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THE INDUSTRIOUS HEN

A MONTHLY MAGAZINE
FOR THE
COMMERCIAL AND FANCY POULTRYMAN



"Lady Pearl," granddaughter of "Pearl Boy," a line bred female entered in a pen at the International Egg-laying Contest at Frankfort, Ky. Bred and owned by W. E. Gabhart, Bohon, Ky.

THE INDUSTRIOUS HEN CO.
PUBLISHERS
KNOXVILLE TENNESSEE

STOP! LOOK! LISTEN!

PARTRIDGE WYANDOTTES, the Best in South

I am the only breeder in the South and the second in the United States to win over American, Asiatic and English classes. My birds have never failed to win first where shown. At Asheville, N. C., December, 1910, I won silver cup for the highest scoring cock in show, all classes competing. At Appalachian Exposition I won 1st and 3d pullet, 1st and 3d cockerel, 2d and 3d hen. At Morristown, Tenn., Dec., 1911, in a very large class, I won 1st, 2d and 3d pullet, 1st, 2d and 3d cockerel, 1st and 2d hen, 2d cock and 1st pen. At Asheville, N. C., Dec., 1911, in a class of 103, I won 1st and 4th pullet, 1st hen, 1st cockerel, 1st pen and silver cup for the best hen in the show. Other winnings too numerous to mention. A few nice cockerels for sale for quick buyers. Eggs from above pens, \$3.00 for 15 eggs. Director in National Part. Wyandotte Club. Reference, Unaka Nat. Bank.

R. A. SWADLEY : : Johnson City, Tenn.



GLENVIEW ORPINGTONS

S. C. BUFFS EXCLUSIVELY

After 11 years with this best of all breeds, I am again shipping eggs for hatching at \$2.50 per setting of 15 eggs. This insures your getting some eggs from each of my carefully selected pens without paying fancy prices, and puts high quality chicks within reach of all. Orders promptly attended to, no circulars—\$2.50 per setting of 15.

B. S. HORNE : : : : Keswick, Virginia

EAST END ORPINGTON YARDS

SINGLE COMB WHITE EXCLUSIVELY

To make room for young stock, birds from my breeding pens can now be bought at a very low price. They must go. Better write at once if you want the best at give-away prices. Eggs, \$2.50 per 15, taken from all pens. Send for catalogue—it is free.

Member American White Orpington Club.

JOHN J. HASKELL, East Falls Church, Virginia

QUALITY WHITE WYANDOTTES AT HALF PRICE

We have a few HIGH CLASS EXHIBITION WHITE WYANDOTTES left, and in order to make room we propose to sell them at just exactly HALF PRICE, a \$20.00 bird for \$10.00, a \$10.00 bird for \$5.00, etc. Every bird guaranteed or money refunded. If you want some TOP NOTCHERS write us, we've got them.

MONTE VISTA POULTRY YARDS, C. H. Yates, Proprietor, GREENVILLE, SOUTH CAROLINA

ORPINGTON GROVE

The birds of the GROVE have won many FIRSTS, SECONDS, etc. Also SPECIALS, SILVER CUPS, etc., under the most famous judges in the Poultry World. They have been handled and PLACED by Judges DREVENSTEDT, WITTMAN, DENNY, COOK, MARSHALL and BROWN. EGGS—\$1.00 each, \$10.00 and \$5.00 setting 15. Write for mating list.

MRS. L. L. UPSON : : Box 607, Athens, Georgia

HIGHLAND ROCKS

Winners at Pittsburg, Hagerstown, Baltimore, New Orleans, etc.

White and Barred Rock eggs for Hatching, and day old chicks, choice stock for sale, \$2.00 up; Eggs, \$2.00 for 15; Chicks, \$16.00 per 100.

HIGHLAND FARM 1010 W. Princess St. York, Pa.

Barred PLYMOUTH ROCKS

THE BEST—POPE AND POPE STRAIN.

Eggs \$2.00 and \$3.00 for 15. The male bird that heads my first Pen won First at Morristown show, December, 1911. INDIAN RUNNER DUCK EGGS, \$1.50 for 15.

D. M. BUTTS, Morristown, Tennessee

WHITE ROCKS S. C. White LECHORNS

Prize winners at all the leading shows. WHITE ROCK eggs, \$3.00 for 15; S. C. W. LEGHORN eggs, \$2.00 for 15.

Wm. H. Burch, Box 850-H, Charleston, S. C.

WORLD'S BEST RHODE ISLAND REDS and IMPORTED WHITE INDIAN RUNNER DUCKS

My 1st championship pen of Reds this season is headed by 2nd Madison Square, New York, Cock, January, 1910, and contains 1st Madison Square Pullet, December, 1910, valued at \$10,000.00, also 1st, 2nd, 3rd, 4th and 5th Madison Square pullets, January, 1910. The greatest pen of Reds ever put together. Write for free catalogue.

SOUTHERN POULTRY FARM : Wade Hampton, Prop. : ROGERSVILLE, TENN.

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OCT 17 1914

One Cause of the Poultryman's Failure

By S. W. BACON, Nashville, Tennessee

Poultry Editor Nashville Tennessean

A good many poultrymen think that the end of their advertising season should come with the month of May, but this is a mistake which has caused the failure of more than one concern. The good money that you have expended on "publicity" up to the present time needs backing up throughout the season, and when I say season, I mean the whole year, for with existing conditions as they are, there is no month in the year now that a breeder should not have something to sell, whether it be eggs at half price, surplus breeders or young stock, such as cockerels, all of which are in demand, for there are new breeders starting up every day in the year and their requirements call for stock or eggs or both, as well as incubators, feed, bone mills and the thousand and one things that go together with poultry culture, whether for profit or pleasure.

When you let up on your advertising at this season the buying public usually accept this as your notice of having "quit," and they forget that you ever existed, and the man who continues his advertising gets the business, and deserves it. If there is any doubt in your mind as to the value of continuous, all-the-year-round advertising, just glance through the summer editions of any of the well-known mediums carrying poultry advertising, and ten to one you will always find the large successful fanciers among them. They appreciate the value of this publicity more than you do, and if it did not pay they would not keep everlastingly at it as they do. They realize, too, that they must back up their early expenditure for space or otherwise start all over again the following season.

If you are in the poultry business, raise enough to justify you in going after business or else quit it. There is no half-way in the business. The progressive man gets the trade and the other fellow does the complaining. Right here in our midst we have breeders who have won sufficient premiums at leading shows, both north and south, to entitle them to the trade, but do you find their advertisements running in midsummer? Do you find them at any time using the equivalent amount of space that their winnings would seem to justify? No. They overlook the opportunity to corner the trade in their particular line of birds, sell down so close that they haven't enough breeders left for another season to produce eggs to meet the demand, and repeat this operation year after year. Why they fail to take a lesson from such men as the Fishels, Duston, Miles, Hawkins, Kellerstrass and a score of others equally well known I don't understand, but I do know that they don't

The man in this section who has gumption enough to see a little ahead will appreciate the opportunities that are his for the asking. We need some Fishels and Kellerstrasses here in the south and if we don't get them, eastern and northern breeders will continue to pluck the cream of the business from right under our noses. This old cry of loyalty and patriotism doesn't go in business. It is all right enough to say, keep the money at home and don't patronize the foreign breeders, but if you want to do this you have first got to have the birds and then you have to tell the world of it. As long as you overlook this, just be satisfied to plod along in the rut you have been following for all of these years.



Barred Plymouth Rocks

We are now selling eggs at half price from our prize winners of the Louisville, Frankfort, Owensboro Shows, and Kentucky State Fairs. These eggs are identical to those we use for our own hatching, and we will now furnish them to you at one-half price, that will produce winners for you at the winter shows. A trial sitting will convince you.

Eggs \$1.50 per 15 \$7.50 per 100

We are also selling the birds in our breeding pens at greatly reduced prices. We have out over 1750 young birds, and we must have the room for our young stock. 70% of our chicks were hatched this year in March, last hatch, April 15th, which means that we will have exhibition birds for sale this year that will be practically matured in the fall, and we can supply winners to you for your State and County Fairs. If you will send for our forty page catalogue, you will understand why we can give you such big values at such reasonable prices.

POPE & POPE, Box H, Louisville, Ky.

Wish I Had Tried Henderson's "Brown Beauties"

Not too late yet. Eggs selling at half price this month. Remember that July hatched Leghorns make the January prize winners. Order today.

J. H. HENDERSON
KNOXVILLE, TENN.
Breeder Brown Leghorns Since 1890

WHITE WYANDOTTES

The Snow Drift Strain

Remember that I am the originator of this famous strain of WHITE WYANDOTTES. This strain has proven itself in many of the leading shows. I have ten grand pens mated this season of some of the best WHITE WYANDOTTES in this country. My WHITE WYANDOTTES won in seven shows, twenty-eight first prizes out of a possible thirty-five; twenty-six second prizes; five thirds, five fourths and three fifths. I have also added to my great strain the entire flock of WHITE WYANDOTTES of the Buckeye Poultry Farm, of Cincinnati, Ohio. This includes their good will, all their winners, ribbons, etc. If you want Blue Ribbon Winners, breeders that will produce winners, or eggs, I can furnish you and guarantee satisfaction. Write for Mating List.

C. A. BESUDEN

R. R. No. 2, Box 49, : : SHARONVILLE, O.

PRESCOTT'S ORPINGTONS

BUFF, BLACK, WHITE and DIAMOND JUBILEE

WON AS FOLLOWS:—At New York, Dec., 1911, won 6th cock, 6th hen, 4th pullet, and 4th pen in Buffs; 1st cock, 1st hen, 3d pullet and 5th cockerel in Diamond Jubilees. At Boston, Jan., 1912—Buffs, 3d and 4th hen, 2d pullet and 5th pen; Blacks, 1st cockerel, 1st pullet, 5th pullet, on three entries; Whites, 3d cock, 5th hen, 3d cockerel, 6th pullet and 2d pen; Diamond Jubilees, 3d cock, 1st hen, 1st cockerel, 1st pullet. These grand birds are all in my mating yards. Orders for eggs will be made up from all the pens of the variety selected. Our terms are 30 cents per egg, \$15.00 per 50 and \$25.00 per 100.

HENRY B. PRESCOTT, No. Box 25, Derry Village, N. H.
SEND FOR MATING LIST. STOCK FOR SALE.

HEAVY LAYING RANGE-BRED S. C. W. LEGHORNS

Baby Chicks that live, \$12 per 100; after May 1st, \$10; packed to insure safe delivery. Eggs for hatching, testing high, \$1.25 per 15; \$5.00 per 100; \$40.00 per 1,000. As I am running a mammoth machine and control 1,500 breeding hens, I can supply the above in any quantity. Correspondence solicited.
DARLINGTON EGG FARM, Alfred P. Edge, Darlington, Md.

SOMETHING TO GROW ABOUT

"HEN-E-TA"

About 30% Tri-Calcium Phosphate
Popularly Called BONE ASH

NO OTHER BONE NEEDED | NO OTHER GRIT NEEDED

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

VALUABLE BOOKLET FREE

100 lbs. - - \$2.25
500 lbs. - - 9.00

Balanced Ration Formulas Free

If you will give us your dealers name and address.

HEN-E-TA BONE CO.
NEWARK, N.J. DEPT. 8 FLEMINGTON, W.VA.

SINGLE COMB REDS

CALLAHAN & SON,
EAST POINT, CA.

WE ARE PRODUCING
BETTER REDS
EACH YEAR

STOCK AND EGGS
CATALOG FREE

"QUALITY" OUR MOTTO

FANTAIL PIGEONS ALL COLORS

THE OLD RELIABLE LAMBERT'S
DEATH TO LICE

insures Clean Fowls and makes hens profitable. Just the thing for sitters. Has been used by successful Poultry Keepers OVER 25 YEARS. Sold every where. Large sample of Powder or Ointment, 10c each. A "Sensible System of Poultry Keeping" by D. J. Lambert, free.

O. K. STOCK FOOD COMPANY
438 Traders Bldg., Chicago, Illinois

EATON'S FAMOUS POULTRY FOODS

Eaton's Life Saver Little Chick Food
Eaton's Growing Ration
Eaton's Climax Grain Mixture
Eaton's Perfection Mash Mixture
Eaton's High Grade Pigeon Food
The Peerless Self-Feeding Dry Food Hopper

R. D. EATON GRAIN & FEED CO.
Dept. E. Norwich, N. Y.

S. C. WHITE LEGHORNS AND INDIAN RUNNER DUCKS.

Thirty good utility S. C. White Leghorn eggs for \$1.00. Duck eggs at \$1.00 per 13. Book your orders now for future delivery. D. M. JONES, Route 1, Kizer, Tenn.

S. C. WHITE LEGHORNS

THAT LAY, WEIGH AND WIN

There is as much difference existing between the breeds and strains of our poultry as among cattle. Our dairies raise cattle for the milk. The vast ranches of the West raise cattle for their marketable value in meat. POULTRY is different, for why should we sell a hen at three or four months old simply for her meat when the average Grove's Strain of Single Comb White Leghorn hens will lay 12 dozen eggs per year, which, at 20c per dozen, amounts to \$2.40. Her marketable value at three or four months would only have been, probably, 40c. The same hen at the end of her laying season, is worth 60c to 70c in the market, making her worth a total of \$3.00. She will have cost in feed only \$1.10. Where, and in what other breed, can you realize \$1.90 clear profit upon an investment of \$1.10?

Our 64 page Catalogue will be sent postpaid for 50c in stamps, which describes breeding, incubating, conditioning, etc., not scientifically, but by the common sense and nature method of raising poultry.

My Signature on Each and Every Egg Your Protection

Don't start until you are sure you are right.
 If you do you'll fail, try as hard as you might.
 If you raise poultry why not raise the best:
 Breed the E. W. Grove strain and watch the nest.

E. W. GROVE, Jr., R. F. D. No. 1, Clayton, Mo.

WE ENVY NO MAN HIS ACCOMPLISHMENTS,
 FOR THEY ARE FOR BETTER POULTRY.

LIFE MEMBERS OF A. P. A. AND NATIONAL S. C. W. LEGHORN CLUB.

AT PRICES THAT WILL INTEREST YOU

It has been our custom for years on June 1st to offer the lovers of poultry at specially reduced prices a number of

U. R. Fishel's White Plymouth Rocks

Conceded by most every one to be the most beautiful and profitable of all fowls. I assure you this season we have the largest number, the best quality and the LOWEST PRICES that we have ever offered. CHOICE EXHIBITION BIRDS, SELECTED BREEDERS, and UTILITY FOWLS in any number. WHY fool away time and feed on common fowls when you can buy good stock at common prices.

EGGS FOR HATCHING

\$5.00 per 15; \$10.00 per 50. Sale stock eggs, \$6.00 per 100; 300, \$15.00

BABY CHICKS

From Yard eggs, \$10.00 per 15; from Sale Stock eggs, \$5.00 per 25; \$8.00 per 50; \$15.00 per 100.

SEND FOR SPECIAL SALE LIST, IT IS FREE.

U. R. FISHEL, : : : Box H, Hope, Indiana

ANCONAS

EGGS \$2 Per 15 After May 1

These eggs come from our prize pens. Our birds are at present leading in the Kentucky laying contest. Better get a start with this breed. We lead in winnings and have the largest farm devoted to this one breed in the South.

DSIMUKES & ARRINGTON Dept. H, Castalian Springs, Tenn.

HOUDANS

Southern bred. My birds took first at Alabama State Fair, also Birmingham Winter Show. Eggs for hatching for sale. Fertility guaranteed.

W. J. ROOT, Ensley, Ala.

PARTRIDGE ROCKS

Winners at Madison Square Garden, Boston, Philadelphia, Baltimore, Washington, Hartford, Scranton, Allentown and Hagerstown. Stock and Eggs—Prices Reasonable.

HILLCREST FARMS, Box 5, Oakford, Pa.

Rhode Island Reds

SINGLE AND ROSE COMBS

Write for mating list. Eggs at half price until August 1st.

