.

Cleveland, Ohio.

## MONARCH STRAIN MAMMOTH BRONZE TURKEYS ROUEN DUCKS

Buffalo, Rochester and Madison Square winners have a few extra fine Toms and pullets for sale in Turkeys also both drakes and ducks in Rouens. To make room will sacrifice 15 Toms and White Runners at \$2.00 each. Take a "tip" they are beauties. A few cockerels and pullets for sale in Barred Rocks and Buff Leghorns. Write your wants to "THE MAPLES". A. G. Barlow & Son, R. E. Barlow, Mgr., MEDINA, N. Y.

## FELLOW'S FAMOUS FARM RAISED BUFF WYANDOTTES

Winning at Rochester N. Y. December, 7-12, 1914. Buff Wyandotte state meeting Best exhibit, 6, 7 cock; 5 hen; 2, 4, 5 cockerels; 1, 4 pullets. Color and shape special on pullets. Champion female. 1, 3 pens young; 3 pen old; 11 places in 12 entries. A few high class cockerels for sale. Send for mating list, when writing mention A. P. W.

E. B. FELLOWS,

R. F. D. No. 1,

SCOTTSVILLE, N. Y.

## FACTS BOILED DOWN



This is what the Magic Egg Tester will do before incubation.—Picks out the best eggs for hatching. Throws out the weak eggs. Rejects old ones. Saves many eggs, time and money. During incubation it is a perfect moisture regulator. What the manufacturers do:—Give every purchaser one year's trial and refund cost if not satisfied. Complete \$2.00. No expense to use. Orders shipped Parcel Post same day as received.

Magic Egg Tester Works,

Dept. K,

Buffalo, N. Y. and Bridgeburg, Can.

## Sunnybrook Farm White Wyandottes

Win best display at Buffalo, 1914, 1st cock, 3rd, 4th hen, 2nd cockerel, 3rd young pen, 1st old pen. This strain has been winning for years and is reliable. We never had better pens mated. Our COLUMBIAN WYANDOTTES are unsurpassed. Four out of five firsts at N. Y. State Fair this season. Utility WHITE LEGHORNS that are heavy layers and have NO BARRON or FOREIGN blood. Eggs that will hatch. Address

CHARLES D. CLEVELAND,

Box W,

EATONTOWN, N. J.

## REDS -- REDS -- REDS

At the Chicago Show, December 11-16, 1914, in the greatest Red class ever shown in America we won:

ROSE COMBS, 1st and 2nd cockerel; 1st old pen and 3rd hen. SINGLE COMBS, 2nd, 3rd and 6th cockerel; 4th hen; and 4th old pen and 2nd pullet.

This win with the sweep we made at the Grand Central Palace Show, New York, December 1-6, 1914, proves that we have the goods. Eggs and stock for sale.

SCHENLEY HEIGHTS POULTRY FARM,  
1202 COMMONWEALTH BLDG., PITTSBURGH, PA

**PREPARE NOW FOR SUCCESS  
NEXT YEAR**

By C. T. Patterson

Missouri State Poultry Experiment Station,  
Mountain Grove, Mo.

(Continued from page 331)

ONE HEN TAKEN AS UNIT.		ONE HEN TAKEN AS UNIT.		ONE HEN TAKEN AS UNIT.	
Name of Breed	Aver. wt.	Feed cons. in one year	Aver. wt. of eggs	P. C. of hens broody	Rel. P. C. sick birds
Leghorns	3.60 lb.	71.3 lb.	2.11 oz.	59	10
Anconas	3.40 lb.	67.3 lb.	2.29 oz.	60	8
Campines	3.12 lb.	64.5 lb.	2.07 oz.	0	15
Minorcas	5.02 lb.	77.7 lb.	2.28 oz.	53	20
Wyandottes	5.75 lb.	74.5 lb.	2.03 oz.	371	12
Reds	5.98 lb.	91.5 lb.	2.24 oz.	269	5
Rocks	6.25 lb.	91.8 lb.	2.13 oz.	255	10
Orpingtons	6.36 lb.	81.6 lb.	2.17 oz.	345	13
Langshans	6.53 lb.	96.5 lb.	2.17 oz.	288	7

**ONE HUNDRED POUNDS OF HENS TAKEN AS THE UNIT.**

Name of breed	Approx. No. birds per 100 lbs.	100 lbs. feed produced when fed to	100 lbs. feed lasted 100 lbs. of hens approx.	Profit 100 lbs. feed & 100 hens	Profits per hen per year
Leghorns	28	268 eggs	21 days	\$3.71	\$2.13
Anconas	30	300 eggs	23 days	4.35	2.13
Campines	32	225 eggs	19 days	2.85	1.64
Minorcas	20	203 eggs	26 days	2.41	1.59
Wyandottes	17	251 eggs	27 days	3.37	2.27
Reds	17	201 eggs	24 days	2.37	1.83
Rocks	16	188 eggs	26 days	2.11	1.90
Orpingtons	16	230 eggs	36 days	2.95	1.61
Langshans	15	179 eggs	27 days	1.93	1.56

A close study of the above figures indicates that many popular theories are incorrect. One theory is that the larger birds lay large eggs. But where all the eggs were weighed it shows that the Ancona, which is smaller than the Leghorn, lays the largest egg of all the breeds tested.

Another theory is that the medium sized or all purpose breeds do not lay as many eggs as the egg breeds like the Mediterraneans. One reason given is that the all-purpose breeds lose so much time brooding, but the records show that the Wyandottes laid the greatest number of eggs and also went broody the greatest number of times. It looks like the question to be considered here, is whether it is better for the hen to spend her vacation on the nest or loafing about the yard.

One of the most interesting facts observed in compiling these figures was that where two or more pens of the same breed were compared as to the amount of feed consumed and the number of eggs laid. Theory says that if two pens weigh exactly the same that the pen laying the greatest number of eggs would consume the largest amount of feed, but the records show that it is just as often the reverse, that the pen laying the greatest number of eggs consumed the smallest amount of feed.

The same principle is noticed in the human family, that some small men are great eaters while some large men are small eaters. It seems to be an inherited tendency or ability to utilize the

food. Some hens have the tendency or ability to turn the surplus food into eggs while others store surplus in fat. We often find a reasonable amount of the fat, but the extremes are not combined in one bird any more than the race horse and draft horse are combined in one ani-

mal, or the beef and dairy types combined in one cow.

Seventy per cent. of all birds gained weight from April to August, 15% remained the same weight and 15% lost weight. The birds which gained weight

averaged 162 eggs per hen while all the others laid 155 eggs each. The medium weight birds in each breed were the best layers. The extremes, both large and small were the poorest layers. All the high layers were medium weight.

**SALE OF STOCK**

Waltham, Mass., Jan. 20, 1915.

Editor A. P. W.—

We sold our entire flock of Partridge Plymouth Rocks, including cuts, good will, etc., to A. Geoffrey Smith, 20 Houston Ave., Mattapan, Mass. We can recommend Mr. Smith as an enthusiastic fancier of strictest integrity, and we know that these birds in his hands will give a good account of themselves.

GROVE HILL POULTRY YARDS,  
By F. C. Cook, Superintendent.

**EGGS 12 CENTS A DOZEN**

By the new discovery, "OCULUM".

Let us send you our \$100.00 free offer and tell you how to raise most of your chickens by the celebrated "Oculum Method". Western Poultry Journal, Cedar Rapids, Ia. says: "Oculum" is "Making Good" wherever tried. D. B. McNeil, Cunningham, W. Va. says: "I was getting 20 eggs a day when I commenced the "Oculum Method" 3 weeks ago. Today I got 300". G. E. Worthington, Lake Park, Ga. says: "By the "Oculum Method" I have out of 1000 hatched, over 975 six weeks old and they average over a pound". **ROUP, CHOLERA AND W. DIARRHEA PERMANENTLY CURED.** Money back, if "Oculum" fails. If your dealer hasn't "Oculum" write us. 50 cent and \$1 bottle postpaid. Booklet Free.

H. I. CO. Box Q, Salem, Va.

**Another Taylor Columbian Rock Win  
At The Chicago Coliseum December 1914 Show**

In the best quality class ever shown in the Central West, I made six entries and won six regular prizes. 2nd Cock, 1st hen, 2nd and 5th cockerel, 1st and 3rd pullet, Special for best shaped male, best shaped female, best colored female. My strain is noted for strength of color markings, splendid shape, vigor and heavy egg yield. Send me your eggs orders, I guarantee to please you. Eggs \$5 a setting. Mating list on request. Choice cockerels and pullets for sale.

JAS. H. TAYLOR, R. R. 5, WOODSTOCK, ILL.

**S. C. BUFF ORPINGTONS**

Last year we won many prizes. To date this year we have doubled on our winnings, the most note worthy being at the Providence, R. I. show, where in keen competition our awards were 1st, 2nd, 3rd on hens, 1st, 2nd, 3rd on pullets, 2nd and 3rd on cocks, 1st and 3rd on cockerels, and 2nd and 3rd on pens. Shape and color specials on hens and pullets. Shape and special on cockerels. Cup for best display and challenge cup for best Orpington in show. A few grand cockerels for breeding or exhibition purposes for sale. Hatching eggs and baby chicks in season.

SUNSET POULTRY YARDS, C. E. Seigel, Prop., 68 DANIEL AVE., OLNEYVILLE, R. I.

1915 National Barred Rock Club Meet Winners.  
At the annual meeting of the American Barred Rock Club at Pittsburgh

**Resseguie's Barred Rocks  
WIN SEVEN OF TWELVE FIRST PRIZES.**

My complete winnings were 1-3 cock on two entries; 1-3 cockerel, two entries; 6-7 hen, two entries; 2-3 pullet, two entries; 1st pullet-bred cock one entry; 1-3 pullet-bred cockerel, two entries; 1-3 cockerel-bred hen, two entries; 2-3 cockerel-bred pullet, two entries; 1st old pen, one entry; 2-3 young pen, two entries; 1st cockerel-bred pen, one entry; Special Best Display Champion male, best shaped male, best colored male, champion pullet-bred male, champion cockerel-bred female, regular prize on every entry, establishing the greatest record ever made at a National Meeting.

**Stock and Eggs for Sale**

Mated pens and trios a specialty. Eggs from first-class matings \$5.00 per setting. Send for illustrated mating list.

L. B. Resseguie, Box 222, Millers, N. Y.

**PARKS' BRED-TO-AND-DO-LAY STRAIN OF BARRED PLYMOUTH ROCKS  
ARE AMERICA'S OLDEST AND GREATEST LAYING STRAIN**



They have been carefully selected, trapnested and pedigreed for eggs since 1889. They are the one strain that have actually layed their way into popularity and are the strain that put the lay into the BARRED ROCK FAMILY.

It's the strain the foremost breeders in the country today are using to improve their egg yields. You'd be surprised to see the number of Madison Square Garden winning breeders that we have for customers. They realize that the utility side is fast winning out, and that their customers are demanding eggs as well as fine feathers.

While eggs have always been our first consideration we have kept close enough to the standard requirements to win a share of the blue as our records show.

No more stock to spare until after May 15th.

**EGGS** SELECTED, \$5-15; \$8-30; \$11-50; \$20-100  
UTILITY, \$2-13; \$6-45; \$12-100

Chick and Egg Circular FREE.

**DAY-OLD CHICKS**

Large 40-page catalogue that supplies the missing link in poultry literature a dime.

J. W. PARKS,

Box W,

ALTOONA PA.

**THE CONNECTICUT EGG LAYING CONTEST**

**SCORING THE LAYERS. RESULTS FOR JANUARY. OBSERVATIONS ON FEEDING MILK. PRODUCTION SHOWS INCREASE OVER LAST YEAR**

By WM. F. KIRKPATRICK.

The judging of the birds in the laying contest is nearly finished. What was said in previous reports in regard to the Plymouth Rocks and Wyandottes being cut more for color than for shape seems to be largely true of the other breeds. Tabulation of the score cards for the Rhode Island Reds shows that bird 389, one of the Rural New Yorker's "Favorite Hens", was the highest scoring individual with 90¾. The second best score was 90¼ by hen 280, owned by Homer P. Deming. Hens 360 and 400, respectively owned by A. B. Brundage and S. G. McLean, tied for third with a score of 90 each. The best shaped Rhode Island Red was hen 252, owned by Dr. J. C. Dingman, Spring Valley, N. Y., and was cut only two points for shape. The best colored individual was hen 278 owned by Homer P. Deming, Robertsville, Conn., and was cut only 4¼ points for color. The three highest scoring pens are owned by A. B. Brundage, Danbury, Conn., S. G. McLean, South Glastonbury, Conn., and D. E. Warner, Bridgeton, R. I., and their scores in their respective order are 88.4, 88.1 and 88.0. The average score of all the Rhode Island Reds taken together was nearly 85¼. Ten per cent. of the Reds in the contest or 19 birds out of the 190 entered, were disqualified by the judge for stubs in the shanks, white ear lobes and side sprigs. Thus it will be noted that the Reds, on an average, have scored lower than either the Rocks or the Wyandottes, falling below the Rocks by about three points per bird and nearly five points below the Wyandottes. This, however, was perhaps to be expected on account of the fact that there are so many of the White variety entered in each of the other two breeds and the Reds had no way to offset this advantage.

The total yield for all pens for the month of January was exceedingly satisfactory. The birds laid 4,072 eggs more than they did in December and relatively 3,638 eggs more than for January of last year or a total production for the month of 8,262, an average of 8¼ eggs for each and every hen on the plant. There has not been any unseasonably cold weather during the month nor any unusual amount of snow but there have been a great many cloudy days. In other words, there has been little sunshine and a hen never seems to be quite so happy nor quite so productive when such conditions obtain, as when there is at least a reasonable number of clear, dry, sunshiny days. A hen seems to be able to stand a wonderful amount of cold if she can only have a cheery sunshiny day in which to do her work. The poultryman cannot, of course, control the

weather, but he ought to construct his hen houses so as to make use of every bit of available light and sunshine.

The Mediterranean varieties seem to be more affected by cold than the others. Thus during the month of January the fifty-three pens of heavier breeds, including Rocks, Reds, Wyandottes, Brahmas and Dominiques though constituting only a trifle more than one-half the birds in competition laid 63 per cent. of the eggs for the month. On the other hand, the lighter breeds, including the Leghorns, Campines and Buttercups, make up forty-seven per cent. of the birds in the contest, but laid only 37 per

cent. of the eggs during the month of January. At the end of the first three months the hens are more than six thousand eggs ahead of last year. The following table affords a comparison for the first three months between the present contest and the competition last year, showing the best pen in each of the breeds named:

Breed.	1914	1915
White Wyandottes .....	491	484
Rhode Island Reds .....	297	427
Plymouth Rocks .....	281	389
Sour Milk Pens .....	382	344
White Leghorns .....	405	333
Av. pen score—all breeds...	126	189

The monthly awards for January are announced as follows: Blue ribbon or first prize was won by Hillview Poultry Farm's Rhode Island Reds of St. Albans, Vt., with a yield of 177 eggs. The Storrs Experiment Station's sour milk pen of White Wyandottes were in reality second with 176, but inasmuch as they are not in competition, the second

**AT THE LAST BIG SYRACUSE, NEW YORK STATE, FAIR**

in the largest and best class of S. C. Reds yet shown in the east, we won Best Display. Our First Prize Hen winning Color Special over crack pullets. Stock for sale.

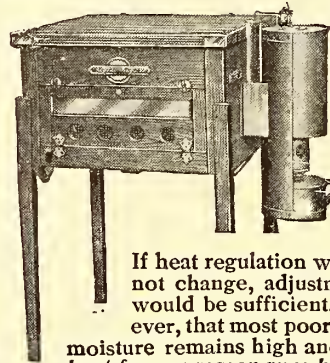
Address GEO. W. TRACEY, S. C. Red Specialist, KINDERHOOK, N. Y.

**1896 BUFF WYANDOTTES 1914**

Have won continuously during the past eighteen years at the leading shows and in the largest classes ever shown. Have won best display at three National Club Meetings at Cleveland, Ohio in 1902, at Madison Square Garden in 1903, at Toledo, Ohio in 1913, in the largest and best classes of Buff Wyandottes ever shown. My small line is the strongest you can get anywhere and my males were persistent winners in large classes last season for my customers. Have some excellent males and females for sale. Satisfaction guaranteed or money promptly returned provided stock is returned to me within one week.

ANDREW RIDDELL, R. No. 6, GREENWICH, N. Y.

**The Lee Regulator**



gives complete automatic control of all three essentials of incubation, *heat, moisture and ventilation*. This wonderful new regulator is patented by us and appears only on the

**Mandy Lee Incubator**

If heat regulation were infallible and if weather conditions did not change, adjustment of moisture and ventilation by hand would be sufficient. Every incubator operator knows, however, that most poor hatches result from heat running up while moisture remains high and ventilation scant. *In the Mandy Lee, if heat for any reason runs high, even a degree or two, ventilation is automatically increased and moisture or air humidity reduced.*

**Many Other Exclusive Features**

The Mandy Lee direct reading Hygrometer, as essential as a thermometer, for the correct measurement of moisture; the locked turning trays, preventing spilling of the eggs; the drop bottom for getting at the chicks without disturbing the hatch; the combination tray permitting either wire netting or slatted bottom; the insurable safety feature; etc. *Five sizes, 65 to 300 Egg*, well built and finished, heavily packed with insulation. Not a toy for the amateur but a scientific machine for certainty of hatching and for permanency.

Send for new catalog explaining, illustrating and describing the latest in incubation. **GEO. H. LEE CO., Dept. 18, Omaha, Nebraska**  
Manufacturers Lee's Lice Killer, Lee's Egg Maker, Mandy Lee Incubator, etc.

**SCRANTON'S S. C. RHODE ISLAND REDS**

Have won more points on male birds at the *Chicago Show* the two seasons exhibited there than those of any other exhibitor in any two shows at Coliseum. as well as making the phenomenal wins at *Hagerstown, the biggest fall show in America*. Their show record for the past eight years is unexcelled. Get your new blood from a strain that you know is bred right and produces, every season, the best specimens of S. C. Reds. My birds are in fine condition and show more quality than ever. My matings this year are truly wonderful and I doubt very much if their equal can be found. I invite inspection. Send for list of matings for 1915.

**B. H. Scranton, Box W, Rising Sun, Ind.**

prize ribbon has been awarded to Springdale Poultry Farm, Durham, Conn., whose Rhode Island Reds laid 170 eggs

rations with the single exception that thick, sour, loppered or clabbered skim milk is substituted for the meat part of



The above picture shows a photographic illustration of the head of "Prince Charming" a White Leghorn male produced by Frank E. Hering, South Bend, Ind. Mr. Hering has had grand success with this variety as his show record will testify. He has made several choice matings for the season of 1915 and is now booking orders for hatching eggs. For a full description of his matings A. P. W. readers should send for a copy of his catalogue and mating list.

during the month. The third prize was won by Barron's English White Wyandottes with a yield of 164 eggs.

Experimental Pens. The experimental pens have been laying well with the single exception of the Brahmans. From the table below it will be seen that at the end of the first three months the sour milk pens have produced more eggs in the case of Rocks, Wyandottes and Leghorns, but the reverse is true of the Reds and Brahmans. The total for the five groups combined seems to indicate an advantage in the use of milk. Another three months will, of course, mean that the figures will become more trustworthy and the year's record will be better than either.

Breed.	Pen.	No	Milk.	Milk.
Plymouth Rocks...	5 and 6	201	212	
White Wyandottes	19 and 20	153	249	
R. Island Reds....	37 and 38	242	135	
Light Brahmans....	45 and 46	86	75	
White Leghorns...	59 and 60	292	344	
Total .....		974	1015	

So many inquiries have been made regarding the exact method of feeding milk to hens that it seems fitting to describe briefly the plan employed in the contest. There are five experimental groups, as mentioned above. In each group there are two pens. In each case the pen having the odd number is fed the regular contest ration, the pens with the even numbers are receiving exactly the same

the mash. The milk pen have water just as the others do, and in addition to this, all the thickened milk they care to consume. It is found that each ten birds will eat on an average from one to two quarts per day, depending principally, perhaps, on the weather consuming the lesser amount on the cold days.

The Storrs Experiment Station has not only been trying to use milk as a ration on its experimental pens in the laying contest, but has also been using milk for growing chicks for the past three years. The data thus collected, together with the results of work done at other ex-

periment stations, point to the fact that milk as a ration for chicks and for laying hens has a very definite feeding value. The following table indicates fairly closely the price the poultryman can afford to pay for milk for several purposes:

	Qt.	100 lbs.
Baby chicks, 1st wk....	4 cents	\$2.00
Chickens, 1st six wks...	2 cents	1.00
Chickens, 1st six mos...	1 cent	.50
Laying hens or pullets..	1 cent	.50
Breeding stock .....	2 cents	1.00

\*\*\* Send for a copy of our new Clubbing Catalogue, now ready for mailing. \*\*\*

## Silver and Golden Campines

DR. J. H. PRUDHOMME, THURMONT, MD.

## R. C. Black Minorcas Exclusively

WINNERS at all leading shows in America. Have won more 1st and 2nd at Madison Square Garden than any other exhibitor or breeder. Show and breeding stock for sale. Mention A. P. W. T. A. McKITTRICK, Hudson, N. Y.

## White Wyandottes

and ANCONAS

EGGS and BABY CHICKS

Satisfaction guaranteed in every transaction

LONE OAK POULTRY YARDS,

E. B. Peck, Prop.

21 Chestnut St., BATAVIA, N. Y.

## "ECLIPSE" WHITE WYANDOTTES

Send for catalogue and mating list and book your order now. My breeders are absolutely strong, sturdy and healthy and are unexcelled as egg producers as well as exhibition birds. Eggs and Baby Chicks at live and let live prices. Good utility cockerels \$2 to \$10. I earnestly solicit your orders and, remember, your satisfaction means my success.

O. L. Hill,

Box 227,

Shelburn, Ind.

## HOUSTONIA POULTRY FARM

## RED—SUSSEX—LIGHT

Winners at Madison Square Garden, Chicago, Buffalo and Hagerstown. At Pittsburgh, 1915, ten firsts, three seconds and special for best display of Sussex. The demand for Sussex will be enormous. If you wish to be sure of getting your stock or eggs when you want them, order now. Mating list on request.

HOUSTON & HOFIUS

So. Charlestown, Ohio

## Single Comb White Leghorns

Look at our Record Look at our Record

At the biggest show in Massachusetts, outside of Boston, 1st, 2nd, 3rd cock, 1st and 2nd pens—winning display over all competitors. At the biggest show in New Hampshire, we won every first in our breed; also showed a cockerel that was the best bird in the show.

### Do You Want Stock Like This:

We have a surplus stock of cockerels that must be cleaned up at once. Prices from \$3.00 up. We also offer a fine line of R. C. and S. C. Rhode Island Reds for sale.

Rosemont Farm,

Nashua, N. H.

## COLE'S BUFF ROCKS

Win at Chicago Coliseum Show in one of the largest and best classes exhibited at this Premier Poultry Show held December, 1914, 2nd cock, 2nd and 4th hen, 2nd cockerel, 1st pullet, 1st young pen, 1st old pen. This winning in addition to the records made by my birds at the Chicago Coliseum 1913 Show and the National Club meeting of the American Buff Plymouth Rock Club, places them in front rank of the leading strains of this variety. My specialty is Buff Rocks. Have been breeding them for 15 years and claim that my strain has practical worth as well as exhibition qualities. Will sell eggs from 10 grand matings \$3 and \$5 per setting. If in doubt as to the quality of my stock, ask Wm. C. Denny of A. P. W. for his opinion. I guarantee to make every transaction satisfactory and will be glad to send my mating list if you are interested.

FRANK C. COLE,

Box 101,

VAN WERT, OHIO

## THE VALUE OF STANDARD BRED FOWLS

[Continued from page 333]

III, champion Barred Rock cockerel at New York.

5. One hundred and fifty dollars each. Barred Plymouth Rocks. One hundred dollars each. Single Comb Brown Leghorns.

6. Pens, five birds, one hundred and fifty dollars to two hundred dollars. Single birds in lots about same price. Barred Plymouth Rocks. S. C. Brown Leghorns.

7. Twenty-five dollars each.

8. Do not recall large sale of twenty-five birds at high figures as we cater to select trade rather than wholesale.

F. W. C. Almy, Tiverton Four Corners, R. I., Proprietor Red Feather Farm, R. and S. C. Rhode Island Reds.

1. I once bought a cock (R. C. Red) in with a lot of Reds for which five hundred dollars cash had been refused. Cannot say how much I really paid for this cock. With the above cock, probably six hundred dollars. Seven hundred dollars.

2. I never bought many high priced eggs as I produced the stock and sold rather than bought. I believe I paid thirty-seven dollars and fifty cents for two settings, years ago, a fabulous price for those days.

3. Five hundred dollars.

4. On account of his great quality and wonderful breeding.

5. Sold three birds for eleven hundred dollars.

6. Sold five birds for sixteen hundred dollars.

7. Sold 10 birds for a little over two thousand dollars.

8. Cannot say exactly without hunting too far back, likely one hundred and twenty-five dollars each.

Jno. W. Ward Jr., Pennington, N. J., Breeder of Dark Cornish.

1. (a) Fifty dollars. (b and c) Queer but I have never purchased birds in small lots except four times when I have purchased single birds in the show room. In all other cases my purchases have been either when buying someone out or importations of from 10 to 30 birds.

2. Have never purchased eggs. Never will, and hope to see the day when I can refuse to sell them and sell mature stock only.

3. Sixty dollars.

4. An imported bird of a known strain. Never shown. Afterwards a prize winner in purchaser's hands.

5. Forty dollars. Dark Cornish.

6. Eighteen dollars. Dark Cornish.

7. Never have sold ten in one lot.

8. Ditto.

Lester Tompkins, Concord, Mass., Breeder of S. C. Rhode Island Reds.

1. The most I ever paid for one bird was two hundred dollars; for two, sixty dollars; for three seventy-five dollars.

2. Never bought any.

3. Five hundred dollars.

4. Because I asked it. Won 1st at Boston and shape special, 1913, a wonderfully successful breeder.

5. Five hundred dollars. Single Comb Rhode Island Red, sold at a sale. Singly, I have sold three birds for twelve hundred dollars.

6. Have sold four for seventeen hundred dollars. Single Comb Rhode Island Reds.

7. Have sold ten for twenty-seven hundred dollars. Single Comb Rhode Island Reds.

8. Twenty-five birds for five thousand dollars. Single Comb Rhode Island Reds.

Aldrich Poultry Farm, Columbus, Ohio, Breeders of Single Comb White Orpingtons.

1. One thousand dollars. One thousand dollars. Fifteen hundred dollars.

2. Seventy-five dollars for 15 eggs.

3. Two hundred and fifty dollars.

4. Hen won 1st and futurity at Allentown. Won 1st for customer at Buffalo, Philadelphia and Detroit. Never was defeated.

5. Five hundred dollars. S. C. White Orpingtons.

6. Six hundred and fifty dollars. S. C. White Orpingtons.

7. Five hundred dollars.

8. Have not sold that many at one time except Utility.

## S. C. Brown Leghorns

Our strain is famous the country over for the splendid size, handsome color and shape, and wonderful winning qualities, at such important shows as—Madison Square Garden, Chicago, Kansas City and many others; defeating all Eastern breeders. Send for free Illustrated Circular "Twenty-Eight Years With S. C. Brown Leghorn".

Williams Bros. & Brace,

Fullerton, Calif

"HEATHY HATCHED CHICKS"

**HILL HATCHERY CHICKS**

S. C. White Leghorns,	12½c
S. C. Black Minorcas,	15c
Barred Plymouth Rocks,	15c
Rhode Island Reds,	20c
White Wyandottes,	20c
White Orpingtons,	25c

HATCHING EGGS.

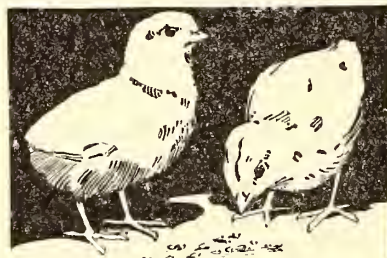
15 Years Experience; Correspondence Solicited.  
LOUIS V. HILL, 296 N. 7th St., NEWARK, N. J.

## ALDRICH WHITE ORPINGTONS

At the Great Madison Square Garden Show, Feb. 12th, 1915,

we again carried off the MOST COVETED PRIZES, winning 1st cockerel and 1st and 3rd cocks on the five entries made in these two classes, and many of the other prizes were won by our customers. We have already hatched a nice lot of early chicks from our first prize cockerel, so have decided to supply eggs from our pen 9, headed by this bird, at the very low rate of \$15 per setting, to those who book their orders in time, as at this price we cannot supply the demand for eggs from this pen.

ALDRICH POULTRY FARM, 4048 No. High St., COLUMBUS, OHIO



## 7 out of 10!

It is estimated that 7 out of 10 chicks that die, are needlessly killed by feeding an indigestible ration.

**Little chicks should not be fed raw grains.** Some chicks

can stand raw grain, but it is always a risk.

## H-O Steam-Cooked Chick Feed

can be digested by the most feeble little chick.

The steam-cooking, which we give this feed at our mill, opens up the cells in the different grains—perfectly preparing all the nutriment so that the little chick may easily assimilate it. It will build bone, flesh and feathers—from the start.

Clean, wholesome grains—including cut oatmeal—cut to pin-point fineness and **steam-cooked**.

Write for free sample, prices and descriptive folder.

The H-O Poultry Feeds meet the requirements of poultry in every stage of development:—H-O Scratching Feed, H-O Poultry Feed, H-O Chick Feed, H-O Dry Poultry Mash and H-O Steam-Cooked Chick Feed.

**H-O COMPANY**

MILLS:

**BUFFALO, N. Y.**

**JOHN J. CAMPBELL,**

General Sales Agent,

**HARTFORD, CONN.**

## THE GUINEA FOWL

AN INTERESTING DESCRIPTION OF THIS AFRICAN FOWL. HAVE MANY VALUABLE POINTS AND SHOULD BE BRED MORE EXTENSIVELY

Guinea Fowls, as the name suggests, are natives of Africa, yet they can be easily kept in this country with success. If only Guinea Fowls were better understood by farmers they would be far more common in the farmyard than is the case at present. There is no class of poultry that needs less "given" food than Guinea Fowls, or that needs less roosting accommodation.

Given suitable trees the old birds will roost in the upper branches out of the way of vermin and are as good as any watch dog for giving alarm. Let man or fox go by at night the "Guineas" will give out their shrill cry to be heard for a great distance around.

### BREEDING GUINEA FOWL

Though Guinea Fowls are monogamous in the wild state, the cock will mate successfully with two or three hens in domestication. People not acquainted with "Guineas" often have difficulty in telling the sexes so that a few notes on same will not be out of place.

The male birds are generally larger than the females, and have a peculiar habit of strutting about on tiptoe, with the back arched. The wattles of the male are more prominent and are inclined to stick out. The call of the female is much different than that of the male, the call of the latter being a shrill chattering while that of the former sounds like "come back"! "come back"! The hens generally commence to lay at the beginning of April and lay continually to the middle of August, the eggs being medium sized, pointed and brown colored, spotted with red. The hens seldom lay in the roosting house, but often pick a nest in the open. The eggs should never be removed or the nest visited when the birds are in sight, and two or three eggs should always be left in the nest or the birds will probably seek a new one. There is always a good demand for eggs in the market, as they have a very delicious flavor and are very suitable for invalids. "Guinea" hens seldom become broody until late in the season, and although they are good sitters and mothers, it is better to hatch early under common hens. Medium sized hens should be chosen for the purpose and as many as eighteen eggs can be given to each hen. The eggs have very strong shells so that few breakages take place in incubation. The period of incubation is twenty-eight days and the chicks should be fed as soon as dry. When only a few hours old they are very strong on their legs, but should be fastened in the coop and wire run for a few days as when very young they often wander far from the hen and get lost. After the first few days the hen can be let at liberty and they will follow her far out in the fields in search of insects of which they are very fond. The chicks should be fed on pin-head oatmeal, fine bisquit and meat-meal and a little dry chick food, together with a liberal supply of chopped green food, lettuce, green onions, etc.

### VARIETIES OF GUINEA FOWLS

Though there are said to be about twelve breeds of Guinea Fowls in their

native country, only one has been domesticated in this country. There are three colors now bred, the Pearl, the Lavender and the White, the last being somewhat rare.

In size the Guinea Fowls are about equal to a good sized common fowl.

### Ten Best Plum Trees for a Dollar Delivery Free Anywhere

5 feet high, fresh from the ground, offered from surplus stock only, of the very best quality, regular price, \$1.00.

Following varieties: 2 Burbank, 2 Abundance, 2 Wickson, 2 Red June, 2 October Purple. Send stamps, money order or cash.

NEW ENGLAND NURSERIES, 242 Concord Road, Bedford, Mass.

\*\*\* The good points of all varieties of Leghorns are described in our latest breed book "The Leghorns." Procure a copy by sending us one dollar \*\*\*

**Save the Chick**  
Don't let white diarrhea and indigestion eat your profits. Give your chicks **Conkey's WHITE DIARRHEA REMEDY** in the drinking water from the start until they are 3 weeks old.

Tell your local dealer you must have Conkey's White Diarrhea Remedy, or write us if a Conkey dealer is not nearby. Packages, 25 cents and 50 cents.

**CONKEY'S STARTING FOOD** is a wonderful aid in starting the chicks right. Feed to every brood and hatch. Send 4 cents for **CONKEY'S POULTRY BOOK THE G. E. CONKEY CO.**

Barred Rocks, White Rocks, R. C. B. Leghorns, Golden Laced Wyandottes, Bronze Turkeys, Toulouse and Embden Geese. Stock for sale. Write for prices. Pavillion Poultry Farm, T. A. Sprung, Prop. Pavillion, N. Y.

## MOTTLED JAVAS

Eggs only \$2.00 to \$5.00 per 15. From winners at Allentown, Buffalo, the Palace and many smaller shows this season. S. W. MORTON, ALBANY, N. Y.

## LLENROC REDS

at three big shows, New York State Fair, Greater Buffalo and Rochester, N. Y., win a total of 11 firsts, 7 seconds, 5 thirds, 2 fourths, 2 fifths. Many specials and display prizes. Sustaining our claim of superiority. In addition Llenroc Reds have won 1st cockerel and 1st pen at Buffalo 4 years in succession and 1st pen at the State Fair twice in succession.

For the season of 1915 we have made 5 carefully selected matings all headed by first prize winning males mated to prize winning females—every bird a ribbon winner. Eggs from these matings \$10 and \$15 per 15. Nothing reserved. You have the same chance as we to produce the season's sensation. Better have a setting reserved at once.

LLENROC REDS will put you among the winners.

HOUCK & ALT, 87 Fuller Street, BUFFALO, N. Y. J. E. HOUCK, Black Creek, Ont. HENRY ALT, Buffalo, N. Y.

## ORDER YOUR MARCH and APRIL CHICKS NOW



50,000 Incubator capacity. 4,000 breeders. 12,000 chicks per week. No small Leghorns. No immature stock used. Large egg producers. Large white eggs. No white diarrhoea. Prompt shipments. Reliable service.

Don't wait until the last minute and expect early dates. Now is the time to secure February and early March hatches. The males from these chicks sold as broilers will raise the pullets to maturity. We have never yet produced enough chicks to supply the demand for the "Everlay Strain" of

### Single Comb White Leghorns

The majority of our customers raise almost every chick as they are the strongest birds you can find in America today. This is a big statement, but nevertheless is a fact. We are making hundreds of successful poultrymen every year because our chicks live and mature into real profitable birds. This year we have again added 30,000 more egg capacity and shall probably sell more White Leghorns than any other breeder in the East. We have certainly got the goods, and once you become a purchaser you will stay by the "Everlay Strain". Our prices are no higher than common bred Leghorns. Our new 100 page catalogue will be ready in January. At the present time we are sending out our 60 page 1914 catalogue. Don't fail to get these books as they are worth hundreds of dollars to new beginners and old poultrymen can get some new ideas.

THE EVERLAY FARM  
BOX 240 G, METHUEN, MASS.

The flesh is one of a rather dark color and has a distinct gamey flavor. Guinea Fowls are in season in February at a time when game is getting scarce so that the birds are in good demand, and good prices can be obtained. Like the game they require no fattening for the table, but can always be picked up nice and plump from the flock.

#### A FEW DISADVANTAGES

There are, of course, a few disadvantages connected with Guineas. Some object to the call of the birds when kept close to houses. Then they are also very strong on the wing, and can scale anything from a six-foot fence to a church steeple. Some cut the birds' wings, but I always find poultry of any kind never do very well with cut wings and especially Guineas, who doubtless fret somewhat. When Guineas are kept along with other poultry the cock often proves quarrelsome unless there are other males to check him.

They are not often kept in confinement, although if properly cared for, they will thrive all right. A good sized covered run should be provided with a roomy, open fronted roosting house. Green food should be given fresh every day as well as about two ounces of cooked lean meat per bird per day.

The best way to commence with Guinea Fowls is to purchase eggs and hatch them under a common hen, so that the birds can be reared to their surroundings. If old birds are purchased they will often ramble miles when first turned out. Some succeed with old birds by putting them in a covered in wire run for a week or two so that they can become accustomed to their surroundings.—Feathered Globe.

#### GRADE UP THE POULTRY; LINE BREEDING IS BEST

Many a poultryman, striving to breed up a strain of egg-producing hens, makes the mistake of buying hatching eggs or breeding stock from a different breeder each year.

It pays far better to go back, for a number of years, to a breeder who has stock that mates well with, and improves the size and egg-producing qualities of the progressive poultryman's flock.

So reports James G. Halpin, head of the poultry department of the University of Wisconsin, who has found that the number of reliable poultry breeders producing just the sort of breeding stock generally needed is rapidly increasing. He believes that the next few years will see a still greater increase along this line, for the breeder can afford to line breed his stock and take a great deal of pains building up a strain of high egg-producers. The grading up of the farm flock with good, strong males of the right sort of breeding, is one of the principal things needed in the poultry industry of this state at this time.

#### POULTRY PLANTS READY FOR SCARCITY IN EGGS

That farm poultry plants will be relied upon to produce more of the state's supply of eggs this year than in previous seasons, is the prediction now being made by some well-informed poultrymen.

They argue that the rise in grain prices will fall most heavily upon the suburban and city fanciers who are not

grain producers and who do not have at their disposal many of the by-products consumed by the farm flock.

To meet the expected demand for eggs at high prices farmers are being urged to have their chickens hatched as early in the spring as their equipment and conditions will permit, which in many instances will not be before the latter part of March or early April.

"For while early-hatched pullets mean early eggs, it is useless to start the hatching season too soon" declares John B. Hayes, of the poultry department of the University of Wisconsin. "The pullets which are 'kept coming' from hatching on will be stronger, grow faster, and will have more surplus energy to put into egg production."

#### THE PROFITS IN POULTRY KEEPING

The Cyphers Incubator Co., Buffalo, N. Y., have long been noted for the valuable and interesting catalogue issued each year, but their 1915 annual entitled "The Profits in Poultry Keeping" is a step in advance of any yet issued by this old and reliable organization. It not only gives a complete and accurate description of all articles in the Cyphers Company's very complete line, but also contains several chapters on poultry raising that makes its value twofold, in fact, a book that will be valued and preserved for reference purposes by all who are fortunate enough to receive a copy. And on this point we would like to say that while the edition is a large one, we are informed that there is an unusually heavy demand,

therefore we suggest, to avoid disappointment, that you send for your copy today. Among the subjects that are treated are: "Profits in Small Flock Poultry Keeping", "Profits in Poultry Keeping on Farms", and other topics that are sure to prove of value to those who carefully read and adopt the many valuable suggestions. We would like to add that in addition to the Cyphers regular line the two new low priced incubators put out this season by the Cyphers Company are fully described. One of these is of the hot water type and sells as low as \$10. The other is a hot air type and the 140-egg size is listed at \$15. In quality the well known Cyphers reputation is maintained in these low priced machines. They are covered with a binding guarantee and, no doubt, will prove very popular among the large army of Cyphers customers.