MONTE SANO POULTRY YARDS, Augusta, Ga.
M. H. MORRIS, Manager

BUFF ORPINGTONS

Young and old stock for sale, correct in size shape and color. From best imported and American breeders. Eggs in season from many prize winners. At 1911 Louisville, Ky., Poultry Show—all seven specials, all five firsts.

Waycroft Poultry Farm, Box 457, Anchorage, Ky.

Shenk's Anconas

LAI D ALL THE WINTER AND LAYING NOW.

15 eggs, \$1.25; 30, \$2.25; 50, \$3.50. Thirty other leading popular breeds listed in my 36-page free catalogue.

C. L. SHENK, Luray, Va.

IF YOU WANT

ORPINGTONS

OF QUALITY (WHITE, BLACK OR BUFF.)

I have them. Eggs \$3.00 per 15 now or at any time. Carneaux Pigeons \$3.00 per pair.

W. G. ALLWORDEN, Route 3, Columbia, S. C.

FOR QUICK SALE

9 White Wyandotte Cockerels, 11 Mammoth Pekin Ducks, for \$1.50 and \$2.00 to make room.

All high grade stock, and worth two to three times these prices.

OLIVER RUTHERFORD, Eutaw, Ala.

FOGG'S

S. C. WHITE LEGHORNS

Are bred for

SHOW QUALITY AND HEAVY LAYING

Get our special summer prices on breeders, young birds, eggs for hatching and baby chicks. Write now about your wants.

N. V. FOGG, Box A, Mt. Sterling, Ky.

ANCONAS

No more eggs for sale this Spring. Get a start of this profitable breed from some reliable breeder.

E. H. DePOY, Route 6, Knoxville, Tenn.



Twice Told Tales

Raising a Chicken.

All things considered, from beginning to ending, Hatching and catching, and feeding and tending, Chasing and killing, and scalding, and picking, There's a great deal of work about raising a chicken. Watching the hen while she's doing the hatching, Watching her, too, while she's eating and scratching, Guarding 'gainst hawks and polecats and rats, Driving off crows and strange dogs and cats, Always ready to give something a licking, There's a great deal of care about raising chicken.

—Texas Farm and Fireside.

Consequent upon the strike, poultry breeders are experiencing a very bad time as fodder is unprocurable and most breeders had very small stock of fodder, as prices of late have been too high to stock a supply. It has been reported in the daily press that during the strike, that many poultry plants have been visited (after dark) and quite a shortage was discovered in the morning, in some cases to the extent of every feather.—Australian Hen.

The tendency of the poultry business is toward a more sane and sensible view in regard to early hatches. Late hatched chicks are just as valuable and just as necessary to a successful poultry business as are the early ones. If you haven't hatched as many chicks as you want, keep at it. Take care of the late ones and give them plenty of shade and there is no reason why they should not be as healthy as the earlier ones.—Union Poultry Journal.

Keep your egg record just as faithfully this month as you did in January. It's the man who never lets up on his bookkeeping who is pretty sure to keep the balance on the right side. Your egg output this month will be just as valuable as it was last month. If it isn't you are to know the reason why. A hun-



WHITE & BLACK ORPINGTONS BARRED PLYMOUTH ROCKS

Finest prize winning stock for sale. Prices reasonable.

The Hanover Poultry Farm

BOX 372, ASHLAND, VA.

Cooper's R. I. REDS

SINGLE COMB

Are always there with the Goods—Eggs or ribbons.

SAM M. COOPER : Fountain City, Tenn.

BARRED PLYMOUTH ROCKS

(LATHAM AND HOLTERMAN STRAINS)

Both matings. Stock and eggs for sale. Write for mating list.

J. R. TANNER, Chattanooga, Tenn.

1804 S. Willow St. Highland Park Station

MAMMOTH BRONZE TURKEY EGGS

We offer a few eggs from our flock of prize winners. Early orders filled first.

BARRED PLYMOUTH ROCK EGGS

Fifteen years successful breeding for stamina and usefulness. Eggs, \$1.50 per 15.

EASTVIEW POULTRY YARDS
Mrs. W. J. Landess, R. 5, Fayetteville, Tenn.

BARRED ROCKS

ROYAL BLUE STRAIN

Prize winning stock and eggs for sale. Prices reasonable. Write for catalogue describing each and every pen.

BLYTHE BROS.

R. 2, Box B. Frankfort, Ky.

200 CHOICE

S. C. Rhode Island Reds

One year old Sell for \$1.00 each, good shape and color, I will ship and if not satisfied I will pay the charges both ways. Choice eggs, \$1.00 per 15. Reds and S. C. White Leghorns. These birds have been bred for Eggs for 20 years and have never lost in the Show room.

HERBERT HAUN, Mohawk, Tenn.

WHITE ORPINGTONS

Best pen contains four first prize winners.

BLACK MINORCAS

Best pen headed by cock that won three firsts, 1911. Females all prize winners; all score over 93 points. Eggs and stock for sale.

MIDNIGHT POULTRY YARDS
Asheboro, N. C.

S. C. White MINORCAS

EGGS—\$2.00 per 15

PARTRIDGE WYANDOTTES

EGGS—\$1.50 per 15

IND. RUNNER DUCKS

EGGS—\$1.00 per 13

All Prize Winners Blount County Poultry Show, 1912

W. B. IRWIN Maryville, Tenn.

"GOLDEN BUFF"

ORPINGTONS

SINGLE COMB BUFF

I have two matings of extra "Golden Buffa." Booking orders for eggs now, either pen, at \$3.00 per 15. Send for leaflet.

ISAAC H. MORRIS : Yorkville, S. C.

Buff and White WYANDOTTES

S. C. LEGHORNS. Prize winning stock and eggs for sale. Write for catalogue. Square Deal Poultry Farm, Box J., Maysville, Ky.

S. C. WHITE ORPINGTONS

S. C. R. I. REDS, S. C. WHITE LEGHORNS. Stock and eggs. Luther B. Hodge, R. 1, Box 46, Morristown, Tenn.



All steel, nickel plated; punches clean, hole is right size; will not bruise the foot. Price 25c at your dealers, or from J. O. PETTY, Box 155, Belvidere, Illinois.

MRS. G. M. TENANT

Breeder of S. C. R. I. REDS, eggs from prize winners, \$3.00 per 15; S. C. WHITE ORPINGTONS, Kellerstrass' strain, eggs \$5.00 per 15; INDIAN RUNNER DUCKS, eggs \$2.00 per 13. Member Alabama Poultry Association.

BIRMINGHAM :: ALA.

WHITE WYANDOTTES

EGGS---DAY-OLD CHICKS
Write Your Needs

J. G. ROBBINS, Mayfield, Kentucky

LUMLEY'S ORPINGTONS

(WHITE, BLACK, BUFF)
LANGSHANS (BLACK)

PEKIN, I. R. and BUFF ORPINGTON DUCKS
Are winners—101 First Premiums at seven 1911 shows and firsts at State Fair show. Day-old Chicks, Eggs, Breeding Stock for sale. Also Berkshire Hogs, Collie Dogs. Satisfaction guaranteed. **HIGHLAND SPRINGS STOCK & POULTRY FARM, W. E. Lumley, Proprietor, TULLAHOMA, TENN.**

Day=Old CHICKS

From 10 cents up. White Orpingtons, White Wyandottes, White Rocks, White Leghorns, Barded Rocks and Golden Wyandottes. Send for free circular.

RELIABLE POULTRY FARM

Route 4 Madisonville, Ohio

MOTTLED ANCONAS

First pen at Atlanta (only 1 entry); first pen, first cockerel, 1st pullet, at Chattanooga. Every first at Bowling Green.

BUFF ORPINGTON DUCKS

first young duck at Atlanta (1 entry) and four firsts at Chattanooga. All our birds are bred to win. Eggs in season. **COPPERAS FALLS FARM, Tullahoma, Tenn.**

S. C. Brown Leghorns
Columbian Wyandottes

Prize winners, wonderful layers and beautiful plumage. Stock and eggs, prices reasonable. Send for mating list.

STURTEVANT BROS., Box H, Kushla, Ala.

S. C. BUFF LEGHORNS

Won more prizes and specials at Nashville, Knoxville and Atlanta, 1911, than all competitors combined. Write for Mating List and show record.

E. S. LANDESS, Fayetteville, Tenn.



Twice Told Tales

dred eggs at two cents apiece are worth more than seventy-five eggs at two and a half cents apiece.—Farmers' Home Journal.

People are crazy to get early hatches this year, and as this is a very cold spring, I believe the early hatches will be more or less of a failure. It is a mistake to think that May and June are too late to set hens. Some of the very best birds we ever raised were hatched in June and July. May and June are the natural hatching months and chicks can be raised easier these two months than any other.

Save the Chicks by Feeding Properly.

Chick feeding is all-important in chick raising. It is a lamentable fact that almost countless thousands of chicks are killed every year by improper feeding.

The remedy for nine-tenths of all the little chicks' ailments is more intelligence in feeding.

Bowel trouble (white diarrhea) chills, pasted eyes, colds, roup, sleepy disease, are the necessary results of illy adapted foods.

Don't feed a hashed-up mass of corn meal dough, but feed the chicks as the birds of the air feed themselves, nature's way, on dry crushed grain and seeds.

Just so long as people continue to feed improperly, just so long will poultry and eggs be scarce and high.—Uncle Jo., in Progressive Farmer.

Don't expect eggs in large number if the water supply is short, for eggs are largely composed of water.

A broiler is a chicken which weighs two pounds or under, and a spring chicken weighs from two to four pounds.

Mites in the chicken house occasionally are no disgrace, but it is a disgrace to leave them there after they are discovered, when they can be gotten rid of at such little cost.



Langford's Best Red Eggs

Now at \$5.00 per 15. Breeders for sale at half their value. Place your order for young stock for fall delivery. 500 young Reds growing for you. Catalogue free.

FRANK LANGFORD, R. 10, Nashville, Tenn.

RUBBER STAMPS

We make them every day.

S. B. NEWMAN & CO.
KNOXVILLE, TENN.

Golden and Columbian Wyandottes

Prize Winners at all the leading shows. Prices reasonable. Send for mating list "Golden Opportunity."

OLD HOMESTEAD FARMS

J. H. McDANELL, Prop.

Box 126 : **WARSAW, KY.**

M. B. TURKEYS
BLACK LANGSHANS

Winners at Appalachian Exposition, Tennessee State Fair. White Wyandottes, Fishel strain; Barded Plymouth Rocks, Thompson strain; Indian Runner Ducks. Eggs and stock. Write your wants. I guarantee satisfaction.

ONA WATERS

LEBANON, : TENNESSEE

BARRED PLYMOUTH ROCKS, S. C. White Leghorns, S. C. Black Minorcas, R. C. Black Minorcas, Fawn Indian Runner Ducks, White Plymouth Rocks, S. C. Buff Orpingtons, S. C. Black Orpingtons, S. C. White Orpingtons, Bourbon Red Turkeys.

WAYNE POULTRY FARMS,

Waynesville, : : Ohio

EGG LABELS

Printed same day order is received. Get samples and prices.

S. B. NEWMAN & CO.
KNOXVILLE, TENN.

S. C. Buff Leghorn Eggs

From exhibition pens, \$1.50, from utility pens, \$1.00 for 15.

No more Partridge Plymouth Rock eggs to offer till the end of May, when they will be \$2.50 for 15.

D. D. BOYCOTT, Greensboro, N. C.

FOR SALE

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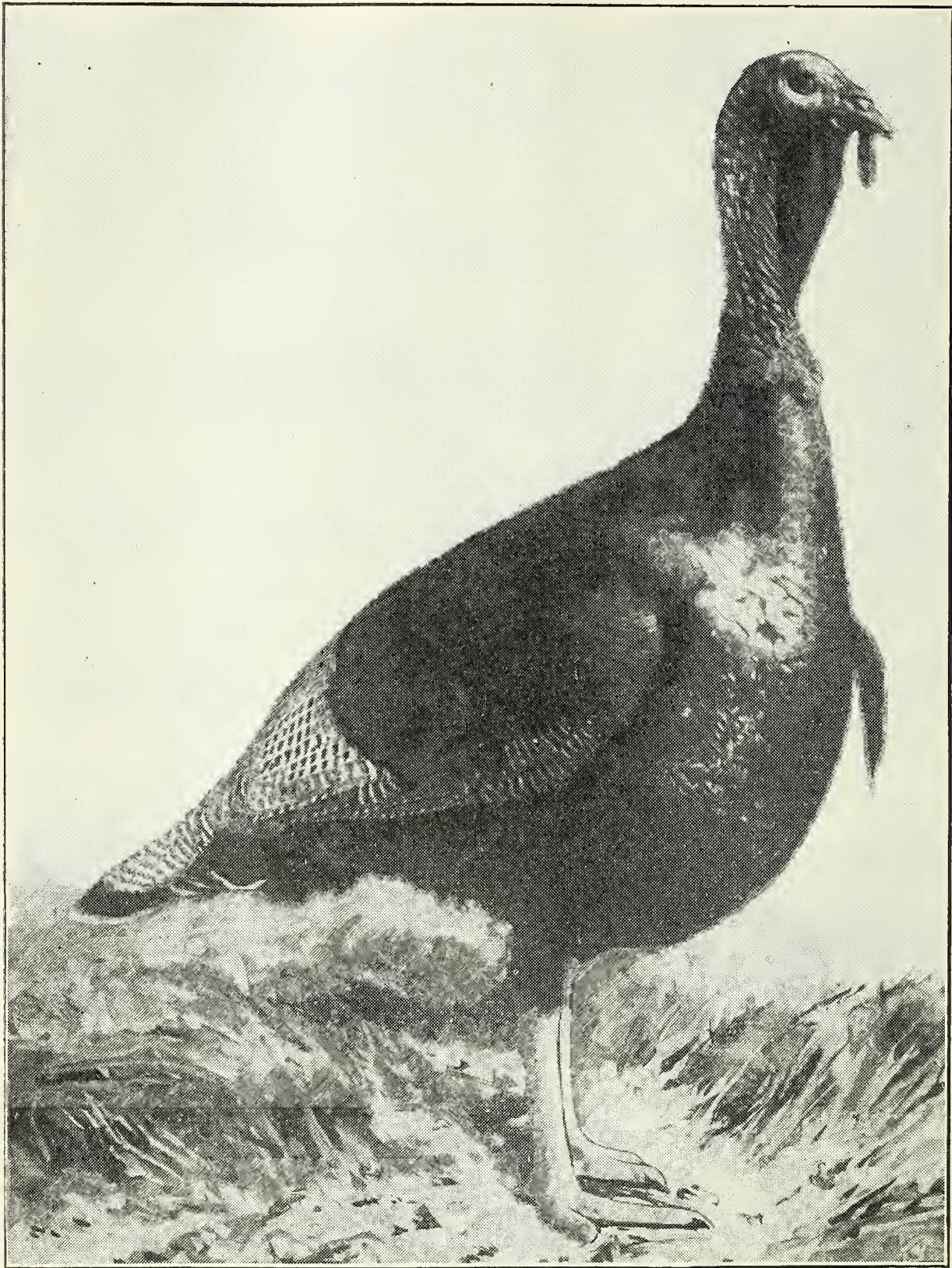
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THE INDUSTRIOUS HEN

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When the Hatching Season Is Over

By E. G. WARDIN, Charlotte, North Carolina



AFTER the hatching is through with and there are no more hens to be set will come quite a trying time with those who give their poultry proper attention. With many, after the number of chicks that are desired are hatched, the flock, or rather the hens have little or no attention paid to them. Summer is a very trying season on the hens, and on good care at this time depends their

usefulness as profitable winter layers.

There will be hens that will want to set during the summer, and they will be persistent in their efforts to do so. They will get on the nests in the henhouses, much to the annoyance of the hens that desire to go on the nest to lay eggs. These setters will fight away the hens, causing them to drop their eggs outside of the nests. Under such circumstances, the eggs are often broken, and the hens, unless prompt remedies are observed, will soon become a demoralized lot of egg-eaters. The owner of the flock may have become quite disgusted with the many hens that persist in getting broody when they are not wanted, and concludes to "let 'em set." He hears, perhaps, several times a day considerable cackling and fussing in the hen house and thinks about the broody hens and does not investigate. After a while there is a notable decrease in egg yield. It is concluded, "well they must have a rest sometime," else, he "guesses" they have commenced to moult. He may be a couple of weeks in finding out that his neglect in breaking up or removing the broody hens is ruining the good habits of the other hens. Broody hens should be allowed to occupy the nests in the hen-house day after day in summer. When such is the case, they become rank sources of disseminating vermin, both mites and lice, in the hen house.

It is not as some suppose an act of kindness or humanity to allow these out-of-reason broodies to take possession of the nests in the hen house. They suffer more in the hot hen houses than they would if they were broken up at once. When all the facts are, therefore, considered, that they are liable to demoralize the flock and start egg-eating, that their presence greatly encourage vermin nuisances, and that it is really cruel to let them set on from day to day, it would seem that intelligent poultrymen would promptly break them up. There should be a yard especially for out-of-season broody hens. Have a roomy shed in it. Keep the broody hens out of this shed during the day. Have no nests in the part of the shed where the broody hens roost. Such treatment will break them up in a few days. When the hatching season is over all the male birds should be kept by themselves if it is desired to keep any of them over for another season. If not they should be disposed of as soon as possible, for they are an expense that greatly keeps down the profits. It is a good plan to put the broody hens in a yard with a male bird when wishing to break them up.

As far as possible arrange to keep the chickens of different ages in flocks by themselves.

Do not conclude, because the hens have a large range in summer, that they do not need any food but what they can find. While they may get along, they will not be kept in prime condition when fall comes, and you will have to get them in good condition again before you can expect any eggs from them. Use good judgment in feeding hens in summer, both as regards quantity and quality of food.

The feeding of the growing chickens should continue right along with a varied diet. There is little danger of over feeding if good sound wholesome food is used.

No matter how strictly the rules of cleanliness are observed, or how strictly all sanitary precautions are lived up to, on the best regulated poultry farms, there will be occasionally ailing or lousy fowls or chicks. Close observation, therefore, of the poultry, as well as the premises becomes necessary. A sleepy or listless hen or chick should be considered a suspicious one. Such should receive prompt attention. Treat for lice, whether they are found or not; use either insect powder or lard.

Of the many essentials to be observed in summer none is more important than furnishing a supply of fresh drinking water, which should always be kept in a shady place. The water should be renewed several times during the day, not by pouring in enough water to fill each vessel up again with what water there is already in them. Each time they should be emptied and filled with fresh water. Wash the vessels out every morning or evening. Spade up a space of fresh ground for a dust bath every two or three days. If the soil is not fine and mellow, make it so with a rake same as you would for a seed bed, then see how the hens will enjoy it.

Clean the hen house every morning, and scatter a little air-slacked lime—properly done there will be no objectionable odor. Burn up the old nest material and replenish with fresh material, and if you can secure some tobacco stems, such as cigar-makers throw away, let the nest be composed of one-third of them. Some people use camphorated moth balls, such as are used to keep the moths away from clothes, to put in the nests in summer, one in each nest is enough. Every other week remove all the nests and roosts, and go over them with a brush dipped in kerosene. Of course all this necessitates work, but it is an investment that will pay later on. Good summer care of the poultry lays the foundation for good returns in the winter when the best prices are realized for all poultry products. It is now in order to mark the most vigorous growers of the early broods to be retained for stock purposes. Sell off the early cockerels, after selecting these desired to be kept, as soon as possible. If you have properly studied the breed you have, you should know quite early which are the most promising and are nearest to standard requirements.

An ordinary refrigerator car, to which extra insulation has been added, equipped with a small engine room containing a gasoline engine, which runs a centrifugal fan, drawing air through a specially constructed ice bunker, and which will be used for cooling poultry and eggs, will be on exhibition during the Convention of the American Poultry Association, through the courtesy of Mr. H. C. Pierce of the U. S. Department of Agriculture. The car is designed for the purpose of demonstrating the value of artificial refrigeration in connection with the packing of poultry and handling of eggs. It will be placed upon the sidetracks in towns where there are produce dealers, and experiments conducted upon the cooling of eggs, before loading into refrigerator cars, and the handling of dry packed poultry in direct comparison with the icepacked poultry. It is not the intention to ship this car loaded with poultry and eggs, but simply to be used as a cooling plant before poultry and eggs are loaded in refrigerator cars.



Temple of Aesculapius in the Borghese Villa, Rome

The King of Italy Interested in Poultry

By Managing Editor L. B. Audigier, Vice-President American Poultry Association



POULTRY culture in Southern Italy is taking an upward tendency. Although one of the oldest inhabited parts of the old world it is farthest behind in scientific live stock production. In many localities now, however, more attention is being given to the growing of live stock, but, as is usual everywhere else, the importance of poultry culture is minimized.

The government is establishing experiment stations for agriculture and live stock throughout Italy and Sicily, and it will only be a few years until, as is the case in England, France, Germany and America, poultry husbandry will be a necessary part of the curriculum of every school.

The King takes an especial interest in the many avenues that are open for the amelioration of the great peasant class and requires that more land shall be cultivated, and that the science of agriculture and live stock breeding shall be taught. It will be a comparatively easy matter for the average Italian countryman to be a good farmer or stock raiser, for his natural inclination is to do things in an intensive manner. Land area is small and the population large. The best soil for cultivation lies in the valleys, and while much of that may be used for agricultural purposes, that lying along the mountain sides and in the innumerable gulches and ravines will make ideal spots for poultry and duck culture. The country is well watered, the climate similar to that of Florida, and the soil, which in some localities is thin, as a whole is found to produce admirably many varieties of grass and grain where the proper attention has been given to its cultivation.

The Italians with whom I have come in contact, in both city and country, compare favorably with the same class of citizens in America—except that they are more provincial. Many families in the rural districts seem to be living in the same houses that their ancestors of a thousand years ago lived in. They wear the same costumes and make use of many household articles and farming implements that their medieval antecedents did. As stated in a previous article the same stock of cattle—the long-horned dun—has been bred the same for over 500 years. They do not want a change. It is not their idea to progress. Their fathers and grandfathers and great-grandfathers before them fought their way up through such lines of civilization and why can not they? This class will make no advance-

ment or progress of their own volition. The poultry of the country, like the donkeys and cattle, have remained for centuries the same. It is an indiscriminate Mediterranean breed of spots and speckles, but withal hardy and vigorous, and of good size. The eggs that I have seen in the markets of Rome are white shelled, not so large as those of our Leghorns, Anconas or Minorcas, but fully as palatable, and seem to be quite plentiful, ranging in price about twenty per cent higher than the Southern American markets.

The climate in winter is cool and bracing, always a gentle wind either from the sea or from the continually snow-covered Appenines, in plain view and only a few leagues distant. Poultry here needs very little attention so far as climatic conditions are concerned, and that is possibly one reason why so little thought has been given to its improvement. And that is also true why, when improved breeds are established, results will be so easily obtained that when the public is once aroused and become really interested, the outcome will not only be most satisfactory from the standpoint of scientific culture, but of remuneration from an improved flavor of the flesh, more and larger eggs, earlier and better broilers, etc. And it is this general condition, and the fact that his majesty the King realizes that from the resources of the soil must come the relief to the people so necessary to their happiness and existence, that he has so wisely suggested that its cultivation will give them a dependence and a freedom from their own bondage.

I accepted an invitation a few days ago to the Quirinal from H. E. Count Giavotti, Grand Master of Ceremonies of the Royal Palace, and in conversation there with Signor Umberto Verdesi, I learned from his own lips the great desire of his majesty to ameliorate the condition of his loyal and loving subjects in every possible way. Signor Verdesi is very much interested in the progress being made in America towards advanced poultry culture, and gave me the hearty assurance that the King was exceedingly anxious to do everything in his power for their betterment. He is very much interested in plans that will aid them in becoming more independent and self-sustaining. The present war is costing the sons of Italy many millions of lire, and taking thousands of breadwinners from the support of their families and the ordinary walks of life. Women and children left behind may find it more to their profit and pleasure to cultivate a poultry crop along with maize and vegetables than to undertake agriculture alone. The edict of the King cannot



A Reproduction of the Temple of Faustina, Borghese Villa, Rome

be too strongly urged upon the people by the government officials, for I have never seen circumstances more favorable for the exemplification of a truth than here. Air, heaven and earth seem to lend their very existence to the individual with a purpose. Spring comes earlier here than with us in Tennessee. The beautiful parks and gardens of the villas have for several weeks, or since the first of April, been beautiful beyond description. The artistic taste of the average Roman, together with his ability to indulge the desire for beautiful landscapes, the quaint settings of ancient buildings surrounded by old stone walls over whose heights climb in a mingled mass of grace and color rose bush and vine, are to be seen almost at every turn of the eye. Wisteria hangs in clusters from beautiful stone mansions, entirely hiding from view all but windows and doors. It climbs over marble columns in the Forum of the ruins of ancient Rome, and gives a bit of color to that sepulchral looking valley of the Tiber that has been the theme of historian and poet for over two thousand years. Nature everywhere is beautiful. A drive through the Pincio and Borghese Villas reveal well-kept roadways, winding through an undulating country, along avenues of ancient ilex trees bordered on either side by marble busts of Italian warriors, statesmen and heroes who have won honor and renown in defense of their country. Walks and avenues for pedestrians interlace forests of pine, cypress and ilex, and everywhere, at the most unexpected moment, burst forth flower beds of artistic design, radiant with color and filling the air with a sweet perfume. Great beds of cineraria, of a wonderful variety of color, solid colored displays of pansies in fern-de-lis shaped beds; begonias, azaleas and many other varieties of contrasting color greet one everywhere. Here is a fountain in the Pinchio whose jets and sprays of crystal like water are dancing in the sunlight, forcing an entrance through a reed in the hands of a water-nymph, which, caught up in the blossoms and leaves of a bunch of lilies are returned again to the pond of aquatic plants. In the center of this fountain stands a marble figure of Pharaoh's daughter, as she discovers in a basket at her feet the cast-off Moses. Near-by is a pond, supporting in its center a most wonderful piece of mechanism in the shape of a water-clock that tells the hours as accurately as the ordinary time piece, water being its only motive power. It is never wound up and never runs down, and trickles the time away as fashionable Rome drives by on a bright afternoon in one continuous procession of smart traps and brass-buttoned livery. Here is a group of dark-eyed, black-headed Italian children playing on the grass that, at a distance, being covered with anemones, looks like a light fall of snow. Birds are busy nesting, heeding not the gardener as he slowly swings his grass hook, or as the romping children shout as they climb over the backs of marble benches.

Thousands of visitors at this season may be seen gath-

ering around the imperial band stand where the band plays for hours every afternoon. Here modern Rome disports herself as men and women of all creeds, nationalities and stations in life, come together for an hour's entertainment. Rome has many beautiful parks and villas, but none more so than the Borghese. In 1912, these beautiful grounds, consisting of several hundred acres, the palace with its magnificent collection of pictures and art treasures, was bought by the government for about \$600,000, and transferred to the City of Rome as a public park. It is said that a wealthy American offered that sum for one of the paintings, but the government would not allow the picture to leave Italy. It is only fair to say, however, that the price paid did not include the many thousand dollars indebtedness already on the villa which was assumed by the government. These beautiful grounds contain thousands of evergreen oaks, a number of antique statues, small temples, artificial fountains, etc. By the side of a beautiful lake by the garden stands the famous Temple of Aesculapius, whom mythology describes as the "God of Healing." He was killed by a thunderbolt from Jupiter. Serpents were sacred to him, denoting his wisdom in healing, and cocks were sacrificed to him. Instead of serpents and cocks now, we find the lake alive with fish, and several beautiful specimens of the black and white swan floating lazily about arching their graceful necks and pruning their glossy coats of feathers. In this park are many miles of perfect driveways through avenues of ilex hundreds of years old, evergreen oak, the pointed cypress and the grandly majestic rock pines that tower many feet above every other growth, and show their flat bushy heads in every direction against the horizon. One sees the cypress and the pine in every picture, and like St. Peters, Rome would not be Rome without them.

Poultrymen to See "Darkey Life in the South"

One of the entertainment features at the Nashville Convention of the American Poultry Association will be "Darkey Life in the South" today and fifty years ago. The entertainment will be given in two parts, the first part consisting of a programme of entertainment by some of the college students, including the famous Fisk Jubilee Singers. The second part will be a plantation and levee scene, introducing cake-walking bran-dancing, and other scenes familiar in the South before the war. The entertainment, which has not been arranged in detail as yet, will be under the personal supervision and directorship of Mr. E. L. Doak, who is Chairman of the Reception Committee. All who know Mr. Doak's ability in this line of work know that the entertainment will be one of exceptional interest, Mr. Doak himself at one time having starred before the American people with great success.

Modern Business Methods For Poultrymen

By PERCY H. WHITING, Atlanta, Georgia



TWO THINGS are needed to get the best results in running a poultry plant—hard work and a desk tickler. No explanations are needed to make clear the application of the former. The use of the latter is in planning and systematizing the work and in remembering when to do it.

Suppose a man you had solicited to buy a high grade pen of fowls should say to you, "I get into my new property in six months. If you will deliver that pen of fowls on December 15, I'll take them," how would you remember to do it?

If you had a note to pay every four months how would you remind yourself of it? How do you remember when to renew your insurance, when to return taxes, when your incubator was started.

Various people have various ways of remembering these and other things. But there is only one best way—and that is by the use of a desk tickler.

The tickler is a simple little device. It consists primarily of a little tray, designed to accommodate 3 by 5 inch cards, placed vertically. In this tray are 365 cards, 12 sets numbered one to twenty-eight, one to thirty and one to thirty-one, to correspond with the days in the month of all the months of the year. Also there are twelve cards with the names of the months. These cards are placed in the tickler tray according to the calendary arrangement of months and days. First come 31 cards for January, numbered 1 to 31 inclusive, then the January card; next cards numbered 1 to 28 inclusive, then the February card, and so on through the list.

If you start a tickler with the first of the year, the front card is January 1. When January 2 comes you move the card numbered 1 back to the rear of the case. The next day the card numbered 2 goes back and so on through the year. The card for the day of the month is always at the front.

This is a complicated explanation of a simple device. The point of it all is that by the use of it you have an automatic calendar. But here is where the utility comes in. If there is anything you want to remember to do on January 15, say, you write it on a card, 3 by 5 inches, and slip it in the tickler in front of January 15. When that day comes you will move the card for January 14 back to the rear of the tickler, disclosing your memorandum.

In the first place it is invaluable for ordinary memorandum work. If there is anything that you want to be reminded of at any day in the future, put it on a tickler card (that is on any slip or paper that will fit in between the vertical cards) and file it just before the desired day.

Frequently, in reading your poultry magazine you will come on some piece of information that will be useful to you in the future. If the information is brief it can be jotted on a tickler card and filed ahead at the desired date. If it is too long for that, yet not very long it may be clipped from the magazine, folded and placed in the desired position. If it is very bulky a card can be made giving the name of the article and information as to where you have put it. Then, when the day comes when the information is needed, your card reminds you of the article and tells you where you have put it, a matter that might easily be forgotten.

Suppose that in the fall you read in a magazine a valuable article on running incubators. It contained a scheme that you would like to try—in the spring. It would be easy to put the article away somewhere. But if you did, you would probably forget its very existence, in the first place; and if you didn't the chances are you could never remember where you tucked the thing away. A little tickler card, bearing the words,

ARTICLE ON INCUBATORS FILED IN THIRD LEFT DRAWER, BOOKCASE

would be filed in your tickler a few days ahead of the date in the spring when you would probably be ready to set the machine. Then you could forget it absolutely. But each day you would take off the front card of your tickler and pass it back. And when spring came you would one day pass back a card and find the memorandum waiting for

you. It would tell you not only to read the article again but would tell you where you had put it.