Our advice is for all readers to send for a copy of this book today while the supply lasts. Address as above and mention this paper.

#### S. C. & R. C. RED SALE

Established strain with an established record. Cocks, hens, cockerels and pullets. All birds shipped on approval. A few good last seasons winners in good condition for sale very reasonable, to make room if taken at once RED POULTRY YARDS, Box W, BETHLEHEM, PA.

#### Engagements Booked Now For

Fall Fairs and Winter Poultry Show *all class*. Legalized Expert Poultry Judge.

LLOYD M. HALLENBECK, GREENDALE, N. Y.  
Originator of Buff Brahmas.

#### S. C. RHODE ISLAND REDS

We have the birds to help strengthen your flock. For prices and descriptions write GEO. W. WHITE, HAMILTON, MD

#### SANDS S. C. WHITE LEGHORNS

Booking orders for chicks at \$12.00 per hundred. Splendid standard utility strain. Some fine cockerels and pullets left for sale. Eggs for hatching \$1.50 per 15, \$5 and \$8 per 100. LEROY E. SANDS POULTRY FARM, HAWLEY, Wayne Co., PA.

#### LIGHT AND DARK BRAHMAS

Eggs, chix and breeders. Utility and show quality. Illustrated catalog free. Win wherever shown. RIVERDALE POULTRY FARM, RIVERDALE, N. J.

## The ORPINGTONS BLACK, BUFF AND WHITE

A COMPLETE AND AUTHORITATIVE TEXT BOOK and Instructive Treatise devoted to the Orpington Fowl, the most popular breed in England and one of the leading favorites of Standard-bred poultry in America.

This book (80 large pages and cover) tells how to select breeders and how to mate for best results. Care, feeding and management fully discussed.

Edited by J. H. DREVENSTEDT, Breeder and Judge of 25 years' experience and member of Standard Revision Committee 1898, 1905 and 1910

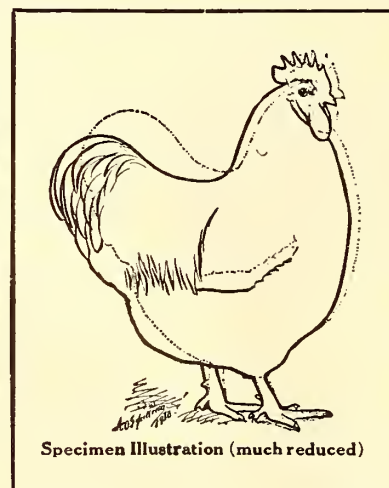
Fully Illustrated by F. L. Sewell, A. O. Schilling, I. W. Burgess and others.

#### CONTENTS:

- Chapter I—Orpington Origin.
- Chapter II—Orpington Type.
- Chapter III—Black Orpingtons.
- Chapter IV—Buff Orpingtons.
- Chapter V—White Orpingtons.
- Chapter VI—Non-Standard Varieties.
- Chapter VII—Orpingtons as Exhibition Fowl.
- Chapter VIII—What Breeders Say.
- Chapter IX—Orpingtons as Utility Fowl.

The most valuable feature of all. Text and Illustrations are based on the changes in the 1910 American Standard of Perfection.

Tells what changes were made, why they were made and how they will affect the mating and breeding problems that now confront the breeders of Orpingtons. Progressive breeders and exhibitors who wish to keep abreast of the times cannot afford to be without this book. Text supplemented by over sixty illustrations, by Sewell, Schilling and Burgess, a study in pictures that will prove valuable to breeders, bringing clearly before the eyes of all Orpington admirers in the minutest detail every point of value in the fowl. The book consists of 80 large pages, 8½x11½, is printed on first class paper and bound in a handsome cover.



Specimen Illustration (much reduced)

PRICE, 75 CENTS, POSTPAID, or \$1.00 including a year's subscription to American Poultry World, or will be sent free for three annual subscriptions to American Poultry World at 50 cents each.

AMERICAN POULTRY PUBLISHING COMPANY.

BUFFALO, N. Y., U. S. A.



**MADISON SQUARE GARDEN SHOW**

By William C. Denny

(Continued from page 329)

of work and expenses connected with the show, we were advised that the expenses of the last year's show were \$27,000.00 and it is certain that those of this year were not less.

**BARRED PLYMOUTH ROCKS** — 22 cocks, 19 hens, 37 cockerels, 18 pullets, 4 pens. Judges, H. P. Schwab, cocks, pullets and pens. L. P. Graham, hens and cockerels. A grand quality class from cock birds right through the hens, cockerels, pullets and pens. It was good to see so many rugged specimens of true Plymouth Rock shape and size and what was equally pleasing was the placing of awards on fowls that were blue in shade of color. It is to be hoped that the day for "black birds" has gone by and that in the future only blue Barred Plymouth Rocks will win.

The best win with a popular variety at this year's Garden Show was made by E. B. Thompson, Lock Box 330, Amenia, N. Y., whose entries in Barred Rocks won every prize in the open classes except 4th cock, 2nd hen, 2nd and 3rd pullet. Mr. Thompson established a number of records at this year's show that have never been equalled in Barred Rocks. He is the first breeder to win all five first prizes at a single Madison Square Garden Show, the first to win all specials, the first to win all prizes on cockerels for two years in succession. Mr. Thompson's advertisement on the back cover page gives a complete list of winnings. Taking it all in all, it was by long odds the best record even made in this variety at Madison Square Garden. In February A. P. W. we told of our visit to Mr. Thompson's home and stated that we saw more good Barred Rocks than we thought existed on any one farm. Of Mr. Thompson's exhibit at New York, we believe it was the largest and best Barred Rock entry ever put in a show room by one exhibitor. Not only did his entries show the color qualities for which the "Ringlet" Strain is noted, but the specimens were all remarkable for their shape and size. The male birds were rugged specimens, Standard weight or above with plenty of bone, backs of Standard length, round full breast, long bodies, and stood well apart on legs. In color they were "blue" and in addition, had narrow straight barring, both on the surface and in the under-color of all sections. Mr. Thompson has done wonders in producing straight parallel barring in the saddles of males. Several of his winners were remarkable in this respect. Another thing that impressed us in the handling of his birds was that the barring was of equal width in all sections. That is, the barring on the back and wings was not narrower than on the breast and body. Of Mr. Thompson's females, it can be said that they were splendid in type, well defined barring and shade of color.

For the first time in a number of years A. C. Hawkins, Box 30, Lancaster, Mass., did not enter for competition. Mr. Hawkins had a display pen in the center of the hall, containing several of his Boston winners, including his first prize hen. Illustration of this bird appears on another page of this issue. Mr. Hawkins

made a number of sales during the show and reported a satisfactory demand for stock and eggs.

**WHITE PLYMOUTH ROCKS** — 12 cocks, 21 hens, 35 cockerels, 21 pullets, 8 pens. Louis Bonfoey, judge. A strong class in quality and numbers.

Rancocas Poultry Farm, M. L. Chapman, Mgr., Brown's Mills, N. J., entered a fine string of birds and won a number of places. We were particularly pleased with their type of males. Elsewhere in this issue of A. P. W. is shown an illustration of males that won all four first prizes at the Rock Club show at Pittsburgh, January, 1915. M. L. Chapman, who has charge of the exhibition White Rocks and S. C. White Leghorns at Rancocas, is among the best known of the younger poultrymen of the country. This year Mr. Chapman placed the awards on Silver and Golden Campines at the Palace, the Boston and Madison Square Garden Shows.

**BUFF PLYMOUTH ROCKS**—12 cocks, 11 hens, 23 cockerels, 17 pullets, 4 pens. J. C. Punderford, judge. This is a larger and better class of this variety than has been shown at Madison Square Garden for several years.

John W. Poley, Linfield, Pa., made the big winning in this class. 1-3 hens, 2-4 cockerel, 1-2 pullet, 2nd pen, also \$25.00 Gold special for best display. The cockerel at the head of Mr. Poley's 2nd prize pen won special for best shaped Buff Rock male. This bird had rich, golden buff surface combined with strong under-

color, solid buff wings and tail. He was mated with four large, well developed pullets that had fine type, good combs and even surface color. Mr. Poley's first prize pullet had splendid surface and undercolor and won both shape and color specials.

First cockerel went to a fine young male, exhibited by E. H. Lichtenwalter of Girard, Pa., who made only two entries. This bird also won color special. Mr. Lichtenwalter was a big winner at this year's Buffalo and Pittsburgh shows.

Three of the five prizes on cocks, including first, went to the entries of Fred H. Armer of Ballston Spa, N. Y., who won a number of regular prizes in other classes. This was the second year that

**COLUMBIAN WYANDOTTES**

We have a grand lot of breeding cockerels for sale, if you want to improve your stock, at \$3.50 and \$4 each that will give satisfaction.

**HORSESHOE POULTRY YARDS, HICKSVILLE, L. I., N. Y.**

**USE KEROSENE ENGINE FREE**  
Amazing "Detroit" Kerosene Engine, 15 days FREE trial proves kerosene cheapest fuel. If satisfied pay lowest price ever given, if not pay nothing. No waste. No evaporation. No explosion. Two pints coal oil do work of 3 pints of gasoline. Prices (stripped) \$29.50 up. Don't buy an engine till you investigate this grand offer. Write **DETROIT ENGINE WORKS, 352 Bellevue Ave., Detroit, Mich.**

*Van* **WANTS TO SEND YOU A DIME**

Coupon good as part payment on your subscription to any poultry paper listed in his 48 page Catalog No. 2.

**Catalog and Coupon are Both FREE.**  
**E. S. VAN DUZEE, CARRIER 50, ST. PAUL, MINN.**

**BUFF WYANDOTTES**

Winners of firsts at Albany, 1913 and 1915, Schenectady, N. Y., 1914. At Madison Square Garden, 1915 and at the National

meeting at Rochester, 1913. Exhibition and utility stock. Eggs for \$5 per setting to \$50 per 100. Day Old Chicks 25c to 50c apiece.  
**ALONZO J. CROWLEY, Pine Woods Ave. Poultry Farm, 9 King Street, TROY, N. Y.**

**CASTNER'S WHITE WYANDOTTES** make a clean sweep at Somerville, N. J. Cup for best bird in show 1000 birds competing. Thirteen regular prizes including 3 firsts at Morristown, N. J., also cup for best display. 200—Cocks, Hens, Cockerels and Pullets For Sale—200 Eggs for hatching. Write your wants. I guarantee to please. **F. H. CASTNER, R. F. D. 2, GLEN GARDNER, N. J.**

**COVERT'S SENSATION BUFFS**

Win all specials Champion Cock and Champion Pullet of the show at the Quality Show of Indiana, Terre Haute, December 29, 1914 to Jan. 3, 1915. Both judges and breeders pronounced my first prize pen as good as shown to date. Large massive Golden Buffs grace all my yards this season. Mailing list free. Write today. Satisfaction guaranteed. Prompt shipments.  
**H. M. Covert, Buff Orpington Specialist, Box 5, 2500 No. 13 1/2 St., Terre Haute, Ind.**

**HARVARD REDS**

**BEAN (Rose) (Single) OLD ACRES**

I have a better average flock of both combs with less culls, than has ever before been produced.

From absolutely the two Leading Strains of RHODE ISLAND REDS.

Cocks, hens, cockerels, pullets and pens at *war time prices*. I offer you a real opportunity to get into your flock **the richest winning blood the world has known**. At prices lower than I have asked for equal quality in the last five years.

Eggs \$5 per setting; \$25 per hundred from selected pens of splendid breeders. A few special matings at \$10. **NOTHING HIGHER, NOTHING RESERVED. WILL YOU "TAKE A CHANCE"?**

**I. W. Bean, 344 Pond Street, South Braintree, Mass.**

**BUFF WHITE ORPINGTONS BLUE BLACK BRUCECROFT INVINCIBLES**

Bred in the best blood lines to produce a great exhibition and egg laying strain.

**Our Madison Square Garden Winnings**—1st pen, 1st and 3rd pullet, 2nd cockerel (4 entries). Eggs for hatching, fertility guaranteed, \$3.00 and \$5.00 per setting. Cockerels \$5.00 upwards. Pullets \$3.50 upwards. Write for catalogue and mating list.

**BRUCECROFT POULTRY FARMS, The Home of Orpingtons, LYNBROOK, N. Y**

Mr. Armer's first prize cock carried off the blue at the Garden Show.

**SILVER PENCILLED PLYMOUTH ROCKS**—2 cocks, 4 hens, 4 cockerels, 2 pullets, 1 pen. W. G. Minnich, judge.

In this class Bonaparte Park Poultry Ranch, Bordentown, N. J., won all first and second prizes. J. F. MacKay, the well known inventor of MacKay Colony Brooder Stove, is in charge of this farm that is specializing in Silver Penciled, Partridge and Columbian Plymouth Rocks.

**PARTRIDGE PLYMOUTH ROCKS**—15 cocks, 11 hens, 14 cockerels, 11 pullets, 6 pens. W. G. Minnich, judge. It was one of the largest and best displays of Partridge Plymouth Rocks that has shown at the Garden.

Bird Bros., of Meyersdale, Pa., won the \$20.00 Gold Special for best display and more points than all competitors combined. Their regular prizes were 1-2-3-5 cock; 2-4 hen; 2-4 cockerel; 3-4 pullet; 1-3 pen. The cock bird at the head of first pen was a wonder in color, shape and size. Both hackle and saddle had a broad, greenish black stripe, laced with brilliant red that matched perfectly in both sections. He had a black breast and was mated with females that matched well in every respect. Bird Bros. exhibited six cocks in the open class that were unusual for even top color and for excellence in striping. The first prize cock was easily the best Partridge Rock male in the class, and for both shape and color, was one of the best Partridge Rock males that has been shown. Bird Bros. have done a great deal to improve and help make popular Partridge Rocks and report a splendid demand for them. They did not exhibit Bronze Turkeys as usual, as C. E. Bird placed the awards in all of the Turkey classes.

Three of the firsts in Partridge Rocks, 1st hen, 1st cockerel and 1st pullet and several other regular prizes were awarded to the entries of Bonaparte Park Poultry Ranch. First prize cockerel was a stylish, well-developed specimen with excellent type and color.

**COLUMBIAN PLYMOUTH ROCKS**—8 cocks, 6 hens, 10 cockerels, 1 pen. Louis P. Graham, judge. The class contained a number of specimens that not only were good in type, but had splendid color markings.

Frank G. Bean, Collegeville, Pa., won several awards, including 1st pen and 1st pullet on eleven entries. Mr. Bean is one of the largest, if not the largest breeder of Columbian Rocks in America. Through large entries made at leading shows, Mr. Bean has done a great deal to obtain recognition for this variety.

Bonaparte Park Poultry Ranch, J. F. MacKay, Mgr., was another successful exhibitor of this variety winning, among a number of prizes, 1st cock, 1st hen, 1st cockerel. The line exhibited by this concern show uniformity of type and markings. The birds were of good size and showed splendid breeding qualities.

**SILVER WYANDOTTES**—10 cocks, 8 hens, 8 cockerels, 4 pullets, 3 pens. Dr. A. T. Beckett, judge. The class of hens and cocks were especially strong in quality.

**GOLDEN WYANDOTTES**—3 cocks, 4 hens 7 cockerels 8 pullets. J. F. Van-Alstyne, judge. A larger and much better class than usual.

Albert Fletcher of Warrenton, Va., was the big winner with 1st cock, 1st hen, 2-3 cockerel and 1st pullet on five entries. Mr. Fletcher has been specializing on Golden Wyandottes for several years and is probably the foremost breeder of this variety in the country. Mr. Fletcher's 1st prize pullet was one of the best females that we have seen in several seasons.

**WHITE WYANDOTTES**—28 cocks, 24 hens, 30 cockerels, 30 pullets, 6 pens. J. W. Dakin, judge. This class was about the same in numbers as were shown a year ago. It was pleasing to note that as a general rule type exhibited was that which the new Standard calls for. There is no question but that the longer bodied Wyandotte is the better general purpose fowl than the round, snow-ball type, and to our way of thinking, it is the more attractive.

The lion's share of the best prizes went to Jos. Russell, of Toronto, Canada, who, besides the special for best display, won 1-3 cock; 2-3 hen; 1-5 cockerel; 1st pen. This winning, coupled with the success of Mr. Russell's entries at the Boston Show, made him about the happiest man in the Wyandotte aisle. In

Mr. Russell and John S. Martin, Canada has a team of White Wyandotte breeders that it would be hard to equal.

**BLACK WYANDOTTES**—3 cocks, 3 hens, 2 cockerels, 2 pullets. W. B. Atherton, judge. Small class of but average quality.

**BUFF WYANDOTTES**—10 cocks, 9 hens, 15 cockerels, 11 pullets, 2 pens. J. H. Drevstedt, judge. One of the best classes of this variety that has been shown in years. Both the surface and undercolor of practically every specimen was sound and there were a number with solid buff wings and tails.



### Crown Bone Cutter

Cuts up scrap bones easily and quickly—no trouble. Feed your hens fresh cut green bone daily and get more eggs. Send for catalogue. **Best Made in Price**  
WILSON BROS., Box 304, Easton, Pa.

### TEN APPLE TREES for ONE DOLLAR

Delivery Free Anywhere

Offered from surplus stock, regular price \$2.50. Yearling plants, very best quality.

2 Baldwin, 2 Gravenstein, 2 McIntosh Red, 2 Hubbardston, 2 Wealthy.

Send stamps, money order or cash.

**NEW ENGLAND NURSERIES,**

241 Concord Road, Bedford, Mass.

### SINGLE COMB WHITE LEGHORNS EXCLUSIVELY

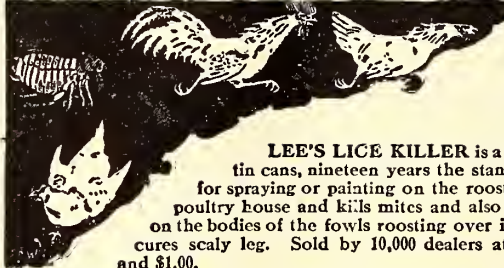
D. W. YOUNG'S STRAIN

3000 breeders on free farm range. Eggs for hatching now ready in any quantity at \$6 per 100. Baby chicks \$12.00 per 100 after March 1st. Now booking orders for March and April delivery. Capacity 10,000 a week. My Book Profits in Poultry Keeping Solved. Price \$1.00 or free with all \$10 orders. Circular free.

EDGAR BRIGGS,

Box 31,

PLEASANT VALLEY, N. Y.



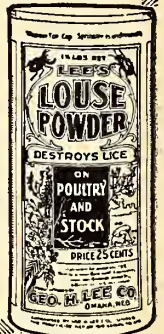
### Get Rid of Lice and Mites

**LEE'S LICE KILLER** is a liquid, in yellow tin cans, nineteen years the standard. It is used for spraying or painting on the roosts and about the poultry house and kills mites and also kills body lice on the bodies of the fowls roosting over it. Prevents and cures scaly leg. Sold by 10,000 dealers at 35 cts., 60 cts. and \$1.00.

**LEE'S LOUSE POWDER** is used mostly for chicks or for grown fowls or animals where individual application is desirable or necessary. Large 1 1/2 lb. pkgs. for 25 cts; 3 lb. pkg. 50 cts. Insist upon Lee's—the best.

"Lee's Poultry Book," "Pointers for the Amateur," and Mandy Lee Incubator catalog sent free on request.

**GEO. H. LEE CO.** Dept. 18, Omaha, Neb.  
Manufacturers of Lee's Lice Killer, Lee's Egg Maker, Mandy Lee Incubator, Etc.



**WHY LOOK ELSEWHERE** for an incubator when you can buy one, guaranteed to hatch 90 per cent. of the fertile eggs.

Look. Built like a nest, No corners to get cold. Padded all around and on top with wool. Covered with leather giving absolute uniform heat. Can be run anywhere, basement, barn, attic or parlor. 30 to 90 days trial. Guaranteed for 15 years.



COST BELOW \$10.00

### A Bond With Every AXFORD Round Incubator

GET OUR FACTS on the Axford with its 40 years record and thousands of satisfied customers. A postal will bring the Big Free Book.

**AXFORD INCUBATOR CO.**

737 E. 45th St., Chicago, Ill.

T. S. Hewke, of Middletown, N. Y., made a killing in this variety winning, besides special for best display, 1st cock, 1st hen, 1st cockerel and a number of other specials. Besides good color, Mr. Hewke's birds have splendid type and are of Standard size. He has had a successful season's record, having made a big winning at the Buffalo and Palace Shows.

Alonzo Crowley, of Troy, N. Y., a new exhibitor in the Buff Wyandotte class at New York, made a splendid winning. Among the prizes won by his entries were 2nd cock, 3-4 hen, 2nd pullet and 1st pen. Mr. Crowley's 1st prize pen was well matched in color. The birds were good size and were very good in shape.

PARTRIDGE WYANDOTTES — 14 cocks, 17 hens, 14 cockerels, 14 pullets, 5

pens. J. H. Drevenstedt, judge. Mr. Drevenstedt stated that it was the strongest and best class of the variety ever shown at Madison Square Garden.

Sheffield Farm, Hugo Hark, Mgr., Glendale, Ohio, was the big winner and besides Gold Special for best display, won 1-3-5 hen; 2-3 cockerel; 2nd pullet; 1-2-5 pen. First hen was remarkable for her splendid type and color and was an easy

# OWEN FARMS MATINGS FOR 1915

I N

*Buff Orpingtons, White Orpingtons, White Plymouth Rocks, White Wyandottes, S. C. Rhode Island Reds and S. C. White Leghorns*

## MEAN MUCH TO YOU



1st Prize Cockerel, Madison Square Garden, December, 1911.



1st Prize Cockerel, Madison Square Garden, December, 1911.



1st Prize Cockerel, Madison Square Garden, December, 1911.



1st Prize Cockerel, Madison Square Garden, December, 1911.



1st Prize Cockerel, Madison Square Garden, December, 1911.

1st.—They mean that you will receive eggs from the best quality pens in AMERICA. Pens that have been carefully mated by Maurice F. Delano, who has had over twenty-five years experience in breeding thoroughbred poultry, and by Frank H. Davey, who has had nearly forty years of such experience.

2nd.—They mean that your eggs will come from the best and most carefully line-bred flocks in all the WORLD in my varieties. Flocks that year after year have gone serenely on producing the best specimens for the best shows in the United States, Canada and various Foreign Countries.

726 OWEN FARMS BIROS HAVE BEEN PLACED AMONG THE WINNERS AT MADISON SQUARE GARDEN, NEW YORK, AND 378 OF THESE BIROS HAVE WON FIRST PRIZES SO FAR AS COMPETITION FROM OTHER BREEDERS IS CONCERNED.

NO SIMILAR RECORD HAS BEEN MADE BY THE BIROS OF ANY OTHER BREEDER IN ALL THE WORLD.

3rd.—They mean that for a very moderate expenditure you can share with me the results of years of careful breeding and of thousands and thousands of dollars spent for foundation birds to help, make the supremacy of Owen Farms' flocks. Every one of my best matings is carefully described in my 1915 Mating List. I HAVE NO RESERVE MATINGS. Every egg is marked with the pen number and breed initials when it is picked up. Eggs from all my best matings as they run are:

\$10.00 FOR 15; \$19.00 FOR 30; \$30.00 FOR 50; \$41.00 FOR 75; \$50.00 FOR 100.

4th.—They mean that for a still more moderate expenditure you can secure splendid results and share in my careful line-breeding if you buy eggs from my splendid second quality matings. These matings have been made with the same care and thought that have been spent on my best pens. The males are extremely fine. They comprise my star reserve males that I carry to use in case of accident to my regular pen headers and the cream of my males that I am carrying over to make prize winning cock birds. The females are all good and carefully selected as to blood lines and individual quality to mate with each male. These matings will produce better results than the best pens of most breeders and the price is only

\$5.00 FOR 15; \$15.00 FOR 50; \$25.00 FOR 100.

OWEN FARMS 1914-15 RECORD AT MADISON SQUARE GARDEN, THE PALACE NEW YORK SHOW, BOSTON, CHICAGO, NEW YORK STATE FAIR AND ALLENTOWN INCLUDES 24 FIRSTS IN 52 CLASSES.

ALL COMPETITORS COMBINED WON 28 FIRSTS.

This record at the SIX LEADING SHOWS of the year simply proves that my birds are a little finer than ever before and that they absolutely lead all competitors for the 1915 Breeding Season.

13 OUT OF A POSSIBLE 18 FIRSTS ON COCKEREL.

15 OUT OF A POSSIBLE 24 FIRSTS ON PEN.

AT MADISON SQUARE GARDEN SHOW, NEW YORK, 1915.

I showed only BUFF and WHITE ORPINGTONS, winning in the best classes ever shown at the GARDEN.

On Buffs:—First Collection; First and 3rd Cockerel; 1st and 3rd Hen; 4th and 5th Cock; 2nd, 4th and 5th Pen. My First prize cockerel was declared to be the best ever bred.

On White:—First and 3rd Pen; 4th and 5th Cock; 5th Hen; 4th Cockerel; 3rd and 4th Pullet and First Collection with more than double the points won by my nearest competitor.

Several other leading prizes were won by Owen Farms birds.

A limited number of fine Breeding Birds in each variety for sale at extremely low prices.

UTILITY QUALITIES OF OWEN FARMS BIROS UNEXCELLED.

If you are not on my mailing list and wish a copy of my

FREE MATING LIST FOR 1915.

send me your address and a copy will be mailed you. You can, however, order from the above price list, making a deposit of 25% to hook the order, the balance to come a week before shipment.

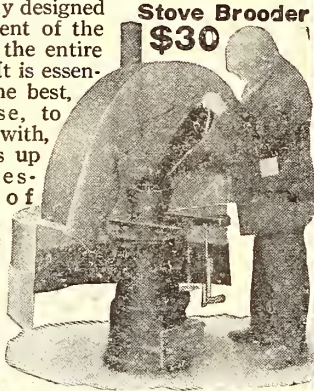
# OWEN FARMS

115 William Street,  
MAURICE F. DELANO, Prop.

VINEYARD HAVEN, MASS.  
FRANK H. DAVEY, Supt.

## PRAIRIE STATE Stove Brooders

The Colony Stove Brooder is the most up-to-date and advanced equipment for purposes now before the people. In this field, the Prairie State Incubator Co., as usual, predominates, having presented, in the Prairie State Stove Brooder, the most efficient and most carefully designed equipment of the kind in the entire field. It is essentially the best, because, to begin with, it takes up the question of design at the point where the other fellow has left off.



### Built on the Right PRINCIPLES

Prairie State Stove Brooders are not built with a magazine, because the triple control regulator begins its work at the starting point, namely, in the base of the stove where fresh air enters originally. Most regulator devices attempt to control the draft at the top but we control it where it begins. It is well known that no stove can burn more coal than the amount of air admitted will permit, and our regulator admits not more air than the automatic thermostat will permit, this thermostat being controlled absolutely by the desired temperature which the regulator is set to maintain.

A so-called self feeding magazine frequently permits the coal to bridge or to coke thereby choking the feed, and in nearly every case a magazine permits smoke and gases to pass out into the brooder room.

Having proved, therefore, that a magazine is not a necessity, especially when the fire bowl has sufficient capacity to carry fire over night with a margin of five to eight hours of safety, in addition, and having proved that it may be a nuisance, there is no reason left for using it, and we will therefore not equip our stoves with a magazine.

### Even Heat Distribution

The flat construction of the canopy insures absolutely even distribution of the heating currents, with downward deflection and radiation over the backs of the chicks. A cone shaped canopy permits heated air to rise toward the apex, and to pass out without being radiated downward, so wasting it.

The Prairie State Canopy is hinged in the center and when raised, automatically hooks to the chimney, giving absolutely free access to every working part of the stove, and permitting thorough cleaning at the back, as well as the front. The Prairie State Stove Brooder is of solid cast iron, the canopy 52 inches in diameter, and of galvanized steel, with adjustable hovering curtain. It will SAFELY care for flocks of from 100 to 1,000 or more.

### Adaptable to ANY Style House

It is adaptable to the colony house of standard construction anywhere from 9 ft. x 12 ft. to 14 ft. x 20 ft., and will furnish accurate hovering temperature in addition to general heat, in abundance for any building between these ranges in size.

It is thoroughly adjustable to the continuous type house, divided into pens from 9 ft. x 12 ft. to 14 ft. x 20 ft.

It is portable, cannot be knocked over, is economic, accurate and efficient. Seven cents per day will operate it under normal weather conditions and 14 cents per day is the maximum cost for fuel. Send for 1915 Catalog containing 128 pages—FREE. [32]

**Prairie State Incubator Co.**  
202 Main Street HOMER CITY, PA.

winner in her class. First and second pens showed wonderful evenness in shape and color of the females and were headed by typical males in shape and color. SILVER PENCELED WYANDOTTES—4 cocks, 3 hens, 2 cockerels, 3 pullets. W. B. Atherton, judge. A small class but strong in quality.

COLUMBIAN WYANDOTTES—5 cocks, 8 hens, 11 cockerels, 7 pullets, 2 pens. J. F. Van Alstyne, judge. This class was not as large as in former years, but any lack of quantity was more than made up in quality.

D. Lincoln Orr, of Orr's Mills, N. Y., won three of the five first, his entries in the cock, hen and pen class carrying off the much coveted "blue" ribbon. First prize cock was strong in every way and was much admired by the fanciers of this variety attending the show.

BLACK JAVAS—2 cocks, 3 hens, 3 cockerels, 3 pullets. J. H. Drevenstedt, judge. Small classes but containing some splendid specimens of this grand old breed.

Seth Morton, of Albany, N. Y., won 1st hen and 2nd pullet on two entries. Mr. Morton also won 1st hen, 1st cockerel and 1st pullet in Mottled Javas.

DOMINIQUE—6 cocks, 8 hens, 14 cockerels, 12 pullets, 3 pens. J. H. Drevenstedt, judge. It has been many a day since a class as strong in numbers and quality has been exhibited at New York or elsewhere. The first prize cockerel was said by Judge Drevenstedt to be the best he had ever handled. The Dominique is not what many poultry keepers believe, a Rose Comb, under-sized Plymouth Rock. In size the Dominique is between the Leghorn and Wyandotte and is trim and alert in carriage and appearance. Dominique barring is decidedly different from the straight parallel bars that the Standard calls for. They are also lighter in shade of color than the Plymouth Rocks.

S. C. RHODE ISLAND REDS—17 cocks, 14 hens, 41 cockerels, 30 pullets, 11 pens. W. H. Card, judge. This was one of the largest and strongest classes of the show as well as one of the best exhibits of the variety that has been brought together at Madison Square Garden or elsewhere.

Orchard Farms of Darien, Conn., were the only exhibitors to win two firsts in this class. They also won special for best display. Their complete winning was 2-3-4 cock, 3-5 hen, 1-5 pullet, 1st pen.

Geo. W. Traeey, of Kinderhook, N. Y., after an absence of several seasons as an exhibitor, made a small entry and won 1st cockerel and 4th hen. Mr. Traeey's 1st cockerel was one of the most admired birds of the class.

R. C. RHODE ISLAND REDS—11 cocks, 9 hens, 24 cockerels, 21 pullets, 5 pens. Another strong class in numbers and in quality.

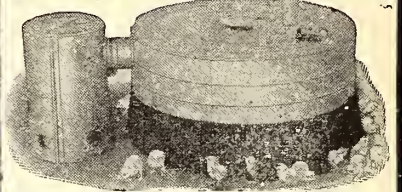
Here again Orchard Farm was to the front, winning 3-4 cock, 1-2-5 hen, 3rd pen. The winning hens, shown by Mr. Mapes of this concern, were remarkable for their uniformity of type and color. Such birds are not the result of haphazard matings but the result of careful and painstaking effort.

Lester Tompkins, of Concord, Mass., won 2nd cock, 3rd hen and 2nd pen. Mr. Tompkins was disappointed over the award on pens. We handled this pen before the judging and found the male and

## PRAIRIE STATE PORTABLE and UNIVERSAL HOVERS

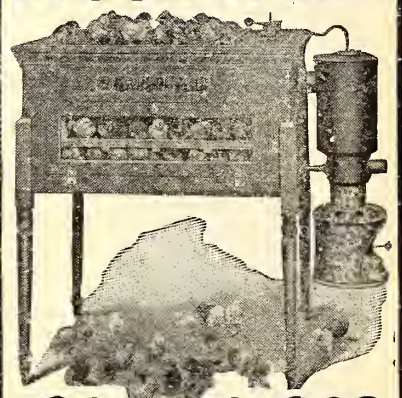
The Prairie State Portable Hover is the most recently designed equipment of its kind on the market. It is made of galvanized steel throughout, with separate lamp case, clamped to the hover, being a device distinctively Prairie State. All fresh air is admitted through the lamp box, where it is warmed, and forced into the top of the hover, being radiated and diffused downward over the backs of the chicks, passing out under the curtain. Air does not pass in under the curtain and there are no drafts in the Prairie State Portable. It is not heated by a center lamp, so that there cannot be danger of hot center, improper ventilation, or destruction by fire. Not only is properly diffused heat certain but ventilation is absolutely automatic and continuous. For these reasons the cost of operation is less than that of any other hover on the market. When carefully operated, so as not to waste the heat, it will require not more than one pint of oil every 24 hours, and even in an outside temperature, as low as 40 degrees, it may be operated with an oil consumption of not more than 1½ pints per day. Every square inch of space under the hover is available for brooding purposes, there being no lamps drums, or other interference in that space.

### PORTABLE HOVER \$8.50



The Prairie State Universal Hover remains today as it was at the start, unique in its field, a model from which practically every other established hover on the market has been conceived, a standard among poultrymen, recognized for service and efficiency, and with a market almost as wide today as when it was first introduced, in spite of the wonderful advances in the scale of operations, which, on the largest poultry farms, have made necessary the mammoth type colony brooder such as the Prairie State Stove Brooder.

## PRAIRIE STATE INCUBATORS



\$9 to \$38

The Prairie State Incubator remains as ever, a criterion in the field of small lamp incubator construction, capacities ranging from 60 eggs to 390 eggs, and prices from \$9.00 to \$38.00. No better incubator can be purchased at any price, and the prices of Prairie State Incubators are commensurate with the value therein. Considering the price of eggs which may be lost in poor machines, the first cost of a Prairie State Incubator is an investment, not an expense. The best in the field is the best for the experienced poultryman, and even for the beginner, a machine of known efficiency and of lasting service is best in the long run. (33)

Ask for the 1915 catalog, containing 128 pages, free.  
**PRAIRIE STATE INCUBATOR CO.**  
202 Main Street, HOMER CITY, PA.

all four females sound in color. The four pullets were like "peas in a pod" in type and matched remarkably well in shade of color. There was not a yellow or pumpkin colored neck in the lot; the cockerel was a brilliant bird and remarkably even.

Second cockerel went to a stylish bird shown by Schenley Heights Poultry Farm, C. F. Rankin, proprietor, Pittsburgh, Pa. This bird was remarkably even in color and had good type. He had especially long body and length of back and a round full breast.

**LIGHT BRAHMAS**—21 cocks, 33 hens, 42 cockerels, 28 pullets, 14 pens. The banner class of the show in numbers as well as the best quality display of the variety that has been shown at Madison Square Garden in many years. E. W. Rankin, of Topeka, Kansas, and Chas. I. Baleh, of Manchester, Conn., placed the awards.

If there was a happier exhibitor at the show than Wm. A. Hendrickson of Milton, Mass., we failed to meet that person. Mr. Hendrickson was tickled from head to toe over winning special for best display in the strong competition that existed. His first prize cock was a symmetrical bird, weighing 14 pounds. He had good Brahma type. In addition to being a showy bird with good type he had splendid color, hackle being very sound and his saddle having just the style of striping that the new Standard calls for. Mr. Hendrickson's first prize hen won special for best shaped female, also for best colored tail, having three rows of splendidly laced coverts. In addition to 4th prize cockerel Mr. Hendrickson had an unplaced bird that won special for heaviest cockerel, a strapping big youngster weighing 12½ pounds. Mr. Hendrickson's 1st prize New York hen was not the hen that won 1st at the Boston Show a few weeks previous.

**DARK BRAHMAS**—2 cocks, 3 hens, 3 cockerels, 3 pullets, 2 pens. W. J. Stanton, judge. A small class of very select quality.

Riverdale Poultry Farm, F. M. Prescott, proprietor, Riverdale, N. J., made three entries, winning 1st pullet, 3rd cockerel, 2nd pen. Mr. Prescott's first prize pullet was a beautiful steel grey in color and, in addition, had good size and handsome Brahma type.

**BUFF COCHINS**—4 cocks, 8 hens, 5 cockerels, 6 pullets, 2 pens. W. J. Stanton, judge. A small class with birds of superb quality. Few, if any of the varieties have the quality to attract the average person that the Buff Cochin possesses. Their immense size, profusion of feathering and color are magnets that attract the wonderment of visitors to poultry shows.

**PARTRIDGE COCHINS**—4 cocks, 4 hens, 4 cockerels, 4 pullets. W. J. Stanton, judge. Small classes as compared with those that were shown in the days when Geo. W. Mitchell and Walter Bayliss were contending for show room honors.

**BLACK LANGSHANS**—12 cocks, 10 hens, 10 cockerels, 7 pullets, 4 pens. H. P. Schwab, judge. It was gratifying to see such quality and well filled classes.

First prize cockerel, shown by Ives & Ives, of Brantford, Conn., was one of the best seen in years. In White Langshans this firm also won several prizes.

**S. C. WHITE LEGHORNS**—24 cocks, 35 hens, 28 cockerels, 22 pullets, 11 pens.

Entry for entry, it was the strongest class ever brought together. If the entire list of winners had been removed from the class, there would still have been enough high class specimens to have

selected another lot that would have been a credit to both the variety and the show.

A year ago D. W. Young, Monroe, N. Y., exhibited a cockerel of sensational

## Before You Build or Buy

**Get Our Big New Catalog — See How Much You Save**  
by buying Potters Portable Factory-made Fresh-air Houses; coops, feed hoppers, fountains, vermin proof roosting and nesting fixtures, etc.—everything for poultry owners. Highest grade and cheaper than you can make at home.

**Ten Years' Experience**  
Houses made of matched Red Cypress flooring. Painted 2 coats. Every house set up and fitted perfectly at our factory. Shipped to you in convenient sections. Price for 25-Hen House complete with roosting and nesting fixtures, \$22. Twenty other sizes and styles to select from. Lowest prices. Book full of good ideas for poultry keepers. Mailed for 2 Red Stamps. Write today. Potter & Company, Box 19f, Downers Grove, Ill.

**GET POTTER'S CATALOG**

**SAVE MONEY ON HOUSES AND FIXTURES**

5

## Day Old Birds, Chicks and Ducks Eggs for Hatching, Breeding Stock, Cut Clover

Order early and get the reduced price. S. C. White Leghorns, Rose and Single Comb Rhode Island Reds, White Wyandottes, Silver Laced Wyandottes, White Plymouth Rocks, Barred Rocks, Anconas, Drahmas, Orpingtons, White and Pearl Guineas, Pekins, American Fawn, Penciled English and White Runner Ducks and Toulouse Geese.

### NIEMAN'S POULTRY FARM,

H. A. Nieman & Co., Ransomville, N. Y.

At The Great Mid-West Chicago Coliseum Show, December, 1914

## PURITAN PARTRIDGE ROCKS

The Real quality flock of America won 1, 2 cock; 1, 2 hen; 1, 2, 4 cockerel; 2, 3, 4, 5 pullet; 1, 2 old pen; 1, 2 young pen. This great record was made in very strong competition, nearly one hundred birds being shown, some of which were sold especially to win at this particular show. Also at three big 1914 Fall Fairs, Kentucky State, Illinois State and the Great Hamilton Show, Puritians won **13 firsts and 15 second prizes.** Sales list describing just what you need mailed free.

**BESUDEN BROS., R. W. Sturtevant, Mgr.**

Box 14-W, Evanston Station, Cincinnati, Ohio

## Champion Cock and Display AT BOSTON 1915

In the largest and strongest classes of Reds ever shown, our Reds add to their laurels by winning as follows:

**In ROSE COMBS** 1st and Champion Cock, Shape and Color Specials, 2nd Cock, 3rd Hen, 3rd and 5th Cockerels, 3rd Pen, DISPLAY FOR THE SECOND TIME.  
**In SINGLE COMBS** 1st Cock, 3rd Hen, 1st Pullet, Color Special and 4th Pen.

### IN ADDITION TO OUR CLEAN SWEEP AT PROVIDENCE

Of every 1st, 2nd and 3rd, every Shape, Color and Gold Special in Rose Combs; and 1st Cock, Shape and Gold Special, 4th Hen, 4th Cockerel, 1st Pullet, Shape, Color and Gold Special, 1st Pen in Single Combs.

## A FEW GRAND COCKS, COCKERELS, HENS AND PULLETS STILL FOR SALE

## Eggs for Hatching from the Best Pens in America

Send Stamp for Mating List. Ready February 1st.

## RED FEATHER FARM

F. W. C. ALMY, Prop., Box 22, TIVERTON FOUR CORNERS, R. I.

quality. This bird was unanimously awarded the A. P. A. Gold Medal for the best cockerel in the show by a committee of five judges. This same bird was exhibited at Boston and Madison Square Garden this year as a cock and won 1st at both places. This year Mr. Young exhibited a pullet, that in the opinion of Leghorn experts, stood out from her class the same as Mr. Young's cockerel of last year. She was without doubt the finest Leghorn female of any variety that has been shown at New York or elsewhere. Indeed, it would be difficult to criticize her. On the other hand if we were to attempt a description, it would sound like repeating the Leghorn Standard. Mr. Young's entries won handsomely at this year's show. He did not succeed in landing all of the firsts as he has done some years, but he won three of the five firsts in the cock, cockerel and pullet classes. In addition he won all five prizes in the cock class and four of the five prizes in cockerels, losing only 4th cockerel in the ten prizes awarded on males. Mr. Young informed us that with the exception of a thorough washing and soap and water, every bird shown by him was exhibited as it grew. There were no broken nor bent tails, no peroxide nor ammonia bleaching, and he offered \$1000.00 to any person who could discover evidences of such treatment. Notwithstanding that two well known breeders went through his entire exhibit looking carefully for such evidence, Mr. Young did not have to draw on his bank account.

The single entry of Rancocas Poultry Farm, M. L. Chapman, Mgr., Brown's Mills, N. J., in the pen class was the one to beat "Dan" Young for the blue ribbon. The four females in this pen matched perfectly in the finest of Leghorn characteristics, pure white plumage, neat combs, yellow legs and beaks. The male too was a showy specimen with well furnished saddle and tail. Rancocas Poultry Farm also won 1-5 hen; 4th cockerel. Mr. Chapman was judging Silver Campines when the news that his pen entry had won first was brought to him. Said he, "I knew that we had a splendid collection of birds and while I had hoped that we would win, it is a great pleasure to have our hopes real-

ized". Later on when another friend brought the news that he had won first hen, Mr. Chapman said, "I am more than satisfied. To have won two first prizes in the best class of White Leghorns ever shown and in competition with D. W. Young, the master in the production and exhibition of S. C. White Leghorns, is all one exhibitor is entitled to."

S. C. BROWN LEGHORNS: 14 cocks, 16 hens, 18 cockerels, 14 pullets, 2 pens. Geo. H. Burgott, Judge. An excellent class in quality and numbers. The class was strengthened by the strong entry of Williams Bros. & Brace, Los Angeles, Calif., who shipped twenty-two birds 3,500 miles to compete for the honors and prestige that go with a Madison Square Garden winning. Mr. J. C. Williams of the firm and Mr. Brown, his poultryman, were at the show throughout the week. It was Mr. Williams' first visit to the New York Show which he said was up to his expectations. Williams Bros. & Brace entries won three of the five firsts on cock, pullet and pen. First cock was a uniform rich brilliant red in neck, hack and saddle with a grand black striping in the first and last named sections. Both the neck and saddle matched perfectly in shade of color. Tail was lustrous greenish black as was also the wing-bar and both sections were absolutely free from any indication of purple barring. He was of good size and had plenty of style. Third cock was a bird of wonderful type and carried an extremely low tail, in fact it was really too low for the show room but made him very valuable as a breeder. Like the first bird he was very even in color and had splendid black striping in hackle and saddle. The first pen was a fine collection of four hens and a cock. The hens were very large, and weighing probably 5 to 5½ pounds. They were well stippled and even in color. The male was a splendid large bird, had a five point comb and excellent color. Mr. Williams told us that the first, second, third and fifth prize cocks and the one at the head of the pen were all produced from one mating. Like every other person that we have met from California, Mr. Williams extolled on the delightful climate which he said was well adapted to poultry raising. The breeding season is eight to twelve weeks earlier than in New York state, enabling them to hatch early and produce fully developed stock in June and July. Mr. Williams said that they had a splendid trade in furnishing exhibition stock for the fall exhibitions and early winter poultry shows.

S. C. BUFF LEGHORNS: 8 cocks, 12 hens, 17 cockerels, 11 pullets, 4 pens. Geo. H. Burgott, Judge. There was an even dozen exhibitors in this class which shows a keen interest. Quality was better than has been shown in several seasons, color being especially good. There was also a noticeable improvement in type, especially in the females.

L. E. Merihew of Marathon, N. Y., who has been a regular exhibitor at New York for the past seven years, was again successful in winning a goodly share of the prizes, including 1st and 3rd pullet. Mr. Merihew was also well pleased over the fact that second prize pullet was produced by stock sold by him. In addition to his regular prizes, Mr. Merihew's 4th prize hen won the Club Special for best colored female, his first prize pullet for best shaped female, his fifth prize cockerel special for the best shaped male. At last year's New York Show, Mr. Merihew won 1st cock. His birds are farm raised, are hardy and vigorous and

#### MAKE BIG MOMEY IN POULTRY

BIGGER HATCHES THAN EVER BEFORE, with wonderful Sheer All-Automatic Incubators. Make \$150 for every 60-EGG PEERLESS you operate. Only \$6.00. Start small grow big fast. Also, the 200-egg Peerless All-Automatic and the new principle machine, PEERLESS ALL-AUTOMATIC MULTIDECK, 1,000 EGG, are marvels for hatching results. Fitted with Sheer Fixtures, World's standard 25 years.  
H. M. SHEER CO., Dept. 133, QUINCY, ILL.

#### INDIAN RUNNER DUCKS--ENGLISH PENCIL

At Buffalo International Show, 1914, I won three 1st and one 2nd on four entries. A few choice breeders and young drakes for sale. Catalogue free.  
Sidney A. Woodcock, Box 52, Fredonia, N. Y.

#### Ondawa Farm S. C. WHITE LEGHORNS

Win prizes and Lay eggs. Eggs and Chicks from high class pedigree birds bred from trapedusted hens at reasonable prices. Choice stock always for sale.  
L. T. McLEAN, Ondawa Farm, Box 60, SHUSHAN, N. Y.

#### Crockford's Real Indian Runners

The big winners at this season's shows.

CROCKFORD, BRISTOL, R. I.

Dartmoor Dark Cornish Win at Chicago, Dec. 1913, 1-5 cock, 4-5 hen, 1 cockerel, 2 pullet, demonstrating the fact that the Dartmoor line is still a leader among Cornish. A limited number of eggs for disposal. Write your wants.

Dartmoor Yards, C. S. Brent Prop., Oconomowoc, Wis

# EVERYBODY'S

## POULTRY JOURNAL

Hanover, Pa.

SUCCESSOR TO

### POULTRY FANCIER

H. P. SCHWAB, Editor

Subscriptions 50 cents the year

Three years for One Dollar



A PRIZE WINNING CAMPINE COCK  
PALACE NEW YORK SHOW DEC. 1914 BRED & OWNED BY  
HOMESTEAD CAMPINE FARM, WAYLAND, MASS.

# Homestead Silver Campines

"THE VIGOROUS STRAIN"

WIN AT BOSTON 1915:

1-2-3 cock; 1-2 hens; 1-2-3-5 cockerel; 3-4 pullet; 1-2 pen, specials for best display, for best cock, best hen, best cockerel and best pen.

WIN AT SPRINGFIELD, MASS., 1915.

1-2 cock; 1-3 cockerel; 3rd hen; 3rd pullet, 1st pen, four specials including best display. In a class of 91 birds.

WIN AT BOSTON 1914:

1st cockerel; 4th pullet; 3rd exhibition pen, American Campine Club special.

WIN AT NEW YORK STATE FAIR, 1914.

2nd cock, 3rd cock, 2nd cockerel, 3rd cockerel, 1st hen; 4th hen; 2nd exhibition pen; 2nd display, American Campine Club special.

"Our birds have made a fine showing for quality the past year and we have some wonderful matings this season, twenty-five pens, eighteen of which are headed by prize winners, the remaining seven by unshown but remarkable birds well suited for special results. We are giving our patrons the full benefit of every pen and every prize winner.

In addition to being winners in the show room our 'Vigorous Strain' has established a reputation for stamina, early maturity and heavy laying. If you want the best in stock or eggs at reasonable prices, write your wants. Mating list on request.

Homestead Campine Farm, Box W, Wayland, Mass.

in addition to exhibition qualities are spleoid layers. He is a firm believer in the value of milk as poultry food and supplies it both to the breeding stock and to the young chicks.

Third prize cock, owned by Wilburtha Farms, Geo. J. Kerr, Mgr., Trenton Junction, N. J., was a splendid bird of good type and color. Third prize hen was another winner owned by Wilburtha Farms that had many good qualities.

S. C. BLACK LEGHORNS: 2 cocks, 4 hens, 2 cockerels, 7 pullets. Geo. H. Burgott, Judge. Not a large class but good in quality.

First prize pullet shown by Turtle Point Farms, W. M. Anderson, Mgr., Saratoga Springs, N. Y., was of exceptional type approaching the best S. C. Whites in this respect. She was of good size, and had rich pure yellow legs. Mr. Anderson says there is a splendid demand and that Black Leghorns are very good sellers.

S. C. SILVER LEGHORNS: Geo. H. Burgott, Judge. Only five birds were shown.

The best bird in the class was first pullet belonging to Turtle Point Farms. She had good type, neat small comb and soft even grey top color with a splendid salmon breast.

S. C. COLUMBIAN LEGHORNS: Geo. H. Eargott, Judge. Only four birds shown, all heloging to Prof. John H. Evans of Cranstoo, R. I.

Remarkable improvement is being made in this variety that in color resembles the Light Brahma and the Columbian Rock and Columbian Wyandotte. During the season there has been exhibited a number of males and females that have had good hackles and spleoid colored wings and tails. To Prof. Evans and Lew H. Bown of East Aurora, N. Y., belongs credit for originating this variety. Both have been working along independent lines for a number of years.

R. C. BROWN LEGHORNS: 5 cocks, 5 hens, 5 cockerels. Geo. H. Burgott, Judge. This class was not up to the average in numbers usually shown at the Garden, quality however was very good.

First prize cock owned by W. W. Kulp of Pottstown, Pa., was a good one in both shape and color and proved to be an easy winner. Mr. Kulp made but two entries in all and in addition to winning the blue in the cock class, was awarded third hen.

R. C. WHITE LEGHORNS. 3 cocks, 3 hens, 4 cockerels, 3 pullets, 1 pen.

Here again Turtle Point Farms, who are breeding six varieties of Leghorns, was the big winner with 1st cock, 1st hen, 1st and 4th cockerel and 3rd pullet.

R. C. BUFF LEGHORNS: 4 cocks, 3 hens, 4 cockerels, 4 pullets. Geo. H. Burgott, Judge.

Wm. A. Peck of Pittston, Pa., woo a goodly share of prizes including 1st cock, 2nd hen, and 1st cockerel. R. C. Buff Leghorns are showing both color and type that is quite as good as the S. C. Buffs. Size has been somewhat lacking, but the past two seasons big improvement has been made in this direction. Mr. Peck is one of the most prominent and successful breeders of this variety in the country.

S. C. BLACK MINORCAS: 4 cocks, 5 hens, 6 cockerels, 7 pullets, 2 pens. J. H. Minchell, Judge. A small class and not up to the usual New York Show Minorca standard for quality. It is too bad not to find so worthy a fowl as the Minorca better represented at New York. Any supposedly popular variety that fails to be well represented in quality and numbers suffers accordingly. It is up to the breeders of this variety to wake up.

R. C. BLACK MINORCAS: 3 cocks, 6 hens, 4 cockerels, 3 pullets, 1 pen. J. H. Minchell, Judge. A small class in numbers but good in quality.

T. A. McKittrick, Hudson, N. Y., made four entries and won 1st and 4th cockerel, 3rd pullet, 5th hen. First prize cockerel was a very good colored bird. Mr. McKittrick has been breeding R. C. Blacks for a number of years and has been an annual exhibitor at the New York Show where his birds have always woo their share of the prizes.

R. C. WHITE MINORCAS: 1 cock, 2 hens, 4 cockerels, 3 pullets. J. H. Minchell, Judge. First cockerel went to the single entry of Geo. W. Tracey, Kinderhook, N. Y. Mr. Tracey's winner was good in color, had splendid shape and good size.

E. G. Hopkins, of Peoo Yan, N. Y., made six entries and woo three firsts, two seconds and one third. Mr. Hopkins is making a specialty of R. C. White Minorcas and has been successful in producing birds that have correct type and color as well as good size.

WHITE FACED BLACK SPANISH—6 cocks, 7 hens, 10 cockerels, 7 pullets. Louis Bonfoey, Judge.

The entire exhibit heloged to R. A. Rowan, of Los Angeles, Calif., who undoubtedly is the largest and most successful breeder of this variety in the world. Mr. Rowan's exhibits at the New York, Chicago and Boston Shows have always been among the features of these exhibitions because the quality of the birds exhibited has been remarkable. Furthermore, the White Faced Black Spanish never fails to attract and prove a source of wonderment to the poultry show visitors. This variety is one of the oldest of standard breeds and are splendid layers.

BLUE ANDALUSIANS: 8 cocks, 12 hens, 11 cockerels, 11 pullets, 3 pens. W. G. Minnich, Judge. It was a remarkable class both in quality and numbers for this variety that is rapidly gaining in popularity.

E. D. Bird, of Greenwich, Conn., who has proven a staunch friend and supporter of this variety made a splendid record winning 1-5 cock; 5th hen; 2-4

cockerel; 2nd pen. First prize cock was a large attractive well colored specimeo that won 1st in easy fashion. An illustration of this specimen by Artist Schilling will appear in April A. P. W. Mr. Bird's second prize cockerel was an attractive well developed male that has spleoid color qualities.

W. O. Jennings of Buffalo, N. Y., entered three heos and woo 3-4 in a strong class. Mr. Jennings has also heeo a successful exhibitor at the Chicago, Boston and Buffalo Shows this past season. He is oot a large breeder and specializes in an effort to produce high quality specimens.

S. C. ANCONAS: 12 cocks, 17 heos, 21 cockerels, 17 pullets, 8 pens. A. H. Emch Judge. It was Mr. Emch's first appearance as a judge at the Garden and the awards as placed by him were generally satisfactory. Competition was decidedly keeo in this class that teemed with quality.

H. Cecil Sheppard, of Berea, Ohio, woo three of the five firsts in this class. Mr. Sheppard entered three pens and woo 1st, 4th and 5th. In the cock class he woo 1st, 3rd and 5th. In the cockerel class 1st and 5th., also 3rd pullet. First prize pen was said by experts to be the finest ever showd at the Garden. The four pullets were evenly mottled, not splashed, each feather being tipped with white.

The cockerel was well mottled and fine in type. Mr. Sheppard is the largest and probably the best known

## HAYNER'S BARRED PLYMOUTH ROCKS

S. C. R. I. REDS.

Winners wherever shown. Look up our Central Palace winnings, they are interesting. Bred to lay large brown eggs.

WRITE FOR PRICE LIST

H. W. HAYNER, Prop. JONAS HAYNER, Mgr. LIVINGSTON, COL. CO., N. Y.

### In December 1914

With four entries, we won 1st White Leghorn Pen, Philadelphia; 2nd White Leghorn Pen, Palace, N. Y.; 3rd White Orpington Pen, Philadelphia; 5th White Orpington Pen, Palace, N. Y. In closing 10 weeks of 1914, we have received 35 prizes. White Leghorn and White Orpington Eggs \$4, \$3, \$2 per 15. Exhibition chicks 35 cents each. A male which has won in good competition heads each egg pen. ROBERT and LOUISE DAVIS, ENGLEWOOD, NEW JERSEY

# RHODE ISLAND REDS

SINGLE AND ROSE COMB

Guaranteed winners for any show. Cocks, hens, cockerels, pullets and pens. Guaranteed breeding pens. Write for prices ROCK CREEK FARM, Route 2. GENESEO, N. Y.

## CHRISTIE'S S.C. White and Brown Leghorns

Having been bred for fourteen consecutive years—represented all over the World—they stand today without an equal as egg producers, the foundation upon which all branches of the Poultry industry hinges. Before placing your order, write today for our illustrated catalogue, and read what thousands of our pleased patrons say in regard to the WORLD'S GREATEST LAYERS. "Better be right than sorry".

S. C. WHITE and BROWN LEGHORN CHICKS—\$15 PER 100

WAYNE POULTRY FARM, F. W. Christie, Prop., Box 67, STONY POINT, N. Y.

# FERNBROOK FARM

White Wyandottes, Fawn Runner and Pekin Ducks Win at Boston, 1915.

On three entries in the wonderful White Wyandotte class, 3rd pullet in a class of thirty-six and fifth pen in a class of ten.

On PEKIN DUCKS special for best display, 2-4 old drake; 2nd old duck; 2-4-5 young drake; 3-5 young duck; 1-2 old pen; 2-3 young pen.

FAWN RUNNER DUCKS 1st old drake, 2nd old duck, 2nd young drake, 1st young duck, special for best display on four entries.

BREEDING STOCK EGGS BABY CHICKS

We are well prepared to furnish hatching eggs and baby chicks from the finest matings we have ever owned, also we have some grand breeding stock for sale at reasonable prices. Write your wants and send for mating list. Satisfaction guaranteed.

FERNBROOK FARM,

A. G. Bouck, Mgr., Menands Road, Albany, N. Y.



"America's Championship Winning."

## S. C. BROWN LEGHORNS

At Madison Square Garden, Feb., 1915, in the hottest competition seen in years, won first, second, third and fifth cocks, first pullet, first pen, and gold special for Best Display in class. Eggs and stock for sale. Shipped safely any distance. Utility and exhibition strongly combined.

SEND FOR ILLUSTRATED CATALOGUE.

Williams Bros., Fullerton, Calif.

J. C. WILLIAMS, Prop.

C. B. BROWN, Supt.

breeder of Anconas in America. He has been specializing in both the Single and Rose Combs for a number of years and devotes all his time and attention to the production of these two varieties. In addition to Mr. Sheppard's numerous winners, we liked one of his unplaced hens that was a wonder both in shape and color.

R. C. ANCONAS: 5 cocks, 6 hens, 7 cockerels, 6 pullets, 2 pens.

In this variety Mr. Sheppard won all firsts excepting 1st pullet. R. C. Anconas while hardly the equal of the S. C. variety in type and color marking have made great improvement in the past three years and to Mr. Sheppard belongs no little credit for the progress that has been established.

SILVER CAMPINES—9 cocks, 12 hens, 15 cockerels, 18 pullets, 10 pens. M. L. Chapman, Judge. A strong class in numbers as well as a good one from a quality standpoint. In this variety A. P. W. advertisers had pretty nearly everything their own way. Nearly all of the awards went to M. R. Jacobus, the Martling Henney or the Homestead Campine Farm. In cocks Martling Henney, Ridgefield, N. J., won 1st, 2nd and 5th., with three splendid specimens, the 4th went to Mr. Jacobus, Ridgefield, N. J. In hens the blue was awarded to Mr. Jacobus, an attractive specimen. 2nd and 4th went to Homestead Campine Farm. Second prize hen crowded the winner close in many sections. Third and fifth went to Martling Henney. In cockerels, Martling Henney won 1st, 2nd, 3rd with three well marked and well developed specimens. Fourth went to Mr. Jacobus. In pullets first went to Mr. Jacobus, 2nd and 4th to Homestead Campine Farm and third to Martling Henney. The Boston winner shown by Homestead Campine Farm did

not land a place. In pens Mr. Jacobus won first, Martling Henney, 2nd, 3rd and 4th, Homestead Campine Farm 5th.

At Kansas City in January 1915, Mr. Jacobus exhibited a string of 43 birds in ten classes, and won 10 firsts and 12 specials. On 25 entries, he won 25 regular prizes. Mr. Jacobus' winning Silver pullet at the Garden was awarded special for best Campine either variety hatched in 1914.

GOLDEN CAMPINES: 3 cocks, 5 hens, 7 cockerels, 4 pullets, 2 pens. M. L. Chapman, Judge. This variety was not as numerous as we had hoped to find.

M. R. Jacobus made the best record in this class winning four of the five firsts. On ten entries he won nine regular prizes.

The Martling Henney made nearly a clean sweep in the cockerel class winning 1st, 3rd, 4th and 5th and among other prizes 2nd cock.

S. C. BUFF ORPINGTONS: 11 cocks, 11 hens, 18 cockerels, 14 pullets, 7 pens. Len Rawnsley, Judge. A good class in numbers and about the best quality classes ever shown in America.

Mr. Rawnsley placed the awards in Buff and Black Orpingtons and Red and Speckled Sussex and it is to his credit that we did not hear a single "kick" over his work. In fact, it was generally conceded that Mr. Rawnsley's work was the best that had been done in Buff and Black Orpington classes in years.

Owen Farms, Maurice F. Delano, Proprietor, Vineyard Haven, Mass., won gold special for best display in addition to 1st and 3rd cockerel, 1st and 3rd hen, 4th and 5th cock, 2nd, 4th and 5th pen. First prize cockerels was one of the "star" birds of the class. In fact, in all around worth he was the best Buff Orpington cockerel that has been shown to date. In size, type and excellence of color he was remarkable and Mr. Delano had every reason to feel proud of him.

In size, type and excellence of color he was remarkable and Mr. Delano had every reason to feel proud of him.

Hugh A. Rose of Welland, Ont., followed Mr. Delano very close for the best display prize. On ten entries Mr. Rose won 1st cock, 2nd hen, 5th cockerel, 2nd pullet and 1st pen, a splendid record. There has never been shown in America by one exhibitor two better cock birds than the winner in the open class and the cock at the head of Mr. Rose's first prize pen. These birds were marvels in color, type, bone and size.

S. C. BLACK ORPINGTONS: 14 cocks, 16 hens, 11 cockerels, 10 pullets and 7 pens. Len Rawnsley, Judge.

First cock went to the large attractive well colored specimen entered by Hugh A. Rose, of Welland, Ont. In other classes Mr. Rose won, 3rd hen, 3rd cockerel, 2nd pullet and 2nd pen. A splendid record in a class that was remarkable for its quality. No other show in America can equal the quality of Black Orpingtons shown at New York. Here, each season produces the best exhibit of this variety shown in the United States or Canada.

S. C. WHITE ORPINGTONS: 17 cocks, 25 hens, 21 cockerels, 16 pullets, 12 pens. Richard Oke, Judge. Not the largest, but one of the best displays of this variety that has been caged at a New York Show.

Aldrich Poultry Farm of Columbus, Ohio, on six entries, won 1st and 3rd cock, 1st cockerel. First cock was a wonderful Orpington and an easy winner in his class. First cockerel was well developed and had good size and bone in addition to splendid color. E. S. Aldrich was at the show and explained that they did not make a larger exhibit owing to the late-

YOUNG'S STRAIN

S. C. White Leghorns

Again they win at Madison Square Garden every prize and special offered. Not a bird shown in the S. C. White Leghorn class that did not come from my strain direct or indirectly. It was the same at Boston. It was the same at Philadelphia. It was the same at Chicago. It was the same at Baltimore. It was the same at Pittsburgh. It was the same at Buffalo, in fact, it is the same from the Atlantic to the Pacific.



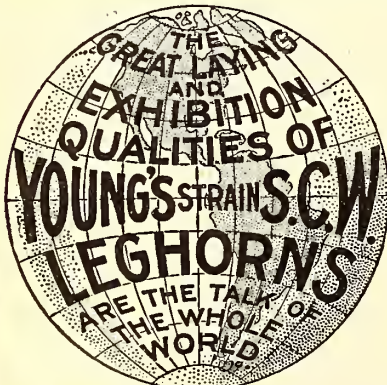
My individual winnings at Madison Square Garden, New York, February, 1915, were as follows:—

Cocks	Cockerels	Hens	Pullets	Pens
1	1	3	1	2
2	2		3	3
3	3		4	
4	5			
5				

My individual winnings at Boston, Mass., January, 1915, were as follows:—

Cocks	Cockerels	Hens	Pullets	Pens
1	1	1	5	1st old
2	2	2		1st young
3	4	3		
4		4		
5				

Young's strain is acknowledged throughout the world as being the standard for all the Leghorns and the leading strain of heavy layers. They have been bred in line by my family since 1853 for the production of eggs alone, and the show birds have simply been chosen from the layers. In fact they are the only original line bred strain of Leghorns in America today.



Why not come to headquarters for eggs when you can buy them as reasonable from me as from any other breeder.

Hundreds of grand cockerels for sale. Write for free mating list.

D. W. YOUNG,

Box W,

MONROE, N. Y.



ness of the season, additional to the fact that they had sold quite a number of birds to customers who were numbered among the exhibitors.

Owen Farms, Maurice F. Delano, proprietor, won 1st and 3rd pen, 4th and 5th cock, 5th hen, 4th cockerel, 3rd and 4th pullet. Mr. Delano's winning pens matched well in size and type and were shown in splendid condition. The four hens shown in the single class were far above average quality. Mr. Delano told us that the demand for White Orpingtons was strictly first class and that in his opinion there is no question but what there will always continue to be a satisfactory demand and sale for stock and eggs of good quality.

E. B. Rogers, of Cincinnati, won second in a strong pullet class. Mr. Rogers entered two pullets, but was unfortunate in losing the better of the two en route. At the National White Orpington Club show, held at Indianapolis, February 1-5, Mr. Rogers' entries won 2nd cock, 1st hen, 1st, 2nd and 5th cockerel, 1st pullet, 1st pen. Besides this Mr. Rogers furnished several winners to other exhibitors. For the third year Mr. Rogers was re-elected President of the club. He informed us that he is well prepared for the egg trade, that after March 1st, he will stop hatching, which will enable him to supply customers with eggs from the same pens that he is using himself. He is making a special offer to sell three settings for the price of one and as he is breeding from but a limited number of pens, those who purchase from him can depend on getting eggs from very selected matings.

**BLUE ORPINGTONS**—2 cocks, 5 hens, 3 cockerels, 5 pullets, 2 pens. Richard Oke, judge.

The star of this class was the first prize pullet, shown by the Brucecroft Poultry Farms, Lynbrook, N. Y. In type, bone and size this pullet was about as good an Orpington as has been shown this year. In fact, she was considered by the judges with the winning S. C. Black cockerel for the special for best Orpington raised in 1914. In color this bird was a beauty, being of handsome shade of blue with splendid lacing. On four entries Brucecroft won 1st and 3rd pullet, 2nd cockerel, 1st pen.

Haldie Nicholson, of Leominster, Mass., pioneer breeder of Blue Orpingtons, made four entries and won 1st cock, 1st hen, 1st cockerel and 2nd pullet.

**R. C. BUFF ORPINGTONS**—2 cocks, 3 hens, 2 cockerels, 1 pullet. But one Rose Comb White Orpington was shown.

**SILVER GREY DORKINGS**—2 cocks, 2 hens, 2 cockerels, 2 pullets. A small class in numbers but of the very highest quality. One White Dorking cock and one Colored Dorking were shown.

**DARK CORNISH**—9 cocks, 9 hens, 10 cockerels, 3 pullets, 3 pens. J. H. Drenstedt, judge. Not the usual large class shown at New York, but every bird shown was a good one.

John W. Ward, Jr., of Pennington, N. J., furnished a surprise by entering a strong string of imported birds that arrived from England just previous to the show. Mr. Ward's entries won 1st and 3rd cock, 1st hen, 1st, 3rd and 5th cockerel, 1st, 2nd, 3rd, 4th and 5th pullet 2nd and 3rd pen, special for best display of Cornish, all varieties competing, also special for best display of Dark Cornish. Mr. Ward reported splendid sales during the show. He stated that his receipts for show week, including premiums and sales, would total more than \$500.00. Mr. Ward has done efficient work for the Cornish fowl as Secretary of the American Cornish Club, which organization has been an important factor, putting new life and interest into Cornish fowl matters.

Dr. W. A. Low, Catonsville, Md., made three entries and won 2nd cock, 2nd cockerel, 2nd hen. Second cockerel had a splendid head and comb, was a low-set bird with legs very wide apart, and had a broad breast and hack. Dr. Low informed us that he was hatched August 5th and at show time weighed 8 pounds. Second cock was Mr. Low's well known "Dictator", a large, well shaped bird, weighing 14 pounds.

**SPECKLED SUSSEX**—4 cocks, 7 hens, 7 cockerels, 13 pullets, 7 pens. Len Rawnsley, judge. Quality in this class was strengthened by the showing of a number of birds that just arrived from England.

Robert H. Essex, of Buffalo, N. Y., was the successful winner of best display prize in this variety. Mr. Essex, in addition to showing winners in every class, won 1st pen with a choice collection that matched well in shape and color. He reported that the demand for Speckled Sussex during the show was good, indeed, and stated that he had booked a number of orders for stock and eggs.

**RED SUSSEX**—4 cocks, 5 hens, 9 cockerels, 9 pullets, 4 pens. Like their cousins, the Speckled variety, this class brought out some attractive specimens. Contrary to what might be commonly supposed, the color description for Red Sussex differs materially from that of the Rhode Island Red. In an early number of AMERICAN POULTRY WORLD we will publish an article on Speckled and Red Sussex color.

**WHITE CRESTED BLACK POLISH**—3 cocks, 5 hens, 8 cockerels, 8 pullets, 3 pens. Richard Oke, judge. This handsome variety was represented by a larger and better class than the average.

Most of the prizes went to Will J. Kelley and Wesley Baldwin, two of the country's best known and most successful breeders.

There was a small display of Golden, Silver and Buff Laced Polish.

**SILVER SPANGLED HAMBURGS**—7 cocks, 9 hens, 6 cockerels, 7 pullets, 1 pen. John Lowell, judge. It was a larger class than usually is found at New York with some birds of rare quality.

There was only small entries in the Silver Penciled and Golden Spangled and Black Hamburg classes.

**MOTTLED HOUDANS**—12 cocks, 11 hens, 7 cockerels, 7 pullets, 3 pens. D. P. Shore, judge. This class was strong in numbers and strong in quality.

Jas. Abernethy, of West Pembroke, Me., made three entries, all in the hen class, and won 2nd, 3rd and 4th. Mr. Abernethy is ex-president of the American Houdan Club. For years he has been a successful breeder and a staunch friend of this variety.

**WHITE HOUDANS**—Stuart Howland, of Granville, N. Y., well known as a breeder of Buff Wyandottes,

**\$8.50** Buys 150 Egg Incubator and 150 Chick Metal Brooder. An astonishing offer. Why pay more? Quality guaranteed—satisfaction assured or money returned. Write for details. Rockford Incubator Co., Box 12, Rockford, Ill.

**CROCKFORD'S REAL RUNNERS**

Winners at America's 3 Greatest Shows 1914-15

At the Palace, 5 firsts, 4 seconds. Boston. Old Drakes 1-2-3, Old Ducks 1-2-3, Young Drakes 1-2-3-4, Young Ducks 1-2-3-4. Madison Square Old Drakes, 1-2, Old Ducks 1-2, Young Drakes 1-2, Young Ducks 1-2 and all specials.

CROCKFORD, BRISTOL, R. I.

**BLUE ANDALUSIANS**

Bred as a specialty and producing winners at all shows, 104 ribbons and 17 specials at 13 shows during 1914-15. Winner Champion Challenge Cup at Boston and Blue Andalusian Club Specials wherever offered. Wonderful layers of large white eggs. Stock and eggs for sale. Send for 1915 mating list.

E. D. BIRD,

GREENWICH, CONN.



**1915 EFFICIENCY**

4 to 1

Converts 5 pecks of dry grain into 5 bushels of fresh, green, egg making and chick growing feed. Does its work every day of the year without lamp or expense. Pays for itself in first month by reducing grain bill. Puts eggs in the nest. Grows rapid broilers, an ornament for the kitchen window or any place in the house. Green stain finish. Our 1915 Efficiency Sprouter combines simplicity with economy and all necessary and most convenient sprouting features. Greatest capacity of any sprouter made at the price of \$5.50 F. O. B. Warrensburg, N. Y. Satisfaction or money refunded.

C. CASS SMITH EFFICIENCY CO.,

WARRENSBURG, N. Y.

**LARGE UTILITY S. C. WHITE LEGHORNS**

THE BIG KIND THAT LAY BIG EGGS

All big, hardy, free range birds, bred from record hens

HATCHING EGGS \$6.00 per hundred

DAY-OLD CHICKS 14c each

100 per cent. fertility guaranteed. Write us.

THE PROPO FARMS

EDWARD L. BLUM,

LORELEY, Balto. Co., MD.

**LOCAL AGENTS WANTED**

Men and Women living in towns, villages and rural communities can use spare time profitably selling our Incubators, Brooders, Hovers, Foods, Insecticides, Metal Goods and Poultry Supplies.

Liberal Cash Discounts Allowed—No Capital Required. Some of our Local Agents make \$200 to \$350 in the Three Spring Months and devote only their spare time to the work. For full particulars, address our place of business nearest you.

CYPHERS INCUBATOR COMPANY, Factory and Home Office, Buffalo, N. Y.

Branch } New York, N. Y. Boston, Mass. Chicago, Ill. Kansas City, Mo. Dallas, Tex. Oskland, Cal.  
Houses } 41 Barclay St. 12 Canal St. 329 Plymouth Ct. 317 Southwest Blvd. 316 N. Preston St. 2127 B'd'y.

**VICTOR EGG PRESERVER**

Preserving eggs when they are plentiful and prices are 18c to 25c per dozen and keeping them until eggs are scarce and prices range from 40c to 60c per dozen is certainly true economy. Now just suppose last Spring you had bought your Winter's supply of eggs when they were selling at 18c and 20c per dozen and put them down with VICTOR EGG PRESERVER the same as you would fruit in the canning season, what a saving you would have made. Our preparation is absolutely harmless and simple to use. The contents of a package dissolved in fifteen quarts of water will preserve 25 dozen of eggs. Buy a package of our VICTOR EGG PRESERVER now and be ready when the price of eggs drops, to put down your winter supply. VICTOR EGG PRESERVER sells for 25c package and if you are unable to secure same from your dealer we will send you a package by parcel post postpaid on receipt of 35c in stamps. We make a special price on an order for one dozen packages. Agents Wanted.

**APOTHECARIES HALL CO.**

14-24 Benedict St.,

Waterbury, Conn.

has recently taken up the White Houdans. Mr. Howland exhibited three White Houdans at New York and won 1st cock, and first and second pullet.

Mr. Howland did not show Buff Wyandottes at New York as usual, as he has a big trade in this variety and at the time of the New York show his breeding yards were mated in preparation for the season's egg trade.

**WHITE FAVEROLLES**—5 cocks, 9 hens, 9 cockerels, 10 pullets, 3 pens. D. P. Shove, judge. This variety is surely gaining in popularity. According to well known breeders, such as D. Lincoln Orr, K. M. Turner, of Dictograph Farm Lew H. Bown, this variety develops quickly and are splendid layers.

First prize pen, belonging to D. Lincoln Orr, established a season's record by winning first at Boston and first at the Palace Show, in addition to the Madison Square Garden Show. Mr. Orr's entries also won a number of other prizes at Madison Square Garden, including first cock.

Dictograph Farm, K. M. Turner, proprietor, West Nyack, N. Y., the largest breeders of White Faverolles in America, were very successful at the Garden, winning, among other prizes, 1st hen and 1st pullet. These blue ribbon winners were especially attractive, possessing splendid muffs in addition to solid, well-meated bodies and pure white plumage.

**SALMON FAVEROLLES**—3 cocks, 6 hens, 5 cockerels, 7 pullets, 1 pen. D. P. Shove, judge. This is the largest class of this variety that we have seen for some time and some excellent specimens were brought out.

W. W. Hall, of Providence, R. I., won, among other prizes, 1st cock. This bird was a splendid specimen, one of the best Salmon Faverolles that we have ever seen. This same bird also won first at Boston.

Dictograph Farm, West Nyack, N. Y., made two entries in this class and won 3rd and 4th hen.

**BUFF FAVEROLLES**—2 cocks, 4 hens, 4 cockerels, 4 pullets, 1 pen. D. P. Shove, judge. For a new variety, the birds showed remarkable uniformity of type and color.

**BUTTERCUPS**—5 cocks, 8 hens, 17 cockerels, 12 pullets, 2 pens. W. M. Anderson, judge. Splendid improvement is certainly being made in this variety. The birds are showing uniformity of ground color and markings.

**FAWN AND WHITE RUNNER DUCKS**—6 old drakes, 2 old ducks, 4 young drakes, 1 young duck, John Kriner, judge.

John Slade, of Malvern, Pa., made four entries and won 1st and 2nd old drake and 1st and 3rd young drake. Mr. Slade has been especially successful in breeding this variety. A Runner Duck, belonging to Mr. Slade, established a world's record by producing 358 eggs in 365 days. A detailed statement of this record, together with Mr. Slade's affidavit, appeared in November A. P. W.

**WHITE RUNNER DUCKS**—3 old drakes, 4 old ducks, 4 young drakes, 5 young ducks. John H. Kriner, judge.

The entries of F. K. Crockford, Bristol, R. I., dominated this class. On eight entries Mr. Crockford won four firsts and four seconds. The quality of his birds was superb. In station, in shape of head and in walk they are true Runners in every sense. The quality of White Runner Ducks shown by Mr. Crockford the past two seasons entitles him to the position as America's foremost breeder of this variety.



The above illustration shows a single day's shipment of "Ringlet" Barred Rock hatching eggs made by E. B. Thompson, Box 330, Amenia, N. Y. It pictures the careful manner in which Mr. Thompson packs his egg shipments that go to every part of the American continent as well as to foreign countries. To meet his immense trade in hatching eggs Mr. Thompson each year has 65 to 70 high class matings, each one put together with studious care in the endeavor to produce the requirements of the Standard of Perfection. A new mating list describes Mr. Thompson's 1915 matings. Every A. P. W. reader interested in Barred Rocks should send for a copy. It may be had for the asking. (Look up Mr. Thompson's ad on back cover).