A man is foolish to clutter up his memory with a lot of useless stuff. A desk tickler will do most of his remembering for him write, what you want to remember on a



ROCKWOOD PRINCESS

First prize Partridge Rock Pullet, Cleveland, 1912. At this same show Rockwood Farm also won 1st, 2d cock; 2d, 4th hen; 4th cockerel and 2d, 4th pullet, having but 8 birds entered. Rockwood Farm, R. W. Mead, Norwalk, Ohio.

slip of paper, stick it in the tickler and it will do the rest. For the routine jobs that must be remembered each week, each month, each year there is nothing like a tickler. Here is one way I use my own. I am on a salary and get my money by the week. I have certain obligations, insurance, taxes and the like, that must be met by the year. I have found that the easiest way to meet these is to put away the money each week. To remind myself I have a card in my desk tickler, telling me how much to put aside. I put this money away Monday and file the card ahead a week. The next Monday it comes up again, and the next, and the next. There is no chance to skip a week or to forget.

In the chicken business there are scores of duties that should be attended to each week, each month or each year. A tickler slip reminds you and it comes to light the way you should be reminded. When the task is performed the tickler slip is passed back and comes up again when needed.

In setting eggs, under a hen or in an incubator, the tickler record is the best stunt. After putting eggs under a hen I make a record card, giving the leg band number of the hen used, the place where it is set, the number of eggs, the mating, the date set, and the date the hen should come off. I then write the three dates on which the setting hen should be dusted with lice powder. I also leave blanks to show how many eggs hatched, how many were infertile, how many chicks died in the shell, and how many I raised.

This card once prepared, it is slipped in the tickler before the day when the first lice-powdering is done. When that day arrives the card bobs up and serves as a reminder until the job is done. It is then passed back to the next "powdering day." After it has bobbed up as the third reminder to go after the lice it is placed before

the date when the hatch is expected and serves as a reminder of something that poultrymen not infrequently forget. After the hatch, statistics as to the fertility are put on the card and it is passed back toward the end of the year. When it comes up again a record of the number of chickens raised is added and it is passed back to the end of the season. Each other record card is passed back to the same day. And when they come up the owner can then tabulate his figures and know exactly how many eggs he set, how many hatched, how many were infertile, how many he raised and any other needful facts. There are other ways such records can be kept but none simpler, easier or more efficient. Of course this is only one of a thousand ways the tickler can be used but it gives a hint.

Another great use of the device is in planning out a long, complicated, troublesome job. We have all faced jobs that by their size staggered us and kept us from making a start. But we know that each job can be separated into a number of jobs, each one simple enough in itself. The building of a great steamship is a tremendously complicated undertaking yet it can be reduced into a vast number of small jobs, each one simple in itself.

We haven't any steamships to build but we have plenty of jobs that are sufficiently complicated to stagger us. Suppose we took each job and reduced it into its elements. Then suppose we wrote each element on a tickler slip and put them in the tickler in the order in which they would come up. We would then have the job simplified and could

take up each element, without worry over the complication of the whole job.

Suppose your job is to build a new house to shelter the major part of your flock and suppose you could do it only at odd times—it would be a tremendous undertaking. Suppose, however, you reduced the job to its elements. Make your notations something like this:

"Draw plans night of July 1."

"Order lumber and hardware July 2."

"Level off ground July 3. Notify carpenter to be on hand July 4."

"Get up frame, with help of carpenter, July 4. Holiday, full day."

And so it would go through the list.

As each job comes tumbling out at the tickler, one at a time with a day to attend to it, the whole task is simplified. This may sound a bit too simple but if you will investigate you will find that some of the biggest businessmen in the country simplify their work in just such a way.

The tickler is the greatest instrument of its inches in the world today for simplifying work. Backed up by the hard work without which nobody can succeed in the poultry business, it will accomplish wonders.

Buy one today. Arrange the cards. Get a supply of 3 by 5 slips. Note down each thing you want to remember. In six months the device will have relieved your memory of more than half of its load. And it will keep on remembering for you as long as you live.

Care of the Summer Hatched Chicks

By MRS. H. P. HINTON, Dallas, Texas



MUCH HAS been written of summer hatched chicks—some advise raising while others do not. There are many things to take into consideration when it comes to making the summer hatched chicks profitable. First, it requires more room for the late hatched chick and it takes more work to raise good specimens, the vermin is worse and here in the south it is so hot that eggs

do not hatch so well.

I believe every one should raise chickens to their full capacity, and if there is a shortage of early ones the late ones will come in very profitably, but there will be nothing gained by crowding them.

Summer chicks must be provided with an abundance of fresh water and plenty of shade; these are two things that must not be neglected if one wants to make a success of them. Green food should be supplied; it is harder to get tender green food in the hot summer months than it is in the cooler months of spring, but it can be provided in many ways. Where one has a vegetable garden there is usually enough wastage to feed quite a flock of chicks, and a good patch of rape makes excellent green food. When all this fails from lack of rain, the only resort would be sprouted grain, which is excellent, but great care must be used not to let it become soured as that would kill them.

A close watch has to be kept for vermin, as they

multiply very rapidly in hot weather and a little neglect along this line will prove very injurious to the flock. Another important thing for the welfare of the hot weather chicks is to keep everything clean and disinfected.

Some of the best winter prize winners are often from the summer hatched flocks that are never neglected or stunted. The summer hatched chick that is kept steadily growing develops and is in much better feather for the winter shows than the early ones.

The many details must be looked after with greater care for the late hatched chick than those of the earlier ones; no slipshod, careless ways can be used in caring for the summer chicks.

They must be allowed to run with the old fowls or the earlier chicks. I prefer grassy runs for them, where they are safe from the depredations of varmints and therefore do not have to be fastened up at night. After the chicks are old enough to go on perches, I like only a roof over them to prevent them drowning in case of rain; it makes them healthier and hardier to roost in the open.

I think that the late chicks really do better with hens than when raised by hand; however, I have raised some very fine ones in brooders.

The main essentials in producing good birds from the summer hatches are clean, well ventilated roosting quarters, plenty of fresh water, good wholesome feed, plenty of green food and never allowing vermin to get a foothold.



Blackhead Cause of Decline in Turkey Raising

By Leon J. Cole and Philip B. Hadley With the Assistance of Wm. F. Kirkpatrick--The Result of Experiments at Rhode Island Agricultural Experiment Station



TURKEY-RAISING was at one time one of Rhode Island's best known industries. Now, however, this industry has almost vanished, since, with very few exceptions, the Rhode Island farmer has given up his attempts at turkey-raising. The islands of Narragansett Bay are turkeyless, while from Block Island, which thirty years ago was able to supply the Thanksgiving market

with no less than twenty tons of turkeys, not five hundred pounds have been shipped annually for many years. The main cause of this deplorable condition is black-head, which was first noted in Rhode Island sometime previous to 1893, and which has all but annihilated the turkey-raising industry in New England. It has now spread, moreover, with ravaging effects, to almost every state of the Union.

The full import of the present conditions has come to the poultrymen only slowly. For some years previous to 1893 it had been noticed that successful turkey-raising in Rhode Island was on the decline. The poultrymen complained that the young poults from two or three weeks to five months old died in large numbers, and very few birds lived to maturity. In 1893 Samuel Cushman, at that time Poultryman (Animal Husbandman) at the Rhode Island Agricultural Experiment Station, published a paper in which he gave the symptoms, described the condition of the diseased organs and suggested the communicable character of the ailment. Cushman was probably the first to make use in the literature of the term "blackhead," a name used by the farmers for the reason that the heads of the turkeys frequently became dark colored. Other names for the disorder were "liver trouble," "spotted liver," "turkey tail," "going light," and "cholera." It was not until 1895 that a scientific investigation was made of blackhead. Dr. Theobald Smith, now of the Harvard Medical School, studied the disease at that time and concluded that it was caused by an ameba, one of the lowest forms of animal life. This he called *Amoeba meleagridis*, or ameba of the turkey. Since 1895, Smith's findings have been generally accepted.

Several writers, especially in other countries, had, however, described a disease of poultry which bore some resemblance to the blackhead of turkeys; and, in order to ascertain more fully the exact nature of the disease, investigations were renewed at the Rhode Island Station in 1902. These resulted in demonstrating that the cause of the disease was somewhat different from that described by Smith, for it was shown that what Smith took for an ameba was one stage in the development of another protozoan organism called a *coccidium*. Thus the disease was recognized as a form of *coccidiosis*, a malady which appears in different forms, and under different names, in many species of animals. These findings have placed the study of blackhead upon a new basis, and, in so far as they make clear the nature of the causative organism, which is to be combated, they establish a greater hope that some success may be obtained in the study of preventive measures.

The Symptoms of Blackhead.

Blackhead, in whatever species of bird it may be found, presents three symptoms which are invariable; first, diarrhea, at some stage of the disease; second, a condition of increasing languor or stupor, together with isolation from companions in the flock; third, loss of appetite and more or less prolonged emaciation. The presence of these symptoms in his birds suggests to the poultryman who is on his guard that the disease has entered his flock. It should be noted here that the term "blackhead" is a partial misnomer, since the dark coloration of the head is by no means constant, and, on the other hand, may occur in cases where blackhead is not present, as in the case of infection by worms or other small animal organisms called flagellates. Although the hollows under the eyes are not characteristic of blackhead alone, this clinical feature is usually present in birds suffering from the disease.

While, in all cases of the disease, the chief symptoms already described are present, there can be recognized

three courses which the disease may follow. These are distinguished first by the duration of the disease, and second by the extent and severity of the injury to the affected organs.

The first course which the disease may follow is met with in young birds, and, giving rise to one of the disorders commonly known as "white diarrhea," frequently causes a great mortality among poults from five days to three weeks old, although the mortality may continue much beyond this period. In these cases death is sometimes preceded by a period of a day or two of stupor, in which the young bird remains by itself and refuses food. A white or yellowish diarrheal discharge is usually present in this type of the disease. This acute form is more likely to attack the younger birds, frequently causing a mortality of from 80 to 90 per cent, while the older birds prove more resistant.

When past the age of three weeks the majority of the birds have a better chance to live for at least several months. In other words, if the disease is present in a flock and does not at once assume the acute form among the young birds, it is likely to remain latent in them, so to speak, or to change into a **slowly progressive** form which may not cause death for several months. The third course which the disease may follow is the typical **chronic** form, in which the birds hold their own against the disease for a long period extending over a year or more, during which time the emaciation gradually increases. In these birds the disease is ultimately fatal in the majority of cases.

Turkeys having the chronic form of the disease are especially susceptible to the effects of unfavorable conditions. The investigations at the Rhode Island Station have shown that fattening a flock for the Thanksgiving or Christmas market often brings about a marked increase in the mortality, especially if the poults are fed much corn.

Besides the cases in which the disease is either overcome or has fatal termination, there are a certain number of birds (especially fowls) which harbor the parasite for long periods. Such birds, whether fowl or turkey, may give no sign of illness during life, nor any gross sign of cecal, hepatic or intestinal derangement upon death, but may still have been the source of infection for many other birds, which have been confined in the same yard. Thus it is seen that, while birds suffering from the disease in an acute or sub-acute form can be detected by their appearance and behavior, it is practically impossible to determine, without minute examination, what apparently well birds harbor the causative organism of the disease.

How then shall the poultryman tell when blackhead is present in his flock? The matter may be summarized thus: The evidence for the presence of blackhead is either certain or presumptive. The evidence is presumptive when, in young birds, the appetite is suddenly lost, a stupor or languor is manifested, and there is a whitish diarrhea. If, in addition to this, there can be recognized, by microscopical methods, the presence in the excrement of many coccidia in some stage of development, the evidence may be said to be certain. In adult birds the evidence is presumptive if there is manifested a loss of appetite, a stupor or languor, voluntary isolation from the flock, and a progressive emaciation. If, in addition to these symptoms, there is a diarrhea or a solid excrement with a large amount of chalky substance (urates), and if, in this excrement, evidences of coccidial development and injury to the intestinal tract can be found, then the evidence may be said to be certain. In conclusion, in dealing with live birds, all evidence which is not supplemented by a microscopical examination is to a greater or less degree presumptive.

The Lesions of Blackhead.

Although the injuries to the tissues (the so-called lesions) of blackhead may appear in various organs, they are most often restricted to the liver, ceca (or blind pouches), and intestines, all of which may be involved in varying degree, dependent upon several factors. The walls of the ceca are usually thickened to a considerable extent, and the canals contain a more or less solid center or "core" which frequently shows concentric rings. This core is sometimes six times as large as the normal cecum.

If the course of the disease is not rapid, but delayed, as in chronic cases, the liver is usually affected. The diseased condition is sometimes shown by only minute white flecks, but more often the diseased areas are larger, and round. They may be gray or yellow in color, and sometimes run together to produce large patches of dead tissue.

The diseased livers, ceca, and other organs have been studied microscopically. This method has shown the parasitic coccidia occupying large areas of the dead tissue, which they had caused to disintegrate. Usually the small cells lining the intestinal tract were broken down to a considerable degree, and thus their food-absorbing function was destroyed. This pathological condition accounts for the emaciation characteristic of birds sick with blackhead. In the liver, the hepatic cells were found to be destroyed over large areas, and many of them contained the parasitic coccidia. Sometimes the diseased condition of the liver is augmented by the presence of bacteria which, in some cases may be the secondary cause of death. There are no other diseases of turkeys known which cause exactly the same appearance of the livers and ceca; and therefore these pathological features may be considered as diagnostic of blackhead.

Relation of Blackhead to Other Diseases of Poultry.

It was formerly believed that the disease called blackhead occurred only in the turkey. Continued observation soon made it clear, however, that fowls also might have the disease, and it is now a well-established fact that not only fowl, but practically all domestic poultry are susceptible; and, although they are much more resistant than turkeys, they frequently die of blackhead. The same organism has been found as the pathogenic agent in guinea fowl, ducks, pheasants, quail, grouse, pigeons, and sparrows. But the chief danger from such general occurrence of the disease in a mild form lies in the fact that where there are domestic poultry the grounds are necessarily contaminated with the causative organism, and thus rendered unsuitable for raising turkeys. For this reason it is never safe to allow turkeys and other poultry to use the same yards. The occurrence of the disease in wild birds such as the quail, grouse, and in several varieties of sparrows, adds to the varied possibilities for infection. Regarding the last of these, it cannot be doubted that the common English sparrow has played an important role in the dissemination of blackhead throughout the country, and is probably still an important means of bearing the disease from one locality to another.

There is another disease of young chicks, especially brooder chicks, known as "white diarrhea" to which blackhead stands in relation. Under the general head of "white diarrhea" it is probable that several different diseases are to be distinguished, all of which give similar external symptoms. Some of these diseases may be of bacterial origin, while it is known that others are due to pathogenic molds; but one, which is frequently met with, is the coccidial white diarrhea. This disease usually runs an acute course in young chicks and continues to bring about a gradually decreasing mortality as they become older. The chief point in which this disease differs from blackhead is that in the former the lesions are more often located in the roodenum, or anterior segment of the small intestine. While the livers are frequently affected, this condition is less often present in coccidial white diarrhea. It appears from experiments conducted at the Rhode Island Station that chicks suffering from this disease are able to infect turkeys with blackhead and vice versa.

Another disease, some cases of which appear to be related to blackhead, is roup of fowls. Here, the coccidia appear to attack the mucous membranes of the eye, mouth and throat. This form is often complicated with the intestinal coccidiosis.

Prevention and Treatment of Blackhead.

Regarding preventive measures the following, though simple, may be recommended: (1) protect the yards and flocks which may have the good fortune to be uninfected with blackhead by a careful examination of all new stock, whether turkeys, fowls, geese, or other domestic birds. (2) Keep the turkeys on grounds which are as fresh as can be obtained. Change the range at least every year or two; and, above all, keep them isolated from fowl and other poultry. (3) Keep every turkey in the flock under frequent observation in order to separate, and at once isolate, any bird which gives evidence of the disease. To facilitate such observations it is of the greatest help to legband every bird, and to record its weight from time to time. This procedure may be looked upon by the

average poultryman as difficult and impracticable. As a matter of fact it is neither, but can be done easily and in a short time. It may be appropriate to state at this time that, if the poultryman and farmer expect to meet success in raising their birds they will have to give them at least a fraction of the thought and attention which they give to other departments of their farm work. The course outlined above makes it possible to learn whether any birds are losing weight, and if this is the case, these birds must be regarded with suspicion and separated from the rest of the flock. It is especially dangerous to allow a turkey-hen, showing this sign of disease, to brood her young. (4) If it is known that blackhead is present in any of the poultry, the yards should be kept as free as possible from English sparrows, and the poultry houses and grain bins from rats and mice, since it has been shown at the Rhode Island Station that these rodents carry the parasite. (5) If it is desired to fatten birds for market, begin to increase the rations gradually. Never attempt to fatten birds which, in successive weighings, show a loss of weight. Overfeeding does not cause blackhead, but it does frequently cause the sudden death of birds in which blackhead is present. (6) When birds have died of blackhead, their bodies should be promptly burned or buried in order to prevent the dissemination of the coccidia, either through the ravages of rats or skunks, or by leaving the dead birds to decay about the premises.