## CAMPINES

**SILVERS, GOLDENS.** Just as popular as ever, coming stronger every day, making new friends. Book on Campines FREE with each order. EGGS lower than ever. Write now for 1915 mating list.

Dr. J. H. Prudhomme, Desk 6, Thurmont, Md.

## S. C. RHODE ISLAND REDS

My matings are the result of twenty years of scientific breeding. The last five years I have produced and sold exhibition specimens that have won in nearly every large show room in the United States. Send for free mating list.

GEO. L. BUELL, Box W, LORAIN, OHIO

## "IDEAL" BARRED ROCKS

Winners of highest awards at America's greatest shows including Hagerstown, Allentown, Cleveland, Buffalo, Baltimore, Williamsport, etc., etc. One hundred forty three first prizes during the last 9 years.

For the season of 1915 I have put together the finest matings I ever owned. The price for eggs will be \$5 per 15; \$9 for 30; \$25 for 100.

I can also supply a few selected breeding pens consisting of 1 male and 5 females at \$20. If you want Barred Rocks write.

JAS. T. HUSTON, Box W, WILLIAMSPORT, PA.



E. B. ROGERS.

### MY HAT IS IN THE RING

As I promised you it would be after two years of

### WATCHFUL WAITING

They are back numbers, the winnings of 1910 and 1911. If interested look 'em up. Last year we furnished fifty blue ribbon winners from New York to Portland, Oregon. Our first work out in 1914 at Buffalo, 5 ribbons on 5 birds shown. Chicago, December, 1914—1st cockerel, 1st pullet, 1st young pen and some others.

### AND I HAD THE BLUES TOO

Eventually you will get them, why not now? On four entries I won 1st and 3rd hen, 3rd pullet and 5th cockerel. What Judge Greenwood, Artist Schilling and others said about the first hen's type and color would make any chicken blush.

### BETTER GET THE BLUES

They are the only chickens that will ever teach the White Orpington the Hesitation or make them Turkey Trot. So far they have led all others in a Cake Walk. Now seriously, if you want to get "Started Right" in either White or Blue Orpingtons, write us. Remember our birds must come back if they do not please. A satisfied customer of no sale is the motto of

Rogers Poultry Yards, 1360 Herschell Ave., Cincinnati, Ohio  
BREEDERS of QUALITY WHITE and BLUE ORPINGTONS

**INBREEDING — THE MOUSE TRAP AND THE BEATEN PATH**

By L. F. Van Orsdale, Cincinnati, Ohio

(Continued from page 317)

do so if he wanted to, the safest and wisest plan to follow in breeding is to make matings without any thought whatever of the relation to one another of the individuals mated. In some instances they will be closely related, in others not so, purely as a result of chance. If only individuals of high constitutional vigor are used as breeders no thought may be taken of the relationship and there will be no necessity for going out of the flock to get 'new blood' to rejuvenate the stock. Further, if no new blood is brought in there will be sufficient inbreeding purely from chance to bring about in time (in a flock of not too diverse origin) a considerable degree of purification in respect to selected characters.

**NEW BLOOD.**

"Introduction of new blood for the purpose of rejuvenation or reinvigoration, which is one of the commonest practises of the poultryman, is, as ordinarily done, one of the surest ways to prevent any real or permanent improvement of his stock by breeding. The difficulty here is that when one introduces new blood he runs the risk of introducing a whole set of characters inferior in their degree of perfection to what he already has in his own stock. The real cause which so frequently leads poultrymen, who should know better, to take this risk is the failure rigorously to select breeding birds for high constitutional vigor.

"The average poultryman finds it very hard to discard some particularly fine specimen just because it shows little weakness in one way or another. He is disposed 'just this once' to let the bird by and use it as a breeder. This practice continued will make 'new blood' necessary for rejuvenating purposes.

"Again, the careful breeder often finds himself in this situation. He has by well-planned and well-executed breeding brought his stock up to a particular level of excellence. There the improvement stops. His birds bred true to that particular degree of quality, but cannot be made to attain a higher degree. In other words, he substantially has purified his stock with respect to the characters which interest him. But he sees that the stock of some other breeder is measurably better than his. If 'A' is to get his stock up to the 'B' level, he must intro-

duce some of the 'B' blood. This has long been the poultryman's procedure, and if done in the right way it is found to be as successful in practice as it is justifiable in theory in the light of modern ideas respecting inheritance.

"The danger in the matter in such a case as this under discussion all turns on the way in which the thing is done. If one feels that it is desirable, for the reason specified, to introduce 'new blood' into his flock of birds, by all means let him do it gradually, and not swamp the whole flock with the new germinal combinations all at once. For if he does he may destroy in this year at one blow results which have taken years of careful breeding to build up. The proper procedure in introducing 'new blood, is, in most cases, to buy a male bird and

mate him the first year with only a small number of females, perhaps three or four. In this way it is possible to find out if the 'new blood' 'nicks' with the old, as the breeders express it. If it does he may then extend its introduction

**RED SUSSEX**

1914 Grand Central Palace

1st. Cockerel	1st. Pullet
2nd. Cockerel	2nd. Pullet
3rd. Cockerel	3rd. Pullet
4th. Cockerel	4th. Pullet

STOCK AND EGGS

**CHESTNUT RED FARM**

HACKENSACK, N. J.

**BUFF WYANDOTTES** YOUNG STOCK FOR SALE UTILITY AND FANCY

We won A. P. A. Grand Prize Medal for Best in American class at last New York, Palace Show.

THEODORE S. HEWKE,

MIDDLETOWN, N. Y.

**ABERNETHY'S HOUDANS**

Show their quality at the two big shows. Boston with four entries we won 1st, 2nd, 3rd hens and 2nd pen. Madison Square Garden Show, New York, with three entries winning 2nd, 3rd 4th hens. They have the winning habit. If you want the best write me.

JAS. ABERNETHY,

Box W,

W. PEMBROKE, ME

**FAIRVIEW WHITE ROCKS**

Sweepstakes champions at Chicago 1912 and other shows. Large catalogue telling all about them free. Eggs from twenty grand yards \$10 per 15, \$18 per 30, \$25 per 45, \$32 per 60, and \$50 per 100. 20 per cent discount for cash on all orders received before February 15 for eggs to be delivered at a later date. Mating list ready.

GUY DAILY,

Box D,

JEFFERSONVILLE, IND.

**EGGS AND BABY CHICKS FROM FOGG'S SINGLE COMB WHITE LEGHORNS**

All our breeders this season are old birds. They produce the strongest chicks. The kind that live. If you want the most for your money, send for mating list now. Safe arrival of chicks and eggs guaranteed. Can furnish choice breeding cockerels, trios and pens at right prices.

N. V. FOGG,

Box W,

MT. STERLING, KY.

**RILEY'S R. C. REDS**

Close a victorious season at Rochester, N. Y. January 4-9 by winning 5 firsts, many minor prizes and specials including best display and silver cup. Why not start right by securing some of this quality? Breeding pens now mated. Three high class matings consisting entirely of Blue and Red Ribbon winners \$5 per 15. Mating list describing these and other matings upon request.

C. E. RILEY,

749 Fillmore Ave.,

BUFFALO, N. Y.

**=WHITE HOUDANS=**

are now in the Standard, after enthusiastic support from such great judges as Drev-enstedt, Rigg, Denny, Platt and Shove. Their utility qualities are no less wonderful than their beauty. They are prolific layers of the largest white eggs, the table fowl of unique and cardinal merit, a combination not heretofore found in old breeds or new. Learn about them by writing to

F. D. BAERMAN,

DUNELLEN, NEW JERSEY

**BOWN'S BIG THREE**

COLUMBIAN PLYMOUTH ROCKS WHITE FAVEROLLES COLUMBIAN LEGHORNS

In strong competition in all classes at the Greater Buffalo Show, Thanksgiving Week, proved their quality by winning as follows:

**COLUMBIAN ROCKS**—1-3-5 Cockerel, 1-2-4 Pen Young, 2 Pen Old, 3 Cock, 3-5 Hen, 3-5 Pullet.

**COLUMBIAN LEGHORNS**—1 Pen Young, 2-3 Cock, 1 Hen, 2-3-4-5 Cockerel, 1-2-4-5 Pullet.

**WHITE FAVEROLLES**—1 Old Pen, 2 Young Pen, 3-5 Cock, 3-4 Hen, 2 Cockerel, 2-3-4 Pullet.

At New York State Fair, Syracuse, 1914, 1 Hen, 1 Pen, 3 Cock.

Let me tell you more about their good qualities. Not alone as ribbon winners in the show room but as producers of eggs, choice table fowl, etc. Now booking egg orders.

LEW H. BOWN,

Box W,

EAST AURORA, N. Y.



into the whole flock. If it does not 'nick' he will not have lost all, but may continue with his original foundation stock, with all its good qualities.

"In the hands of the skillful poultryman the same stock can be made to yield a great deal more profit, both in egg production and in meat production than if cared for by an amateur without any understanding of the business."

#### NATIONAL WHITE WYANDOTTE CLUB

The annual meeting of the National White Wyandotte Club was held December 9, 1914, in connection with the Pennsylvania State Capital Show, Harrisburg, Pa., held by the Central Pennsylvania Poultry Association, C. S. Smith, Secretary, West Fairview, Pa.

The following officers were elected to serve for the year 1915: President, A. J. Gies, Delmar, N. Y.; Vice-President, John S. Martin, Port Dover, Ont., Canada; Secretary-Treasurer, S. C. Babble, New Cumberland, Pa.; Executive Committee, L. J. Denberger, Stewartsville, Ind.; Carrington Jones, Buntyn, Tenn.; W. H. Biddle, Tacoma, Wash.; F. B. Williams, Naugatuck, Conn.; A. J. Fell, West Point, Pa.

The enthusiasm of the meeting emphasized the fact that White Wyandottes, the breed with many years of unbroken growth in popularity back of them, are today growing in favor in all countries more rapidly than ever before. To their consistent performance in egg-laying competitions, wherever held, much of this growth is ascribed, and to back up this conviction and contention that standard bred Wyandottes are in no wise deficient in the qualities that make for high productivity, it was voted upon motion that the club enter at least one pen of standard bred White Wyandottes in the Storrs, Connecticut, competition, and, at least one pen in the Mountain Grove, Missouri, contest; to start in the fall of the present year.

The club, the largest specialty club in the world, is confident of greater growth henceforward than ever before and it will be the ambition of its officers to render members the greatest possible service. Membership dues are one dollar per year and applications for membership or requests for information should be addressed to S. C. Babble, Secretary-Treasurer, New Cumberland, Pa.

#### WILBURTHA GETS THE HONORS AT PITTSBURGH

Yes, the splendid showing with S. C. Buff Leghorns and Columbian Wyandottes certainly backed up Wilburtha's slogan, "Buy our stock and make a name for yourself." Here are the winnings:

##### S. C. BUFF LEGHORNS

1st, 5th cock; 4th hen; 1st, 3rd cockerel; 2nd, 5th pullet; 1st pen 2nd young pen; champion male; all male specials; best display.

##### COLUMBIAN WYANDOTTES

1st, 2nd cock; 1st, 2nd hen; 1st, 2nd pullet; 1st cockerel; 1st young pen; 2nd old pen; all specials; best display.

The show records of these birds have been simply amazing. At Grand Central, Madison Square Garden, Allentown, Hagerstown, Syracuse, Chicago, etc.—always the same story—and yes, a better story. Mr. Chas. J. Fisk, owner, went to Pittsburgh, confident of as big a victory as ever—and he won it. Wilburtha birds have that style, vigor and quality that makes for championships. But "fine feathers" are backed by a cold, hard cash UTILITY basis—Wilburtha birds are LAYERS, and mature early into toothsome broilers and roasters. They have well earned their reputation of constituting "the best all-around strains of the best all-around breeds."

Write for your free copy of the beautiful new catalog—soon off the press. Learn the reason for Wilburtha's splendid record and what it means to YOU. Address Wilburtha Poultry Farms, Box W, Trenton Junction, N. J.

#### THE AMERICAN BLACK ORPINGTON CLUB

The 1914 election of officers of the American Black Orpington Club resulted in the following officers being elected:

President, C. S. Byers, Hazelrigg, Ind.; Vice-President, R. N. Barnum, Lime Rock, Conn.; Secretary-Treasurer, Ralph Whitney, Rochester, Minn.; Executive Committee, Ora Overholser, Eaton, O.; R. Roberts, Essex, Ont., Canada, C. J. Carter, Columbus, Ind.

The annual meeting and show of the club will be held in Indianapolis, Ind., Feb. 1-6, 1915, at which a rousing meeting will be held. There will also be an eastern meeting, held in connection with the Madison Square Garden Show, New York City.

The American Black Orpington Club was merged with the National S. C. Black Orpington Club at the annual meeting of the National at Pittsburgh, Pa., Exposition Show, January, 1914, under the name of the American. All of the live members of the old club transferred their membership and now a grand united club is boosting the Black Orpington.

We are expecting to send a free copy of the 1915 Year-book of the club to every breeder of Black Orpingtons who will send their name and address. The book is now off the press, if you desire a copy send now. Address:

Ora Overholser, Sec.-Treas.,  
American Black Orpington Club, Eaton, O.

#### A FEW FACTS TO REMEMBER

Pullets must be well matured before they will lay many eggs.

Pullets that start to lay in the fall before cold weather sets in will, as a rule, lay all winter.

It is the early hatched pullets that produce eggs in the fall and early winter, when prices are high.

February, March, and April are the months to do your hatching in order to secure early hatched pullets.

Yearling and 2-year-old hens do not lay many eggs in the fall, as they are molting at that time, and the feed they consume goes not only to keep up the energy and life of the birds but also to put on or grow a new coat of feathers.

In properly matured pullets all surplus energy beyond that needed to meet the requirements of the body is available for the production of eggs.

Write the Secretary of Agriculture, Washington, D. C., for free bulletins on poultry management.

\*\*\* A postal will bring a copy of our Clubbing Catalogue by return mail \*\*\*

W. J. Caines, Box 64, Richmond, Va.  
SPECIALTY JUDGE

All varieties of CORNISH and GAMES.  
Correspondence Solicited.

HUSTON'S "IDEAL" BARRED PLYMOUTH ROCKS are proving their ability to win at Poultry Shows all over this broad land. Look up their new records made this year at Hegerstown, Md., Allentown, Pa., Williamsport, Pa., and Harrisburg, Pa. I can sell you breeding cockerels at \$3 to \$10, females at \$2 to \$5. Write me.  
JAMES T. HUSTON, Box L, WILLIAMSPORT, PA.

#### JERSEY GRIT FOR POULTRY

FOUR IN ONE  
VITALIZER, SHELL MAKER, TISSUE  
BUILDER, HEALTH TOXINE  
Used by over 80,000 Poultry Raisers. Over One Million Bags sold in 1914. 300 lbs. for One Dollar  
Send for Samples and Analysis.

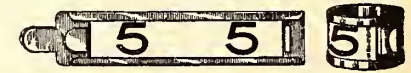
ARTHUR W. BISHOP, PATERSON, N. J.

#### S. C. WHITE LEGHORNS

Sunnyside S. C. White Leghorns are my hobby, have bred them for years on free farm range from carefully selected matings until today they stand second to none in standard quality, and egg production. Let me tell you about them or better still let me fit you out with a select pen. Some choice breeders both male and female at reasonable prices.

ONCE You Try Sunnyside Leghorns, NO OTHERS SATISFY  
G. L. WHEELER, Box W., PENN YAN, N. Y.

#### POULTRY BAND FREE



PATENT APPLIED FOR  
Send for sample and trial offer of the Bourne "Bignum" poultry band. All sizes. Numbers from 1 to 300 on seven colors of background. Price 3 cents each, \$2.50 per 100.  
BOURNE MANUFACTURING CO.,  
234 Howard St., Dept. W MELROSE, MASS.

## S. C. REDS

Winners continuously for 6 years at Philadelphia, Hagerstown, Paterson, etc. Eggs \$3, \$5, \$10 for 15. Chicks from best pens 50 cents and \$1.00 each, Others \$18 per 100.

J. H. CROSSLEY & SON,

P. O. Box 77,

MAGNOLIA, N. J.

#### VIERHELLERS'

#### SUNBURST STRAIN--BUFF PLYMOUTH ROCKS

"Our young stock is ready to show. If you want to win at the early shows, we can furnish you the birds to win. Write us at once."

VIERHELLER BROS.,

17 Sylvania Ave.,

PITTSBURGH, PA

## MAPLEGLLEN FARM S. C. REDS

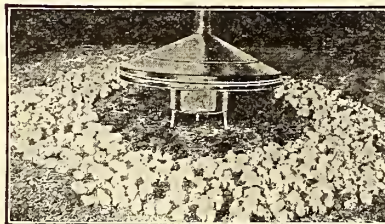
(Tomphin's And Scranton's Strain)

Eggs for hatching \$1 per 15, \$6 per 100. Baby chicks \$18 per 100, \$10 per 50, \$5 for 25. It's hard to find utility stock to compare with ours.

J. S. BERGH'

JACKSON CORNERS, N. Y.

## Coal Burning and Oil Burning American Brooder Stoves for any Number of Chicks Fresh Air and Economy Combined



Automatic ventilation. Self regulating, heat control. Pure air equalizer attachment, and several other exclusive features. Fully explained in our new catalogue, which is free. Write for it. Address nearest office.

### AMERICAN BROODER STOVE CO.

Indianapolis, Ind.

Oakland, Calif.

## THE BLUE ANDALUSIANS

By Wm. Orlando Jennings

Buffalo, N. Y.

(Continued from page 319)

poultry public do not know what a lot of good qualities there are combined in this variety of fowls. A number of breeders that have started with Andalusians in the past two years have been surprised to learn of their heavy egg production and early maturity.

### DISSATISFACTION IN JUDGING

In the past there has been much difficulty and dissatisfaction in judging Andalusians. Owing to the lack of knowledge of this variety, judges have compared their type too closely with that of Leghorns or Minorcas. The Andalusian has a distinct type of its own, large, rangy, well up on legs and upright in carriage. Quite often judges overlook the importance of the upright carriage which gives the Andalusian their distinct type.

The average breeder of this variety does not approve of the extra wide spread tail in either males or females, but prefers a tail spread about half or two-thirds of that possessed by the Leghorn varieties. A tail of this width, together with the upright carriage, gives the variety a more smart, gamy appearance. I have found that a too large, beefy comb does not add to the appearance or to the benefit of the Andalusian. Birds possessing the above qualifications, combined with a distinct, clear, laced plumage, have attracted much attention during the past season and have been highly commended by a number of leading poultrymen of this country.

History tells us that the Andalusians were introduced into England in 1851 and that they were purchased from Spanish traders. However, there were Black, White and Blue Minorcas in England twenty years before this. The origin of the Andalusian is somewhat uncertain. Whether they were produced by crossing Black and White Minorcas, or whether the Black and White Minorcas were offsprings from the Andalusians is unknown; although very few people who look into the history and origin of Andalusians believe that they were produced by a Minorca cross, as the first Andalusians which we have any history of, possessed low, game-like combs. They also had the upright carriage and pinched tails of the game.

The name, Andalusian, no doubt, was taken from Andalusia, a region in the southwestern part of Spain. This region was inhabited and owned by the Moors from 711 to 1492 A. D. This is the country, no doubt, where the Andalusian was first raised. Different varieties of game were very popular throughout this section at that time, therefore, there is little doubt but what the original Andalusians contained a large amount of game ancestry.

The Minorca was first known of on the island of Minorca, off the southwestern coast of Spain, from which island this variety gets its name. This island was held by the English in the eighteenth century and retroceded to Spain in 1802. Most of the authorities on Andalusians today believe that the Andalusians existed many years before the Minorcas were heard of, but after they were introduced into England, there is a theory that they

were crossed on to Spanish or Minorcas to increase their size and to secure larger combs.

Dear reader of this article, if you are not acquainted with the Andalusian, get acquainted the next opportunity you have. When at a poultry show, look them up. Measure them carefully for a heavy egg producing fowl. Note the length of body, depth of keel, also the large bone, fraue and vigor which they possess. You will find them a fowl well worth your consideration.

### PREPARE NOW FOR DEAR EGGS NEXT FALL

If the farmer wishes to benefit by the high prices that eggs are certain to bring next fall and winter, he should begin to get ready for them at once, say the poultry specialists in the department. The way to have eggs late in the year is to hatch pullets early. It is the early hatches from which the early pullets are derived that are the largest money makers for the poultry producer. The early hatched cockerels can be marketed in almost any market in America when they attain a weight of three-fourths of a pound to a pound and a half each, which they should reach at about 6 to 10 weeks of age, respectively, at a greater profit to the producer than at any other time of their lives. The early hatched pullets, if properly grown, should begin to lay in the fall at the time when eggs are scarce and high in price.

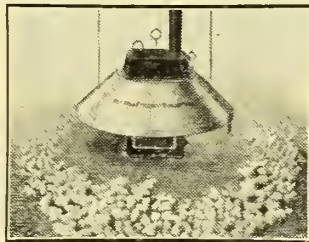
**BUTTERCUP EGGS** Fertility Guaranteed, Loring (large egg) Strain. Circular free For Hatching. J. S. McBRIDE, BEVERLY, O.

## WHITE CRESTED BLACK POLISH BEST IN AMERICA

I have raised a fine flock of birds from my Madison Square and Boston prize winners. Splendid green black color. Fine large crests. Grand size. Free photographs. Write

WESLEY BALDWIN, East Park Place, NORWICH, N. Y.

## The Hill Colony Brooder



The only self-regulating brooder stove in the world equipped with a portable safety magazine and peep hole in top. A most wonderful invention. Impossible for gas to escape in the house. Will brood chicks better than a hen. Price within the reach of every one. Write for circular

Mercer Poultry Farm, Trenton, N. J.



## MOORE BROS. S. C. WHITE LEGHORNS

*Exhibition Stock now ready.* Grasp the opportunity to secure stock from one of the greatest winning strains of Leghorns in America. Farm raised, healthy, vigorous. They lay as well as win. Our free catalogue gives full information with description of our 12 matings. Send for copy to-day. Remember that we can supply you with layers or winners.

"You can win with our Strain"

MOORE BROS, Box W, MOSCOW, N. Y.

## Silver Penciled Wyandottes

For Choice Stock Write

HORACE HAVEMEYER, STAMFORD, CONN.



### COLORED LEG BANDS

Big Black Figures on White Background All colors, all sizes for all fowls and pigeons. Birds identified without handling. Baby chick bands, 18 colors, not numbered. The best band in the world today. Samples and catalogue 2 cent stamp. A. P. SPILLER, Dept. B. Beverly, Mass.

## ORR'S COLUMBIAN WYANDOTTES

I am willing now to part with a few good birds. Some real nice cocks, hens, cockerels and pullets. The winning strain at the Garden, N. Y., Show for years. No circular. Write

D. LINCOLN JRR, Box 2, ORR'S MILLS, N. Y.

**THE MOISTURE PROBLEM SOLVED!**

THIS Incubator Scale will reduce your Incubator and Brooder loss to a Minimum because it tells you Absolutely what to do each day with MOISTURE and VENTILATION. Write for Booklet which tells how 100 SETTING HENS furnished Data for this Scale.

**\$2.50 EACH** INCUBATOR SCALE CO. PREPAID CHARLESTON, W. VA. IN U.S.

Sold with "MONEY BACK" Guarantee. Fits any Tray. Never needed for.

## HOW TO RAISE THE BIG FELLOWS OR MAKING ANCESTORS

GOOD ANCESTRY ONE OF THE IMPORTANT FACTORS IN SUCCESSFUL POULTRY BREEDING. GOOD FOOD AND PROPER MANAGEMENT HELP TO PRODUCE THE BIG, VIGOROUS FELLOWS THAT ARE THE PRIDE OF THE OWNERS

BY A. M. LOCKWOOD, Buffalo, N. Y.

A man was asked if there were but one thing he could choose, what would it be? He replied, his ancestors. And probably so would baby chicks. Assuming that the baby chick's ancestors have been well chosen and that he has been hatched by nature's approved method, how shall we feed him so that he may become an ancestor worthy to be chosen?

It is quite essential that he be not chilled while wet, no matter what method of incubation has been used. After he is thoroughly dried off and rested from his struggle with his late home, he will begin to investigate the new scenes around him. When he has a desire to pick out his mother's eyes and to eat her wattles, or if he be an incubator baby and picks his own or other baby's toes, it is nature's demand for something to eat and food should be offered. Mrs. Hen has mother instinct and can be trusted to do the right thing.

Provide sand, slightly moist, for the baby chick to run on and if he desires to eat it he will help himself; baby size earcoal may also be provided, because the doctor says so. The writer cannot say if baby chicks eat it or not.

Food is now offered and consists of equal portions of hard boiled fresh eggs; put shell and all through a food chopper with dried home-baked bread. Continue egg ration for two weeks. Some pin-head oatmeal is also offered with some whole wheat and cracked or whole corn for Mrs. Hen. After the first day's feed, baby size wheat and corn are added to the rations with bread and milk, baked potato, chopped skin and all, bits of suet and cooked meat cut up fine and milk curd, if it can be procured. When the chicks begin to use the size of grain offered for Mrs. Hen eliminate the chick size of grain.

The quantity given is all they want to eat whenever they want to eat it, but care should be exercised that no food is left to ferment. Plenty of clean water and shade should be easy of access at all times.

The proportion of grains given from chick to old age is three wheat, two corn, one oats, and while the writer sometimes does feed buckwheat and scratch food to adult fowl, commercial chick feed is not given to baby chicks.

The writer's poultry will not eat mash, wet or dry, if whole sweet grains are available; whenever mash has been offered as a means of giving beef scrap, they will scratch out the scrap and waste the mash. A gizzard was designed to grind and the crop prepares the food and feeds the mill.

We believe in out-breeding, hen hatching, range raising, giving all they want to eat whenever they want to eat it of the best grains that you can buy. Don't balance your books till the end of the year and you will find that you

have made all that the Experiment Stations say you can out of "Just Chickens." Feed them according to the foregoing method and with the American breeds your cockerel broilers will be two pounds in weight at eight weeks and you cannot keep them down to Standard weight for adult fowl.

Avoid in-breeding chilling the chick while hatching, and fermented foods and the ills that chicks are heir to will be lost sight of. That is how we raise the big fellows. Try it. If you do not succeed, forget it.

### THERMO FOUNTAIN

The Arthur E. Pratt Co., Albany, N. Y., extensive dealers in flour, feed, grain and poultry supplies, join A. P. W. advertisers with this issue. This firm has recently closed a deal whereby they secure the selling agency for the United States, Cuba and Hawaiian Islands for the Thermo Fountain, a sanitary, automatic, non-freezing drinking fountain for poultry. This is a new idea in poultry fountains and from reports it is meeting with a big sale and is sure to meet the popular approval of the discriminating poultry raiser. Circulars fully describing this necessity may be had upon application to the above address by mentioning this paper when writing.

\*\*\* A dollar saved is a dollar earned. Earn a dollar by sending your order for magazines to us \*\*\*

## URBAN FARMS PINE RIDGE BUFFALO, N. Y.

Stock and eggs for sale from our prize winning strains. WHITE ROCKS, BLACK LANGSHANS, MOTTLED JAVAS, ANCONAS, BLACK TAILED WHITE JAPANESE BANTAMS. Eggs only, MILLE FLEURS, SILKIES, LA BRESSE and Tom Barron's best strain WHITE LEGHORNS and WHITE WYANDOTTES. Mating list ready Jan. 1, '15.



**"DADDY"**  
FIRST PRIZE COCK SINGLE COMB. R. I. REDS  
GREATER BUFFALO SHOW NOV. 1914  
OWNED BY A. M. LOCKWOOD  
333 DOWNING ST. BUFFALO, N. Y.

## Look at Dad!

Son of Champion Male of his breed at Chicago, 1912.

**"Mam" Won 1st Hen**  
at Kalamazoo, Mich., January, 1915  
and was the sensation in Red Row.

## Lockwood's "Red Jackets"

want to be ancestors to your Red chicks.

Cockerels and Eggs for sale by

**A. M. LOCKWOOD**

333 Downing St., BUFFALO, N. Y.

# \$7.50 for a "BUCKEYE"

Genuine

## 100% Hatch Incubator

anywhere east of the Rockies and north of Texas. A little higher in the west on account of freight rates. Not a toy nor experiment, but a genuine 60-egg scientific hatcher. Six sizes up to 600 eggs at proportionate prices. The incubator that gives you only 60% to 70% hatches is an egg waster. The "BUCKEYE" gets a chick from every hatchable egg. Nearly half a million in successful operation and sold by 1100 dealers.



**40 DAYS TRIAL**

Prove It For Yourself

## Guaranteed to Hatch Every Hatchable Egg

Makes no difference what they TELL you, 70 per cent is NOT a good hatch. You get 100 per cent with the "BUCKEYE" every time, whether you understand chickens or not.

Prove this at our risk. Try the "BUCKEYE" 40 days. If you don't get a chick from every hatchable egg, send it back at our expense. We make this un-

usual guarantee to prove that the "BUCKEYE" is in a class by itself and should not be compared with 70 per cent hatches.

**Free Book: "Making Money the Buckeye Way."** Of great value to poultry raisers. Sent free with catalog and name of dealer. Write today.

**THE BUCKEYE INCUBATOR CO., 527 Euclid Ave., Springfield, Ohio**



# THE BEGINNER'S POULTRY PLANT

PART III.

By E. B. Temple, Newark Valley, N. Y.

(Continued from page 321)

tion of a variety—if you choose one that is prominent in poultry circles you will reach a larger class of buyers than though you were to select a less popular variety. If you have a special liking for a certain colored bird you might better take them as your variety, for one is



Above is shown a photographic illustration of the Barred Rock cockerel heading first prize pen at the Chicago Coliseum Show in December. This bird was bred and exhibited by Jno. W. Yant, Canton, Ohio, who makes a specialty of this variety. In addition to the above he won among other prizes the Diamond Special for best display. We are informed that he has some choice breeding birds for sale upon which he would like to quote prices to A. P. W. readers.

much happier with birds that he likes than with some colored fowl that he does not like. Liking or not liking may mean much for the success of the plant.

### STRAIN

After you have chosen the breed and variety you still have to make selection of the "strain" that you will use in your work. You can, of course, go at the matter in a hap-hazard fashion and take what you can get, but for best results buy your foundation stock of someone who has built up a strain of birds that meets your needs. If you have found in the past that you can depend upon some poultryman to furnish you with good stock, then hold him. Now and then I will hear someone say that such and such a variety was no good because they had tried them, while others would vouch for the goodness of this same variety. Now, where was the trouble? You will find it in the "strain" and not in the variety. If you want to get eggs and

plenty of them, then get your foundation eggs or stock from some breeder who is working along this line and can give you the goods. If you want fancy show stock, then go to the man who is raising such birds for himself—he can give you what you want.

The strain has much to do with markings and general type as well as egg proclivities, and when you pay a fair price for hatching eggs you get not only so many eggs but you get a reputation back of them. You have wrapped up in these shells years of careful breeding for certain purposes. It does not pay to buy eggs indiscriminately, but one should be willing to pay the price and get the best possible foundation for his flock. This matter of strain is very important for the beginner, for nothing will dampen the enthusiasm of anyone like a poor strain of fowls. Now it does not mean that you will have to pay a "long price" in order to get the right start with a good strain, for there are hundreds of breeders, large and small, who are making fair charges, consistent with the breeding of the birds, for their hatching eggs and stock. Write some of these people and find out what you will have to pay for eggs. Get a good strain, whatever you do and you will have success in the work.

### MAGNETA POULTRY FARM

In opening the mating list of Magneta Poultry Farm, F. E. Woodard, Prop., East Longmeadow, Mass., we find the following greeting: "The steady running water wears away the hardest rock;

The scientific breeder breeds the finest stock; The persistent, constant lover carries away the handsome maid; And the man that breeds Blue Ribbon Reds is the one that gets the trade."

Then Mr. Woodard goes on to cite instances of the success of his customers in the show room and we find that the Magenta strain has been represented by winners in sixteen states during the last three years. Included in the number of shows where this strain of Reds were returned winners we find Madison Square and Boston.

For the season of 1915 nine matings have been made, six of Single Combs and three of Rose Combs.

These matings are fully described in the mating list and full information as to prices of eggs and stock is given. This list will be sent free to all A. P. W. readers who mention this paper when writing.

\*\*\* Let us supply your reading matter—look up our clubbing combinations on another page \*\*\*

**FREE POULTRY BOOK** Send a postal for the Hodgkins Reference Book on making more money from your poultry—labor and time-saving devices, feeds, remedies. Full of valuable ideas. Hodgkins Poultry Supply House 1005-15 S. Salina St. Syracuse, N.Y.

**QUICK MONEY** Growing Mushrooms. Learn things many growers never knew before, explained in new book, "Truth About Mushrooms." Add \$10 to \$70 a week to your income. Small capital starts it. Demand exceeds supply. Grow in cellars, sheds, boxes, etc. Now is best time. Profits bigger, quicker. Anyone can do it. Send for the book, it's free. Bureau of Mushroom Industry, Dept 131 1342 N. Clark St. Chicago

### Natural Hen Incubator \$3

No freight to pay. Actual hen controls everything. No lamp, no costly mistakes. Best incubator in the world. Approved by Over 600,000 Buyers. Mr. J. M. Peyp's, Braidwood, Ill., writes: "It is the best thing I ever saw for hatching chicks." Another: "I hatched 99 chicks from 112 eggs." Thousands of other similar testimonials. Agents wanted. Catalog free, with Special Introductory Offer. Natural Hen Inc. Co., Sta. 4, Dept. 25, Los Angeles, Cal.

### Don't Feed Green Food!

Do away with the bother by using **Succulenta Tablets**. They are better and cheaper and more relished by all fowl. Simply dissolve one tablet in one quart drinking water for fowl. Simple can (100 large tablets) by mail 50c. Can of 250 large tablets by mail \$1.00. **YOUR MONEY BACK IF NOT SATISFIED.** Drop postal for particulars to The Succulenta Co., P. O. Box 405-17, Newark, N. J.

### Madison Square Winners 236-242-244-266

The above are all records of pens or pullets of my large sized, large egg Rose and Single Comb Brown Leghorns. 43 prizes Madison Square Garden, 2 silver cups Philadelphia, White Wyandottes, Silver Cups. Barred Rocks, Bradley, Silver Cups. S. C. Reds, Tompkin's very fine. Eggs \$2 to \$7 per 15. \$7 to \$25 per 100. Catalogue. W. W. KULP, Box 12, Pottstown, Pa.

### 57 PRIZES AWARDED MIRIMICHI POULTRY FARM

At Brockton, Attleboro and Boston this season. S. C. R. I. Reds, White Rocks, White Wyandottes. Eggs, chicks, stock. Utility Department, eggs \$7.50 per 100, chicks, \$18.00 per 100 either variety. Mating list gives full particulars, Free if you mention this paper.

MIRIMICHI, POULTRY FARM, FOXBORO, MASS.  
W. H. SAART, Proprietor, W. H. WITHINGTON, Manager.

## English Speckled Sussex

will improve the size and table qualities of your flock. A few cockerels from imported birds at \$5.00 while they last.

W. M. PATTESON,  
Red Jacket Poultry Farm, Penn Yan, N. Y.

Choice Cockerels for sale from stock that has proven the season's most sensational winners in my customers and my own hands. Circular.

W. A. HENDRICKSON,

## LIGHT BRAHMAS

45 Houston Ave., Mattapan Sta., MILTON, MASS.

Blue ribbon winners at the country's leading Brahma Shows, Boston, Brockton Fair, Providence, where it takes quality to win.

## NEW YORK STATE MEET OF THE AMERICAN BLACK MINORCA CLUB

BY CHARLES BAUER, State Vice-President.

The annual meeting of the New York branch of the American Black Minorca Club was held at Hempstead, Long Island, November 10-14, 1914. I could eulogize on the merits of the exhibit for a considerable time and not be overstating the facts. The show was one of the finest Minorca State Shows cooped in many a year.

That every exhibitor was a fancier was evident by the quality of the stock in competition. One hundred and twenty-four birds and not a poor specimen amongst them. It took our esteemed secretary, Mr. Marcus Allen Northrup, six hours to place the awards. Everybody was happy and good fellowship prevailed.

There were many special prizes distributed. Besides the regular cash premiums the Long Island Poultry Fanciers' Association offered \$50 in cash, distributed as follows:

	cock	hen	cockerel	pullet	pen	total
1st...	\$4.00	\$4.00	\$4.00	\$4.00	\$4.00	\$20.00
2nd...	3.00	3.00	3.00	3.00	3.00	15.00
3rd...	2.00	2.00	2.00	2.00	2.00	10.00
4th...	1.00	1.00	1.00	1.00	1.00	5.00

\$50.00

I do not know who will succeed me to the office of State Vice-President for the year 1915. Permit me at this time to thank the State club members for the support that they have given me and the many expressions of good will for the services rendered. I have had many, many pleasures during my life but the loyal support as evidenced at the State meet is a pleasure that I cherish most.

There is just one more request that I wish to make and that is that you give to the next State vice-president the same support, help lighten his work and be a "booster" and not a "knocker". It is hard to build up and very easy to destroy. We have a very strong organization and its existence is made possible by co-operation. The stronger you co-operate the greater the harmony and benefit.

Every member should make an entry at the State meet, in fact, he should look forward to that event and make preparation for it. Don't carry a grudge, or harbor grievances. If during your career as exhibitor you have become dissatisfied with the treatment you received from certain shows, stand your grounds and inform the proper officials. The fact that a certain judge is to place the awards and he, to your mind, is not competent, and you in turn refuse to show under him, is a real good excuse for not exhibiting. But who suffers in this case? Not the judge or the show nor you, individually, but the whole Minorca fancy. Demand from your show organization that they place a specialist judge to place the awards. The day of all-round judges is past. There is nothing so disheartening as to have good specimens lose to a poor one because of an incompetent judge. The judge who is to pass on an exhibit should be a breeder of Minorcas and thoroughly qualified.

Exhibit at good, live shows and form a large class, it creates a strong impression with the poultry buying public while on the other hand, a small class is hardly favored with a glance. There are many members of this club who are fanciers and who have any number of exhibition specimens. It would be very gratifying to the fraternity if these members make more liberal exhibits, especially at the State meet.

Let us all try to make this year the best we have ever had. Boost the qualities of our breed whenever we can and when you get tired boosting, boost some more; it's this continuous boosting that makes the poultry world sit up and take notice.

### OCULUM BOOK

The H. I. Company, Box G, Salem, Va., manufacturers of the celebrated "Oculum", desires to send every reader a copy of new booklet fully explaining this celebrated remedy, that is used and highly recommended by many of the best poultrymen in America. Better still, send fifty cents for a trial package with full directions upon a positive guarantee will do all that is claimed for it or your money will be refunded.

### IMPROVEMENTS IN INCUBATOR DESIGN

Poultry raisers everywhere are realizing more than ever the advantages of the small-unit system of incubators, and the distinct increase in hatching percentages from all-automatic incubators. Along these lines, the well known manufacturer of incubator supplies, H. M. Sheer, of Quincy, Illinois, comes brilliantly to the front. So great has been his success with the "Sheer" Automatic Fixtures, which operate with wonderful scientific nicety and accuracy, that he has put on the market for 1915 complete ready-built Sheer incubators, equipped entirely with his own fixtures.

The result has already surpassed his expectations. His "Peerless 60" of 60-egg capacity, the first all-automatic, all-metal incubator of this size ever made, is a little marvel for hatching results. Small as it is, it is fully equipped with the world-famed Sheer Automatic Fixtures. The cost and time required in its operation are almost negligible. Sheer is also producing a 200-egg, equipped with his Sheer automatic fixtures. Another sensation is his Multidek, a new 1,000-egg machine. This is really a small-unit machine, because it is constructed in tiers, up and down, instead of lengthwise, each tier being a complete 200-egg all-automatic machine. For convenience in height, any number of tiers from 1 to 5 can be used, one above the other, each operating simultaneously with the rest, and all operating as one machine, with less trouble to operate the five tiers than with one big 1,000-egg unit. It saves 6 times the ordinary floor space of the big units, and operates at less expense. It solves the problems of the big poultry raiser. We advise every one to send for full particulars about these noteworthy improvements, addressing H. M. Sheer Co., Dept. 133, Quincy, Illinois.

**\* \* \* Reds! Reds! Reds! Our new book "The Rhode Island Reds" is the most complete and authentic treatise on this breed ever published. Send seventy-five cents and secure a copy \* \* \***

## 20 Pkts. Northern Grown Seeds 10c

**OLDS' SEEDS** are planted every full gardeners. To advertise our seeds we  
**LETTUCE**..... Good all the year round.  
**CABBAGE**..... Best early variety.  
**CARROT**..... The general favorite.  
**BEEF**..... Olds' best first early.  
**ONION**..... The best Red Wethersfield.  
**PARSNIP**..... The smoothest and best.  
**WATERMELON**..... The leading melon.  
**PARSLEY**..... Just right for seasoning.  
**MUSKMELON**..... Col. flesh Rocky Ford.  
**CUCUMBER**..... Olds' Ex. Ey. White Spine.



year by thousands of the most successful will mail the 20 packets named below for 10c.  
**PUMPKIN**..... The best for pies.  
**RADISH**..... Early, tender and crisp.  
**SPINACH**..... Olds' Long Season.  
**TOMATO**..... Olds' best extra early.  
**TURNIP**..... A favorite table variety.  
**COSMOS**..... Olds' largest flowering.  
**DIANTHUS**..... Best double pinks.  
**MIGNONETTE**..... Best and finest strain.  
**POPPY**..... Splendid double mixed.  
**ZINNIA**..... Olds' Superb Double Mixed.

**OLD'S ENLARGED CATALOG**, a 96 varieties Potatoes, Field and Garden Seeds.

page book, tells the truth about the best Easiest catalog to order from. Mailed FREE.

**L. L. OLDS SEED CO.**

**Madison, Wis. Drawer 36**

## Brood 500 Chicks In One Flock

**SAVE TIME, LABOR, FUEL AND MONEY**

Get all your chicks out early at one time and carry them safely to strong maturity.

Take your eggs to a Candee Custom Hatchery or buy baby chicks there. Then, with a coal-burning Candee Colony Brooder, raise all of them in one flock, in one house with only one heater, at a cost of a few cents a day for coal.

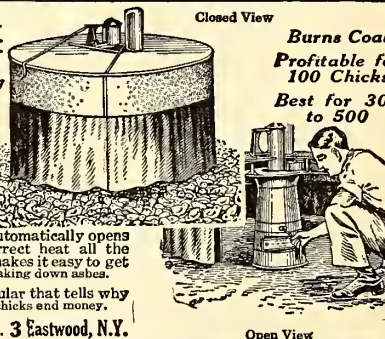
**Healthy Heat—Automatic Heat Control**

**Coal Burning—Safe—Sure**

Sealed base, cast iron heater—no worry, no danger of loss from fire. Magazine Feed keeps even fire—eliminates guesswork. Thermostat automatically opens and closes draft and holds correct heat all the time. Swinging Hover Section makes it easy to get at Heater for cleaning, coaling and shaking down ashes.

Write today for illustrated circular that tells why the Candee will save you labor, fuel, chicks and money.

**CAST IRON BROTHERS**  
 COAL BURNING—SELF REGULATING Candee Incubator & Brooder Co., Dept. 3 Eastwood, N.Y.



## THE MARK OF POULTRY QUALITY

The Tywacana Indian Head stands for the best in poultry—big, lusty birds, heavy layers, true-to-type—just the stock from which to get your

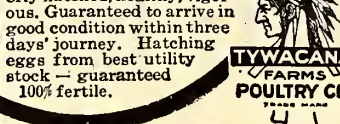
**Day-Old Chicks and Eggs for Hatching**

—Baby Chicks from selected eggs, properly hatched, healthy, vigorous. Guaranteed to arrive in good condition within three days' journey. Hatching eggs from best utility stock—guaranteed 100% fertile.

Eggs or chicks shipped in our own "Wright" boxes and sure to arrive in good condition. Write for descriptive circular. Also for catalog on Tywacana

**S. C. White Leghorns Barred and White Plymouth Rocks**

Splendid breeders and utility stock—vigorous, and great layers. Send for your free copy today. Order early.



**Tywacana Farms Poultry Co.**  
 A. E. Wright, Mgr.  
 Box 60, Farmingdale,  
 L. I., N. Y.



## THE TRAP-NEST QUESTION AGAIN

WRITER BELIEVES GREATER PROGRESS CAN BE MADE BY SELECTION. MAKES SUGGESTIONS BUT DOES NOT OFFER REMEDY

BY FRED G. WACKER, Newark, N. J.

That this question is now being debated throughout the country is due to the great craving for a big egg yield and the demand for record laying hens. This, of course, brings the hen in the limelight. The hen at present is the big puzzle in poultry raising, that is as far as egg production is concerned. Much has been said and done regarding this question, but she is yet a puzzle to the majority of us and will remain so to many. Egg production is the question of the hour, which is responsible for the prominence of the trap nest and the question: does it pay to trap nest? This question may be answered in two ways.

If you can not select the real layers without the trap nest it pays, that is, if you do your own trap nesting, without charging for the labor, as you know it is a steady job from 8 A. M. until 3 P. M. or later daily. The next few hours are spent in bookkeeping and on the records, all of which eats a large hole in the profits. Trap nesting is, however, very interesting, that is, if the caretaker takes an interest in his work, and a desire to get the best possible results.

The records must be kept correctly and the proper hen given the credit due her, and not in a matter of fact way. Then there is another thing against the work, that is the expense of the trap nest. When not made by the user, they cost from \$1.00 up, thus taking more of the profits. When summed up this is a noticeable item on the expense account, for which no interest will be forthcoming for at least a year, as no benefit will be derived from the trap nest until the end of that time. When the real layers can be selected without the trap nest, then, of course, it will not pay to trap nest.

The dry mash has brought good results in the production of eggs but reached its limit long ago. Much experimenting has been done in the past couple of years but no better results are obtained than before and the only solution is other methods. The feed dealers are still experimenting with dry mashes and will continue the lay or bust problem full force.

The best solution in sight at the present time is to select the real layers before the first egg is laid or just before you are ready to breed in order to get the full benefit of what is in the breeder, and not after she has laid for a year, which it takes to find out who is who when trap nests are used.

The selection of the real layers is easy without the trap nests, that is if you know how. There is a way to get busy to learn it. If you do this you are a year ahead of the fellow with the trap nest and will have a very heavy laying strain before he knows which ones his real layers are, and in this way, by continuing to select the breeders from your pullets, then by 1920, 300 eggs per year hens will be as common

as the 200 per year hens are now. To do this it will be absolutely necessary to continue the selection of the heaviest layers from the pullets each year.

It will take the man with the trap nest just twice as long to get the same results as the man that selects and breeds from the pullets. Think this matter over, then dig out a new method and get the real layers in their first year and not when they are yearlings. Just keep busy and think, think, think!

### POOLE'S MATING LIST

Theo. Poole, proprietor of Hiawatha Poultry Farm, Dewitt, N. Y., announces that his mating list for 1915 is ready for mailing. Mr. Poole was formerly located in Syracuse, N. Y., but an increasing demand for his stock forced him to seek larger quarters and one year ago he purchased a farm of 20 acres at Dewitt, a suburb of Syracuse, and has established a modern poultry plant. For the season of 1915 he has made four very select matings, eggs from which he is pricing from \$1.50 to \$3.50 per 15.

Mr. Poole has established a line of White Rocks that are not only heavy layers but have proven to be consistent winners, as his record at the New York State Fair, Auburn and Buffalo Shows will prove. His circular will be sent to all readers interested in this variety who will mention A. P. W. when writing.

**DON'T OVERLOOK** Whyland Columbian Rocks if you want the winning, laying, paying kind. His record at the recent New York State Fair is proof of quality. Look it up and then write your wants to  
A. A. WHYLAND, Box W, CHATHAM, N. Y.

**57 BREEDS** Fine pure bred chickens, ducks, geese and turkeys. Northern raised, hardy and very beautiful. Fowls, eggs and incubators at low prices. America's greatest poultry farm. Send for fine 100-page 21st Annual Poultry Book.  
R. F. NEUBERT CO., Box 398, MANKATO, MINN.

**THE CAPITAL BAND**  
Is adjustable—Has raised figures 12 for 15c. 25-25c. 50-40c. 100-65c.  
**CHAS. L. STILES**  
232-M N. 3rd St. COLUMBUS, OHIO

**Stop Poultry Diseases**  
Keep the henhouse thoroughly disinfected—whitewashed. Easily—at very little cost with  
**BROWN'S AUTO SPRAYS**  
Best for a thousand other purposes. 300,000 in use. 40 styles and sizes. Write at once for our Free Spraying Guide.  
E. C. BROWN CO., 848 Maple St., ROCHESTER, N. Y.

## WARSAW COOPING CO.



Manufacturers of Exhibition Poultry and Pigeon Coops of latest improved design. We make a specialty of cooping Poultry Shows, at reasonable prices. Write for particulars.

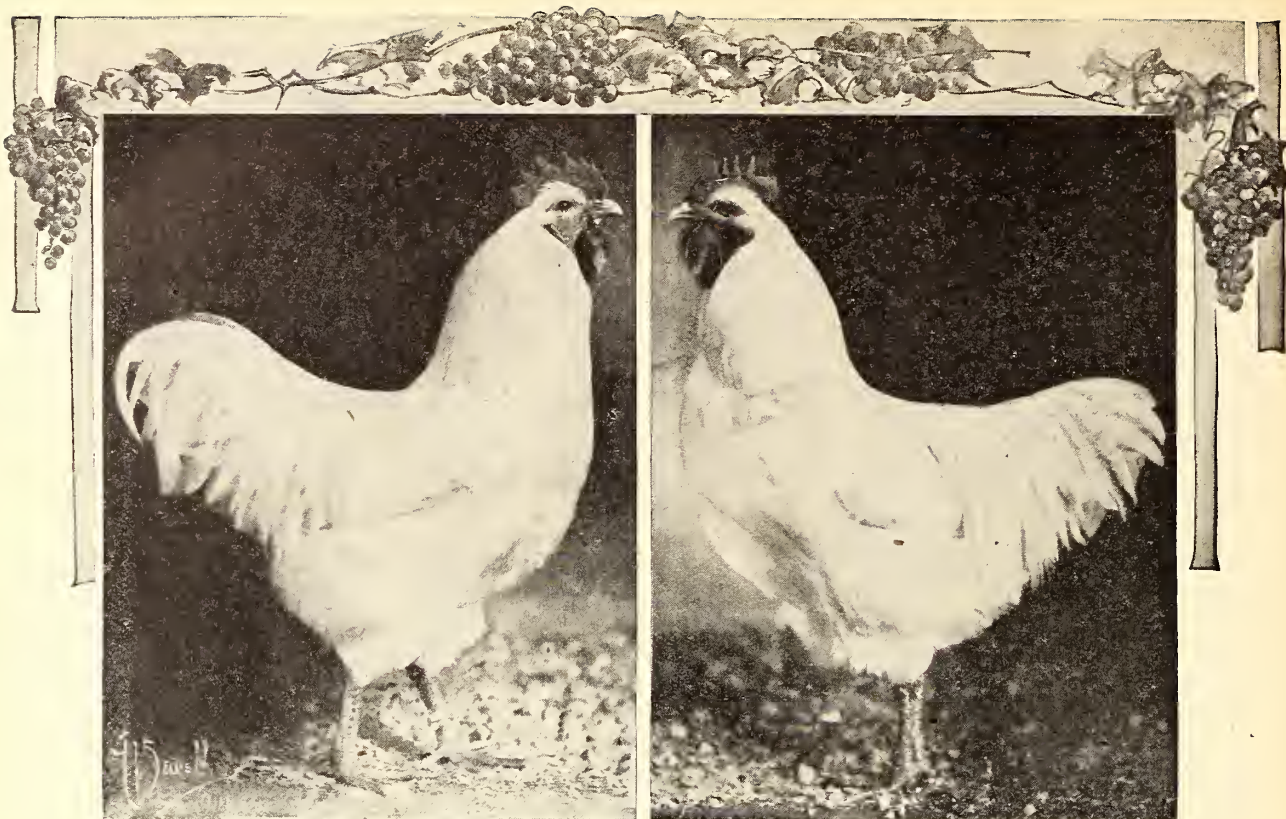
WARSAW COOPING CO., WARSAW, N. Y.

**RAISE EVERY CHICK**  
Baby Food for Baby Chicks—a complete food—75 per cent. predigested—guaranteed to raise every possible chick.

**Pratt's BABY CHICK FOOD**  
Costs one cent a chick for three weeks  
Weaklings grow strong. Prevents bowel trouble, leg weakness and disease. A trial is proof.  
14-lb. bag only \$1.00. Smaller packages as low as 25c.

**Pratt's POULTRY REGULATOR**  
Costs one cent per bird per month  
For growing and grown birds, and for baby chicks to keep up the healthy start given by Pratt's Baby Chick Food. Insures poultry health and vitality. Makes rapid growth and secures early maturity. Guaranteed to satisfy or money back.  
Try a 12-lb. pail at \$1.25. Packages 50c. and 25c.

**PRATT'S WHITE DIARRHOEA REMEDY**  
Used from the time of hatching, will save your chicks from this dreaded disease. Always refuse substitutes. Insist on Pratt's and get the protection of our money-back guaranty if not satisfied.  
For Sale by Dealers Everywhere  
**PRATT FOOD CO.**  
Philadelphia, Chicago, Toronto



A quartette of Owen Farms winners at the Grand Central Palace Show, New York in December. In commenting on these birds Artist F. L. Sewell states: I do not remember seeing in all the grand exhibits of Owen Farms, a White Plymouth Rock cockerel that promised so much in up-to-date breeding quality as this Palace champion. He has great size, purity of color, sweep of outline and graceful flow of plumage carried grandly, with intense vigor and great strength. He is one of a lifetime. This first prize White Plymouth Rock cock taken alone would appear large. When in full plumage it would take more than extraordinary quality to beat him. At the time of the Palace show few cock birds can reach full plumage. One of the largest and grandest classes in all the Palace show was the Buff Orpington. This variety of Orpingtons continues its steady increase in popularity, and there is little wonder when there is such magnificent quality as appeared at the Palace show. Owen Farms' products, ever improving, proved their superiority. Of their many winners, first and second cockerels appear above. I wish I could show them to you in their natural glowing buff color as a few seasons past we published a pair of their Buff Orpingtons true to life in color. In their superbly illustrated catalogue, which Mr. Delano sends free to patrons, will be seen pictures of their many fine winning specimens. Those truly interested should send for one. It gives some idea of the rare Owen Farms' quality.

**FEATHERED BUTTERCUPS**

BY MRS. C. COLBECK, President English Buttercup Club.

Buttercups! Who can resist the dainty little lady Buttercup with her docile bewitching ways, so alert and trim in her pretty golden frock with its clear cut bars across the back and wings, and ending with a rich black tail, her clear breast of a lighter shade. But it is not just beauty alone that appeals to us Buttercup worshippers, for this wonderful little hen can turn out more eggs than any other breed I know, and large white ones, too, that will meet with the appreciation of the keenest housewife. Another asset which, in this war time is a great consideration, when food stuff is at a premium, is that Buttercups are such small eaters. They are always out foraging for themselves. Wind, snow, or rain seems to trouble these hardy little creatures very little. My Buttercups are always the first birds out in a morning, and will stay scratching about after tea as long as there is any light left, as if afraid they should miss something. These little busybodies! Now the cock is quite a splendid man in his rich red suit; with lovely beetle green tail, his head crowned with a perfect cup comb, and legs of willow green, is indeed a proud person and equally energetic as the Queen Buttercups, scratching about for food for himself and the hens. I have found the show hens to be simple egg machines; even when kept up in the pen room. Of course people say what are we to do with the surplus cockerels. Well, their bones are so small that when dressed for table it is surprising what a lot of firm, plump flesh there is to be found on them, and again it is of such a fine texture. Buttercups mature very quickly, pullets laying at five or six months. Of course we have all read the accounts of how this little bird, sacred to the peasants of Sicily, was smuggled off to America, where it has been carefully mated to produce the perfect specimens we have been able to import from that country.

**HOW WILL YOUR SPRING HATCHES TURN OUT?**

The hatching season is close at hand. In his talks to the farmers and poultrymen through the agricultural press, Dr. Gilbert Hess is asking the vital question: "What Are You Doing to Get Fertile Eggs for Hatching?"

Dr. Hess lays down the simple truth that unless you condition your poultry before the hatching season commences, the percentage of fertile eggs is bound to be low and the chicks that are hatched will invariably be weak and sickly.

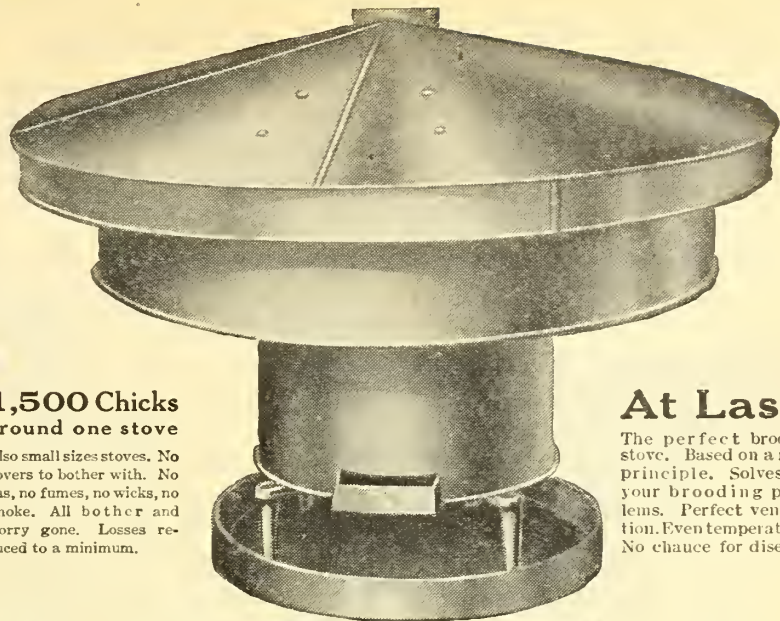
Poultry need a tonic at this time of the year. They need conditioning after the long winter cooping up. And who is better able to prescribe the tonic than Dr. Hess, himself a veterinarian, a doctor of medicine and a successful poultry raiser?

That he has done so successfully is evidenced by the fact that Dr. Hess Poultry Pan-a-ce-a has stood before the public for over twenty-three years and is today used by an army of poultry raisers.

This scientific preparation is guaranteed by the doctor to put your poultry in a vigorous, healthy condition (the best assurance of high egg fertility), to help hens lay, prevent baby chicks' ailments, like leg weakness, diarrhoea, gapes, etc., and help the hatch to mature rapidly.

Dr. Hess positively guarantees that money will be refunded to anyone who feels that his Pan-a-ce-a has not paid him and paid him well. Dr. Hess Poultry Pan-a-ce-a can be bought in practically every town and crossroad in the country.

\*\*\* Twenty-five cents will secure for you a copy of "Reliable Poultry Remedies." Tells you symptoms of diseases and how to treat sick fowls \*\*\*



**1,500 Chicks around one stove**

Also small sizes stoves. No hovers to bother with. No gas, no fumes, no wicks, no smoke. All bother and worry gone. Losses reduced to a minimum.

**At Last!**

The perfect brooder stove. Based on a new principle. Solves all your brooding problems. Perfect ventilation. Even temperature. No chance for disease.

# Brood Your Chicks 30 Days Free

Here, at last, is the perfect brooder stove! A wonderful, new invention. The Simplex Brooder Stove solves all brooding your problems. Use this wonderful new stove in your own brooder house 30 days absolutely free. Give the Simplex a thorough trial before you decide on your brooding system for next year. Try the stove under all conditions. Make any test you know of. Then at the end of 30 days, if you are not delighted send it back and we'll cheerfully refund your money. You alone are the judge. Send coupon for catalog.

## Simplex Brooder Stove

Send the coupon below today for free catalog. This stove works on a new principle, costs only 1-5 as much and means 1 to the work, 1-4 the operating expense of ordinary brooder systems. *One stove successfully broods 1,500 chicks.* Also small sizes. Self-regulating—holds an even temperature. Does away with all fuss and bother—eliminates all worry. Don't delay. Send the coupon, today, for free catalog and full particulars.

### Turns Chick Losses To Profits

This wonderful new brooder will raise 20 to 50 per cent more of your chicks than you have been able to raise by old-fashioned methods. No more deaths from white diarrhoea and poor ventilation. It turns the losses from dead chicks into big profits for you. The Simplex soon pays for itself by extra money it makes. This wonderful new stove will double your poultry profits in a year—and it costs only one-fifth as much as other brooding systems. Send the coupon today.

### Saves Labor and Expense

The Simplex Brooder Stove means one-tenth as much work—costs one-fourth as much to operate as any other system. Does away with all fuss and bother. Simply constructed—easily installed and cared for. It is self-regulating—needs no watching—eliminates all worry. Try it for 30 days free.

## Free Brooder Book Send the Coupon Today!

Send the coupon today for valuable book that tells how to "Increase Your Profits by Decreasing Mortality"—absolutely free. It tells how to solve all your brooding problems.

How to save the chicks that you have been content to lose every year through disease and faulty brooding—how to make twice as much money from your poultry. Tells how to eliminate all the work and worry of raising large broods of chicks. Complete instructions on the scientific building of a brooder house. Reliable information about fuel. Also catalogue and complete details of the wonderful Simplex Brooder Stove and our 30-day free trial offer. This valuable book absolutely free. You assume no obligations whatever. Read this book before you decide on next year's brooding system. Send the coupon today.

Simplex Brooder Stove Co. 3823 Fourth St. Grand Rapids, Mich.

Gentlemen: Please send me, absolutely free, your valuable Brooder Book and catalogue. It is understood that I assume no obligations whatever. Also particulars of your 30-day free trial offer.

Name .....

Address .....

**Simplex Brooder Stove Co.**  
3823 Fourth St., Grand Rapids, Mich.

## NATIONAL CONTEST REPORT FOR JANUARY

**AMERICAN AND ENGLISH WHITE LEGHORNS TIE FOR THE HONORS THUS FAR. IT IS GREATLY TO THE INTEREST OF EVERY BREEDER OF POULTRY TO HATCH AT LEAST A FEW EARLY CHICKS**

By V. O. HOBBS, Secy., American School Poultry Husbandry, Mountain Grove, Mo.

Then, too, the test of a hen's efficiency is her ability to lay winter eggs. The winter egg period embraces the months of December, January and February.



The second prize S. C. White Leghorn cockerel Greater Buffalo Poultry Show, November, 1914, now heading one of the breeding pens at Eagle Bay Farm, Silver Creek, N. Y. This farm makes a specialty of quality S. C. White Leghorns that are bred to win and lay. They are fully described in their mating list which will be sent on application to all A. P. W. readers.

Sometimes a hen that may have the winter laying characteristics does not lay enough eggs during these months to indicate that she can be classed as a winter producer, even in her pullet year. One factor that controls egg production is the season that a bird is hatched. The early hatched stock will often be brought to maturity in the early part of the fall and moult during the months of December and January, so it is easily seen that the time of hatching has a big influence on egg production. Many of our birds this year have loafed on the job during the last month on account of moult. This has prevented them from giving as good account of themselves as they might have done. Many more were im-


mature and lost time for this reason. There is no question that is asked more times by a prospective keeper of poultry than "What breed shall I carry?" The answer we generally give him is that it depends whether he wants fowls for back yard or the farm, or wishes to go into the specialty business to produce eggs for the market. The next thing our inquirer wants to know is, "Which breed has the best layers?" We tell him that depends upon what the fowl has inherited, as good laying is not confined to any one breed. It is a scientific fact that you cannot develop that which an animal or fowl does not inherit. You cannot give enough feed to a hen that has not inherited the egg laying characteristic to make her produce eggs. For example, there is one hen that has been in the National Contest for two years that has never produced an egg.

Some hens lay during the winter months, some do not. Some will put fat on their bodies, others put their feed into eggs. There is one pen at the Missouri Station, selected on account of poor

laying points, thick pelvic bones and narrow behind. These hens are given the same feed that a check pen is fed,

### Bean's Columbian Rocks Win

I can furnish your requirements in exhibition birds, breeding stock or eggs at prices that will astonish you. Write for descriptive circular. F. G. BEAN, COLLEGEVILLE, PENNA.



**America's  
Pioneer  
Dog Remedies**

BOOK ON  
**DOG DISEASES**  
And How to Feed

Mailed free to any address by the Author


H. CLAY GLOVER, V. S.  
118 West 31st Street, New York

**A MILLION HENS USE  
WELLCOME'S FAMOUS  
TRAP  
NEST**

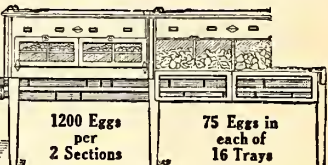


Shows Which Hen Laid The Egg.  
New Principle 100 Per Cent. Efficient

F. O. Wellcome, Box W, Yarmouth, Me.  
Write NOW for prices and proof.



1200 Eggs  
per  
2 Sections



75 Eggs in  
each of  
16 Trays

**Write Today For 140-Page FREE Catalog**  
Explains the features of double regulation-double safety, and the valuable sectional construction. Tells why all the leading experiment stations and state colleges of the country use the CANDEE. Explains the possibilities of the big profits in baby chicks and custom hatching.

**CANDEE  
INCUBATORS**

Candee Incubator  
& Brooder Co.  
Dept. 15  
Eastwood, N. Y.

<b>GOOD STOCK</b>	<b>TEMPLER'S POULTRY PLANT</b>	<b>RIGHT PRICES</b>
	S. C. White Orpingtons      Columbian Wyandottes White Wyandottes              Buff Wyandottes	

Orders will now be taken for hatching eggs for the coming season. If you want eggs for some special time write me and let me book them for you—you need send no money at time of booking. Let me quote you prices on stock of above breeds—let live prices.

Hatching eggs,	\$2.50 per 15	\$4.00 per 30	\$6.00 per 50
Templer's record and account book	-	-	\$0.60
Special Letter on Poultry Work	-	-	\$0.50
Templer's Formulas of Feeding	-	-	\$0.25
Home Made Food Hopper Plans	-	-	\$0.25

Rev. E. B. Templer,
Box D,
Valley Falls, N. Y.

## FERTILE EGGS AND A BIG, LIVELY HATCH

Pratt's

OF PHILADELPHIA

Before you set a hen or start your incubator this spring, build up your breeding stock. You will save time and money. Make sure that they will give you fertile, sure-to-hatch eggs by giving them

### POULTRY REGULATOR



No matter what breed you raise—the better the birds the more Pratt's Poultry Regulator will do for them. Sold under our money-back guaranty that it will help your poultry. Go to the nearest dealer in Pratt's Poultry Regulator and Remedies—there are 40,000 of them, or write us.

PRATT FOOD CO.
Philadelphia
Chicago
Toronto

Pratt's Powdered Lice Killer. Sure death to lice on poultry and in nests or litter. Non-poisonous. 50c. and 25c.

Pratt's Poultry Disinfectant. A liquid lice killer, germicide and deodorizer. \$1.00 a gallon, 35c. a quart.

which is selected for layers, thin pelvic bones and lots of capacity. The hens of poor laying make-up are putting their feed into fat, the latter are using the feed to produce eggs. The ones selected for egg production from external appear-

contest on pen record. In fact, the dual purpose breeds have the lead over the Mediterranean breeds for the month of January.

In the southern country there are no better months in the year to hatch in-

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



The above illustration shows a one day shipment of eggs for hatching from the yards of J. W. Parks, Altoona, Pa., breeder of heavy laying Barred Plymouth Rocks. After having tried various methods of shipment Mr. Parks believes the basket method the safest. Although more expensive he says that he finds it presents a better opportunity for packing eggs to resist the jars and vibrations they are subjected to in transit, therefore, insuring arrival in customers hands in better condition with the result that a better hatch is secured.

ances alone are far in advance of those selected in the same way as non-layers.

The dairy man gives an essential point of a good producing dairy cow that she must have a large capacity to consume a great amount of feed. It is natural to give this as an essential point of a good hen. She must have capacity to use her feed by converting it into eggs.

The records for the past year indicate that some hens have a tendency to consume a great amount of feed but little capacity to convert it into eggs. Those hens which do not have this capacity in these days of high prices are a big drain upon the revenues of the keeper and it must inevitably turn the attention of every breeder of the country to the importance of breeding hens that have a feed-converting power.

The Wyandottes are giving further evidence this month, that they have the winter laying capacity, and have led the

**"Slades" Imperial Pekin, and Fawn and White Indian Runner Ducks**

Young and old stock. Show birds a specialty. Prices right, satisfaction guaranteed.

JOHN SLADE, MALVERN, PA

**EGGS, CHICKS and DUCKLINGS TIFFANY'S SUPERIOR MAMMOTH PEKIN DUCKS**

CHAMPIONS AMERICA 1914-1915  
Champions at Allentown, Trenton, Hagerstown Fair, Williamsport, Patter-  
son, Somerville, Buffalo, Palace Show, Philadelphia 1914 and Boston 1915.  
**GIANT ROUEN DUCKS**—Winners at above named shows except Philadel-  
phia. **SILVER LACED WYANDOTTES**—Winners Williamsport and Phil-  
adelphia Shows, 1914. Send for Catalogue.

F. A. TIFFANY, R. 31, PHOENIXVILLE, PA

**RAVEN BLACK STRAIN, S. C. BLACK MINORCAS AGAIN WIN STATE CHAMPIONSHIP.**

At the South Bend Show, January 19th, Raven Blacks were awarded the State Championship by the Black Minorca Club.

*SOME FINE COCKERELS FOR SALE.*  
**JAMES S. KEATING, Successor to F. C. Gabriel. R. R. 2, MISAWAKA, IND.**

**Express Prepaid. FREE catalogue and hints on spraying.**  
**A SPRAYER \$3.50**  
**THE COMET**  
Sells on sight. Sprays from bucket or barrel 50 feet. Double acting. You want it for your Poultry house, vines, and plants. All brass are best. We want agents. Write today.  
H. B. RUSLER MFG. CO., Johnstown Ohio



**FOR SALE**  
**WHITE FAVEROLLES**  
**THE GREATEST MEAT AND EGG FOWLS OF EUROPE**  
Altho comparatively new to this country, Favorolles are bound to become the best *all purpose* bird. Quick growers—easy keepers—quickly conditioned. Juicy, toothsome broilers and roasters. Unbeaten by any all purpose fowl for all year round egg record.  
Unique shape and featherings make them distinctive from all other breeds.  
**ROCKLAND STRAIN**  
The birds of our Rockland Strain originally came from the best European strains procurable.  
Every one of our birds are now American raised, and perfectly acclimated, with sturdy constitutions.  
**WINNINGS**  
Our White Faverolles have never been defeated in any show by American raised birds.  
Four blues at both Madison Square and Boston.  
**SEND FOR MATING LIST**  
Not an egg did we sell in 1913-14. But we now have a limited supply of eggs and young stock for sale. If you want some of either, better get your order in early.  
**Dictograph Poultry Farm**  
K.M. TURNER, Owner.  
West Nyack N.Y.

**Pratts' BABY CHICK FOOD**  
A baby food for baby chicks. The wonder of experienced poultrymen, the salvation of beginners. Has saved millions of baby chicks. Carries them safely through the first three weeks, and insures rapid, healthy growth.  
If your dealer is not one of the 40,000 who handle Pratts, write us for prices and Baby Chick booklet.  
**PRATT FOOD CO. Philadelphia, Chicago and Toronto**  
**ONE CENT PER CHICK FOR THREE WEEKS**

cubator chicks than the months of February and March. They can be matured in time to catch the early egg market and the males can be culled for the broiler market. It is more difficult to start the work in the northern portion of the United States at such an early date, but even if hatched later the advantages in climate help to counterbalance the earliness of the early southern hatched chickens.

The big prices of grain need not deter you from making big preparations to rear a good flock of layers for the next winter's work.

Another big advantage of the early hatch is that you can get some birds ready for the big World's Fair Show which will be held at San Francisco. It will pay you to bring off some with this in view. There never has been offered such an opportunity for the breeders as they will have to show to the tremendous crowds that will see this big event.

Several pens of the foreign birds are being held over another year and trapped. One pen from England and several of the pens from Australia and New Zealand are laying many more eggs than they did last year. If they can continue to do as well as they are at present, their second year will be far in advance of the first.

The ten highest pens for the three months are as follows:

Pen 1	S. C. W. Leghorns, Penna.	148	eggs
Pen 21	S. C. W. Leghorns, England	148	eggs
Pen 52	Buff Orpingtons, Pennsylvania	146	eggs
Pen 75	R. I. Whites, Illinois	140	eggs
Pen 43	White Orpingtons, Wisconsin	138	eggs
Pen 57	White Wyandottes, England	129	eggs
Pen 61	Silver Wyandottes, Iowa	126	eggs
Pen 19	S. C. White Leghorns, England	125	eggs
Pen 3	S. C. White Leghorns, Penna.	124	eggs
Pen 67	Barred Plymouth Rocks, Illinois	111	eggs

The ten highest pens for January are as follows:

Pen 61	Silver Wyandottes, Iowa	77	eggs
Pen 75	R. I. Whites, Illinois	75	eggs
Pen 43	White Orpingtons, Wisconsin	72	eggs
Pen 78	R. C. Reds, Arkansas	60	eggs
Pen 50	Silver Penciled Wyandottes, Iowa	59	eggs
Pen 32	White Orpingtons, Illinois	58	eggs
Pen 77	R. C. Reds, Ohio	56	eggs
Pen 5	S. C. Leghorns, Illinois	55	eggs
Pen 15	S. C. W. Leghorns, Missouri	54	eggs
Pen 63	Barred Plymouth Rocks, Iowa	54	eggs

**QUEEN INCUBATORS GROW IN POPULARITY**

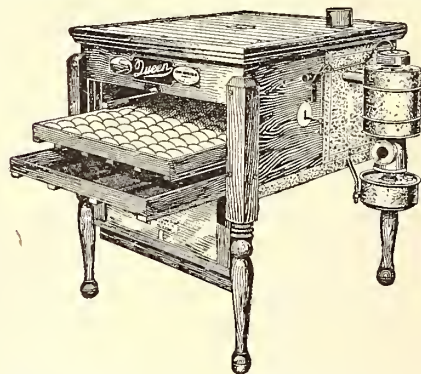
When we look back over a period of ten years, and call to mind the gradual and substantial growth of the Queen Incubator Company, of Lincoln, Nebr., it is very interesting to note the wonderful volume of business enjoyed by that company today.

Mr. P. M. Wickstrum, president of the company, has always contended that advertising was the first essential to success in any business, and that satisfied customers being the best form of advertising, he has made it his one aim to give to his customers the very best that the price could pay for.

Every incubator or brooder sold by that company is just as represented and every purchaser of a Queen, is a living, talking advertisement. Consequently, the Queen Incubator Company does not have to spend enormous sums of money, annually, advertising for new customers.

This condition is responsible for the low prices, which the Queen Incubator Company is quot-

ing on such a remarkably high grade machine, as we find the Queen to be. Every stick of timber and every piece of metal used in the Queen incubators and brooders is of A No. 1 grade, in every particular.



None but the best skilled and experienced workmen are employed and every machine represents the most perfect piece of mechanical construction.

The large per cent. hatches obtained from Queen incubators, in the hands of the most inexperienced parties, is evidence sufficient to convince anyone that the Queen is built right, runs right, and hatches every egg which contains a germ strong enough to grow into a chick.

The large illustrated catalog, which will be sent you free for the asking, will tell you everything you want to know about Queen incubators and brooders, and all kinds of poultry supplies. Just address Queen Incubator Co., 106 Bryan Ave., Lincoln, Nebr.

**HENDRICKSEN'S LIGHT BRAHMAS**

Attention is directed to the announcement of W. A. Hendricksen, Mattapan Sta., Milton, Mass., elsewhere in this issue. Mr. Hendricksen is a breeder of high class Light Brahmas and we are glad to note that this old favorite is again claiming popular favor, as evidenced by the fine classes seen at our leading shows. They are excellent for those looking for a general purpose fowl and their well known winter laying qualities has made them old time favorites with those who have catered to the winter egg supply. While Mr. Hendricksen is new to these columns he is, nevertheless, an old time breeder of this variety and in his strain he has preserved the old time qualities that made the Light Brahmas the most popular fowl in New England in years gone by. He will be pleased to hear from all A. P. W. readers and will be glad to have this paper mentioned when writing.

**WHITE PLYMOUTH ROCKS EXCLUSIVELY**

Highest grade utility stock, finest exhibition stock. Cockerels for sale \$3.00 and up. Eggs from very fine pens \$1.50, \$2.50 and \$3.50 per 15. Baby chicks in season. Send for mating list, THEO. L. POOLE. Box F, DEWITT, N. Y.

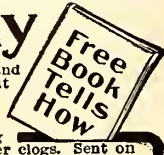


**Make Your Hens Lay**

You can double your egg yield by feeding fresh-cut, raw bone. It contains over four times as much egg-making material as grain and takes the place of bugs and worms in fowls' diet. That's why it gives more eggs—greater fertility, stronger chicks, larger fowls.

**MANN'S LATEST BONE CUTTER**

MODEL cuts easily and rapidly all large and small bones with adhering meat and gristle. Automatically adapts to your strength. Never clogs. Sent on 10 Days' Free Trial. No money down. Send for our free books today. F. W. MANN CO. Box 355 MILFORD, MASS.



"Watch The Sunlight Glisten On Those Crimson Backs"

**S. C. --- NEW YORK STATE CHAMPIONSHIP --- R. I. REDS**

"Do it with the Crimson Strain". Send for mating list. Eggs:—Utility \$1.00 per setting, Fancy \$2.00 up.

CHINA HANCHETT,

P. O. Verona,

GREENWAY, N. Y.

**Wisconsin Wins In Big Hatching Contests Every Year**

**130 Egg Incubator**

**130 Chick Brooder**

**BOTH For \$10 Freight Paid East of Rockies**

**1910**  
Mrs. J. McMahon, Veedersburg, Ind., in 1910 won in Missouri Valley Farmer Hatching contest, hatching 125 chicks from 126 eggs.

**1911**  
Mr. C. B. Armitage, Atwater, Ohio, in 1911 won in Successful Farming contest, setting 181 chicks from 181 eggs in two hatches.

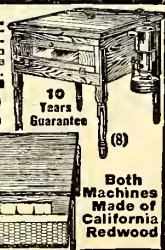
**1912**  
Mrs. J. W. Mize Vaughns Hill, Ky., in 1912 won in Successful Farming contest getting 208 chicks from 209 eggs in two settings.

**1913**  
Mrs. F. H. Lewis, Montrose, Pa., in 1913 won in Successful Farming contest setting 96 chicks from 96 eggs in one setting.