Regarding therapeutic measures, the following may have some advantages if given early in acute cases of blackhead: (1) Isolate the sick bird from the flock, and place it in a dry, well-ventilated location, free from colds and draughts. (2) Feed sparingly on soft, light, easily assimilable food, with little grain, especially corn.—Reprinted from Bulletin No. 141, Agricultural Experiment Station, Rhodes Island State College.

Principles and Practice of Poultry Culture

A NEW book by John Henry Robinson, Editor of Farm-Poultry, Boston, Mass. A book for agricultural college classes which aims to give the student a concise and complete statement of essentials and to provide for the teacher a textbook which is easily adapted to long courses, short courses, and extension courses. While omitting nothing, it gives full scope to the teacher who desires to expand the treatment of any topic. Poultry Culture is treated as a branch of agriculture and as a necessary permanent feature. Attention is directed to the general likeness of domesticated land birds, and the relations of this fact to good poultry practice are emphasized. In the discussion of such topics as feeding and breeding, the intimate association of the scientific and the practical in the everyday work is made clear. The book is elaborately yet appropriately illustrated. More than five hundred cuts from photographs and drawings, systematically arranged with reference to the text and to each other, show graphically the evolution of methods and systems of poultry keeping, the development and range of types of structures for poultry, common appliances and the methods of using them, the characteristics of the different kinds, classes, breeds, and varieties of poultry, etc. The general list of references includes all important poultry books and bulletins. The glossary is carefully compiled and includes all words used in the text in a technical sense. Though written primarily for students the book meets all requirements of a general treatise on poultry culture. The price of the book is \$2.50. Ginn and Company, publishers, Boston, New York and Chicago.

The American Poultry Association will hold its sessions at Nashville, Tenn., in August, in the State Capitol Building, in the Hall of the House of Representatives. No better place could be secured for the meetings, as the Capitol Building is situated on a high hill in the center of the city, and the immense hall is at all times cool and inviting. A splendid gallery surrounds the Legislative Hall, which will accommodate all the visitors and citizens who are interested in poultry and care to attend the Conventions.

Through Capt. T. F. Peck, Commissioner of Agriculture of the State of Tennessee, the State Capitol Building was tendered the American Poultry Association for their use while in session in the city of Nashville. Capt. T. F. Peck himself is much interested in the poultry industry in Tennessee, and as Chairman of the State Fair Board of Trustees has done much for the poultry breeders in his State.

PROGRAM OF THE THIRTY-SEVENTH
ANNUAL MEETING OF
The American Poultry Association
TO BE HELD AT NASHVILLE, TENNESSEE,
AUGUST 9-15, 1912



FRIDAY, AUGUST 9, 10 A. M.

(Meetings of the Executive Board will be open to members of the American Poultry Association.)

Meeting of the Executive Board, in the Assembly room, twelfth floor of the Hermitage Hotel.

SATURDAY, AUGUST 10, 10 A. M.

Meeting of the Executive Board.

MONDAY, AUGUST 12, 9 A. M.

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

Address of welcome by Hon. B. W. Hooper, Governor of the State of Tennessee.

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

Roll call of members by States.

Approval of minutes of last meeting.

Report of Election Commissioner.

Election of Board of Review.

Appointment of Committee on Credentials.

Monday Afternoon 2 O'Clock.

Report of Executive Board on application for membership; charters granted to Branch Associations; annual report and recommendations. (All reports, as soon as made, will be open for discussion and motions to carry their recommendations into effect.)

Annual report of Secretary.

Annual report of Treasurer.

Report of Finance Committee.

Report of Board of Review under suspension of rules.

Report of Committee on Credentials.

Ladies' tea and musicale at Hermitage Hotel.

Monday Evening.

Grand reception at 8 p. m., followed by Grand Ball, Hermitage Hotel. The Hotel beautifully decorated for the occasion.

TUESDAY, AUGUST 13, 9 A. M.

Report from and regarding Branch Associations. (All reports must be in writing and signed by the President and Secretary of the Branch.)

Report of Committee on Bureau of Lecturers, G. C. Watkins, Chairman.

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

Tuesday Afternoon, 2 O'Clock.

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

Report of the Committee on Market Egg and Poultry Standard, Robert H. Essex, Chairman.

Report of the Committee on Show Blanks, W. Theo. Whittman, Chairman.

Lawn Fete and Musical at the country home of Hon. Percy Warner.

Tuesday Evening.

"Progressive Poultry Culture." Illustrated lecture by Prof. A. A. Brigham, Director of the South Dakota Agricultural College, Brookings, S. D.

WEDNESDAY, AUGUST 14, 9 A. M.

Report of the Secretary on Contest for separate Breed Standards.

Report of Committee on Editing and Publishing, Second Edition, 1910 Standard, F. L. Kimmey, Chairman.

Report of the Standing Revision Committee on 1915 Standard, Reese V. Hicks, Ex-officio Chairman.

Wednesday Afternoon, 2 O'Clock.

Consideration of proposed amendments to the constitution and by-laws.

"Market Poultry and Egg Conditions in the South." Address by Prof. H. C. Pierce, U. S. Dept. of Agriculture, Bureau of Chemistry, Food Research Laboratory, Field Station, Nashville, Tenn.

Wednesday Evening.

Banquet, Hermitage Hotel.

THURSDAY, AUGUST 15, 9 A. M.

Inauguration of new officers.

New business.

Report by Executive Board; judge's license granted; new members elected; standing committees announced.

Report of Express Committee, Charles D. Cleveland, Chairman.

Report of Committee on Parcel Post Promotion, C. M. Zimmer, Chairman.

Report of Committee on Organization, Wm. Barry Owen, Chairman.

Report of Committee on Medals, T. E. Quisenberry, Chairman.

Thursday Afternoon, 2 O'Clock.

Report of Committee on Show Information, R. F. Palmer, Chairman.

Election of Election Commissioner.

Announcement of Election of Treasurer.

"Poultry Shippers' Organizations and Their Place in the Industry." Address by Mr. O. P. Barry, President Southern Poultry and Egg Shippers' Association, Alexandria, Tenn.

Thursday Evening.

"Darky Life in the South," at one of the theaters.

FRIDAY, AUGUST 16, 9 A. M.

Poultry demonstration at the Naive-Spillers Packing Co.

Trip to "The Hermitage," the home of former President Andrew Jackson, where an old-fashioned Southern Barbecue will be given.

Friday Evening.

"On to Chattanooga!"

SATURDAY, AUGUST 17.

Visit Chickamauga Park, Missionary Ridge, and Lookout Mountain.

Return trip stop over at Mammoth Cave, Kentucky.

Co-operation Is Popular With Poultrymen

By O. F. SAMPSON, Youngs, N. Y.

Member Advisory Board, International Utility Poultry Association



IF ANY one had any doubts of the value of the co-operative movement in this country two or three years ago, they were seriously disturbed during the year 1911, when this system was widely distributed in many ways between the country producers and consumers by direct sales of farm and poultry products. The efforts along this line was through the "Open Markets" in our cities, and this idea is steadily gaining in popularity, though it has some serious defects. A brief glance into the benefits of this one line of co-operation during the past, will help us to understand the great benefits derived by those interested at both ends of the business.

Before Mayor Shanks, of Indianapolis, went into the experiment of being the middleman in his famous potato deal the "city market" co-operative movement had been used for several decades. In fact, it had become so common that nearly our entire country had forgotten it, and its benefits. One of our western cities had used the system for nearly 50 years, and many other cities had considered this system a part of their incorporation. A few had progressed so far along this line, that the "Open Market" was a branch of the city government, and held salaried officials. Late years the old fashioned "city market" has been disappearing, and I understand the city government of Cincinnati is one of the latest to abandon this well known and time proven benefit for its residents. Just the same, a dozen other cities of our country are using this method in some form or another, and are yearly extending the system; while other cities are adopting the idea, and proving its worth. To better understand this method of co-operation, let's briefly consider what the mayors of these cities using "open market" have to say regarding the service in answer to a letter from a well known family weekly published in New York City.

Mayor Gaynor, of New York says: "I do not think that it is any experiment to have public markets for the purpose of bringing producers and consumers together. That is done here and all over the world. The difficulty is we seem to have too few of these markets. * * * We have to do things steadily and consecutively in this world in order to do them at all."

Mayor McEwan, of Albany, N. Y., says, it has always been the policy of that city to provide a place for producers of food stuffs to sell this produce direct to the consumer without paying tax. Formerly the producer was allowed 500 feet upon State Street for stalls. When the room was needed for commercial use a city market square 235x270 feet was furnished, maintained, and managed by the city. An inspector is appointed at \$1,200 yearly salary by the mayor, and the salary is paid from fees charged the producers who have about 150 stands. One-third of these are leased at \$100 to \$300 yearly, and the others are free. Other market space not leased is set apart for free use of farmers, market gardeners and poultrymen to sell their produce. Market open daily except Sunday.

One of the most "Open Markets" is in Toledo, O. Their well known Mayor Brandt Whitlock believes the city should have a market open to every producer, without license, except for regulation purposes. Only peddlers and hucksters to be charged for license is the system he would endorse. Mayor Whitlock would adopt the German system to establish municipal abattoirs and break meat famines and Trusts.

Baltimore, Maryland, Asks \$5 Per Year.

This gives the city a real market, open to all producers consumers avail themselves very largely of these benefits. who care to enter. This allows stalls and wagons, and the There is little complaint in Baltimore of the middleman, because they have little use for him. Baltimore is known as a "city of homes," and a city of moderate prices.

Rochester, N. Y., has a public market system based upon our system. No farmer or others are allowed to annoy the people by hawking their wares on the streets. The market has police protection, and producers, consumers, and many commission men all work together practically.

Cleveland's Mayor Blames Middlemen.

Mayor Newton D. Baker, of Cleveland, blames the middleman for "high cost of living" in his letter of reply. He is quoted by his letter as follows: "I think it entirely clear that a larger part of the high cost of living, which at present is so grievously afflicting the people of our country, is due to the inordinate profits of the middlemen, and the open market seems to be the only way of restoring the balance. * * * In other words, a license for regulation, but not for revenue, would seem to us tolerable. Various sanitary regulations would, however, have to be made to prevent the open exposure of products which would be rendered unwholesome by such exposure. These details, no doubt, could be satisfactorily adjusted."

Syracuse, N. Y., established a public market 12 years ago, in a new municipal market building, and in it are the offices of the Market Custodian and Assistants. Stores are also rented in this building for produce by bids. These stores are used to sell direct between producer and consumer. The market is made self-sustaining by fees to the producer: 15c for 1 horse vehicle, and 25c for 2 horse wagons of produce is asked for handling the produce. Each producer is furnished a ticket good for one day at the market, or store. Many people take advantage of buying here, and the "open market" is said to be a success at Syracuse. Newspapers quote daily prices at the public market for all produce, and every effort is used to escape the middleman.

Mayor Richardson believes the open market at Richmond, Va., keeps down prices on farm products, sold there direct to consumers.

Seattle, Wash. A Banner City.

Probably no city in the country leads Seattle, Wash., for open markets. This city has two produce markets, known as "Pike Place Market," and "West Lake Market," both are composed of large buildings filled with stalls and rented to local merchants—but a farmer's section is given in each. Saturday is the big day, and so crowded is the markets and streets by producers selling produce that the city has erected stalls inside the sidewalks for their use. Forty feet of these are sold at auction to highest bidders. Last year it was found necessary to charge 20c per day to each producer, and this included the use of tables to display his produce upon. The charge proved higher than necessary, and has been reduced to 10c per day. The only thing I see to criticize in the city market of this city is the private ownership of the buildings which they allow special privileges, etc., in renting the stores or stalls.

The above instances prove conclusively the great value of the public city markets, which is only one branch of the present co-operative market system. Its objection is the fact that by far the larger per cent of our producers can not patronize them. Producers nearby can attend and sell direct, but those 25 or more miles away can not. Another objection is that consumers buying from wagons, or produce drawn miles by wagon, get food more or less unsanitary and messed, especially those unable to attend sales early.

The 39th Annual meeting of the East Tennessee Farmers' Convention and Institute held at the Experiment Station Farm, Knoxville, May 21, 22 and 23, under the personal direction of Hon. T. F. Peck, Commissioner of Agriculture, was pronounced by many the most successful ever held. The poultry section was in charge of Mr. J. A. Dinwiddie, who arranged the following most excellent program:

Poultry interests of Tennessee and the South. Jas. B. Dismukes, Knoxville.

Feed and care of the hen for winter egg production. W. M. Landess, Fayetteville.

Methods of preventing loss in the marketing of poultry and eggs. H. C. Pierce, Nashville.

Methods of feeding and care of chickens from hatching to maturity. W. M. Landess.

Discussion of the most prevalent poultry diseases on the farm. Dr. M. Jacob, Knoxville.

General discussion of various subjects relating to farm poultry, led by J. A. Dinwiddie, New Market.

THE INDUSTRIOUS HEN

AND
TENNESSEE POULTRY JOURNAL

Devoted to Every Interest of the
Commercial and Fancy Poultryman
Entered at Knoxville, Tenn., Postoffice as second-class matter

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Time of Holding 37th Annual Meeting.

August, Second Week, 11th to 17th.....	809
September, First Week, 1st to 7th.....	330
August, First Week, 4th to 10th.....	225
August, Third Week, 18 to 24th.....	150
August, Fourth Week, 25th to 31st.....	103

Through an unfortunate error somewhere, Mr. Audigier's name was allowed to go on the official ballot as a candidate for second vice president. This is to be regretted, since he was not a candidate for the position, and certainly did not wish to appear in the attitude of opposing Dr. Cleckley, whose candidacy this paper espoused.

We are well pleased with the result of the election. President Hicks and Secretary Campbell have rendered the Association most effective and satisfactory service. They have many plans in contemplation for the future good of the Association, and we trust will have the sincere support of every member.

Mr. Hopper was chosen to succeed himself as first vice president. We believed it was due our brethren across the border to elect the Hon. Jos. Russell of Toronto, and that great good would come to the Association thereby. A majority of the membership thought otherwise, and Mr. Hopper will have our hearty support in every movement he may inaugurate that has to do with the betterment of the American Poultry Association and the poultry industry.

The members of the executive committee are all good men, practical poultrymen, and qualified to do valuable service for the Association. Mr. E. E. Richards is editor of the Western Poultry World at Cedar Rapids, Iowa; Mr. George H. Rudy, of Mattoon, Illinois, is a breeder of White Wyandottes, a business man of ability and a gentleman; Mr. L. C. Byce is from Petaluma, California, the town made famous by its White Leghorn farms and progressive poultrymen.

Nashville was selected as the next convention city, having a handsome majority over all contestants. We understand that Boston did not wish to be considered in the running this year, and would have been pleased to have her 120 votes recorded for Nashville.

The second week in August was selected as the time for holding the convention, 809 voters favoring this date. Over 300 favored the first week in September, many thinking the weather would be cooler in the South during that time. To all such we offer the assurance that distilled ice water is always available in Nashville, and that every effort will be made to insure the comfort of the visitors.

The official programme will be found elsewhere in this magazine. Every member of the Association and its friends are urged to be present on the first day and remain until the close. Ample provision is being made for your entertainment, and the committee will be disappointed if you are not there.—E. H. D.