**1914**  
Mr. C. C. Rich, Russiaville, Ind., won in 1914 Successful Farming Hatching contest getting 94 chicks from 94 eggs—the first hatch ever made with incubator.

**Think of It! You Can Have a Pair of These Famous Prize Winners for Only \$10—Freight Paid East of the Rockies or 180 Egg Incubator Chick Brooder Both \$12**

Wisconsins have hot water heat, double walls, dead air space between, double glass doors, copper tanks and boilers, self-regulating, Nursery under tray. Incubator and Brooder shipped complete with thermometers, lamps, egg testers, all set up, ready to use when you get them. Incubators finished in their natural color showing the high grade California Redwood lumber we use—not painted to cover up cheap material. If you will send for our catalog we will gladly send you a sample of the material, then you can compare it with the kind others use. Be sure to find out what material an incubator is made of before you buy. If you will do this we know you will order a Wisconsin. Machines shipped on 30 days trial. Money back if not satisfied. Wisconsin Incubator Co., Box 62, Racine, Wis.



## NEW JERSEY'S POULTRY SHORT COURSE

POPULARITY OF COURSE PROVEN BY INCREASING ENROLLMENT EACH SUCCEEDING YEAR. METHODS OF INSTRUCTION

The Short Course in Poultry Husbandry at the New Jersey State Agricultural College at New Brunswick, was started in the year, 1911-1912. The present class is the fourth to graduate and the largest in the history of the work. A consistent effort has been made in the past to keep the number down to a limit which could be efficiently handled with the equipment available. The students are representative of many sections of the United States and some from foreign countries. The majority are from New Jersey, many being farm boys who come for a few weeks in the winter to gain a greater knowledge of methods pertaining to poultry farm management. The course usually begins about the middle of November and continues for twelve weeks.

### METHODS OF INSTRUCTION

In planning the work of the Poultry Short Course, every effort has been made to make it as practical as possible. This is one reason for its increasing popularity. Each morning during the course is devoted to lectures covering all phases of poultry work. These lectures are supplemented by outside reading in periodicals, journals and poultry books. The most modern poultry text books are used to coordinate the lectures. The afternoon periods are devoted largely to laboratory exercises. These are designed especially to supplement the lectures, the students performing all operations discussed in the class room.

One feature of the course is the large amount of time devoted to practice work. Every morning, noon and night the students have to perform regular chore work. This includes the entire care of a flock of laying birds during the length of the course, the complete care and operation of an incubator and a brooder, the care of a fattening crate, and complete records of all practice work.

Trips are made every other week to successful poultry farms in the state, usually five such trips being planned. The students score the plant from the standpoint of its efficiency and they get acquainted with the methods which are in use. Complete notes are taken from conversation with the owner.

The students have a poultry organization known as the Rutgers College Poultry Association, composed of the student division and the alumni division. The student division holds a meeting each week which is devoted to parliamentary drill and at which times they hear lectures from successful poultrymen. This organization also runs a student poultry show. The alumni division keeps in touch with the Experiment Station by a monthly letter and usually comes back to the institution once a year at the time of the alumni banquet.

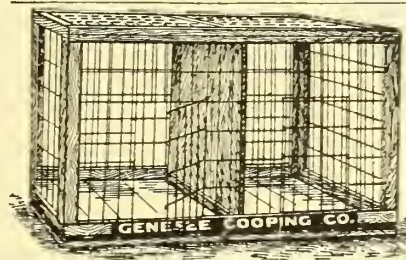
The equipment for this Short Course instruction includes a poultry plant, covering approximately eight acres and containing a great many types of houses and equipment. Fifteen hundred laying hens are used in the work, representing some twenty of the more

common breeds of poultry. Individual and mammoth incubators are used and a great many types of brooders are available. A special poultry building is used in which are located lecture rooms and laboratories. Three special poultry instructors have charge of the work besides five additional instructors who teach allied subjects. This equipment makes possible complete and detailed efforts.

The present class completes its work February 17th. The majority go to their own farms which they have left long enough to pursue the course or which they plan to purchase soon after completing same. About ten young men in this class are available for positions, such as assistants or poultrymen on farms. The salaries vary with experience of the men and the size of the plant to be operated. Any information pertaining to the nature of the work, the cost or other data will be supplied by addressing the Poultry Department, College Farm, New Brunswick, N. J.

### Hodgson Portable Houses for poultry, cottages and garages.

E. F. HODGSON COMPANY  
Room 320, 116 Washington St., Boston, Massachusetts

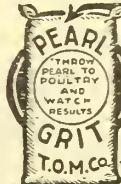


## America's Best Cochin Bantams

The prominent winning strain. Many bargains in old and young birds that will win this fall and winter.

### WAHEBE BANTAM YARDS

Box 13-R, Evanston Sta., Cincinnati, Ohio



**MONEY IN THE BAG**  
 Pearl Grit is an extra egg producer. Extra eggs increase egg money. The extra money more than pays for Pearl Grit. Users say so, and keep a supply on hand. The reason is, IT PAYS. We want you to write us today for detailed information. Booklet free.  
**OHIO MARBLE COMPANY**  
 14 S. Cleveland St., Lima, Ohio

## PILLING *Easy to use* CAPON TOOLS



**ROOSTER 5 lbs.**  
**CAPON 10 lbs.**

**MORE THAN DOUBLE YOUR COCKER! PROFITS**  
 Capons grow twice as large on the same amount of feed and bring twice the price per pound.  
 Complete set of reliable, practical, easy-to-use Capon Tools . . . **\$2.50**  
 —full, illustrated instructions included. Parcel Post prepaid.  
**G. P. PILLING & SON CO., Phila., Pa.**  
 Send for FREE Capon Book

## ATTENTION! SHOW SECRETARIES

Write for illustration showing Genesee System of all metal sanitary cooping. Good second hand coops for sale. Cooping shows on rental our specialty.

### GENESEE COOPING COMPANY

Geo. W. Webb, Mgr., ROCHESTER, N. Y.

## Is Your Hatch Worth 25 cts.?

That's the price of a can of Dr. Hess Instant Louse Killer—the one safe, sure preventive and cure against lice. Mark you—you can't raise baby chicks where there's lice around, and one infected chick will spread lice among the whole hatch.

Dr. Hess Instant Louse Killer kills lice on poultry and farm stock

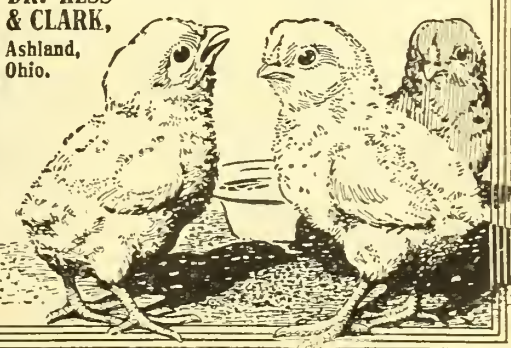
—also bugs on cucumber, squash and melon vines, cabbage worms, slugs on rose bushes, etc.

### Dr. Hess INSTANT LOUSE KILLER

is sold in sifting top cans. 1 lb. 25c; 3 lbs. 60c (except in Canada and the far West). If not at your dealer's, write us. *Your money back if it does not do as Dr. Hess claims here.*



DR. HESS & CLARK, Ashland, Ohio.

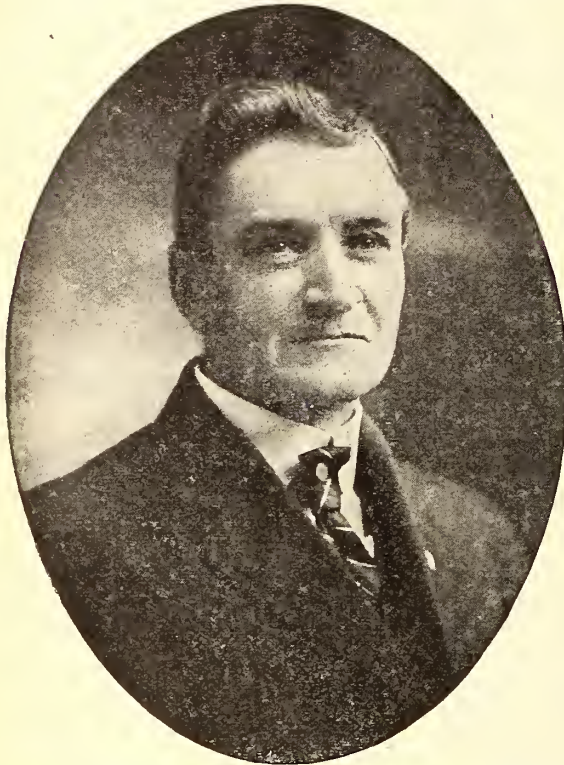


**THE INNOCENT EGG TESTER**

By W. A. Wolford

(Continued from page 335)

There is little doubt but that the ordinary tester, the kind commonly supplied by incubator manufacturers with their machines, is responsible in a consider-



Frank C. Cole, Van Wert, Ohio, one of the leading poultrymen of the "Buckeye" State, and a prominent breeder of Buff Plymouth Rocks. Mr. Cole made a fine record on his favorites at the Coliseum, Chicago Show in December and will be pleased to hear from any reader interested in quality Buff Rocks. He is also State Vice President of the American Buff Plymouth Rock Club.

able degree for poor results in many instances, especially with the amateur user. The trouble with these testers is that they become intensely hot and the operator unconsciously holds the egg before the light too long with the result that the heat damages the germ. The amateur is open to another criticism in using the tester and that is in inviting friends and neighbors to witness the operation, with the result that many eggs are roughly handled and held before the light for long periods; each of several friends desiring to see just how a certain germ looks. This and many other practices of the amateur in testing is detrimental to the hatch, which, if not up to expectation, is charged up to a fault of the incubator.

There are many faults that might be enumerated and charged against common methods of testing eggs where artificial light is used, but why go into detail and enumerate all when the remedy for all these faults is available to each and every one of us and that is sunlight, Nature's provision. To test eggs, first of all, we must have a dark room, this is necessary whether we use natural or artificial light. With artificial light we can wait for darkness to provide the correct conditions but few of us do that, we either provide a dark room for the purpose, or we darken the incubator room.

This is easy of accomplishment by making shutters of building or tarred paper to fit over the windows.

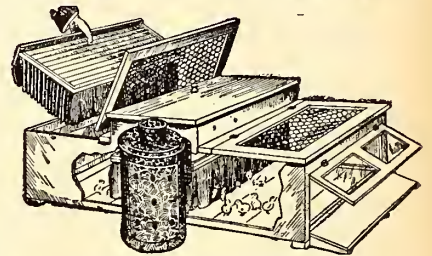
With the windows darkened it is only necessary to cut a small hole in one of the shutters on the sunny side of the building and one of the best egg testers ever invented is ready. It provides a soft light that penetrates the egg with enough efficiency to make the germ clearly visible; and after a few trials the amateur can test the eggs as rapidly and thoroughly as with the best tester manufactured.

As before stated the question of damage from highly concentrated rays of artificial light is a debatable one and one that gives a good opportunity for some of our investigators to take up and thoroughly determine by careful experiments. Until such information is forthcoming why take any chances when sunlight is available? We are reasonably certain that it does not effect the germ or hatchability of the egg in any way. In support of this we have the example of the hen that steals her nest which, as often happens to be the case, is not shielded from the light but is exposed daily until she has completed laying her clutch of eggs and is attacked by the broody fever, yet she invariably brings forth a good hatch, a much better one than is often the case where man interferes.

There will always be those of an inventive mind who will design and develop various high-powered egg testers. The high-powered part makes a good talking point, especially if the tester is a commercial proposition. My advice is to leave these contrivances alone, why spend your good money for such things when

For High Quality **BARRED ROCKS** at Moderate Prices  
My birds will be mated January 1st and after January 10th I will have eggs for hatching.  
Write C. H. BOSCHEN, ASHLAND, VA.

Here is the **Chick Saver**



The "BUCKEYE"

**KANT KROWD KLOSE KONTACT**

Brooders and Hovers

Most wonderful artificial mother ever invented. Over-crowding, over-heating and suffocation absolutely impossible.

The only hot water brooders and portable hovers that have been approved by the National Board of Insurance Underwriters.

You can raise chicks in zero weather with the "BUCKEYE" Kant Krowd, Klose Contact Brooder. Every chick kept warm and cozy without crowding.

**Save the 40% That Usually Die**

Get full profit from your incubator by raising every chick! Steady, uniform heat with perfect ventilation. No foul odors. Klose Contact for every chick—Nature's way. The "BUCKEYE" Kant Krowd Klose Contact pays for itself in a short while by the chicks it saves from death.

You have only to see these brooders in order to realize their wonderful possibilities.

Write for our catalog of "BUCKEYE" Incubators and Brooders, also name of nearest dealer. Do this today.

**The Buckeye Incubator Company**  
527 Euclid Ave., Springfield, Ohio

**16 Hens Bring \$2,300.00**

**T**HAT'S what Director Quisenberry does at the Missouri Experiment Station farm. He will prepare you to handle poultry for real profits. No flub dub; no fads; intelligent common sense training. With this training you can harvest a dollar crop every day in the year regardless of the weather.

**\$1.00 Will Start You Toward Success "The Quisenberry Way"**



No matter where you live, you can begin now to prepare for money making in the poultry business. Director Quisenberry and other noted poultrymen give you at first hand the facts about their methods. Begin now at our low introductory rates, \$1 down. The American School of Poultry Husbandry is the only exclusive poultry

school in the world. Endorsed by the poultry press and by hundreds of students in 45 States, Canada and foreign countries. Write for big illustrated book about Quisenberry's methods. It is free. Write today.



**The American School of Poultry Husbandry, Box A 56 Mountain Grove, Mo.**  
If You Are Not Satisfied You Get Your Money Back



you have nature's tester at your disposal by using your own ingenuity in making use of it? A child can darken a room by covering up the openings that admit light. You can darken your incubator cellar in any one of a dozen ways so that it will answer your purpose. If you will investigate you will find that the sunlight tester is growing in favor daily, and I dare say, the majority of up-to-date plants use it almost exclusively.

**NEW BOOKLET ON CHICK RAISING**

An interesting and valuable 16-page booklet just received is entitled "Cyphers Coal-Burning Colony Hoyer." This latest type of brooding device will produce ample heat to brood successfully at one time anywhere from 50 to 1,000 chicks, as is fully proved by the numerous reports from well-known poultrymen



Photographic reproduction of new 16-page booklet just issued by Cyphers Incubator Company and which will be sent free upon request to all of our readers.

who have been using the Hoyer. As an example, Mr. R. P. Ellis, Tenafly, N. J., well known as the founder of the Aurora System of Branch Eggs Farms, recently wrote:—

"Last season our incubator cellars, with a capacity of 33,000 eggs, turned out 151,000 day-old chicks. I may be wrong, but I do not believe anyone in America is called upon to hatch as many quality trap-nest bred chicks as I do each season, and I may also state that we stake our whole chance on the Cyphers Incubators. It also gives me much pleasure to say that the Coal-Burning Colony Hoyer which you are now manufacturing, and of which I was fortunate enough, to get three specimens before you began to advertise their sale, proved to be far superior to anything which I had previously tried, and I had been able to make a pretty thorough examination of five or six different devices of this kind. The compactness of your stove, its splendid qualities as a stove itself, the raising up and down on pulleys of the hoyer and its consequent advantage of being able to be adjusted at different heights and thus radiating different amounts of heat down toward the chicks, impressed themselves very strongly upon me. I have thoroughly made up my mind to give your Colony Hoyer unqualified endorsement to all of my Branch Farms and to recommend it as the 'best buy' at present for the economic brooding of chicks. I have been praising this stove in letters to my many hundreds of correspondents for the past six months and it gives me great pleasure to find that you have finally decided to put this stove out and to give it sufficient publicity to attract serious attention of the farmers throughout America. Permit me to congratulate you upon this device. It is but another link in the chain that binds public confidence to the Cyphers Company goods."

Every reader of AMERICAN POULTRY WORLD is urgently requested to send for a copy of this new booklet, which is filled with information relating to the care and management of little chicks. A post card will do! Address Cyphers Incubator Company, Buffalo, N. Y., or nearest branch store: 41 Barclay St., New York City, N. Y.; 12-14 Canal St., Boston, Mass.; 329-331 Plymouth Court, Chicago, Ill.; 317-318 Southwest Blvd., Kansas City, Mo.; 316-318 North Preston St., Dallas, Tex.; 2127-2131 Broadway, Oakland, Cal.

**JIM ROHAN OFFERS \$800 IN GOLD**

Jim Rohan's offer of \$800 in gold to poultry raisers is open to men, women, boys and girls of any age—anywhere—and the conditions are made so easy that every one would do well to investigate. Any reader of this paper can get the full particulars by writing to Jim Rohan, President, Belle City Incubator Company, Box 117, Racine, Wisconsin.

Unless you have the particulars you may be entitled to a share in the gold without knowing it, and Mr. Rohan will not know it unless you write to him, so our advice to every reader is to write. In reply you will receive Mr. Rohan's new, big free book, "Hatching Facts", just published. The book explains everything about the \$800 gold offer, making it easy for every one, whether an experienced or inexperienced poultry raiser, to go after the gold.

The Free Book, "Hatching Facts", tells the whole story. It shows a wonderful large reproduction of the Belle City Incubator and the Belle City Brooder in actual colors. Many photographs of Belle City prize winning batches also appear. The book gives in full Mr. Rohan's personal 10-year money-back guarantee, and the one, two, or three months' home test which Mr. Rohan allows on his hatching outfit. Altogether it is a valuable book and should be in the hands of every one who thinks of buying an Incubator or Brooder. A postal will bring the book. Address Jim Rohan, Pres., Belle City Incubator Company, Racine, Wisconsin.

**"JIM CRACK" HOUDANS**

Harry Taylor, 82 Howard Park Ave., Toronto, Ont., continues to win with his "Jim Crack" Houdans. In a recent letter he says: "I have made a remarkable win at the Toronto Poultry Association Show, held at Toronto, January 27-30. In a class of 38 single entries my birds won 1-2-3 cock, 1-3-4 hen, 1-3-4 cockerel, 1-4 pullet, Association Silver cup for best cock, hen, cockerel and pullet, the Zenner cup for best bird in show, 1,000 birds competing. I won this with a five-year old Houdan hen, her wings are as black as when yearling, and her white tips are as white as snow; also the Ballard cup, value \$50, for collection scoring highest number of points, all birds competing; American Houdan Club State cup for best collection; club ribbons for best crested male, best best crested female, best colored male, best colored female, best shaped male, best shaped female." Mr. Taylor adds: "To my knowledge this record has never been equalled in the U. S. or Canada by any Houdan breeder." This is surely a record to feel proud of and Mr. Taylor must have quality to accomplish such a record. Interested readers should send today for circular and prices on stock and eggs. Kindly mention A. P. W. when writing.

\* \* \* "The Orpingtons." All varieties fully described in this complete and attractive book. Seventy-five cents secures a copy \* \* \*

**COLORED LEG BANDS**

Red, Blue, Black, White, Amber, Pink, Green, 12-20c; 25-35c; 50-60c; 100-\$1.00; 250-\$2.25.

232-B N. Third St. CHAS. L. STILES COLUMBUS, OHIO

**Greider's Fine Catalogue**

and calendar of pure bred poultry; 70 varieties illustrated and described, many shown in natural colors. Perfect guide to poultry raisers—full of facts. Low prices on stock and eggs for hatching. Incubators and brooders. 22 years in business. You need this noted book. Send 10c for it—today.

B. H. Greider, Box 116 Rheems, Pa.



**The Improved Champion Leg Band**

Aluminum, numbered to suit. Post-paid 100-35c; 50-20c; 25-15c; 12-10c Initial extra 10c per 100; 50 or less 5c Circular free giving prices on Superior, Riveted and Pigeon Bands. Sample for stamp.

T. CADWALLADER, Box 1455, Salem, Ohio

**Congdon's Barred Rocks**

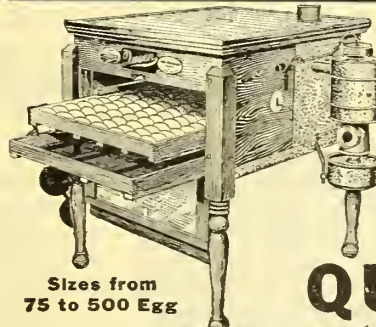
*Bred for Utility and Beauty*

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,  
Box 404, WATERMAN, ILL.

**You May Depend on the Queen Hatching Every Hatchable Egg**



Sizes from 75 to 500 Egg

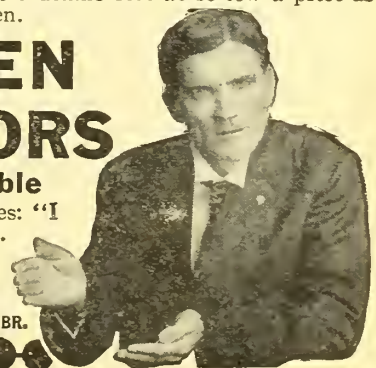
**QUEEN INCUBATORS**

**Built to Hatch Without Trouble**

Geo. E. Haynes, Hyde Park, Toledo, O., writes: "I hatched about 1000 in my Queens this season. I have used four other makes, but the Queen beats them all." Ask for a free copy of the new Queen Incubator and Poultry Book

**QUEEN INCUBATOR CO. 136 Bryan Ave., LINCOLN, NEBR.**

The Queen is built right — of the proper design, material and workmanship. Queen users will tell you the same — ask them, anywhere. The Queen is built up to a high standard, not down to a price. Our best customers are poultry people of experience, who buy one or two Queens to start with, and then add a few each year. There are other good machines made, but no other dependable machine sold at so low a price as the Queen.



# 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.

## DEPLUMING MITE

**Q.** I would like to have you advise me through your question department what to do for the depluming mite. I moved to a new place a year ago that appears to be infested and I cannot get rid of them. Q. E., Carlisle, Iowa.

**A.** This disease usually appears in the spring and summer and is caused by a parasitic mite, invisible to the naked eye, that burrows in the skin at the base of the feathers. When the presence of this mite is suspected an examination of the affected fowls will disclose masses of a gray material, not unlike dandruff, around the stump of the lost feathers. To treat the trouble, isolate all affected fowls and watch for any new cases. Treat by anointing the affected areas with any of the remedies recommended for scaly leg. A home-made remedy, consisting of sulphur and vaseline, well rubbed in, will be found very effective. Use one level tablespoon of sulphur to a 5-cent bottle of vaseline.

## IT ALL DEPENDS

**Q.** If I should set a Rhode Island hen and a White Wyandotte hen on April 1st and they hatch and raise a brood of chicks, when should they go to laying again?

**A.** This is rather a hard question to answer and one that cannot be answered with any degree of accuracy. In my experience I have known of a great many hens laying while still mothering a brood of chicks. There are, however, so many conditions effecting this question that a general statement is the best we can make. I should say, taking it for granted that the hens are ordinarily good layers, that they should again be in laying condition by the middle of June. This, of course, is providing they have good care and management.

**Q.** Supposing a hen of each of the above breeds have finished laying a clutch of eggs on April 1st, when should each hen lay again?

**A.** With good care and management these hens should begin to lay in from 10 to 14 days.

**Q.** Under average conditions, about when was a White Wyandotte pullet hatched that weighed 1½ pounds on July 15th? C. B. S., Lutherville, Md.

**A.** Generally speaking, I should say the forepart of May.

## S. C. BLACK MINORCA VS. PLYMOUTH ROCK

**Q.** As a reader of your paper I would like to ask how the S. C. Black Minorcas compare with other breeds as layers, especially with the Barred Plymouth Rocks? What is the weight of cock and hen and the size and color of the egg? Are they a good market fowl? How do S. C. Brown Leghorns compare with the S. C. White Leghorns as layers? C. R., Harbor Beach, Mich.

**A.** The Minorcas belong to the Mediterranean family and are generally considered to be good layers. Different strains show different degrees of productiveness, depending upon how they have been bred, that is, some strains may be record producers while others are very

inferior. The same is also true of the Barred Rocks as far as egg production is concerned. This characteristic is a matter of breeding with any breed or variety. In this respect there are altogether too many careless breeders. They don't know whether certain individuals are laying one dozen or twelve dozen eggs per year. The Minorcas produce a large, chalk white and as to size of egg they are not excelled by any variety. The Standard weights of Minorca cock and hen are 9 and 7½ pounds, respectively. While the Minorcas are probably profitable as a market fowl we believe there are other breeds more suitable. You should, however, be able to dispose of all surplus stock at your home market at the current quotations. As to laying ability, what has been said in the foregoing will apply with equal force to the Leghorns.

## PULLETS MOULT

**Q.** I am a subscriber of your paper and have a question I would like answered through your question column. What is the cause of some of my young pullets moulting in the fall or early in the winter? A. A. G., Reedsville, Pa.

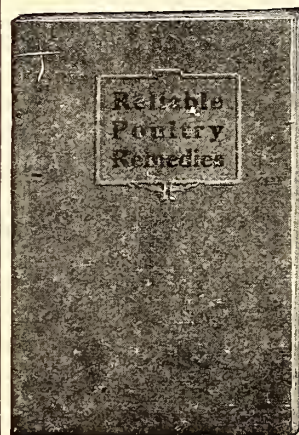
**A.** It is not unusual for early hatched pullets to moult in the fall. It usually happens after they have laid a small clutch of eggs and is undoubtedly due to some turn of nature that the poultry breeder has not yet been able to overcome. In some instances it may be influenced by local conditions. It is beyond me to give a specific cause that would cover the condition generally and if there is any reader that can help us out on this question we would like to hear from them.

## VARIOUS QUESTIONS

**Q.** I put air-slacked lime on the dropping boards every morning after cleaning them. Is the lime injurious to the fowls in any way?

**A.** A great many writers recommend the generous use of air-slacked lime around the poultry house and a great many successful poultrymen use it constantly. Nevertheless, it has enough undesirable features to condemn its use as an interior deodorant and I am strongly opposed to its use. It is very irritating to the air passages as you have probably

# Reliable Poultry Remedies



64 pages, 6 x 9

## How to PREVENT and CURE DISEASE

A Poultryman's Hand Book of Tried and Proved Remedies for the Diseases of Poultry. It describes in simple language the symptoms of the various diseases and tells what remedies will give best results under different conditions.

The Chapters are: Requisites for Health; Head, Throat and Lungs; Intestines and Crop; The Abdomen; Legs and Feet; The Skin; Parasites; Objectionable Habits. Send for complete list of our publications.

Price, 25 Cents, Postpaid

60 Cents, including a Year's Subscription to American Poultry World.

American Poultry Publishing Co.

158 Pearl Street, Buffalo, N. Y.

noticed when you are putting it upon the dropping boards. The small particles floating in the air undoubtedly have the same annoying effect upon the fowls when breathed in as they do upon you, and you must agree that it is anything but pleasant. For instance, take that period of the day when the birds are going to roost and the fluttering of their wings as they fly upon the boards stirs up an extra quantity for them to inhale. This certainly is not conducive to their comfort and if you will spend a little time in the pens at this time of day you will notice more or less sneezing as a result of inhaling these fine particles of irritating dust. An experience of this kind decided me against the use of lime.

Q. Will lime kill mites and help to keep down the lice?

A. I do not believe it will, not from its use on the dropping boards at any rate. The only thing that I have ever found that would kill mites is a good lice paint or crude or coal oil applied directly to the infested places.

Q. Will ordinary dry mustard take the place of Poultry Mustard in a dry mash?

A. No. Poultry Mustard is prepared especially for the purpose intended and its combination of the various kinds of mustard seed is not the same as the ordinary mustard.

Q. I mix charcoal with the dry mash, is this a good plan?

A. Many poultrymen prefer this plan while others keep charcoal in individual hoppers where it is easily accessible.

Q. I feed mixed grains morning and night in a deep litter of straw and have dry mash before the hens at all times. During the day the hens lay down quite a good deal. Is this a sign I am feeding too heavy? I give a pint of mixed grains in the morning to each ten hens and a handful to each hen at night. W. W. B. Malone, N. Y.

A. It is only natural to suppose that at some time during the day a certain portion of your flock would be resting. Whether this feature has reached what might be termed the loafing stage we are unable to say. If you are getting satisfactory egg production you have no need to worry on this point, if not, it's up to you to gradually inaugurate a change in your methods. To promote exercise it is a good plan to rake all the litter up in a heap and scatter the grain over this, forcing the hens to scratch it over the floor in their efforts to procure the grains.

WANTS TO BUILD

Q. Will you please send me a plan and directions for building a house for 150 hens? Want plan so I can use through the winter for eggs. Would also like the dropping boards fixed so that I can use space underneath for a small pen. Would like to know how to make a good whitewash for poultry houses. Mrs. F. S. A., Aquilla, Texas.

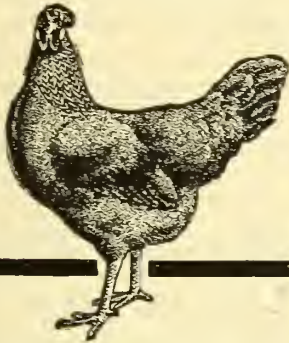
A. Would suggest that you procure a copy of the book, "Poultry Houses and Fixtures". This gives detailed plans and description of houses for all localities and, no doubt, would enable you to select just the one best adapted to your needs. The book will be sent from this office postpaid for 50 cents or with a year's subscription to AMERICAN POULTRY WORLD for 75 cents. A good whitewash and one that is used almost exclusively by the U. S. Government, 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 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 the 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.

ORIGIN OF LEGHORNS, ETC.

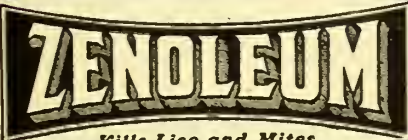
Q. May I have the pleasure, as an old subscriber, of asking a few questions through your service? First, where was the present type of White Leghorn originated; second, when and where were the White Faced Black Spanish fowls originated; third, where and how was the Norfolk Black Turkey originated? F. H., Greenwich, Conn.

A. The White Leghorns, it is generally admitted, are natives of Italy. At just what date they first made their appearance into America there is some uncertainty but it was probably some time during the 50's of the last century. In 1870 or 1872 the first importation into



Increase Poultry Profits

Keep disease and vermin from your flock and coops. Zenoleum is more powerful, surer and safer than carbolic acid, but deadly to all germ and insect life.



Kills Lice and Mites

DISINFECTS the Hen House, Brooder and Incubator. CURES Roup, Scaly Leg, Canker, Cholera. PREVENTS White Diarrhoea. Use it for dipping eggs to hatch, incubator moisture, to insure greater egg production, more live chicks, greater hatching returns.

Endorsed by 50 Experiment Stations They use it for Poultry and Live Stock.

OUR GUARANTEE

If Zenoleum is not all YOU think it ought to be, you can have your money back. No questions.

Prices Postpaid—8-oz. 25 cts; Quart 50 cts; Gal. \$1.50

Ask for our free 1915 Poultry Life Insurance Policy. Zenner Disinfectant Company 370 Lafayette Ave. Detroit, Michigan



TRACEY'S SINGLE COMB RHODE ISLAND REDS

Have improved their worth in the leading shows of the nation this season. At the great New York State Fair in the hottest and biggest class of Reds ever shown at a Fall Fair, the leading breeders of the East in competition we won best display, our 1st hen winning color special over pullets. At Madison Square Garden, in competition with the champions of nearly all the leading shows, "The Conqueror" our wonderful single comb cockerel won first prize and special for best colored male. Judge Card who judged the Reds at Boston, Pittsburgh, Pa., New York State Fair and other leading Red shows this season declared him the best Red cockerel that he handled this season. This is significant, we also furnished Blue Ribbon cockerels and pullets for six big shows. Eggs from the best matings we ever owned five and ten dollars per setting. Send for mating list. Member A. P. A. Member R. I. Red Club of America.

GEORGE W. TRACEY,

Box W,

KINDERHOOK, N. Y.



LOOK. This special Portable

Miller Fresh Air Hen House, 6x10 complete with roosts and nests \$30.00 F. O. B. St. Louis. Made of 7-in. hard pine tongued and grooved siding. Tight and Warm. Ready made, comes in sections. Erected in one hours time. Painted brown creosote disinfectant paint, white trimmings. Send order

or write for printed matter on Hen Houses, Garages, Barns, Cottages, and portable buildings of all kinds. THE MILLER MANUFACTURING COMPANY 8005 Alabama Av. St. Louis, Mo.



Get It Free

Sent Freight Paid Free!

This 150-Egg INCUBATOR Sent FREE and Prepaid to Everybody

Get yours now! Don't wait! Write at once. Be the first in your neighborhood to get an early hatch. Incubator is free! Costs you nothing—all you have to buy are the eggs.

Think of it! A 150-Egg Size Incubator delivered to you free. To get a big hatch all you have to buy are the eggs and a little oil for the lamp. In addition to the incubator

Everything Else is Free

that belongs to the incubator. This includes Egg Tester, Lamp, Wicks, Regulator, Thermometer, Egg Trays, etc.

Nothing like this has ever been done before. We are the first to give away a real incubator. Read how it is made. You can't beat it for \$20.00.

The FREE Incubator

is made of best lumber throughout. Side wall and top are of three thicknesses. Cold can't get in, heat can't get out. Equipment all the best and free. Beautifully finished in mahogany—handsome, firm, steel legs.

Don't hesitate. There's one of these famous machines waiting here for you. You can get one easy—free—without work, without selling anything. This is not an agent's proposition. It's the best proposition ever put before you. Send for freight prepaid shipping blank, instructions, and other information. Write name and post office plainly. Address RELIANCE INCUBATOR CO., Dept. 53, FREEPORT, ILL.

England was made from America. American breeders are responsible for the present type, that is the type prevalent in America. English breeders still demand a larger and coarser bird and their productions are lacking in the grace and sprightliness that characterize our American Leghorns. English authorities claim that the Spanish were well known in England as early as the 15th century and while the fowl probably was of Spanish origin they were at that early date getting their best specimens from France and the Netherlands. The Norfolk Black Turkey is evidently an English production and no doubt gets its name from the fact that it was first bred extensively in the Norfolk section of England. We can not find any data that gives credit for the origin of this variety to America, although American Bronze Turkeys were probably the foundation stock.

### SCALY LEGS

Scaly leg, a disease confined to the legs of poultry, is unsightly and injurious. It will, in bad cases, stop laying and produce lameness and soreness. If a brood hen is affected with it the young chicks will at once become inoculated with it and it will soon destroy both the smoothness and color of the shanks. As it is infectious, it soon spreads throughout the flock, to avoid which stringent measures must be adopted. It is said to be caused by a parasite which works between and under the scales or tarsi until the outward covering of the shanks is ruined, often forming great and unsightly bunches. It is caused or produced at first by unclean poultry houses and filthy and damp yards and runs. The best remedy that we know of is to furnish clean yards, and when there is evidence of the malady's presence, after thoroughly washing with soap and water, anoint with a mixture made by adding one ounce of flowers of sulphur and ten drops of carbolic acid to three ounces of sweet oil. Apply with a cloth as occasion demands. Young and growing chicks, if this be frequently applied, will grow up with smooth and bright legs.

### PREMIER WHITE WYANDOTTES

Canadian poultrymen appear to possess a special faculty for producing poultry of exceptionally high quality. For years our Canadian cousins have been noted for their Hamburgs and Polish, but in recent years they have been coming to the front with other varieties. Among those that seem to thrive in the Canadian climate are the White Wyandottes and among those who have been successful in producing specimens of more than ordinary quality is Sid Saunders, Ingersoll, Ont. Mr. Saunders has been a regular exhibitor at the Provincial Winter Fair at Guelph, Ont., the Madison Square Garden of Canada, and he has never failed to capture the highest honors. His record at this show is a phenomenal one and proves conclusively the wonderful quality of the Premier strain. Mr. Saunders' winnings are too numerous to enumerate here so we will suggest that all lovers of White Wyandottes send for a copy of the new mating list that he has just issued. It gives his record at the last two Winter Fairs as well as a fine illustration of his championship male, winner of the sweepstake for best bird in the show at the 1914 exhibition. It also describes his matings for the coming season. Readers should not hesitate to send for a copy of this booklet, especially those interested in better White Wyandottes. Mr. Saunders has an announcement on another page, an illustration of the bird mentioned above also appears in this issue. Look them up and then ask Mr. Saunders for further information about Premier White Wyandottes.

\*\*\* How to feed and care for baby chicks is told in a comprehensive manner in the "Chick Book." Fifty cents secures a copy \*\*\*

## BREEDERS SPECIAL DISPLAY CARDS

Advertisements of uniform size inserted under this heading at \$2.50 per month; six months for \$13.50 or \$2.00 per month by the year.

### Palmer's White Rocks

*Are Mated to Produce Winners*

A few cockerels for sale. Hatching Eggs.

The Glen Poultry Farm, Fairport, N. Y.

### HATTERSLEY'S ROYAL SCARLET STRAIN ROSE COMB REDS

22 firsts, 13 seconds, 11 thirds, 9 fourths, 3 fifths and 19 specials for shape and color is my show record for the last two seasons at such shows as the Palace, Allentown, Hagerstown, Syracuse and others. Eggs from eight special matings at \$3.00, \$5.00 and \$10.00. m.

Chas. O. Hattersley, Box 15, Nutley, N. J.

### BEN L. MYERS

LICENSED JUDGE

ALL VARIETIES. 23 Years Experience in

Judging. Address ap.

BEN S. MYERS, CRAWFORDSVILLE, IND.

### "The Highlands" S. C. White Leghorn Farm

50 cockerels direct of the celebrated D. W. Young strain of Single Comb White Leghorns for sale to reduce surplus birds. You take no risks buying this kind of stock and the price is so low no one can ask for trading stamps. Prices now \$3 to \$7 a bird and satisfaction guaranteed. Write me. Ap.

S. E. MacDougall, 10 Brisbane Bldg., Buffalo, N. Y.

### WARD'S ROSE COMB REDS

100 Choice utility pullets now laying, \$2.00 each before March 1. Utility cockerels \$3 to \$5.00 Eggs for hatching from choice exhibition matings. Send for mating list.

JESSE WARD, CHAFFEE, N. Y.

### Imported Blue Orpingtons

Champion Black Orpingtons, prize winners at Central Palace Show. Eggs or hatching, \$5.00 to \$10.00 per setting.

BRAHMADALE FARMS

MEDINA, - - - NEW YORK

### HOPKIN'S R. C. WHITE MINORCAS IMPERIAL WHITE STRAIN

Winners of all firsts at Rochester January, 4-9, 1915. Special for best cock, hen, cockerel, pullet and pen and many minor prizes. A few choice cockerels for sale reasonable. Now booking eggs for hatching. ap.

E. G. HOPKINS, PENN YAN, N. Y.

### White and Dark Cornish

Eggs at \$1.50 per 15. Cheaper for 100.

Stock consists of the World's leading strains. m

C. J. STOUT, R. D. 1, EMAUS, PA.

### SILVER CAMPINES

1 pen, 6 pullets and cockerel, \$20.00.

Also a few good cockerels at \$3.00 each.

E. H. Jennings, Ridgewood, N. J.

### ALERT ANCONAS

won at Wilkes Barre, December 1914. 1-3 hen; 1-2 pullet; 2-4 cockerel. In the third North American Laying Contest, three Alerts laid 222-225-227 eggs respectively. Write your wants to (mr)

TIPTOP PLANT, H. M. Blake, Honesdale, Pa.

### Quality Light Brahmas

Blue Ribbon winners at Syracuse Fair, Palace Show and Buffalo Shows. Booking orders for eggs. \$3.00 TO \$8.00 a setting. 6 Grand Pens.

BRAHMADALE FARMS,

MEDINA, - - - NEW YORK

### WHITE WYANDOTTES

I will sell a few settings of eggs from my pen "Ladies of the Snows". This pen is made up of my prize winning cockerel "Kitchner", my 2nd pullet, 2nd and 5th hens, winners at the Buffalo Show 1914, and eight other beautiful females. These will give you exhibition birds. Six cockerels of the same class, eight months old, for sale.

M. H. HIBBARD, RIDGEWAY, ONT.

### BARRED ROCKS

Winners in the west against the best from east or west for 23 years. Large size, prolific layers, correct type, clear, straight across even spaced contrasty barring. Prices reasonable. Eggs, \$5.00. TF

FRANK W. BREED, Box 80, College Place, Wash.

### WHITE WYANDOTTES

Win many prizes at twelve different shows. Show and utility birds for sale. Satisfaction guaranteed. Write for particulars. f-6

STANLEY & BRINER, SPRING CITY, PA.

### English Penciled Runner Ducks

FAIRY WHITE RUNNERS

Tremendous layers, finest eggs shown by analysis and table test. Practical Barred Rocks, egg type, heavy layers. Hatching eggs, chicks and ducklings. Circular. TF

Mrs. Andrew Brooks, Brookhaven Farm, Auburn, N. Y.

### PARTRIDGE PLYMOUTH ROCKS

The Beauty Breed

I have a choice lot of stock to select from and can fill orders promptly for single birds, trios or pens. I am now booking egg orders from 42 well mated pens. Remember my birds have won at Chicago, Indianapolis, Cleveland, New York, etc. Mating list ready. TF

F. N. Perkins, Box W, Freeport, Ill.

### Bader's S. C. R. I. Reds

Have been winning at our leading shows for a number of years. Line bred from one of our very best strains.

Eggs, \$5.00, \$3.00 and \$1.50 per 15. Stock for sale at all times. M-3

F. S. BADER, NEWMANSTOWN, PA.

### Single Comb Reds

Deep claret color, low tails, good combs, eyes and type. At Walla, Walla, Wash., on six entries I won cup for best bird in show. A. P. A. Gold medal for best cockerel, 1st, 3rd and 4th cockerel, 2nd and 3rd pullet. Hewes judge. Some extra cockerels, reasonable. Eggs, \$10.00. TF

Frank W. Breed, Box 80, College Place, Wash.

## CLASSIFIED ADS.

**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.

**TERMS:**—Cash with order and copy of advertisement. Positively no exceptions to this rule. Please count the words correctly to avoid delay in publishing. Write copy of your advertisement plainly to insure its appearing correctly. Copy must reach AMERICAN POULTRY WORLD office by 18th of the month preceding date of issue.

AMERICAN POULTRY WORLD is furnished every classified advertiser without charge during the time his advertisement appears in these columns.

We guarantee to publish an average monthly circulation of 45,000 copies during the year ending with April, 1915.

"BECOME IDENTIFIED WITH A WINNER."

### ANCONAS

**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. Average 256 for entire flock. Cecil Sheppard, Berea, Ohio. 4-5-5

**CRESS HILL FARM SINGLE COMB ANCONAS.** Winners of firsts at St. Louis, 1913, also 1914, at Springfield, Ill., 1914. Best mated pens anywhere. Eggs, \$2.00 per 15; \$8.00 per 100. Special pen, \$5.00 per 15. Cress Hill Farm, Hillsboro, Ill. 3-4-5

**ROSE AND S. C. MOTTLED ANCONAS.** Blue ribbon winners at the big shows. Great layers of large, white eggs. If you want quality I have it. Eggs for hatching by the setting or hundred. Write for prices. Satisfaction guaranteed or money refunded. A Vandervort, Sidney Center, N. Y. 3-4-5

**ANCONAS.** Stock, eggs and baby chicks. Catalogue free. John Timms, Malta, Ohio. 1-3-5

**ANCONAS, WINNERS** at Mineola and Madison Square Garden. Eggs, \$2 per 15. Robincrest Farm, Babyton, L. I. 3-5-5

**ANCONAS,** both combs. Eggs, baby and eight weeks chicks. Circular free. Wm. S. Ratbun, Jamestown, N. Y., 8 Kingsbury St. 3-5-5

### BANTAMS

**RARE BARGAINS**—Golden and Silver Sebright, Buff, Black, White and Partridge Cochins, Rose Comb Black, Black Tailed Japanese, Light Brahma, Red Pyle and Black Red Game, Silkie and Single Comb White Leghorn Bantams. Proper & Son, Schoharie, N. Y. 12-7-5

**BANTAM SPECIALIST**—Buff, Black, Partridge Cochins, Light and Dark Brahmas. I ship on approval. Circular free. Geo. C. Salmon, Port Dickinson, N. Y. tf

A choice lot of **GOLDEN SEBRIGHT BANTAMS**, both old and young, \$2 to \$3 each for early delivery. W. H. Adams, Almond, N. Y. tf

**BANTAMS**—Setting eggs, 34 varieties. Send stamp for catalogue. Fenn Bantam Yards, (Desk 44) Delavan, Wis. 6-6-5

**EGGS FROM WINNERS.** Black, Buff and White Cochins. Black Rose Combs. Paul W. Georgia, Horseheads, N. Y. 3-5-5

**WORLD'S FINEST BANTAMS,** Pheasants, Yokohamas, Peafowl. Catalogue, 2c. F. C. Wilbert, Grand Rapids, Mich. 1-3-5

### BRAHMAS—LIGHT

**SEE RIVERDALE POULTRY FARM'S advertisement,** Light and Dark Brahmas, page 366. tf

**THOROUGHbred LIGHT BRAHMA EGGS** for hatching, \$2 for 15; \$3 for 30. Beams Brothers, Boonville, N. Y. 3-5-5

**LIGHT BRAHMAS, NEW YORK WINNERS.** Settings, \$1.00 to \$5.00. Fred Warren, Watertown, N. Y. 3-5-5

**SHAW'S LIGHT BRAHMAS.** Eggs from New York winners, \$10.00 the setting. Four pens mated. Headed by first, second, third cockerels and second cock; prize females. J. W. Shaw, 180 Newbury St., Brockton Mass. 4-6-5

### BUCKEYES

**DEEM'S ARISTOCRAT BUCKEYES.** Hatching eggs for early chicks. Buckeye Poultry Yards, Eaton, Ohio. 3-3-5

**BUCKEYES.** Stock and eggs. Catalogue free. Lindley Place. Meshoppen Pa. 1-3-5

### BUTTERCUPS

**SICILIAN BUTTERCUPS** Choice breeding cockerels on their premium stock, \$3 and \$5 each. Eggs, \$3 and \$5 per setting 15. Lakewood Manor Poultry Yards, Chas. E. Perry, Prop., Lakewood, N. J. 6-8-5

**AT BOSTON SHOW** 60% of cash winnings, 2 Silver Cups, more Specials than all competitors combined. Booklet. Chantecleer Poultry Plant, Ulster, Penna. 3-4-5

**BUTTERCUPS EXCLUSIVELY.** Highest quality. Blue ribbon winners at 3 big shows. Irresistible prices. \$5 per 15. Picture circular and Buttercup talk free. Buttercup Ranch, East Longmeadow, Mass. 3-5-5

**BUTTERCUPS.** Prize winners, eggs from mated hens, fertility guaranteed. Send for circular. Deniston & Son, Slippery Rock, Pa. 2-4-5

**BUTTERCUPS.** Mine produced 11 prize winners this winter. 15 eggs, \$2.50. Circular free. W. C. White, 628 Grand Ave., Rochester, N. Y. 1-3-5

**SICILIAN BUTTERCUPS** exclusively. A few cockerels. Eggs, \$3.00 and \$5.00 for 15. Free circular. Waldron Harrington, Oxford, N. Y. 3-5-5

### CAMPINES

**GOLDEN AND SILVER CAMPINES**—Our yards contain the Pacemakers of America. If it is stock you want, write today. Good value, prices right. Manhattan Farms, Geo. E. Noeth, Owner, Brighton, N. Y.

**SILVER CAMPINES.** Cockerels, reasonable. I am now selling eggs from my best pen two dollars per fifteen, Jacobus & Kennedy Strains. Chas. E. Henderson, Austerlitz, Columbia Co., New York. 3-3-5

**JACOBUS CAMPINES, GOLDEN AND SILVER.** Jacobus strain came and stayed. Why don't others do the same? M. R. Jacobus, (Original Introducer), Box 276-W, Ridgefield, N. J. 1-1-5

**SILVER AND GOLDEN CAMPINES.** Best strain. High fertility eggs, \$1.50 and \$2.00 per 15. Order from this advertisement or send for mating list. Stock for sale. Harford Bros., Worthington, Ohio. 3-4-5

**FELLOWS, I AM STILL IN THE GAME,** write me for my war prices on eggs, Silver and Gold Campines, Blue, Partridge, Orpingtons, Sussex and Leghorns. Dr. Prudhomme, Desk 14, Thurmont, Md. 6-7-5

**BENSON'S BLUE RIBBON STRAIN SILVER and GOLDEN Campines** are different. Noted winners and heavy layers. Special sale pens, \$10. Eggs, \$2. Catalogue free. E. N. Benson, Box H, Washta, Iowa. 1-3-5

**SILVER AND GOLDEN CAMPINE.** Eggs, \$2 per 13. C. M. Wilkinson, Berkshire, N. Y. 3-4-5

**SILVER AND GOLDEN CAMPINES**—Stock for sale. Eggs, \$1.50, \$2.50, \$3.50 per 15. Chas. Abel, Johnstown, N. Y. 13-12-5

**ONE DOLLAR SETTINGS.** Silver Campines, "Jacobus Strain". Noted winners. Clarence B. Utter, Sayre, Pa. 1-3-5

**IMPROVED SILVER CAMPINES.** Choice stock reasonable. Eggs. Rev. W. Berberich, Groton, N. Y. 3-5-5

**EGGS—GOLDEN, SILVER CAMPINES.** Kennedy Strain, \$3 per fifteen. Allan Fickett, Milbridge, Me. 1-3-5

**MANY PRIZE WINNERS** in our matings of "Coin Silver" Campines, tremendous layers. Some winning cockerels at hard time prices. Eggs at less than half value. Worth investigating, get information. Merritt Brothers, Venice Center, N. Y. 1-3-5

**NOW** is the season for the hatching of eggs from our famous, vigorous strain and beautiful type Silver Campines. Eggs from our matings will assure your satisfaction and success. See display ad., page 372. Homestead Campine Farm, Box W, Wayland, Mass. 3-5-5

**THE MARTLING CAMPINES.** America's greatest winners. A clean sweep of birds and White eggs wherever shown. Syracuse, N. Y.; Trenton, N. J.; Hempstead, L. I.; Williamsport, Pa.; Paterson, N. J.; Palace Show, New York, Madison Square Garden, New York. Best breeding and exhibition birds and hatching eggs for sale. The Martling Henery, Ridgefield, N. J. Box 186 H. 1-5-5

**SILVER CAMPINES.** Winning at Madison Square Garden 3rd cock on 2 entries. My birds have been consistent winners of the blue in the leading shows of the East. Trio for sale. Hatching eggs \$2.50 and \$5.00 per 15. Satisfaction guaranteed. George Delermville, VineLnd, N. J. 4-6-5

### COCHINS

**COCHINS ALL VARIETIES** as well as Brahmas and Langshans are described in the book "The Asiatics", the only complete treatise on the oldest fowls in existence. A copy will be sent postpaid upon receipt of 50c. cash or stamps to AMERICAN POULTRY WORLD, Buffalo, N. Y. tf

**WHITE, BLACK, BUFF AND PARTRIDGE,** English and American. Full feathering, correct type and color. Winners, New York to Chicago. Eggs and stock. Circular. Address D. C. Peoples, Urichville, Ohio. 3-5-5

### CORNISH

**DARK CORNISH.** Five blue ribbons at Buffalo in November and special for best pen. Eggs reasonable for the quality. Write for mating list. W. W. Graves, Jefferson City, Mo. 5-6-5

**THE NEW BUFF CORNISH.** National winners of United States. Adelpki Poultry Yards, F. A. C. Kepbart, Prop., Altoona, Pa. Box 900. 3-5-5

### DAY OLD CHICKS

**PEKIN DUCK AND S. C. WHITE LEGHORN** eggs for hatching. Day old chix, day old ducks. Send inquiry to Harry Lester, Ransomville, N. Y. 1-3-5

**BABY CHICKS AND DUCKS.** Single Comb White Leghorns, 10 cents apiece. Pekin ducklings, 20 cents apiece. White Feather Poultry Farm, Ransomville, N. Y. 4-6-5

**BABY CHICKS, 12 CENTS EACH.** Eggs for hatching, \$1.00 per 15. Buff and White Orpingtons. Mrs. A. B. Cleveland, Union, N. Y. 3-5-5

**BABY CHIX, 8 CENTS AND UP.** Express prepaid. 12 varieties. Sale sheet free. Safe arrival guaranteed. South Kenton Poultry Farm, Kenton, Ohio. 3-5-5

**CHICKS AND EGGS.** Ringlet Barred Rocks, White Rocks, both comb. Reds Partridge and Silver Wyandottes. Pekin Ducks. 48 first prizes, 32 seconds, 6 thirds, 1 fifth. J. E. Brockleburst, Mercer, Pa. 3-5-5

### DOMINIKES

**AMERICAN DOMINIKES.** Eggs for hatching from 2 fine breeding pens, \$2.00 per 13. A few trios for sale. G. H. Steinbrenner, Williamsville, N. Y. 3-5-5

### DORKINGS

**SILVER GRAY, WHITE AND COLORED DORKINGS.** Winners at leading shows in Canada and United States. W. D. Woodruff, St. Catherine's, Ont. 3-5-5

**SILVER GRAY DORKINGS** exclusively 26 years. More first prizes, championship cups and specials at New York, Boston and Buffalo the last 17 years than all competitors combined. Display and two gold specials, Buffalo, 1914. Two champion challenge cups and all specials, Boston, 1915. Clean sweep of all first and second prizes, New York, 1915. Eggs from best matings, \$4.00-13; \$7.00-26. Watson Westfall, Sayre, Pa. 3-5-5

### DUCKS

**MAMMOTH WHITE PEKIN DUCKS**—Some grand stock for sale at \$3 each. Trios \$7. Some good utility birds \$2 each. Trios \$5. Howard J. Curkendall, Newark Valley, N. Y. 3-3-5

**WILD MALLARD DUCKS.** Thoroughbred young stock for sale. Egg orders booked for early deliveries in settings and hundred lots. Dr. R. S. Wood, Lawrenceburg, Ind. 3-3-5

**BUFF ORPINGTON DUCKS.** Stock and eggs. Ralph Place, Meshoppen, Pa. 1-3-5

**BUFF ORPINGTON DUCKS.** Dunrobin. Clear Buff. Eggs, \$2 per 12; 50, \$5. Mammoth Pekins. Keith. Eggs, \$1 per 12, 100, \$6. C. L. McFerran, Bellville, Ohio. 3-5-5

**INDIAN RUNNERS.** State Fair winners. Eggs, \$2. Baby chicks and Ducklings, 10 cents to 25 cents. Booklet. The Glen Hatchery, R. 2, Fultonville, N. Y. 4-6-5

### FAVEROLLES

**WHITE FAVEROLLES.** Trio, \$25. Cockerels, \$5 and up. Eggs, \$5 and \$10 per 15. Good results at Palace Show. Geo. H. C. Hole, Cornwall, N. Y. 4-5-5

**MAKE YOUR POULTRY PAY** by starting now with White Faverolles, the coming popular fowl, quick growers, unexcelled for market, wonderful winter layers, very hardy, largest flock in America, can furnish pairs, trios, pens. Most points including grand first pen Madison Square Garden, December, 1913. Eggs \$10.00 per 15. Brakendale Farms, Fonthill, Ont., Can.

**WHITE FAVEROLLES.** Eggs, \$2 and \$2.50 per 15, also cockerels. Jos. Armfield, Greensboro, North Carolina. 1-3-5

**SALMON FAVEROLLES.** Justly claimed by the French to be the King of Utility fowl. Mature quickly, great winter layers, delicious table fowl, easy keepers. Eggs and stock. Blue Ribbon winners at Madison Square Garden and Buffalo shows. Charles Kelley, M. D., Franklinville, N. Y. 4-6-5

#### GAMES

**EGGS FOR HATCHING.** Exhibition B. B. Reds, Brown Reds and Red Pyle Games. Grand stock, all imported or bred from such, fit to win in any company. F. G. Bouquet, Owego, N. Y. 3-5-5

#### GEESE

**AFRICAN GEESSE.** The large kind. **PEARL GUINEAS.** The true prolific breed. Stock for sale. J. F. Myers, R. F. D., No. 2, Massillon, Ohio 3-4-5

#### HAMBURGS

**BREEDER HIGH CLASS EXHIBITION HAMBURGS.** Winners at Madison Square, Syracuse State Fair, Gloversville, N. Y. Stock for sale. Eggs in season. Elmer E. Wert, 6 Alexander St., Gloversville, N. Y. 2-4-5

**SILVER SPANGLED HAMBURGS.** Eggs, \$2.50, \$2.00 per 15 from laying and prize winning stock. Nice cockerels and hens for sale. Raymond Heald, West Chester, Penna. 4-6-5

**SILVER SPANGLED HAMBURGS.** Eggs and baby chicks. My birds won at Madison Square, Philadelphia, etc. Circular. W. H. Trump, 6340 Greene St., Germantown, Pa. 4-6-5

#### HOUDANS

**HOUDANS**—Proprietor all Peterson's, also book 20c. Eggs, stock. Dr. Wight, Bolster's Mills, Me. 1-3-5

**HOUDANS.** 287 egg strain, Silver Spangled Hamburgs. Fancy and utility eggs, chicks. Catalogue. Fred Brenon, 122 North Pleasant St., Watertown, N. Y. 4-4-5

#### KLONDIKES

**KLONDIKES—FLUFFS!** New breed of chickens. Splendid winter layers. Good table bird. Cannot fly. Feathers valuable. Catalogue free. Wm. R. Black, Bolivar, Ohio. 3-5-5

#### LANGSHANS

**A CLEAN SWEEP AT BOSTON ON BLACKS.** Robinson's Langshans win 1st cock, hen, cockerel, pullet, pen. Mating list free. J. F. Robinson, So. Weymouth, Mass. 1-3-5

**BLACK LANGSHANS, BLUE RIBBON WINNERS** at four good shows. Eggs for hatching. Write for circular. A few good cockerels. Thos. K. Hayes, Rockville, Ind. 1-3-5

**BLACK LANGSHANS.** Madison Square Garden winners. Eggs from best pens, \$5.00 per 15. Utility pens, \$3.00 per 15. Mrs. J. G. Helvin, Norfolk, Va. 4-6-5

#### LEGHORNS—BLACK

**S. C. BLACK LEGHORNS.** Size, type, color, yellow legs and lots of eggs. Write for price list. Bert Peet, New Castle, Pa. 4-4-5

**BLACK LEGHORNS, WINNERS** at Mineola and Madison Square Garden. Eggs, \$2 per 15. Robincrest Farm, Babylon, L. I. 3-5-5

**BLACK LEGHORNS.** The money making, winter laying, yellow legged and yellow skinned aristocrats of the Leghorn family. Now booking orders for early spring settings from our Buffalo, Boston and New York winners. Illustrated catalogue free. Bradford Bros., Bangor, N. Y. 2-4-5

#### LEGHORNS—BROWN

**SEND YOUR ORDEDR** today for a copy of "The Leghorns", the most complete treatise on your favorites ever written, three full page illustrations in colors, one showing correct plumage color of male and female Brown Leghorns. 144 pages—price \$1.00 postpaid. **AMERICAN POULTRY WORLD**, Buffalo, N. Y. 1-3-5

**YES I HAVE THEM**, not in the Antedeluvian days, but in the 20th Century at Buffalo, Jan. 1913, I won first cockerel and special for the best male, Jan., 1914, 5th cock, first hen, special for best female, first, second, fourth and fifth cockerel and special for best male and first pullet. Write for price list to Rev. J. G. Taylor, 305 Park St., Chatham, Ont., the S. C. Brown Leghorn Specialist. 1-3-5

**ROSE COMB BROWN LEGHORNS**—Show birds for big shows. 50 bred from layers, \$3 each. Circular. Box C. H. S. Lamson, Cameron, N. Y., 1-3-5

#### LEGHORNS—R. C. BUFF.

**ROSE COMB BUFF LEGHORNS.** Lay white eggs. Win blue ribbons, Boston, Springfield, Buffalo, Madison Square Garden. Sell eggs, stock. J. E. Skelie, Cambridge, N. Y. 4-6-5

#### LEGHORNS—S. C. BUFF

**REX'S FAMOUS S. C. BUFF LEGHORNS.** Win 9 firsts at Allentown, Hagerstown, Buffalo and Palace. Stock and eggs from the Champions. Geo. Rex, Slatedale, Pa. 3-3-5

**"AMERICAN QUALITY" SINGLE COMB BUFF LEGHORNS. EGG BRED WINNERS.** Pedigreed breeders, eggs, chicks priced right. L. M. Munger, DeKalb, Ill. 1-2-5

**SINGLE COMB BUFF LEGHORNS.** Hatching eggs, \$1.50, \$3.00, \$8.00 for 15. First prize winners, Palace, Hempstead, etc. Orange Poultry Yards, Manhasset, L. I. 3-4-5

#### LEGHORNS—WHITE

**WHITE LEGHORN** breeders and fanciers should have a copy of "The Leghorns" all varieties, the latest and most complete treatise on this popular fowl. Will give you many valuable pointers on care, feeding and conditioning. 144 pages, profusely illustrated. Three color plates. Postpaid \$1.00. **AMERICAN POULTRY WORLD**, Buffalo, N. Y.

**BLAISDELL'S S. C. WHITE LEGHORNS** won all firsts at Central Maine Fair, 1914. Eggs \$1.50 to \$3.00 setting. Mating list free. Idell Blaisdell, Auburn, Maine. 3-3-5

**S. C. WHITE LEGHORNS.** 200 and up egg type. Eggs \$1.50 per 15, \$6 per 100. Baby chicks \$12.00 per 100. No inbred stock. A. F. Haufe, Penn Grove, Calif. 3-3-5

**ROSE COMB WHITE LEGHORNS.** The "Laymore" strain. Specialists in egg production. Stock, eggs and day old chicks for sale. J. M. Chase, East Pembroke, N. Y. 3-4-5

**HATCHING EGGS FROM RANCOCAS S. C. WHITE LEGHORNS.** The World's finest laying strain. 100 per cent. fertility guaranteed—a strong germ is assured. Write for free catalogue and prices. Rancocas Poultry Farms, Box 610 C, Brown's Mills, N. J. 3-4-5

**S. C. WHITE LEGHORN COCKERELS,** heavy laying strain, \$3 to \$5. Eggs, \$1 per 15; \$5 per 100. Dodge Poultry Farm, Oakfield, N. Y. 3-4-5

**TOM BARRON'S LEGHORNS.** Large, healthy, pure white, farm raised. Pullets 1 y at 4½ months. Flocks average 170 eggs per hen, per year, and individual records to 200 eggs. All males from 200 egg hens. Eggs, \$1.00 per 15; \$3.00 per 50; \$5.00 per 100. 90 per cent fertility guaranteed Prompt shipment, any quantity. Satisfaction, or money back. Wm. B. Whitney, Marlboro, New York 4-5-5

**SINGLE COMB WHITE LEGHORNS.** Cockerels (grandson's of Young's Edward 44) \$2 each. Fifteen eggs, \$1.50 Hundred, \$7, Meadow Farm, Coulterville, Ill. 1-3-5

**SINGLE COMB WHITE LEGHORNS.** Everlay Strain, eggs, \$1.50. Hundred, \$7. Meadow Farm, Coulterville, Ill. Fertility guaranteed, \$1.00 for 15. \$5.00 for 100. F. Ingersoll, Stratford, Conn. 1-3-5

**GUARANTEED EGGS** from vigorous S. C. White Leghorns, \$1.50 per setting. Clark Hewlett, Bath, N. Y. 1-3-5

**200 S. C. WHITE LEGHORN PULLETS,** laying, fine condition, \$1.25 each. S. I. Weidler, Womelsdorf, Pa. 1-3-5

**MAPLE LODGE FARM S. C. WHITE LEGHORNS.** Greatest laying strain thoroughbreds, range raised, none better at any price. Hatching eggs, \$6 per 100. 30,000 snappy, strong, healthy baby chicks, \$12.00 per 100. The demand for Maple Lodge chicks and eggs is far in excess of our supply each year. Order early. Maple Lodge Farm, Newton, N. J. 2-4-5

**TOM BARRON'S STRAIN,** English Leghorn eggs, \$5.00-100; chicks, \$10.00-100. W. L. Sarson, Belvidere, N. J. 3-5-5

#### MINORCAS—BLACK

Seltzer's quality **S. C. BLACK MINORCAS.** Famous McGrann strain direct. They win and lay. Stock for sale, eggs in season. G. U. Seltzer, Middletown, Pa. 6-6-5

**ROSE COMB BLACK MINORCA EGGS.** Greatest laying strain. Cleveland winners. Eggs, \$1 per setting up. Mating list free. Jay Folger Beswick, Berea, Ohio. 3-4-5

**KOEHLER'S STANDARD S. C. B. MINORCAS.** Extra large birds, hatching eggs, \$3 per 15; \$8 per 100. Baby chicks, \$20 per 100. J. C. Koehler, Quakertown, Pa. 3-4-5

**PAPE'S STRAIN BLACK MINORCAS.** Have some fine, large cockerels for sale from \$3.00 up; also eggs, \$3.00 per setting. E. Cleveland, Pittsford, N. Y. 2-4-5

**BLACK MINORCAS, BOTH COMBS.** Hens, pullets, cockerels, \$1.00, \$1.50, \$2.00. Catalogue free. Write your wants. John H. Payerter, Hume, N. Y. 1-3-5

**SINGLE COMB BLACK MINORCAS.** Hatching eggs from heavy laying stock; \$1.25 per 15. parcel postpaid; \$5 per 100. Frank Miles, Dundee, N. Y. 2-4-5

#### MINORCAS—WHITE

**S. C. WHITE MINORCAS.** Eggs from standard weight stock, also stock for sale. Harry Leibold, Delaware, Ohio. 3-4-5

**WHITE MINORCA COCKERELS.** Eggs and chicks. L. D. Clark, Apalachin, N. Y. 1-3-5

#### ORPINGTONS—BLACK

**EVERY BREEDER OF BLACK ORPINGTONS** should read the new Orpington Book. Tells about the Standard requirements, how to mate and breed them for best results, edited by J. H. Devenstedt. Fully illustrated. Price 75 cents, postpaid. **AMERICAN POULTRY WORLD**, Buffalo, N. Y. 1-3-5

#### ORPINGTONS—BLUE

**BLUE ORPINGTONS.** Choice Blue Orpingtons. Stock and eggs reason.ble. Rev. W. Berberich, Grotton, N. Y. 3-5-5

#### ORPINGTONS—BUFF

**S. C. BUFF ORPINGTON EGGS AND BABY CHICKS FOR SALE.** Send for the special list for the price and winning stock. Pedigreed eggs. Vern Unterburger, 237 Peterbaugh Ave, Dayton, Ohio. 2-3-5

**ELM PLACE OFFERS S. C. Buff Orpingtons,** large, winter layers, show stock. Eggs now booking. Have sons and daughters of the best American and Canadian winners. Registered Jersey Cattle. Kansas Black Raspberry sets at \$8.00 per M. L. D. Cowden, Fredonia, N. Y. 3-5-5

**S. C. BUFF ORPINGTONS**—Prize winners. Eggs from matured hens, fertility guaranteed. Mating list free. Denniston & Son, Slippery Rock, Pa. 2-4-5

**S. C. BUFF ORPINGTON** chicks and eggs at reasonable prices. Descriptive catalogue. Hough Farm, Far Hills, N. J. 1-3-5

**BUFF ORPINGTON EGGS** from 1st and 2nd pens, Auburn, 1914, \$5.00 for 15; \$3.00 for June, July, W. B. Traft, 109 Kirk Ave., Syracuse, N. Y. 4-6-5

#### ORPINGTONS—WHITE

**WHITE ORPINGTON** history fully described in the new Orpington Book, the most complete work published on the popular Orpington fowl. Price 75 cents postpaid. **AMERICAN POULTRY WORLD**, Buffalo, N. Y. 1-3-5

**FIRST PRIZE S. C. WHITE ORPINGTONS.** Cock and hen for sale. Arwin Miller, McKeesport, Pa. 3-3-5

**WHITE ORPINGTONS,** bred for winter eggs. Breeding hens, \$2 and \$3. Eggs, \$1.50 per setting. \$7.00 per 100. J. H. Hargraves, Norwalk, Ohio. 3-4-5

**"BEN DALTON" ROSE COMB WHITE ORPINGTON** traped eggs from blue ribbon winners, \$3 per setting. Ben Dalton, Orpington Farm, R. F. D. No. 43, Norwalk, Conn. 3-4-5

**KELLARSTRASS WHITES.** 5 firsts, 2 seconds, 2 thirds, 1 fourth from ten entries. Stock, \$2 up. Fifteen eggs, \$2, \$3, \$5. Marvin Christain, Horseheads, N. Y. 1-3-5

**COOK'S R. C. WHITE,** Joe-Pye S. C. Buff Orpingtons. Twelve pens winter laying, blue ribbon winners. Eggs, \$2.00 per 15. Nicholls Poultry Yards, East Norwalk, Conn. 4-6-5

**WHITE ORPINGTONS.** Winners at Buffalo 1912-1913. Three ribbons four entries 1914. Hatching eggs. Mating list ready. Edw. E. Bunnell, 325 Herkimer St., Buffalo, N. Y. 4-6-5

#### ORPINGTONS—SEVERAL VARIETIES

**THE ORIGIN AND HISTORY** of all varieties of Orpingtons, described in the Orpington Book, just published. Every breeder of Orpingtons should have a copy. Price 75 cents. **AMERICAN POULTRY WORLD**, Buffalo, N. Y. 1-3-5

#### PET STOCK

**BELGIAN HARES.** Flemish Giant Hares for sale. Address Pioneer Pet Stock Farm, New Weston, Ohio. 1-3-5

#### PHEASANTS.

**500 ENGLISH RINGNECK PHEASANTS.** Strong hardy stock. Eggs in season. F. L. Furminger, 211 Ontario St., St. Catharines, Ont. 3-5-5

#### PIGEONS

**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. 3-4-5

MALTESE HEN PIGEONS. Have a few mated pairs yellow and white Maltese for sale. Yellow, good solid colors. Carl W. Opperman, Philadelphia Schutzen Park, Phila., Pa. 6-6-5

SSSS IN PIGEONS: Start raising squabs for market or breeding purposes. Make big profits with our Jumbo Pigeons. We teach you. Large, free, illustrated, instructive circulars. Providence Squab Co., Providence, R. I. 3-3-5

POLISH.

GOLDEN SPANGLED POLISH. (plain) 5 trios for sale cheap. The most beautiful plumage bird and good layers; if you want some beautiful pets that pay you to keep write T. F. Adams, R. 3, Binghamton, N. Y. 3-5-5

PLYMOUTH ROCKS—BARRED

E. B. THOMPSON'S "RINGLETS" DIRECT. Extra choice cockerels, females and eggs; big, vigorous stock, bred from winners; best New York winning blood from proven breeders. Have spared neither pains nor money. William Huckle, Waverly, N. Y. 3-4-5

PARK'S 200 EGG BARRED ROCKS. Pens headed by son of Park's hen "Muzz" 232 eggs. Hens with records 238-246 eggs. 15 eggs \$1.50. Circular free. Frederick Matteson, 3838 Woodley Lane, Washington, D. C. 3-3-5

CHICKS that will live 15 cents each. Eggs one dollar per setting. Stock selected for twenty years for vigor and vitality. Satisfaction guaranteed. Wilcox Poultry Yards, Provincetown, Mass. 1-3-5

THOMPSON'S IMPERIAL RINGLET STRAIN Barred Rocks direct. Eggs from exhibition cockerel and pullet matings, \$2.00-15, utility pens, \$1.00-15; \$5.00-100. H. D. Pinckney, Mabopac, N. Y. 3-5-5

PITTSFIELD UTILITY ROCKS. The greatest layers of this vigorous breed. Eggs, \$1.50. Wm. Fride, W. Water St., Elmira, N. Y. 3-5-5

UTILITY WHITE ROCKS. First and second prize winners at Boston Show, 1915. Extra long backs, very white and great layers. Eggs, \$2 per setting. B. F. Whitman, South Weymouth, Mass. 3-5-5

MY BARRD ROCKS win at seven shows this season. Best eggs, \$3.00; others \$2.00 per 15. Superb cockerels, \$5.00. Circular. H. A. Conant, Port Chester, N. Y. 4-6-5

PLYMOUTH ROCKS—BUFF

NORTH'S BUFF ROCKS. Exhibition and breeding stock for sale. Eggs in season. Circular free showing winnings, etc. D. P. North, Waverly, N. Y. 6-6-5

BUFF ROCKS at Hagerstown won five entries 3 cock, 1 cockerel 2, 5 pullet. Stock and eggs. Joseph H. Hertz, Hanover, Pa. 3-3-5

PLYMOUTH ROCKS—PARTRIDGE

AMERICA'S CHAMPION PARTRIDGE ROCKS. See our ad on page 341. 1f

PARTRIDGE ROCKS. Winners at Forest City, Youngstown and Struthers. Cockerels cheap. Eggs 10 cents each. A. H. Goff, Farmdale, Ohio. 3-3-5

PHILLIPS' PARTRIDGE ROCKS. Winners silver cup for best display, Greater Buffalo Show, 1914. Send for complete winnings and mating list. J. F. Phillips, 140 Merriman, Buffalo, N. Y. 3-4-5

CHILDS PARTRIDGE ROCKS, the fowl for the farmer, city man and fancier. Won every first prize competed for this season. Special bargains now. Send for mating list. Samuel Childs, McKeesport, Pa. 3-4-5

PARTRIDGE ROCKS. Noftzger Strain. High scoring stock. Fine cockerels, \$2 and \$5. Eggs, \$2 and \$2.50 for 15. Arvel Landes, Lintner, Ill. 1-3-5

PLYMOUTH ROCKS—WHITE

WHITE PLYMOUTH ROCK breeders should secure a copy of the new Plymouth Rock Book, just out. Invaluable for beginners or experienced breeders. Edited by Wm. C. Denny. One dollar will bring a copy postpaid. Address, AMERICAN POULTRY WORLD, Buffalo, N. Y. 1f

WRITE REEVES for WHITE ROCKS. Prize winners, but no high prices. 635 Bradley St., Watertown, New York. 1f

We have Fishel's strain WHITE PLYMOUTH ROCKS and Tecktonius strain Buff Leghorns, direct. Stock and eggs for sale. Eggs \$2.50 per 15. A nice lot of Leghorn cockerels for sale. Appomattox Poultry Farm, Appomattox, Va., 3-3-5

WHITE ROCKS OF QUALITY, we have them. Owen Farms' Strain. Write for mating list. G. C. Mason, Walden, N. Y. 2-4-5

BOSTON WINNERS, 1915. 3rd pen, 2nd cockerel, 15 eggs, \$5.00; 15 utility, \$1.00. Fred Marshall, South Hanover, Mass. 1-3-5

EGGS FOR HATCHING from high class White Plymouth Rocks. Winners wherever shown. \$5 per 12, \$3 per 24. Satisfaction guaranteed. Write Benjamin Schofield, Firtbeliffe Poultry Yards, Firtbeliffe, N. Y. 3-5-5

SNOW WHITE PLYMOUTH ROCKS. Fishel strain direct. Eggs, \$1.00 per 15, \$5.00 per hundred. Also baby chicks. F. T. Baker, Ransomville, N. Y. 3-5-5

RHODE ISLAND REDS

EVERETTS SINGLE COMB REDS are winners at Allentown, Philadelphia, Buffalo and New York State Fair. Some choice cockerels. Eggs in season. C. W. Everett, Waverly, N. Y. 3-3-5

DUTTON'S NIAGARA REDS. Win many prizes at Buffalo. Made a clean sweep at the State Club meet at Auburn, N. Y., State cup for best display, cup for best female in show. Cockerels and pullets for sale. Bargain prices. E. M. Dutton, Newfane, N. Y. 3-3-5

SINGLE COMB R. I. RED cockerels. True to color, strong in limb and frame. Bred for 1 years \$2.50 to \$3 each. C. E. Linken, Canandaigua, N. Y. 3-3-5

ROSE AND SINGLE COMB R. I. REDS. Large, vigorous birds, bred to lay. Eggs, \$6 and \$8 per 100. Circular. F. R. Brownell, Little Compton, R. I. 3-4-5

SINGLE COMB REDS OF QUALITY; "Old Acres" and "Carver's" prize winning strains. Eggs, \$1.50, \$3 and \$5 setting, guaranteed 75% fertile. Mann's No. 7 Green Bone Cutter in good condition, \$7.50. W. F. Hessert, 36 Harvard Ave., Collingswood, N. J. 3-4-5

ORIOLE POULTRY FARM ROSE COMB REDS EXCLUSIVELY. Send for free descriptive circular. Eggs from utility stock, 15 for \$1.00; 100 for \$4.00. J. D. Keefer, Millersburg, Pa. 3-4-5

FOR BETTER TYPE, SIZE AND COLOR, get hatching eggs from our strong, healthy, vigorous Single Comb Reds of prize winning blood. Prices reasonable. Sunset Reds, Box C, Churchville, N. Y. 4-5-5

WANTED QUICK THE NAMES OF PARTIES wishing to purchase Single Comb Rhode Island Reds that are healthy, good vigorous birds and cheap. Satisfaction guaranteed. J. W. Brinser, Box 3, South Richmond, Va. 3-4-5

RELYEA'S PRIZE WINNING STRAIN OF ROSE AND SINGLE COMB R. I. REDS. Eggs from our best matings. \$2 per 15; \$5 per 45. Sunny Bank Poultry Farm, Oneonta, N. Y. 3-4-5

PRIZE WINNING R. C. REDS. Eight prizes, Youngstown, 1914. Some good cockerels. Eggs, \$1.50 and \$2.00. Fred J. Collins, Republic Bldg., Youngstown, Ohio. 3-4-5

SINGLE COMB RHODE ISLAND REDS. Eggs for hatching, \$1.50 per 15, \$8 per 100. Mrs. Elmer Fogselsoner, Elba, Lapeer Co., Mich. 3-5-5

S. C. REDS. Large, vigorous birds, bred to lay, eggs \$1.00 per 15, \$4.50 per 100. Chix, 10 cents each. Model Poultry Farm, Lockawaxen, Pa. 3-5-5

SINGLE COMB R. I. REDS. Eggs for hatching, \$1, \$2 and \$3 per 15. Kampe and Kampe, Surry, N. H. 1-3-5

ONE DOLLAR SETTINGS. S. C. Reds. "Crowther's Strain", noted winners. Clarence B. Utter, Sayre, Pa. 1-3-5

EGGS FOR SALE from Rose Comb Rhode Island Red prize winners at Columbus, Ohio; Greenville, Ohio, and Muncie, Ind. Write for my low prices. Philip Fortman, New Weston, Ohio. 1-3-5

"TOMPKINS" SINGLE COMB REDS, bred to lay, Washington winnings, three firsts, 2nd, 4th color special. Extra heavy layers. Fertility guaranteed. Eggs from all pens, \$2-15, \$8-100. Circular free. Chas. S. Moore, Station A., Washington, D. C. 3-3-5

S. C. REDS. A strain of truly great layers. Carefully bred for eggs, vigor, type. Chicks, \$15.00 per hundred. J. R. Crocker, Supt., Andover Theo. Seminary, Cambridge, Mass. 1-3-5

ALMY AND TOMPKINS R. C. REDS, heavy laying blue ribbon winners. Eggs, \$2.00 per 15. Cockerels, \$2.00 up. Nicholls Poultry Yards, East Norwalk, Conn. 4-6-5

WHITE'S SINGLE COMB R. I. REDS of quality laying and winning strain cockerels, two dollars up. Eggs two dollars per 15. Geo. M. White, Cairo, N. Y. 4-6-5

RARITAN REDS. A fancier's flock. Vigorous, rich, glowing. Red birds. Winners and layers. Mating list free. H. D. Bixby, 1250 84th St., Brooklyn, N. Y. 4-6-5

SPANISH—BLACK

BLACK SPANISH EGGS from my blue ribbon winners. \$3.00 and \$5.00 per 15. Satisfaction guaranteed. E. F. Alden, Winnetka, Ill. 1-3-5

SUSSEX

RED SUSSEX EXCLUSIVELY. The best poultry and winter layers. Our imported Reds won all "blues" at Boston, 1914. Egg orders prepaid. Free booklet. Quimby & Brown, Ipswich, Mass. 3-3-5

BENSON'S BLUE RIBBON STRAIN Red and Speckled Sussex are different. Noted winners and heavy layers. Special sale, trios \$15. Eggs \$3. Catalogue free. E. M. Benson, Box H, Washta, Iowa. 1-3-5

SPECKLED SUSSEX. Choice stock reasonable. Eggs. Rev. W. Berberich, Groton, N. Y. 3-4-5

TURKEYS

AMERICA'S CHAMPION GIANT BRONZE TURKEYS. See our ad on page 341.