Result of A. P. A. Annual Election

Mr. O. L. McCord, election commissioner, has announced the result of the annual election as follows:

Reese V. Hicks.....	President
S. J. Hopper.....	First Vice President
W. C. Cleckley.....	Second Vice President
S. T. Campbell.....	Secretary
E. E. Richards.....	Member of Executive Board
George H. Rudy.....	Member of Executive Board
L. C. Byce.....	Member of Executive Board
37th Annual Meeting Place.....	Nashville, Tennessee
Time of Holding 37th Annual Meeting	
.....	August 11th to 17th, 1912

Complete returns of votes cast shows the following result:

President.	
Reese V. Hicks, Topeka, Kan.....	1496
Henry Steinmesch, St. Louis, Mo.....	300
First Vice President.	
S. J. Hopper, Dallas, Tex.....	950
Jos. Russell, Toronto, Ont.....	833
Second Vice President.	
W. C. Cleckley, Augusta, Ga.....	905
L. B. Audigier, Knoxville, Tenn.....	836
Secretary.	
S. T. Campbell, Mansfield, Ohio.....	1692
Member of Executive Board.	
E. E. Richards, Cedar Rapids, Iowa.....	934
George H. Rudy, Mattoon, Ill.....	915
L. C. Byce, Petaluma, Cal.....	724
L. L. Haggin, Lexington, Ky.....	439
Rufus Delafield, South Plainfield, N. J.....	426
H. M. Lamon, Washington, D. C.....	346
C. P. VanWinkle, Dallas, Tex.....	337
F. M. Perkins, Freeport, Ill.....	331
A. A. Peters, Denver, Colo.....	323
R. E. Bruce, New Orleans, La.....	209
John M. Parker, Creston, Mont.....	115
Place of Holding 37th Annual Meeting.	
Nashville, Tenn.	970
Chicago, Ill.	491

Shall A. P. A. Have a Permanent Home?

Since the last issue of this magazine, in which we urged the establishment of permanent headquarters for the American Poultry Association, the movement seems to be assuming concrete form. The suggestion was first made by President Hicks several months ago, who has placed his plans before Secretary Campbell, and it now seems that the matter will doubtless come before the Nashville convention for consideration. Recently President Hicks visited Secretary Campbell at his office in Mansfield, Ohio, at which time these officials discussed the needs of the Association, its finances and possibilities. During this visit the following article was prepared for publication in the Quarterly Bulletin, an advance copy of which has been received by the writer:

One of the great needs is a permanent home for the American Poultry Association. To start the ball rolling for this needed enterprise, it is not necessary to amend the Constitution. Suitable resolutions can be adopted at any annual meeting, voting funds, or laying plans for securing these funds without Constitutional amendments.

Is a permanent home needed? Could you spend a day at the office of the busy Secretary, you would not ask that question. The Secretary has his office in his home and three large rooms, each about fifteen by sixteen feet, are taken for the desks, books, papers, etc., of the Ameri-

can Poultry Association business. In addition to this, when supplies of standards are on hand, a large part of the barn is used for storing the 25,000 standards. For this office room, no rent is paid. Thousands of valuable papers, pictures, etc., go to waste each year in the hands of private parties that ought to be collected and preserved as mementoes of the growth of the poultry industry. Only by having a fixed home of its own can the Association begin the work of collecting such relics.

But how to get the money is the important item. Here is one plan worth considering and working out in detail.

Ask the leading cities of the country to make offers of suitable sites for a home and money donations for the building. Let such offers be submitted by mail to the members of the Association at the next annual election. Allow every member to cast one vote for the city he thinks should win for every dollar he will give to the building, paying one tenth of his subscription in advance.

To illustrate, if a member wishes to give one hundred dollars to the new home, let him remit ten dollars, and he is entitled to one hundred votes. The President and Secretary will each take one hundred votes as a starter. There are thousands of poultrymen able to give sums ten times this large and will gladly do so, no doubt. A fund of ten to fifteen thousand dollars can be easily raised among the members. The city that wins should raise as much more. There is a fund of \$8,000 in the treasury that could be used. Bonds could be issued for ten thousand dollars. Thus a first class four-story building in size around fifty by one hundred feet could be built. The first two floors could be rented to other businesses and the rents pay taxes, insurance, interest on the bonds, and establish a sinking fund to eventually take up the bonds.

What say you? Have you a better plan? Or, how much will you put your name down for?

The coming annual meeting should pass suitable resolutions and start some plan working to secure the funds for this permanent home.

The plans suggested above appear feasible, and no doubt a number of our leading cities will make an effort to secure the location of the Association's permanent headquarters. In fact, we are advised that "Nashville's hat is in the ring," and that plans are already under way whereby that city will have a proposition ready to submit to the Association at the August convention. For many reasons Nashville would be a desirable location.

Members of the Association should take the proposition of permanent headquarters under advisement. The convention will soon be upon us, and the need is obvious—E. H. D.

An Appeal From Tennessee State Branch

Mr. C. L. Baker, president, and Mr. John A. Murkin, secretary of the Tennessee State Branch of the American Poultry Association, have issued an appeal to the poultry men of the State and of the South, urging the importance of membership in the Association. These gentlemen, with all others who appreciate the importance of holding the annual convention of the Association in the South this year, are anxious that Tennessee do her full share in the increased membership that should be reported from the South, and give the following reasons why you should become a member of the Association:

Because the American Poultry Association will hold its Thirty-Seventh Annual Convention in the City of Nashville, Tenn., August 12, 13, 14, 15, 16, 17, 1912.

Because the Tennessee Branch wants to make this Convention the best attended and the most interesting convention ever held in the history of the American Poultry Association.

Because it is the most influential, largest and the strongest poultry organization on the American continent.

Because there would be no pure-bred poultry business if it were not for the American Poultry Association. The A. P. A. has made the poultry business what it is today. Every bird you sell at a price above market poultry is due to the A. P. A.

Because being a member of the A. P. A. is the guarantee of your reliability, as you can print the A. P. A. emblem in your catalogues and advertisements and wear the buttons of the Association, etc.

Because as a member you can compete for valuable silver medals and the \$20.00 gold medals which are offered at each Branch Show. These are for members only. The winning of one will pay for a life membership. In addition, you can compete for the beautifully engraved, three-color special diplomas offered at all shows that are members of the A. P. A. for A. P. A. members only. These are valuable winnings.

Because by becoming a member your name is not only announced through the A. P. A. Bulletin, but throughout the country in the poultry press, thus placing your name permanently before hundreds of thousands of poultry breeders.

try press, thus placing your name permanently before hundreds of thousands of poultry breeders.

Because the Association is taking up the work of getting out Breed Standards. You owe it to your breed to help this good work by joining the Association.

Because through its committees the Association is working for better express service, lower express rates and adjusting express questions. A special committee will help you secure satisfaction from the express companies.

Because it stands for a square deal and fair treatment for everyone in every branch of the poultry business.

Because one-half of your life membership fee of \$10.00 comes back to your own State Branch to be spent right at home in promoting the poultry industry.

Because the American Poultry Association is taking up the matter of the Standards for market eggs and poultry, thus developing this branch of the poultry industry.

Because we of Tennessee, who have the greatest poultry State in the world, want to do ourselves proud in a big State membership: in a royal hospitality at the American Poultry Association Convention in Nashville, August 12-17; in a rousing, entertaining, instructive and educational meeting in the capital of Tennessee that will never be forgotten by our fellow-members from every section of the United States.

Because joining the A. P. A. is the thing for you to do alike for your own interests and progress, for the benefit of this State and for the uplift of the poultry industry.

The Tennessee Branch of the American Poultry Association needs your help right now. Why? Because it will be less than three months when the American Poultry Association will assemble in annual Convention in the city of Nashville, and the officers of the Tennessee Branch are doing everything in their power to make this Convention the greatest poultry meeting ever held in the world.

The Tennessee Branch of the American Poultry Association realizes what this Convention means, not only to the poultry breeders and fanciers of Tennessee, but the whole South, and it is their earnest desire that every poultry breeder in the State become a member and come to Nashville in August and affiliate with the membership of the State Branch in giving the members of the American Poultry Association such a royal entertainment that their meeting in "Tennessee" will never be forgotten.

The eyes of the poultry world will be upon Tennessee for the next ninety days. Will you help us show the world what we have and what we can do?

The Tennessee Branch of the A. P. A. has no source of revenue except a rebate of one-half the membership fee, which is \$10.00 for life. We do not get that unless you send your application for membership through the Branch. We need you and we need the one-half of the membership fee. Please see that your application goes through our Branch and help us and yourself by making the Tennessee Branch stronger, both in members and in finances.

Applications for membership may be secured by addressing Mr. C. L. Baker, 1772 Peabody avenue, Memphis, Tenn.; Mr. John A. Murkin, Rooms 501-502 First National Bank Building, Nashville, Tenn., or E. H. DePoy, care Industrious Hen, Knoxville, Tenn.

An English remedy for leg weakness is to give each chicken daily, four grains of citrate of iron, or five or six grains of phosphate of lime, put in the drinking water and given in pellets of meal. A good supply of nourishing food must also be offered, and it should be of a kind calculated to produce flesh and not fat—worms, ground raw bones, or chopped meat being very acceptable. Plenty of fresh green food should also be given. Let the chickens have healthy exercise and do not overfeed them or give them food that causes the formation of fat.—M. K. Boyer.

Mr. E. N. Hopkins, of Fort Smith, Ark., official organizer of the American Poultry Association, offers a handsome \$25 silver cup to the Southern Branch writing the greatest number of new members to the American Poultry Association, from the date of the Denver convention last year until the date of the Nashville Convention this year.

The egg season seems to have been generally unprofitable. The sale of eggs is reported as the worst in years, due largely to the lateness of the season, and the incessant rains in most sections. Many chicks will be hatched in June this year. More care is required for the summer chicks, but they are profitable if given proper attention.

With this issue The Industrious Hen starts upon its ninth year. Whatever measure of success the magazine has enjoyed is due to your help and co-operation. We are always glad to have you make suggestions for the improvement of the "Hen," and trust that all our future relations will prove mutually pleasant and profitable.

If you stop to look at it, a feather is a master piece of creation. The covering of birds combines in a wonderful manner, lightness and complete ventilation, is a first-class non-conductor of heat, and repels dirt.—M. K. Boyer.

OCULUM

really cures the fatal White Diarrhea, Cholera, Roup and Gapes, Sorehead and Canker. It has cured thousands of fowls and can cure yours.

Endorsed by poultry press and leading poultrymen.

"OCULUM has demonstrated its wonderful efficacy beyond any reasonable doubt."—Farm Poultry, Boston, Mass.

"OCULUM as a cure for White Diarrhea, Cholera, Roup and Gapes was demonstrated on the plants of many of the leading poultrymen, and in not one instance did it fail in its mission."—American Poultry World, Buffalo, N. Y.

"We are slow to recommend new remedies until we can personally try them out, but the strong endorsement from prominent breeders after trial is so flattering, we feel we would be doing our readers an injustice not to call attention to it."—Inland Poultry Journal, Indianapolis, Ind.

"No preparation has ever made such an instantaneous hit with poultry breeders and exhibitors as has OCULUM."—American Poultry World, Buffalo, N. Y.

"We have used OCULUM for over two years and have found it to be the most valuable remedy we have ever used for Swelled Heads, Canker, Roup, Chickenpox, and it is a sure preventive and cure for White Diarrhea in little chicks. We deem it a special favor to add our testimonial to the wonderful merits of OCULUM."—Editor Poultry Fancier, Sellersville, Pa.

"Already, in fact over a year ago, such good men as Hawkins, Lathan, Smith, Bradley, Fishel, etc., have unqualifiedly endorsed OCULUM, and this year OCULUM came into the biggest show in America (Madison Square Garden) and began at once to actually cure the birds."—Reliable Poultry Journal, Quincy, Ill.

"You surely should have a large sale for OCULUM when its qualities become known."—A. C. Hawkins, Lancaster, Mass.

"There is no doubt but OCULUM is one of, if not the greatest, poultry remedies ever brought out."—U. R. Fishel, Hope, Ind.

"We will make affidavit that OCULUM performed miracles for us."—Foxhurst Farm, Lime Rock, Conn.

"I consider OCULUM an invaluable remedy."—C. H. Lathan, Lancaster, Mass.

"OCULUM is the best medicine on the market today."—J. Gaylord Blair, Carlisle, Ky.

"I heartily recommend OCULUM to all poultrymen."—J. C. Fishel & SON, Hope, Ind.

"I regard OCULUM as a very special aid to poultrymen."—Grove Hill Poultry Yards, Waltham, Mass.

"OCULUM is a smart tonic; can't keep house without it."—Arthur G. Dustin, S. Framington, Mass.

"OCULUM has done the work and I wish to publish it all over the world."—P. J. Armstrong, Chicago, Ill.

"OCULUM appears to be the long-needed remedy for liver and bowel troubles, heretofore regarded as incurable."—Bradley Bros., Lee, Mass.

"OCULUM will cure Cholera, White Diarrhea Roup and Gapes in their worst stages."—Clayton I. Ballard, White Pine, Tenn.

Prices 50c and \$1.00 per bottle, at your dealer's, or by mail; sample 10c by mail. Circular giving Government diagnosis—free for dealer's name and address. Money back quick if not satisfactory.

HANCOCK INOCULATUM CO., Inc.
Box M, Salem, Va., U. S. A. (15)

24 LEGBANDS FREE
MAKE YOUR HENS PAY



We send free 24 of the best Leg Bands made to every new and renewing subscriber to THE INDUSTRIOUS HEN at 50c. 36 Bands will be sent with a three years subscription for \$1.00. If you are already a subscriber you may renew; or if you will get your neighbor to send 50c for his subscription, we will send a dozen Leg Bands to each. Enclose money order or stamps. Mention "Leg Bands" when subscribing under this offer.

INDUSTRIOUS HEN CO., Knoxville, Tenn.

A. P. A. Notes and Comments

By E. H. DePOY, Associate Editor

We have received a letter from Mr. S. J. Hopper, first vice president of the American Poultry Association in which he says:

"In line with recent criticism of A. P. A. finances, I beg to enclose copy of amendments I have offered to our Constitution. I believe that you will grant that they are of such a nature that it is important that they either pass or not pass."

The amendments referred to by Mr. Hopper in the letter quoted above are as follows:

Amend Article IV, Sec. 1, so as to read: The officers of this association shall be a President, a Vice President, a Secretary, a Treasurer, an Executive Board, a Finance Committee, a Standing Revision Committee, an Election Commissioner and a Board of Review.

Amend Article IV, Sec. 2, so as to read: The Executive Board after 1913, shall consist of the President, Vice President, Secretary, Treasurer together with the Presidents of all accredited Branch Associations.

Amend Article VI, Sec. 34 B, so as to read: It shall appoint one organizer to each of the districts named in Section 34 A, whose duties shall be to look after membership work in his respective district. Remuneration for this service to rest with this Association.

Amendment to abolish Sec. 34 C, Article VI.

Mr. Hopper will also offer a recommendation relative to the wholesale price of the standard.

The 1912 A. P. A. Convention.

Nashville, Tenn., has been selected by the members of the American Poultry Association, as the convention city for this year, having received a handsome majority over the cities of Chicago, Atlantic City, Detroit and Boston combined. The citizens of Nashville, the State of Tennessee, in fact, the whole South, appreciate the compliment that has been paid the capital of Tennessee and the South, and they propose to show their appreciation to this important organization by giving them the greatest reception that has ever been accorded any convention that has ever assembled in this section of the country. The South is a natural poultry field, its people are awake to the importance of the poultry industry, and its people generally realize that the coming to Nashville of the American Poultry Association in August next means much to the future development of this, one of the greatest industries in the world. The committee on entertainment has been instructed to entertain the American Poultry Association during its convention in Nashville in the most "up-to-date and approved manner," and nothing is going to be left undone to make the stay of the visiting poultrymen from every section of the United States one to be long remembered.

The programme of entertainment,

PARRISH

Originated the Light Brahma-
White Wyandotte Cross

Columbian Wyandotte

If you want the best in this breed, you had better see my catalogue before buying. I have furnished winners for shows in nearly every state in the union.

T. REID PARRISH

Licensed Poultry Judge

N. Sta., Nashville, Tenn.

Carter's World's Fair Strain of Brown Leghorns

EGGS:

\$3 and \$5 per 15

My birds have won at Chicago, Cleveland, Cincinnati, Indianapolis, and St. Louis World's Fair.

Over 500 Premiums in 7 Years.

Free circulars on matings and show record.

E. E. CARTER

Dept. 1. H. KNOXVILLE, TENN.

S. C. White and Brown Leghorns, "Ringlet" Barred Rocks, G. M. B. Turkeys, Rose and Single Comb R. I. Reds. Stock and eggs in season. Write us.

MAPLE HILL POULTRY FARM
Route 1, Box 23, Morristown, Tenn.

to be found elsewhere in this issue, will be on an elaborate scale, and has been arranged with a view of not interfering with the convention, and will last throughout the week of August 12. Any information concerning the convention may be obtained by addressing Mr. John A. Murkin, General Chairman, Nashville, Tenn.

Mr. G. C. Watkins, of Fort Smith, Ark., was recently appointed by President Reese V. Hicks, Chairman of the A. P. A. Lecture Bureau Committee, vice A. G. Phillips, resigned.

In this capacity, and with the approval of President Hicks, he is making a short trip of investigation to various experiment stations and agricultural colleges, where he expects to gather material and data for a set of stereopticon views, or slides, to be prepared by the A. P. A. for the use of licensed lecturers and school Poultry Club work, as provided for in a resolution adopted at Denver last August.

Mr. Watkins desires your assistance and advice in the selection and choice of subjects for these views, and asks you to kindly favor him with any suggestions you wish to make. He would also appreciate having you send pictures (photos) illustrating successful poultry plants of various kinds, or pictures illustrating special points to be made in lecture work, etc.

It is his purpose to close this trip at Mansfield, Ohio, where in consultation with President Hicks and Secretary Campbell, the material for the slides will be selected and catalogued.

W. F. Dietz, of Lake Charles, secretary-treasurer of the Louisiana State Branch, announces the result of the election of officers as follows:

President—H. K. Ramsay, Lake Charles; First Vice President—A. C. DeHass, Paradis; Second Vice President—D. C. Kimball, Lake Charles.

Secretary-treasurer—W. F. Dietz, Lake Charles.

Members Executive Committee—W. F. Gouthier, Lake Charles; S. M. Watson, Shreveport; R. E. Bruce, New Orleans.

For Official Show, 1912—New Orleans.

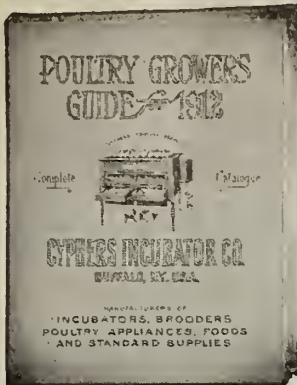
Mayor Samuel J. Shanks of Indianapolis, Ind., who will be a candidate for Governor of the State of Indiana at the June convention, has announced that he will attend the thirty-seventh annual convention of the American Poultry Association. Mayor Shanks has taken a hand in the high cost of living in his home city by bringing carload lots of turkeys, potatoes, chickens, etc., into the city and selling them to the people at reasonable prices. Mayor Shanks is known from the Atlantic to the Pacific.

The Arkansas Branch presented an elegant gold watch and fob to its retiring president, Mr. G. C. Watkins, of Fort Smith.

The corrected standard is in sight—Selah!

Leg weakness, soft eggs, egg-bound and poor hatches can nearly always be attributed to overfeeding and an extra fat condition of the hens.

EVERYTHING FOR POULTRY-KEEPERS



We manufacture more than one hundred articles for up-to-date, progressive poultry-men and women. Every article warranted to be as represented and guaranteed to give satisfaction or money refunded. Standard goods we manufacture and sell include following:

<i>Incubators</i>	<i>Laying Mash</i>	<i>Pigeon Supplies</i>
<i>Brooders</i>	<i>Short-Cut Alfalfa</i>	<i>Lice Powder</i>
<i>Brood Coops</i>	<i>Mealed Alfalfa</i>	<i>Roost Supports</i>
<i>Chick Shelters</i>	<i>Full-Nest Egg Food</i>	<i>Roofing Paper</i>
<i>Brooder Stoves</i>	<i>Nodi Charcoal</i>	<i>Spray Pumps</i>
<i>Leg Bands</i>	<i>Poultry Remedies</i>	<i>Powder Guns</i>
<i>Caponizing Sets</i>	<i>Napcreol (Disinfectant)</i>	<i>Wire Fencing</i>
<i>Chick Food</i>	<i>Anti-Fly Pest</i>	<i>Bone Cutters</i>
<i>Developing Food</i>	<i>Egg Preservative</i>	<i>Chick Markers</i>
<i>Growing Mash</i>	<i>Fumigating Candles</i>	<i>Bone Mills</i>
<i>Fattening Mash</i>	<i>Drinking Fountains</i>	<i>Roost Cutters</i>
<i>Scratching Food</i>	<i>Grit and Shell Boxes</i>	<i>Nest Eggs</i>
<i>Fertile Egg Mash</i>	<i>Food & Water Holders</i>	<i>Poultry Books</i>

Our Complete Catalog for 1912 consists of 244 pages, 7½x10 inches, and contains an illustrated description of all goods we manufacture. Eight valuable chapters on "Cyphers Company Way" of increasing egg-yield, producing prime table poultry, etc. Latest labor-saving devices and money-making ideas. FREE, postpaid, to any address if you mention that you saw our advertisement in this paper. Address Home Offices, or Branch Store nearest you.

CYPHERS INCUBATOR CO., Dept. 13, BUFFALO, N. Y.

Branch Stores and Warehouses { NEW YORK, N.Y. BOSTON, MASS. CHICAGO, ILL. KANSAS CITY, MO. OAKLAND, CAL.
23 Barclay St. 12-14 Canal St. 329-31 Pym. Court 317-319 S.W. Boulevard 2127 Broadway

Dobbs' Perfection White Orpingtons

Win at Appalachian Exposition, Knoxville, Tenn., Georgia State Fair, Macon, Ga., and the Grand Central Show of the South, Atlanta, Ga., a grand total of Seven First, Six Second, Nine Third, Six Fourth and Five Fifth Prizes. Winning at Macon, Ga., Grand Sweepstakes for Best Cockerel in the Show, Silver Cup for Best Male in the show, Sweepstakes for Second Best Cock in the Show (winning first sweepstake on S. C. Rhode Island Red cock—pretty good winning to win first and second best cocks in the show); winning more display points at these three shows than all my competitors combined. These winnings added to my winning at Augusta, Ga., Memphis, Tenn., Little Rock, Ark. and Tupelo, Miss., makes a grand total winning equaled by few breeders of the most popular chicken in the United States today.

I offer eggs from his grand flock at \$3.00, \$5.00, \$10.00 and \$15.00. Stock at \$2.50, \$5.00, \$10.00 and \$15.00. Let me help you win the Blue at your next show. Send for Mating List and buy stock or eggs.

CHARLEY DOBBS : : **Gainesville, Ga.**
P. S.—See my Rhode Island Red ad in this issue for the grandest winning of Championship for Supremacy ever made by any breeder in the South.

SOUTHLAND'S CHAMPION WHITE PLYMOUTH ROCKS

Winners of all "First Prizes" at the largest and most wonderful Poultry Show ever held in the South. Over 4,100 Entries.

MARTIN F. SCHULTES, Bartlett, Tennessee

Life Member American Poultry Association. Director Tri-State Poultry Association.
Member White Plymouth Rock Club.

COME TO TRI-STATE SHOW SEPTEMBER 23-28, 1912.



ROYAL STRAIN BARRED ROCKS

ARE STILL WINNING

WON 1st pullet, Charlotte, N. C., 1909; 3d cockerel, 1st hen, Atlanta, Ga., 1910; 1st cock, Augusta, Ga., 1910; 2d hen, Charlotte, N. C., 1910; 3d cock, 5th cockerel, 4th hen, 4th pullet, Spartanburg, S. C., Jan. 1911; 1st, 3d, 4th and 5th cockerel, 2d cock, 3d and 4th hen, 2d pen, Spartanburg, S. C., Dec. 1911, H. P. Schwab, judge. Eggs, \$3.00 per setting of 15, two settings for \$5.00.

DES-RENA POULTRY YARDS
GREENVILLE, S. C.

Save those sneezing, swollen headed fowls

Conkey's ROUP REMEDY

is guaranteed satisfactory treatment. Money back if it ever fails you. All dealers sell on this guarantee. Prices 50c and \$1.00.

FREE: A copy of the famous Conkey Poultry Book, 20 p. for name of dealer and stamps 4c.

The G. E. Conkey Co.
CLEVELAND, O. DEPT 17

QUINTESSENT ANCONAS

Winners at Madison Square, Philadelphia, Baltimore and elsewhere.

8 WEEKS CHICKS

In trios and pens—little feathered beauties well on their way. Sex guaranteed. Express prepaid on eggs. Safe delivery guaranteed.

H. E. PORTRUM

Rogersville : : Tennessee

LIGHT BRAHMAS

Best in the South. Blue ribbon winners wherever shown. Our Brahmans will win in the hands of our customers as well as they will for us. We have shown our birds at 16 shows, winning first hen 16 times, first cock and first pen 15 times, special for highest scoring female in show three times, best pen in show twice. My birds are extra large, heavy layers, and sure winners. Stock and eggs for sale at all times. Write for my mating and price list. **JOHN A. PONS**, Asheville, N. C., breeder of the champion blue ribbon winners Light Brahmans and Buff Orpingtons.

WHITING'S PARTRIDGE PLYMOUTH ROCKS



YOU, Mr. Poultryman, want the best. There was no best, as you know, merely many good ones, until recently. Then an enthusiast named Noftzger developed, after 14 years of trying, the most beautiful and useful of all varieties. He called 'em Partridge Plymouth Rocks. I can't afford space to tell you all about them, but if you are interested I'll write you a letter that will convince you. Eggs from fine Noftzger pen, \$5. Address, care Georgian, Atlanta, Ga.
—PERCY H. WHITING.

Flotsam & Jetsam

By The ASSOCIATE EDITOR

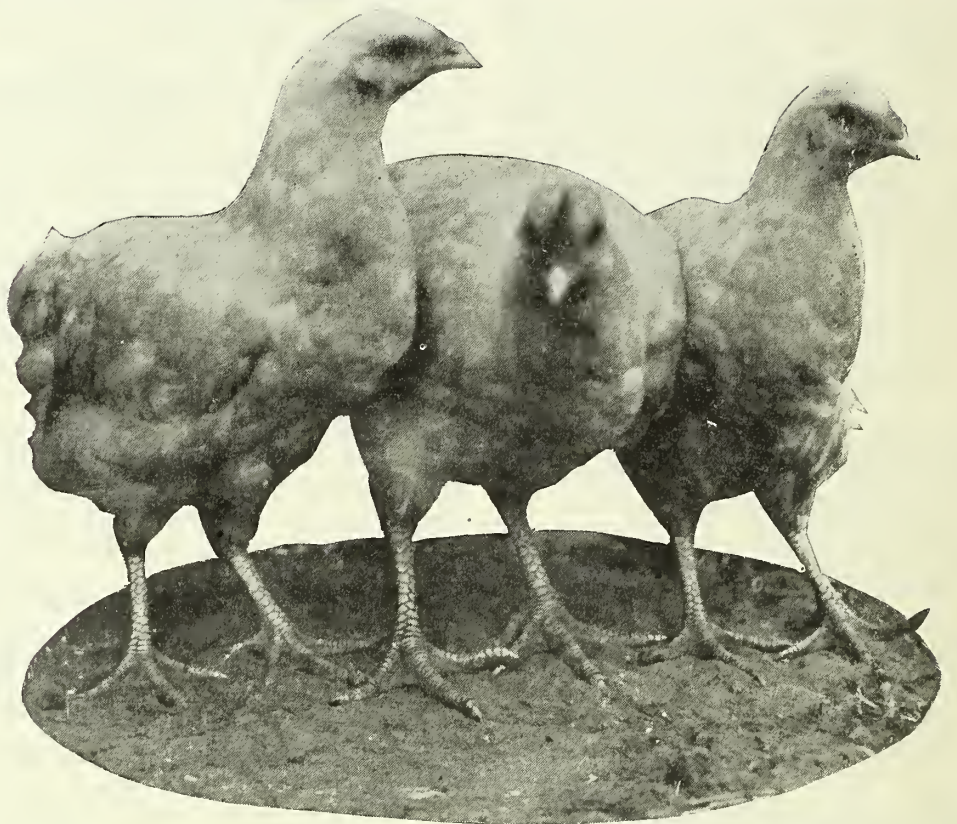
We'd Like to See Her, All Right.

Mr. W. P. Carpenter, a prominent merchant and poultry dealer of Mooresville, called to see the poultry editor Thursday, says the Charlotte, N. C. Chronicle, and told the following, which is a world's record for laying so far as we have heard:

Mr. Ed Brantley of Mooresville has a hen which is half bantam and half game. On the 8th this little hen laid eight eggs. Since the 9th of April she has laid sixty-one eggs. A party from Troutman hearing of this hen and doubting the record drove over to Mooresville and while they were there that night she laid two eggs. Mr. Carpenter says that he has seen the hen laying and that the owners are

family is reported from Lexington, Tenn. A Rhode Island Red hen laid an egg a few days ago which weighed one-half pound and measured three and a half inches long through the center and ten inches long around from end to end and eight inches in circumference at the thickest part. The hen is of ordinary size and is the property of Mrs. Ed Deloach, the wife of Engineer Deloach, of the N., C. & St. L. Railway.

United States Consul D. Baker Hobart to Tasmania has this to say relative to egg-laying competitions in that country: "Egg-laying competitions under Government auspices in Tasmania are proving a successful means of promoting much popular interest in the subject of intense egg production and are serving as object lessons to poultry raisers as to the methods which give the most profitable results. Two of these contests,



A tri of White Orpingtons nine weeks old as raised at Lackawanna, the largest poultry farm in the South. This farm has its chicks during the months of Oct., Nov., Dec., Jan., Feb. and March, and can all days supply winners for the early shows.

well-known people and would not tell about the hen if it were not true. This hen lays eggs of two colors. About half of them are white and some a cream color. Mr. Brantley was not sure it was this hen that was doing more than her duty, but put her in a pen to herself, and anyone can see her at any time.

J. E. McMillan, Savannah, Ga., has three White Orpington pullets that laid two eggs each one day. Mr. McMillan states that one of the three pullets has laid two eggs in one day a number of times this spring, but for all three of them to lay two eggs each in one day is a record that can't be beat and will doubtless stand for quite awhile.

A remarkable freak in the poultry

each lasting a year, have already been concluded, and a third will terminate in May, 1912.

"Egg production in Tasmania has improved considerably during the past year. Some few years ago this State, although it contains no large center of population, could not supply itself with eggs, and imported from the mainland of Australia. Now Tasmania exports eggs to the other States and has an increasing trade in supplying ships stores"

What is believed to be a new high record for fasting among the feathered tribe is the record made recently by a Caldwell County, North Carolina, hen. Mr. J. G. McRary, who lives on rural route No. 2, Lenoir, has a hen that lived for 25 days without food or water. Sometime ago he missed one of

DOBBS' PERFECTION S. C. RHODE ISLAND REDS

Win at Appalachian Exposition, Knoxville, Tenn., Georgia State Fair, Macon, Ga., Augusta and Atlanta, Ga., Little Rock, Ark., and Tupelo, Miss., a grand total of Sixteen First, Nine Second, Eleven Third, Nine Fourth and Three Fifth Prizes—two more First Prizes than all my competitors combined—and at these shows I met in competition with the big Red breeders, who advertise "Best Reds in the World," that their Reds "Lead the World," etc., breeders who have won at such noted shows as Madison Square Garden, Grand Central Palace, Boston and other noted shows. I entered my Reds at shows where I expected to meet the leading Red breeders and did meet them, and for my Reds to come out with Sixteen First Prizes, two more firsts than all competitors combined in six shows, in four States and under six different judges, was A GRAND WINNING FOR SUPREMACY AND CHAMPIONSHIP; and in these six shows my Reds won Three Sweepstakes out of a possible five for Best Cock in the Show, all varieties competing. My Reds won every Shape Special offered on male in these six shows; R. I. Red Club cup at Knoxville, Tenn., for best Red cock, hen, cockerel, pullet and pen in show, with numbers of other shape and color specials; A. P. A. Medal for best Red cockerel, and seven silver cups at these shows; and Grand Sweepstakes for Best Cockerel in the show over all varieties at Augusta, Ga. Note winnings of other breeders when in competition with my Reds.