WHITE HOLLAND TURKEYS. From good laying strain, farm raised. Mae Whitbeck, Montague, Mich. "Two Pines". 3-3-5

YODER'S BRONZE TURKEYS. Bred from the very best and greatest prize winning strains in America. S. M. Yoder, Elk Lick, Pa., Box E. 3-3-5

FINE LARGE choice White Holland Turkeys. Samuel Millikin, Brookville, Ohio. 1-3-5

WYANDOTTES—BLACK

FOR SALE—50 bead Black Wyandottes, winners at Hagerstown, Buffalo, Chicago, New York and Boston. F. C. Sites, North Dover, Ohio. 3-4-5

WYANDOTTES—BUFF

EGGS from my prize winning Buff Wyandottes, \$2 a setting. L. Box 1022, J. F. Kniffin, Waterloo, N. Y. 3-4-5

PISER'S FAMOUS BUFF WYANDOTTES. Eggs for hatching, \$3.50 and \$5.00; males, \$3.50 to \$20; females, \$2.00 to \$10.00. L. C. Piser & Son, Box A, Shushan, N. Y. 4-6-5

WYANDOTTES—COLUMBIAN

COLUMBIAN WYANDOTTES KREIDER STRAIN. The favorite bird. Hatching eggs for sale 15 for \$1.25. J. Bortz, Pine Grove, Pa. 3-3-5

COLUMBIAN WYANDOTTE EGGS, \$2.00 per fifteen from all prize matings. Winners all firsts and 2nds Michigan Breeders Roundup Show, Detroit, January, 1915, and Michigan State Fair 1914; bred for heavy egg production. Send for mating list. I guarantee fertility. A. Schaack, 605 Robns Ave., Detroit, Mich. 3-3-5

COLUMBIAN WYANDOTTES. Palace, State Fair, Utica, Albany, Rochester and Oneida winners. Eggs, \$3 per fifteen, \$5 per thirty. Great layers. A. G. Warner, Whitesboro, N. Y. 4-6-5

COLUMBIAN WYANDOTTES. Do you want the best? My birds have won at Madison Square Garden, Grand Central Palace, New York State Fair, and Albany. Eggs from extra good utility matings \$2 per 15. Exhibition matings, \$3 and up. J. T. Lohnes, Valley Falls, N. Y. 4-6-5

"ORLEANS" COLUMBIAN WYANDOTTES, winners at great Rochester Show, 1915. Stock and eggs; information and prices upon request. Orleans County Farm, Albion, N. Y. 3-4-5

COLUMBIAN WYANDOTTES. Blue ribbon winners. High class laying strain. Won Kingston, Oneida and Albany this season. Eggs, \$3 setting. Harry W. Daniels, Rotterdam Jct., N. Y. 4-6-5

WYANDOTTES—GOLDEN.

GOLDEN WYANDOTTES. Winners four years in succession at Pittsburgh Expo. Show. 1915 winnings—1st cockerel, 2nd cock, 1st and 3rd hens, 1st and 3rd pullets, 1st young pen. A few breeding and utility cocks and cockerels for sale. Eggs, \$3.00 and \$5.00 for 15. Edmund G. Linton, Worthington, Armstrong Co., Pa. 3-5-5

FLETCHER'S GOLDEN WYANDOTTES. America's best strain of America's best beauty and utility breed. Heavy winter layers. Blue ribbon winners at the big shows, Madison Square Garden, Grand Central Palace, Baltimore, Buffalo, Pittsburgh, Philadelphia, etc. For past two years (including 1915) my Golden have made practically clean sweeps at Madison Square—the greatest of all poultry shows. Stock for sale. Eggs from selected Champion matings, \$10 per fifteen—limited. Eggs from exhibition matings, \$5. Stock sold on approval. Fertility of eggs guaranteed. Free illustrated catalog. Albert Fletcher, Jr., Drawer P. W., Warrentown, Va. 4-6-5

WYANDOTTES—PARTRIDGE.

PARTRIDGE WYANDOTTES. Two fine pens containing my prize winners. Eggs, \$2.00 per 15. Send for mating list. L. O. Slough, Reading, Mich. 2-4-5

WYANDOTTES—WHITE

FIRST PRIZE WHITE WYANDOTTE cocks, hens, pullets and cockerels for sale. Arwin Miller, McKeesport, Pa. 3-3-5

REGAL WHITE WYANDOTTE COCKERELS, \$5.00 each. Eggs direct from Martin Sensation and Snow King. W. E. Torrey, Cornwall, N. Y. 1-3-5

RAYMOND'S WHITE WYANDOTTES. Bred from the best strains in the world, Martin, Fishel and Candee. 20 cockerels for sale, \$2 each. Eggs from choice matings, \$2 for 15. Fred Raymond, Port Sanilac Mich. 3-4-5

WHITE WYANDOTTES, BLUE RIBBON WINNERS this season Buffalo and Rochester. Shape and color, special state meet. Fifteen eggs, three dollars. Fred Simmons, Waverly, N. Y. 3-4-5

**WHITE WYANDOTTES.** Unexcelled layers. Philadelphia winners. Specialist fourteen years. Circular explains. A. S. Harle, Washington, N. J. 3-4-5

**WINTER LAYING.** White Wyandottes, Regal Dorcas Strain Pittsburgh Exposition winners eggs from prize matings, \$5.00, \$10.00 per 15, other matings, \$2.00 per 15; \$10.00 per 100. Booklet free. F. W. Donaldson, Box D, West Alexander, Pa. 3-4-5

**REGAL WHITE WYANDOTTES** and Dune Alpin White Leghorns. Prize winners. Eggs, \$2 and \$3 per fifteen. Kellis Lake Farm, Bridgehampton, N. Y. 1-3-5

**WHITE WYANDOTTES** best hatching eggs, \$1.50 for 15. Hairy Lebengood, Cressona, Pa. 2-4-5

**SNOW DROP WHITE WYANDOTTES.** Settings from grand matings \$1.50; 100, \$5.00. M. Huggett, Bellevue, Mich. 3-5-5

**WHITE WYANDOTTE EGGS** from first prize winners \$2.00 per 15. Stock for sale. Roy M. McCombs, Venetia, Pa. 3-5-5

**SEVERAL BREEDS**

**FOR FALL FAIRS** in pairs or in car load in each variety of Geese and Ducks and many varieties of poultry, for price and information, write Wood & Freeman, Fitchburg, Mass. 12-3-5

**BLACK ORPINGTONS and COLUMBIAN WYANDOTTES.** Young and old stock. Prices reasonable. First prize winners at Rochester, Syracuse and Auburn. Willard S. Foster, Moravia, N. Y. 3-3-5

**S. C. WHITE LEGHORNS and S. C. REDS** bred from heavy laying strains. Baby chicks and hatching eggs at reasonable prices. Book your order early and assure prompt delivery. Pettit Bros., Wilson, N. Y. 4-4-5

**1914 MASSACHUSETTS STATE SHOW,** Springfield, won 1st cockerel, 4th pullet White Rocks, 1st cockerel White Orpingtons; 1914 Brockton Fair, 5 ribbons, \$6; choice cockerels, \$3; eggs, \$2 per 15; "Rats' Death" 25c. Joseph Demenkow, Holbrook, Mass. 3-4-5

**EGGS 15, \$1.00; 40, \$2.00.** Thoroughbred Brahmas, Rocks, Wyandottes, Reds, Leghorns, Hamburgs, 19 varieties. Houdans, White Orpingtons, 13, \$1.00; 30, \$2.00. Catalogue. 34 years' experience. S. K. Mohr, Coopersburg, Pa. 4-5-5

**S. C. BLACK MINORCA,** Columbian Wyandottes and White Runner Duck eggs, \$1.50 per 15. C. M. Wilkinson, Berkshire, N. Y. 3-4-5

**HATCHING EGGS FOR SALE** from Black Langshans, R. C. Minorcas, S. C. B. Minorcas, R. C. B. Leghorns, S. C. Buff Leghorns, \$2 to \$3 per setting. Horton R. Gillen, Fair Oaks, N. Y. 3-5-5

**EGGS:** Bared Plymouth Rocks, Anconas, Single Comb Buff and Black Orpingtons, Rose Comb Black Minorcas, \$1.25-1.50; \$2.00-3.00; \$5.00-10.00; Silver Gray Dorkings \$1.50-1.50; \$2.50-3.00; \$6.50-10.00. Chicks. Catalogue. Moses Cummings, Maryland, N. Y. 3-5-5

**PRIZE WINNING** White Rocks, Houdans, Rose Comb Brown Leghorns and Partridge Cochins eggs, only \$1.00 per 15. Satisfaction. E. F. Boyson, Rome, N. Y. 3-5-5

**BABY CHICKS**

**BABY CHICKS.** Hatching eggs, choice breeding stock. Wyckoff-Blanchard White Leghorns, 25 years with these strains. Fill largest orders guaranteed. Sure of orders if you write for particulars. Free circular. C. N. Reynolds, Canton, Pa. 6-6-5

**CHICKS. BULLY GOOD WHITE LEGHORNS,** properly hatched. March, \$15 per 100, April, \$13, \$12; May, \$11; June, \$10. Safe delivery guaranteed. Circular. George Phillips, R. 17, Seymour, Conn. 3-4-5

**GRAND UTILITY BABY CHICKS AND EGGS.** White and Brown Leghorns and R. I. Reds. Best stock. Lowest prices. Circular. DeNeef and Goetzman, Sodus, N. Y. 3-4-5

**BABY CHIX.** From winning strains of White Leghorns, Orpingtons and Wyandottes. Prices reasonable. Book orders. Venture Poultry Farm, Middletown, N. Y. 3-4-5

**BABY CHICKS SINGLE COMB WHITE LEGHORNS** from matured farm raised, heavy laying stock, the kind that live and grow into profit payers. Any quantity at \$10 per 100; smaller lots, 12 cents each. Woods Lane Hatchery, Leaman Place, Pa. 3-4-5

**VITALITY BABY CHICKS** from bred to lay yearling hens. White Leghorns, Barred Rocks and Rhode Island Reds. \$8 per 100 and up. Our Leghorn pullets averaged 165 eggs per year. Catalogue. Hillcrest Poultry Farm, Box 179, Chili, N. Y. 3-5-5

**VITALITY BABY CHICKS,** eggs that hatch from Single Comb White Leghorns of quality, fed, housed and managed to promote stamina. Stock. Satisfaction guaranteed. Circular. Winans & Coffin, Stanfordsville, N. Y. 3-4-5

**BABY CHICKS.** Ringlet strain Barred Rocks, 15 cents each. Safe arrival guaranteed. We have the goods. Cockerels for sale. J. Trout, Unadilla, N. Y. 1-3-5

**DOGS**

**FOR SALE**—Thoroughbred Collie pups. W. L. Saron, Belvidere, N. J. 3-3-5

**PRINTING FOR POULTRYMEN**

**GET OUR PRICES** before placing your order for printing. We print artistic letter heads, cards, envelopes, booklets, circulars, etc. Full line of up-to-date illustrations. Write today for samples and prices. AMERICAN POULTRY WORLD, 158 Pearl St., Buffalo, N. Y.

**POULTRYMEN'S PRINTING** prepaid. 125 noteheads, 125 envelopes, \$1.00. Noteheads, envelopes, cards, tags, labels 100 either 50c; 250-85c; 500-\$1.40; 1000 \$2.40. Circulars, linen finish letterheads, everything. Stamp brings samples. Model Printing Co., Manchester, Iowa. 6-6-5

**AGENTS WANTED**

**WANTED**—A representative in every town in the United States. Employ your spare time profitably. For full particulars address AMERICAN POULTRY WORLD, Buffalo, N. Y.

**WILL PAY RELIABLE MAN OR WOMAN** \$12.50 to distribute 100 FREE packages Perfumed Borax Soap Powder among friends. No money required. Ward & Company, 224 Institute Pl., Chicago, Ill. 6-6-5

**POSITION WANTED**

**SINGLE MAN EXPERIENCED** as assistant poultryman wishes position with successful plant with opportunity to learn. Best of references as to ability and character. Address Aug. Grominger, 350 Germania Ave., Jersey City, N. J. 1-3-5

**MISCELLANEOUS**

**MAGIC EGG TESTER** tells hatchable eggs before incubating. 1 year trial guarantee. Big free catalogue. K. K. Welday, Seville, Ohio. 3-4-5

**TYPEWRITERS, \$35.** Washing machines. (Month trial. Easy payments). Poultry Houses. Auto Garages. Erie Miscellaneous Co., Erie, Pa. 3-5-5

**AKRON PLASTER BOARD.** The finest interior finish for poultry houses. Warm, Neat, Comfortable, Cheap. Easily put on. Makes a splendid colony or brooder house. Insects easily kept out where Akron Plaster Board is used. Send for circulars. Akron Plaster Board Co., Inc., Akron, N. Y.

**THE BELGIAN HARE GUIDE**—This is acknowledged to be the best and most reliable book out on the Belgian Hare industry. It contains complete and practical information on the following and many other subjects: History and Origin; The Belgian Hare for Utility; The Belgian Hare for Fancy; The Business and its Outlook; How to Begin; Houses and Hutches; Foods and Feeding; Feeding Green Stuff; Mating and Breeding; Care of the Young; Pedigrees; Score Cards and Judging; Belgian Hare Color; Dressing and Cooking; Diseases and Remedies; Preparing for Exhibition; Crating and Shipping; Caponing; Queries and Answers; Miscellany; Belgian Hares vs. Poultry; The Belgian in England; The Belgian in California; Black Belgians and Flemish Giants. This book contains 48 pages and cover, is elegantly printed on good paper, illustrated with many beautiful photo-engravings and is substantially bound. Price only 25 cts. Or with the AMERICAN POULTRY WORLD one year, both 65 cts. Address AMERICAN POULTRY WORLD, 158 Pearl St., Buffalo, N. Y.

**EVERY BREEDER OF BUFF ROCKS** should procure a copy of the new Plymouth Rock Book, the most valuable breed book ever published. Profusely illustrated, contributed to by leading breeders, edited by Wm. C. Denny, 144 pages. Price \$1.00 postpaid. Address AMERICAN POULTRY WORLD, Buffalo, N. Y. 6-6-5

**ALL BREEDERS** of Bantams should procure a copy of the "Bantam Book". Fully describes all varieties and tells how to feed and care for them. Just what the beginner wants to know. Send 50c. today to AMERICAN POULTRY PUBLISHING CO., Buffalo, N. Y. 6-6-5

**BUFF ORPINGTON BREEDERS ATTENTION.** For the origin and history of your favorite variety, read the new Orpington Book. It also tells you how to correctly mate and breed them. 80 pages, 8 1/2 x 11 1/2. Price 75 cents postpaid. AMERICAN POULTRY WORLD, Buffalo, N. Y. 6-6-5

**JUST OUT**—The new Plymouth Rock Book. The most complete work on all varieties of Plymouth Rocks ever published, contains 144 pages, 3 color plates and many half-tone illustrations. Tells how to mate, breed and exhibit all varieties of this popular fowl. Edited by Wm. C. Denny, price \$1.00 postpaid. Address, AMERICAN POULTRY WORLD, Buffalo, N. Y. 6-6-5

**PROPER FEEDING OF BABY CHICKS**

Proper feeding is the greatest factor in raising baby chicks. Fully two-thirds of the chicks which now die could be saved if greater feeding care were observed. The losses should not exceed more than four or five in a hundred. Such success is attained only by feeding a partially predigested food, not the finely cracked raw grain usually sold as baby chick food.

These are the conclusions reached as the result of rather extensive investigation by the Pratt Food Company's Experiment Station. That losses frequently run as high as 50 in a hundred seems rather staggering, but it is hardly open to dispute. That they can nearly all be prevented by proper feeding is the hopeful note that the message brings at the beginning of a new hatching season.

The data were compiled from reports received from a large number of poultrymen, some of whom hatch baby chicks by the tens of thousands; others just a brood or two. The unlooked for thing is that the losses run about the same in both classes, although one would rather expect the smaller yard to make the better showing owing to the fact that it would ordinarily receive closer personal attention. This being true, the importance of correct feeding in raising baby chicks becomes conclusively proved. The statement is also made that proper feeding gives the chick with only moderate vitality when hatched a chance to grow and become a satisfactory money earner. Raw grains, which finely cracked are the usual chick food, the Station finds to be one of the common causes of feeding troubles.

This investigation agrees with the conclusion reached a few years ago when feeding experiments with a partly predigested ration were begun at that Station.

Any objection that might be offered to a heat treated food as "unnatural" is quickly disposed of when it is explained that such foods come nearer from a physical standpoint to the natural food that a hen would supply than do the cracked raw grains formerly used.

Not only here but on many other poultry farms, this method of feeding partially predigested foods was given a thorough test and thousands of letters commending the food have been received. The reports showed in many instances that every chick was raised, while in none did the losses run over five in one hundred. The average was less than three.

So great has been the success of this partially predigested "baby food for baby chicks" that the Poultry Experts of the Experiment Station now supervise the preparation of Pratt's Baby Chick Food at the laboratory of the Pratt Food Co. of Philadelphia.

Regarding the cost of this food (which by the way is a complete food for the first three weeks, nothing else being given except grit and a little scratch food to induce exercise), the Station says that it is not expensive, averaging less than one cent per chick for three weeks. When one considers the great saving in chick life, it is apparent that Pratt's Baby Chick Food not only pays for itself but splendid interest besides.

Persons wanting to know more of about this ration should write the Pratt Food Co., of Philadelphia for their new baby chick and poultry books, which give many additional facts about it and about the successful feeding and raising of poultry.

**WIN AT THE BATAVIA SHOW**

T. A. Sprung, proprietor of the Pavilion Poultry Yards, Pavilion, N. Y., made a fine record at the Batavia, N. Y., show in January. In a fine class of Barred Rocks he won 1st pullet bred pen, 1-4 cock, 1-2 pullet bred cock, 1 hen and 2 cockerel bred hen. He was also successful in the White Rock class and was awarded 1st hen, 4th cock and 5th cockerel; also first Golden Wyandotte hen, first R. C. Brown Leghorn hen and first cockerel. In addition to the above Mr. Sprung was awarded the \$35 cash special for exhibitor winning most points. Embden and Toulouse Geese and Bronze Turkeys are also bred by Mr. Sprung and he can usually supply select stock of either variety.

Lone Oak Poultry Yards, E. B. Peck, 21 Chestnut St., Batavia, N. Y., was another successful exhibitor. Mr. Peck breeds White Wyandottes and Anconas and won 1-2 cockerel, 2-3 hen, 5 cock, special for best male and special for best female on the former, and 1-2 hen, 1 cockerel, 1-2 pullet on the latter. Both of the above exhibits were of fine quality and readers of A. P. W. who desire stock of the above varieties can make no mistake in placing their orders with these breeders.

**NIAGARADOT MATING LIST**

An attractive and interesting mating list is the one issued by Marshall & Marshall, Niagara Falls, Canada, breeders of the noted Niagaradot White Wyandottes. The Messrs. Marshall advise that they have been able to select the best pens they ever put together. All of their 1914 winners are in these matings, every one of which is headed by an exceptionally fine male. They look for even better results in quality birds than were produced the past season, which is setting a very high mark. But, judging from past performances, these breeders are equal to the task as each season has seen their birds more and more in the winnings, which indicates steady improvement and careful selection of breeding stock. Any reader interested in White Wyandottes should send for a copy of this new mating list. It is sent free to all who mention A. P. W.



**EVERY BREEDER OF ROSE AND SINGLE COMB** Rhode Island Reds should read the new Rhode Island Red Book, just out. Gives complete history of this popular variety. Tells how to mate and breed for best results. Edited by D. E. Hale. Fully illustrated. A standard for Red Breeders. Price per copy 75 cents, postpaid. Address AMERICAN POULTRY WORLD, Buffalo, N. Y. tf

**THE NEW EDITION OF DUCKS AND GESE** should be in the hands of every breeder of water fowl. Contains the origin of the Ducks. Describes the different Standard varieties. Tells about the wonderful Duck Industry on Long Island and abroad. 104 pages, 8 1-2 x 11 1-2. Price 75 cents. AMERICAN POULTRY WORLD, Buffalo, N. Y. tf

**ALL BREEDERS** of Buff Leghorns should send today for a copy of the new Book "The Leghorns", the last word on this popular fowl. Contains beautiful plate of Buffs in natural colors. 144 pages, profusely illustrated. Send \$1.00 today for copy. May be returned if not as represented. AMERICAN POULTRY WORLD, Buffalo, N. Y. tf

"**MINORCAS OF EVERY COMB AND COLOR**" is the title of the very latest book on this breed. The author is George H. Northup, known far and wide as one of the foremost breeders and judges of the country. This well written, well illustrated book, by one of the greatest authorities, will prove valuable and instructive to all lovers of Minorcas. This book contains 160 pages and has a chapter on each of the following subjects: History of Minorcas; Hardiness of Black Minorcas; Description of Single Comb Black Minorcas the Minorca as a General Purpose Fowl; Origin of Rose Comb Black Minorcas; Progress of Rose Comb Black Minorcas; the comparative value of Rose and Single Comb Black Minorcas; How to Select and Mate Minorcas; the time of year to hatch Minorcas; Hatching and Rearing Minorca Chicks; Influence of Color Breeding on Color of Eggs; Color and Development of Color in Black Minorcas; Fitting Minorcas for the Show Room; History of Single Comb White Minorcas, Rose Comb, White Minorcas, Buff Minorcas, Mottled Minorcas and Banded Minorcas. Mailed, postage prepaid, on receipt of price, 50 cents. AMERICAN POULTRY WORLD, Buffalo, N. Y. tf

**NEW TURKEY BOOK.** Describes all varieties, tells how to mate, care for and rear, gives full instructions for exhibiting and judging. Contains full page illustrations of Bronze Turkeys in natural colors, also many other instructive and interesting illustrations. Price \$1.00 postpaid. Address AMERICAN POULTRY WORLD, Buffalo, N. Y. tf

**CHANGE IN OWNERSHIP OF ONDAWA FARM**

Lewis T. McLean, who established, and has for many years carried on successfully, the business of breeding Single Comb White Leghorn poultry at "Ondawa Farm", near Shushan, Washington County, N. Y., has disposed of his extensive plant and stock of birds to Malcolm R. Ingraham of Albany, N. Y., who has already taken possession of the property and is continuing the business there.

Mr. Ingraham is a man of energy and enthusiasm, and being possessed of ample means, is well equipped for pushing and enlarging the business established by Mr. McLean. This change of ownership, however, does not mean a change in the practice or policy which has heretofore characterized the business carried on at Ondawa Farm; in fact, it is little more than a change of names in ownership, as Mr. Ingraham retains Mr. McLean as his business manager.

The significance of the change will be found more especially in an enlargement of the plant and the extension of the business, as contemplated by Mr. Ingraham, in which his capital will be combined with Mr. McLean's ripe experience and extensive acquaintanceship amongst poultry breeders and fanciers throughout the country. This combination should prove to be of great advantage, not only to these gentlemen but to all patrons of Ondawa Farm. It is Mr. Ingraham's avowed intention to maintain the high reputation which Ondawa Farm stock has achieved and to add to it by enlarging the field of operations and the facilities for supplying the wants of customers in his particular line.

**A CORRECTION**

Through an error, in the February advertisement of L. H. Perry, Clay, N. Y., S. C. White Leghorns are advertised when it should have been R. C. White Leghorns. In calling our attention to the error he states that he has bred R. C. Whites for thirteen years and has exhibited them at 43 large shows, including Hagerstown, Hartford, Brockton, New York and Ohio State fairs and many other shows of importance and has never failed to win his share of the prizes.

During the past season Mr. Perry exhibited at Williamsport, Rochester and Vermont State shows and at all three places won special for best shaped male and this on a different bird at each show, which shows how true to type were Mr. Perry's strain. We are advised that he still has a grand lot of breeding stock on hand and is also offering eggs at extremely low prices. If interested, it will be appreciated if A. P. W. is mentioned when writing.

**THE ALBANY SHOW**

The fifth annual exhibition of the Fort Orange Poultry, Kennel and Pet Stock Association, held at Albany, N. Y., in the State Armory, January 21-23, inclusive, was one of the most successful in the history of the association. The list of judges contained such well known arbiters as J. W. Andrews, Haldie Nicholson, George Burgott, C. E. Roekenstyre, I. D. Whitmyer and Allen F. Hill, Jr.

There was a fair representation of all varieties and particularly strong classes of White, Buff and Columbian Wyandottes, Rhode Island Reds and S. C. White Leghorns. The White and Buff Wyandotte classes were not only large but contained some remarkable quality. The former numbered sixty singles and fifteen pens, while the latter numbered fifty-eight singles and seventeen pens. Fernbrook Farms was a good winner in the White classes, carrying off first and fourth cock, first hen, first and second cockerel, first, second and fifth pullet and first and second pen in both old and young. Secretary A. J. Gies also annexed several places in this class and then came back strong in the Buffs by winning five of the six first places.

The battle in Buff Rocks was principally between Fred Armer and Edgewood Farm, with the former getting a shade the better of the argument. Jas. T. Lohnes had decidedly the best of things in the Columbian Wyandotte class. In S. C. Rhode Island Reds the honors were pretty well split up, Wyebrook Farm, China Hanchett, A. S. Bailey and Mrs. W. L. Cabine being the principal winners.

The veteran, Chas. L. Seeley, made a beautiful display of his favorites, the White Crested Black Polish, and of course carried off everything in sight. While Mr. Seeley is rapidly approaching the age of four score he is still active and takes a deep interest in poultry affairs and appears to get as much pleasure as the younger generation out of preparing and exhibiting the birds.

There was a good display of waterfowl and a good showing of pigeons. The officers of the association are a royal lot fanciers and appear to take great pleasure in giving a successful show annually. They are business men in every sense of the word and treat the show more as a fancier than a commercial proposition. They are all ready planning for the sixth annual event and extend a hearty invitation to all to show in Albany next winter. The secretary, A. J. Gies, Delmar, N. Y., will be glad to supply information to all interested.

**BRUCECROFT INVINCIBLES**

The Brucecroft Poultry Farm, Lynbrook, L. I., N. Y., have gone into the Orpington business extensively and have recently issued an attractive catalogue, describing their four varieties, the Buffs, White, Blues and Blacks. Their birds are known under the strain name of Brucecroft Invincibles. The proprietors of this farm do not claim to have all the world's champions, nothing of the sort. What they do claim is that their birds, individually, and as a flock, will compare favorably with any farm in the country and that their prices are one-half what others are charging for the same quality. An invitation is extended every one to visit Brucecroft and judge for themselves the quality of Brucecroft offerings. Full information as to how to reach the farm, together with complete information as to prices of stock and eggs are given in the catalogue that will be sent free to all readers of A. P. W.

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

**SPECIAL COMBINATION OFFER**

**American Poultry World**

and any other paper in this list for

**75 Cents**

or any two papers in this list for only

**\$1.00**

We offer you your own selection from the **16 Largest and Best Exclusive Poultry Magazines in the World**, and covering every particular section of the United States.

**Money Saved is Money Earned.** We can send you American Poultry World and any four for \$1.50, any six for \$2.00.

- Poultry Keeper Illinois
- Western Poultry Journal Iowa
- Michigan Poultry Fancier Michigan
- American Poultry Advocate New York
- Poultry Culture Kansas
- Poultry Herald Minnesota
- Poultry Item Pennsylvania
- Poultry Success Ohio
- Industrious Hen Tennessee
- Reliable Poultry Journal Illinois
- Southern Poultry Magazine Tennessee
- Southern Poultry Journal Texas
- Union Poultry Journal Arkansas
- Western Poultry World Colorado
- O. K. Poultry Journal Oklahoma

Remit by Express, P. O. Money Order, Bank Draft, Registered Letter or Two Cent Stamps.

**American Poultry World**

158 Pearl Street, BUFFALO, N. Y.

# INDEX TO ADVERTISERS

Abernethy, James.....	377	Horseshoe Poultry Yards.....	367	Rockford Incubator Co.....	375
Aldrich Poultry Farm.....	364	Houck & Alt.....	365	Rocky Run Farms.....	349
Almy, F. W. C.....	371	Houston & Hofius.....	363	Rose, Hugh A.....	305
Almendinger, A.....	346	Howland, Stewart.....	360	Rosemont Farm.....	363
American Poultry Pub. Co.....	308-310-364-366	Huston, Jas T.....	376-378	Rowan, R. A.....	388
American Poultry Association.....	392	Ives, Paul B.....	357	Rogers, E. B.....	376
American School of Poultry Husbandry.....	390	Incubator Scale Co.....	379	Rusler, H. B. Co.....	387
American Brooder Stove Co.....	378	Jacobus, M. R.....	Cover 3	Sanborn, Dr. N. W.....	346
Apothecaries Hall Co.....	375	Jennings, Wm. O.....	343	Sands Leroy.....	366
Ayres, Levi A.....	347	Johnson, M. M.....	311	Saunders, Sid.....	340
Axford Incubator Co.....	368	Kaufmann & Windheim.....	349	Schenley Heights Poultry Farm.....	360
Baldwin, Wesley.....	379	Keating, J. S.....	387	Seranton, B. N.....	362
Baerman, L. D.....	377	Klein-Lambert.....	392	Sheer, H. M.....	372
Barlow, A. G.....	360	Kulp, W. W.....	381	Sheffield Farm.....	357
Bean, Frank G.....	386	Lee, Geo. H. Co.....	358-362-368	Simplex Brooder Stove Co.....	385
Bean, I. W.....	367	Lisk, F. C.....	359	Slade John.....	387
Belle City Inc. Co.....	310	Little, Geo. W.....	353	Smith, C. Cass.....	375
Bergh, J. S.....	378	Lockwood, A. M.....	380	Spahr, A. G.....	346
Besuden Bros.....	Cover 2	Lone Oak Poultry Yards.....	363	Spiller, A. P.....	379
Bird Bros.....	341	Low, Dr. W. A.....	342	Standard Brooder Stove Co.....	357
Bird, E. D.....	375	Longfield Poultry Farm.....	Cover 2	Stiles, Chas. L.....	383-391
Bishop, A. W.....	378	MacKay Colony Brooder Co.....	312	Sunnybrook Farm.....	360
Blue Ribbon Poultry Farm.....	346	Manhattan Farms.....	Cover 2	Succulenta Co.....	381
Bonnie Brook Poultry Farm.....	Cover 3	Mann Co., F. W.....	388	Sunset Poultry Yards.....	361
Boschen, C. S.....	390	Magic Egg Tester Works.....	360	Taylor, Harry.....	346
Bourne Mfg. Co.....	378	Maplewood Poultry Yards.....	348	Taylor, Jas. H.....	361
Bown, Lew H.....	377	Marshall & Marshall.....	337	Templer, Rev. E. B.....	386
Briggs, Edgar.....	368	Martin, J. S.....	345	Thompson, E. B.....	Cover 4
Brown, E. C. Co.....	383	Martz, A. E. & Son.....	344	Tolman, Jos.....	358
Brucecroft Poultry Yards.....	367	McBride, J. S.....	379	Tiffany, F. A.....	387
Buckeye Incubator Co.....	380-390	McDonough & Bidwell.....	348	Tompkins, Lester.....	388
Buell, Geo. L.....	376	McLean, L. T.....	372	Tracey, Geo. W.....	362-392
Bureau of Mushroom Industry.....	381	McLean, S. G.....	359	Turner, K. M.....	387
Byers, C. S.....	338	McKittrick, R. A.....	363	Turner, Edw. J.....	348
Caines, W. J.....	378	Mathew, L. E.....	349	Turtle Point Farm.....	337
Cadwallader, T.....	391	Mercer Poultry Farm.....	379	Tywacana Poultry Farm.....	382
Candee Incubator Co.....	386-382	Miller, Frank.....	346	Urban Farms.....	390
Castner, F. H.....	367	Miller Mfg. Co.....	393	Van Duzee, E. S.....	367
Chestnut Red Farm.....	357-377	Mirmichi Poultry Farm.....	348-381	Vierbeller Bros.....	378
Cherry Lane Farm Co.....	359	Moore Bros.....	379	Warsaw Cooping Co.....	383
Close to Nature Co.....	348	Morton, S. W.....	365	Wacker, Fred. G.....	388
Cleveland Hatchery.....	360	Mt. Pleasant Farm.....	Cover 2	Wadsworth & Caster.....	359
Cole, Frank E.....	363	Mountsville Farm.....	347	Wahebe Bantam Yards.....	389
Cole, G. N.....	340	Natural Hen Incubator Co.....	381	Ward, J. W., Jr.....	400
Congdon, W. A.....	391	Nescopeck Poultry Farm.....	349	Wayne Poultry Farm.....	373
Conkey, G. E.....	365	Neiman's Poultry Farm.....	371	Webb, Geo. W.....	389
Covert, Harry.....	367	Neubert, R. F.....	383	Wellcome, F. O.....	386
Crandall, O. H.....	392	New England Nurseries.....	365-368	Wheeler, G. L.....	378
Crockford.....	372-375	Noeth, Geo. E.....	Cover 2	White, Geo. W.....	366
Crossley & Sons, J. H.....	378	North-Eastern Brooder Stove Co.....	308	Whyland, A. A.....	383
Cycle Hatcher Co.....	306	Oculum.....	361	Wilburtha Farms.....	340
Cyphers Incubator Co., 350-351-352-353-354-355-375		Ohio Marble Co.....	389	Williams Bros. & Brace.....	364
Davis, Robert & Louise.....	373	Olds Seed Co.....	382	Williams Bros.....	373
Daily, Guy.....	377	Owen Farms.....	369	Wilson Bros.....	368
Dartmoor Yards.....	372	Orr, L. D.....	379	Wisconsin Incubator Co.....	388
Delano, Maurice F.....	369	Orr, Wm. & Sons.....	388	Woodcock, S. A.....	372
Detroit Engine Works.....	367	Orchard Farm.....	357	Woodard, F. E.....	357
Dictograph Farm.....	373	Parks, J. W.....	361	Yant, John W.....	347
Eagle Bay Farm.....	358	Pasteur Laboratories.....	392	Young, D. W.....	374
Essex Robert.....	344	Patteson, W. M.....	381	Zenoleum-Zenner Disinfectant Co.....	393
Evans, Prof. John.....	341	Pavilion Poultry Yards.....	365		
Everlay Farm.....	365	Peer, Thos.....	346		
Everybody's Poultry Journal.....	372	Perry, L. H.....	346		
Fellows, E. B.....	360	Philo, E. R.....	307		
Fernbrook Farm.....	373	Pilling, G. R. & Son.....	389		
Fisher, A.....	357	Pittsfield Poultry Farm.....	309		
Fogg, N. V.....	377	Platt, F. L.....	337		
Freneh, R. T. Co.....	347	Potter Co.....	371		
Genesee Cooping Co.....	389	Poole, Theo.....	388		
Glover, H. Clay.....	386	Prairie State Incubator Co.....	370		
Greider, B. H.....	391	Pratt Food Co.....	383-386-387		
Grove Hill Poultry Yards.....	342	Pratt Co., A. E.....	347		
Halbach, H. W.....	337	Preseott, F. M.....	366		
Hallenbeck, L. M.....	366	Propo Farms.....	375		
Hanchett, China.....	388	Prudhomme, J. H.....	363-376		
Harrison, F. E.....	341	Pruyn, John W.....	348		
Harter, S. H.....	349	Purina Mills.....	356-381		
Hawkins, A. C.....	359	Queen City Incubator Co.....	391		
Havemyer, Horace.....	379	Rawnsley-Shields Poultry Farm.....	Cover 3		
Hayner, H. W.....	373	Raneocas Poultry Farm.....	343		
Hering, Frank.....	Cover 3	Red Feather Farm.....	371		
Heigl's Poultry Farm.....	359	Red Poultry Yards.....	366		
Hendricksen, W. A.....	381	Resseguie, L. B.....	361		
Hess & Clark, Dr.....	313-389	Reliance Incubator Co.....	393		
Hewke, Theo. S.....	377	Riley, C. E.....	377		
Hill, O. L.....	363	Riverdale Poultry Farm.....	366		
Hill, L. V.....	364	Riddell, Andrew.....	362		
H. O. Co.....	364	Rock Creek Poultry Farm.....	373		
Hodgson, E. F.....	389				
Hodgkins Poultry Supply House.....	381				
Homestead Campine Farm.....	372				
Holmwood, Mason H.....	348				

## BOSCHEN WINS AGAIN

C. H. Boschen, Ashland, Va., advises in a recent letter that a class of 164 Barred Rocks were penned at the Norfolk, Va., Show. Mr. Boschen made eight entries, consisting of seven singles and a pen and won first cockerel bred pullet, second cockerel bred hen, third pullet bred cockerel, fourth exhibition pullet, fifth exhibition cock and second pen mated to produce exhibition males. Mr. Boschen has a small announcement on another page and will be pleased to hear from all desirous of obtaining Barred Rocks.

## MATING LIST READY

McDonough & Bidwell, Newark, N. Y., have favored us with a copy of their mating list for 1915. In issuing this list these breeders have gotten away from the small folder or booklet in so common use and have utilized some of their own ideas with the result that they have succeeded in making up an attractive and readable list that goes right to the point. No surplus of adjectives, but just a plain statement of facts in regard to their varieties and matings. It is well printed upon a fine quality enamel paper and, although out of the ordinary in its makeup, it carries conviction. The varieties it is devoted to are Silver and Golden Campines, Black Langshans, White Faverolles. All interested in these varieties should have a copy of this list which will be sent free to all mentioning this paper when writing.

# Ward's Champion Dark Cornish

Sweep the Cornish classes AGAIN at Madison Square Garden, winning 1-3 cock, 1 hen 1-3-5 cockerel, 1-2-3-4-5 pullet, 2-3 pen. Greatest win of the year on Cornish at America's greatest show. WRITE FOR EGGS PRICE LIST.  
JOHN W. WARD, Jr. Box 6, PENNINGTON, N. J.