Send for Mating List and be among the winners in S. C. Rhode Island Reds at your next show by buying eggs now. Am booking orders for exhibition birds to be conditioned and delivered later. EGGS—\$3.00, \$5.00, \$10.00 and \$15.00. Have about 200 head of stock to go at \$2.50, \$5.00 and \$10.00; worth twice these prices, but need the room. Every bird guaranteed to please or your money back.

CHARLEY DOBBS : : : : **Gainesville, Georgia**

P. S.—See my White Orpington advertisement in this issue.

his hens and supposed that she had been killed, but last week while moving a pile of crossties he found the hen penned in beneath them. He at once began reckoning the time, and found that it had just been 25 days since she disappeared. The hen of course was in a very weak condition, but Mr. McRary reports her to be coming around all right.

White Leghorns first, White Leghorns second, White Leghorns third, White Leghorns fourth, Black Leghorns fifth, White Leghorns sixth, White Wyandottes seventh, Brown Leghorns eighth, White Leghorns ninth and White Leghorns tenth, account for the first ten pens in an egg-laying contest in South Africa, there being twenty-five pens in competition, and nineteen of them were Leghorns.

A New York dispatch says, the next twelve months will see some new records in high prices for meats, eggs and butter, in the belief of H. L. Preston, editor of The Produce News. The cold season has put the hens far behind in their work, the expert declares, and the supply of butter in sight is not likely to balance with the public demand.

The price for potatoes would go to \$8 a barrel, he adds, if it were not for Irish and Belgian importations. The cabbage crop is short and cabbages, like artichokes, are becoming luxuries. Poultry is the one product he declares that has not risen in price by leaps and bounds.

The Columbus, Ga. Poultry Association at its annual meeting decided to hold its second annual poultry show some time during the months of November or December next. The show held last winter was a decided success, as something like 1,000 birds were on exhibition, the exhibitors being from Georgia, Alabama and Tennessee.

The officers elected to serve the ensuing year are: J. B. Banks, president; George S. Hamburger, first vice president; Mrs. T. U. Butts, second vice president, and John S. Jenkins, secre-

tary and treasurer. The directors for the new year are Messrs. W. C. Lawrence, P. B. Dexter, Ralph King, C. R. Medley, L. F. Myers, S. D. Wright and T. S. Roberts.

A letter from Indianapolis, Ind., to the Chairman of the A. P. A. entertainment committee of Nashville, says: "Indianapolis will send a large delegation to Nashville in August. We are coming through in our machines. In our party will be Mayor Samuel Shanks of Indianapolis and his family, in one machine; Dr. Johnson, a retired capitalist and one of Indiana's most prominent citizens, and his family in another machine; Mr. H. C. Dipple and family in still another. We are counting on a very large delegation in machines, as many of the prominent poultry breeders in this section own their own cars." Dr. G. W. Taylor, the famous Houdan breeder of Orleans, Ind., will come through in his touring car. Mr. Murkin is already receiving letters from various parts of the country asking that hotel reservations be made. Indications point to the greatest poultry convention ever held.

Says the American Poultry World: The fame of Tennessee as a poultry producing state is growing, and at the present rate of increase Tennessee dressed poultry and Tennessee fresh eggs will become a staple in our best markets and bring highest prices. Throughout the state are located many fattening stations, including one at Morristown. Recently the Morristown Produce Company sold a New York hotel and Steamship Supply Co., one hundred thousand pounds of choice milk fed broilers for a paltry \$30,000.00, which is only at the rate of 30 cents a pound. Stock for this order was raised on the farms throughout Eastern Tennessee and fattened at the feeding station, which has a capacity of 30,000, on a special formula of milk, oat meal, ground wheat and corn meal.

A New York dispatch says: "Much interest is centered in the holding of

eggs in the coolers in this and Jersey City. Stock has been going in rapidly and the general impression is that June 1, will see about the same amount of eggs in the coolers in Jersey City, New York and Newark as there were a year ago. The holdings in 1911 were 910,000 cases, and it is reasonably believed that it will be 900,000 cases in the three cities June 1."

The lawyer was determined to discredit the witness.

"You are positive this happened on Wednesday?" he demanded.

"I am."

"Sure it was Wednesday?"

"Yes."

"Can't be mistaken?"

"No."

"Why couldn't it have been Thursday or Tuesday? How is it that you can fix this day so positively in your mind?"

"Because," answered the witness with some spirit, "we had chicken that day. Chicken day is Wednesday where I board."—Louisville Courier-Journal.

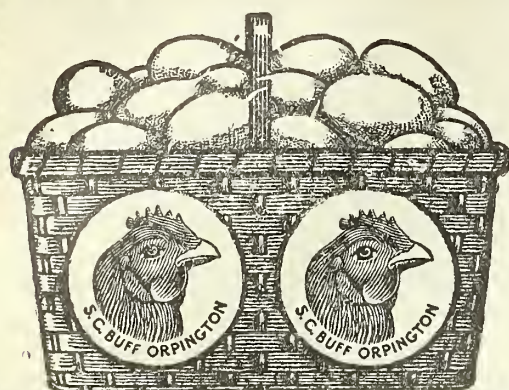
Mr. L. L. Jones leaves the Michigan Agricultural College, Poultry Department, to go to Athens, Ga. to take charge of the poultry department at the University. Mr. Jones is a capable man and we feel certain will do considerable for the poultry industry in the south.—Poultry Pointers.

The Egg committee of the Mercantile Exchange of New York has adopted the following classifications: Extra firsts, class A, must contain 80 per cent full fresh eggs and lose one and one-half dozen to the case; first, class B, 65 per cent, two dozen loss; second, 50 per cent, three dozen loss, and thirds, class A, 50 per cent and four dozen.

Mrs. Estelle Kelly, living north of Humbolt, was the recipient about three years ago of a hen and seventeen eggs from Mrs. Minnie Davidson of near Trenton, the gift being in the nature of a birthday present. This was the beginning of a poultry busi-

**ONE GALLON
ZENOLEUM
\$1.50 Ex. Paid**

We will send ONE gallon of Famous Zenoleum Disinfectant and Lice Killer, enough to make 2 whole barrels, one hundred gallons in solution, for \$1.50 Prepaid. This is the poultry remedy you see recommended so often in the writings of great authorities. It is used by 46 Agricultural Colleges and the leading fanciers of the world. Book "Chicken Chat" sent free. THE ZENNER DISINFECTANT CO., 201 Lafayette Ave., Detroit, Mich.



CEDAR LAWN
S. C. Buff Orpingtons

Won at Chattanooga show, Dec. 11-16, 1911, 128 Buff Orpingtons competing, fourteen ribbons, including four firsts. Also six specials, including \$25.00 Cup for best pen in English class. EGGS—Special Matings, \$5.00 and \$3.00 per 15; Utility, \$2.00 per 15, \$10.00 per 100.

MATING LIST FREE

CEDAR LAWN POULTRY YARDS
C. A. Sienknecht, Prop. Rossville, Georgia

— Rendotte Strain of —
WHITE WYANDOTTES

Are the kind that produce results, either in the show room or the laying house. A few surplus cockerels for sale at prices that will move them. Now booking orders for eggs for March, April and May delivery. Also a few pair of genuine Old English Runners for sale at \$5.00 per pair.

J. H. REYNOLDS

P. O. Box 300 I, : Atlanta, Georgia

Ballard's BUFF ORPINGTONS

(I HAVE NO OTHER BREEDS)

If you want to raise real BUFF ORPINGTONS that are bred right, look right, and will win and lay more eggs than any other strain, send for my handsome illustrated Mating List. Free. More BUFFS and better BUFFS than ever before. The winning and laying habit stamped indelibly in them.

W. H. BALLARD, Box H, R. F. D. No. 4, Memphis, Tennessee
BUFF ORPINGTON SPECIALIST.

EADY'S S. C. R. I. REDS

Winners at many leading shows—Birmingham, Mobile and Gadsden, Ala.; Houston, Texas; Meridian, Miss., and Tullahoma, Tenn. At the Alabama State Fair, 1910, we won three cups—two Club cups, one the Rhode Island Red Club of America for the best winnings; one the National Single Comb Rhode Island Red Club cup for the best pen of Reds. Won the other cup for the best cock, cockerel, hen and pullet. We won first pen at the Alabama State Fair, at Birmingham, three years in succession. We have won six cups in the last three years. Pens mated January first. We are now selling eggs at half price, per setting of 15. Send your order today. Some good stock for sale, write for prices.

C. W. EADY, Guntersville, Alabama

WANTED To stock large egg farms with
Lawson's Blue Ribbon strain
S. C. WHITE LEGHORNS

They are the Egg Machines. Stock and eggs from one to one thousand. Write us.

WHITE HILL POULTRY FARM

A. J. LAWSON & SONS, Proprietors.

R. F. D. No. 4, Box 2, CLEVELAND, TENN.

ANCONAS, BARRED P. ROCKS, I. R. DUCKS

Ancona eggs, from prize winners, \$3.00 and \$5.00 per 15; \$1.50 per 15 from utility matings which contain prize winning males and hens that lay. Barred Rock eggs, \$1.50 per 15. Indian Runner Duck eggs, \$1.00 per 12. S. C. White Leghorn eggs, \$1.00 per 15.

W. F. BAYLESS, Morristown, Tenn.

ness for Mrs. Kelly which has proved extremely profitable for the amount invested.

Mrs. Kelly now has thirty-six grown hens from this small beginning and during the three years has sold nearly \$100.00 worth of chickens and eggs and is well satisfied with her success. She declares that she is now going into the poultry business on a large scale and is confident that what she did with one hen and one setting of eggs she can do thirty-nine times over with thirty-nine hens.

Mrs. Hen, having performed her oviparous function, took a constitutional around the yard. Returning to her nest she found it empty and clucked angrily.

"What's the trouble, ma'am" asked the rooster.

"It's mighty funny," she grumbled, "that I can never find things where I lay them."—Boston Transcript.

The poultry industry is growing in Etowah county, Alabama very rapidly. Two years ago shipments of twenty cases of eggs a week was considered good. This spring shipments of six carloads a week have been made. Eggs from the farming communities around Gadsden are sent to that place, where they are repacked and shipped in carload lots to the Northern markets. The poultry shipments are also increasing largely.

Charles M. Reinoehl, principal of the Training School of the Alabama Normal College at Jacksonville, has put on foot a movement looking to the organization of one of the largest poultry clubs in the South. He has started with the students in the Normal College and hopes to have branches of the organization in all parts of the county. It will be operated along the same lines as the Boys' Corn Club and Girls' Tomato Clubs of the county.

Hen Has Religious Scruples.

Millersburg, Ky., is said to have a remarkable hen, which has never laid an egg on Sunday. This hen has been laying eggs for more than a year, and has never yet failed on Saturday and Monday, but has never yet broken the Sabbath. She is the property of a Presbyterian lady. On Sunday mornings she comes down from her perch a little later than the rest of the chickens and moves apart from them during the day, spending most of the time in singing alone. She can carry the tune to a number of the popular hymns and is often seen in a kneeling posture. On Monday she is the first bird to hit the ground and is ready for her daily labor. Who can say the world is not growing better?

Mr. W. I. Holmes, of Newman, Ga., sent the following to the Buff Rock Quarterly. It is worth considering: To prevent lice and mites from setting hens, I always use a new box, line the bottom with tar roofing paper, then place in my nesting material. The tar roofing which can be had at most any tin shop or roofing contractor at a small cost, will keep them away, but as a caution best to burn the old box. I have used this re-

ceipt for several years, and it is much better and easier than dusting the hens.

"Do you furnish affidavits with your eggs, showing exactly the minute they were laid?" said the fussy lady.

"No ma'am, we do not," the market-man replied politely. "We tried to furnish such affidavits but the hens positively refused to sign them."

Some startling figures as to the appetite of New York City have been gathered by the marketing committee of the state food investigating committee. Each year New York consumes between 1,296,000,000 and 1,440,000,000 eggs, the investigators learned. Each week the inhabitants eat over 1,350,000 pounds of butter, and, in the course of the year they make away with 72,000,000 pounds.

The State Board of Health of New York, has decreed that all butchers who sell cold storage meats or poultry shall put signs in their shops, stating that the stock is out of cold storage. The New York Poultry & Game Association it is claimed is anxious to have this law enforced.

The butchers heretofore have declared that they did not sell cold storage poultry, and now they come out and say they do. Under such circumstances it would be a little difficult for their customers to believe them.

WHITE ORPINGTON CLUB.

The 1912 Club Book has been issued and pronounced the best book ever issued by a specialty club. The book contains a splendid series of articles on White Orpingtons, with recommendations of the leading breeders as to mating to produce color, type, etc., and also a strong argument on what the Orpington breeders must avoid in the way of the Cochin feathering and the extreme shortness of shanks. The book also contains a list of over a thousand members. It will be sent upon receipt of 10 cents to cover cost of mailing, etc. Every lover of White Orpingtons should surely become members of this live specialty club. The initiation fee is only \$1.00, which pays 1st year's dues, and yearly dues thereafter are \$1.00 or Life Membership \$10.00. For Club Book and application blank write the Secretary, F. S. Bullington, Box 328, Richmond, Virginia.

WEBB-FOOTED BROWN LEGHORN COCKEREL.

Mr. J. H. Henderson, the Brown Leghorn breeder of Knoxville, reports a cockerel of the pullet line, now eight weeks old, which has webbed feet.

The two outside toes on both feet are webbed very much like a duck's feet, while the other toes are natural. The cockerel is a fine specimen of his kind, strong and vigorous. He was about three days late in hatching, as three different hens were used, on account of disturbance during period of incubation. Mr. Henderson would like to know if any one can explain this freak of nature.

**SINGLE
COMB**

BUFF LEGHORNS

Campbell's Buffs the best in the South. Blue Ribbon winners wherever shown.

At the Great Appalachian Exposition, won Grand Prize Silver Medal and Diploma for Best Cockerel in the Mediterranean Class, also eleven ribbons on Seven entries; specials for shape and color. At Asheville, 1910, won Grand Prize Gold Medal and Diploma for Best Cockerel in the Show. Two grand prize Silver Medals and Diplomas won this winter on one cockerel for best cockerel in shows. One pen of nice S. C. BUFF ORPINGTONS and prize-winning INDIAN RUNNER DUCKS. Write for my Mating List before placing your orders elsewhere.

MRS. C. B. CAMPBELL, - - Asheville, N. C.
THE LEADING BUFF LEGHORN SPECIALIST OF THE SOUTH.

Secretary-Treasurer North Carolina Branch A. P. A.; Third Vice-President of American Leghorn Club; State Vice-President of the American Buff Leghorn Club.

BUFF PLYMOUTH ROCKS

Winners of Five Firsts at Appalachian Exposition, September, 1911; Four Firsts and Two Gold Specials at the Great Baltimore, Md., show, January, 1912. Also winning at the Madison Square Garden poultry show of the South, Atlanta, Ga., Dec., 1911, more points than any two competitors—2-3 cock, 1-2 hen, 3 cockerel, 1-2-3 pullet, 3 pen. Five Grand Pens Mated. EGGS—\$5.00 per 15. Write for mating circular.

JEFFREY & HERVEY, Raleigh, North Carolina

HARRIS LEGHORNS

S. C. BROWN LEGHORNS—Bred to lay and win in the hottest competition. I have size, snap and vigor. 1910.—1st and 2d cockerel at Kentucky State Fair, Louisville; 1st and 2d pullet at Tennessee State Fair, Nashville. 1911.—1st and 2d pullet at Kentucky Poultry Show, Lexington; 1st cock, 1st cockerel, 1st hen, 1st pen at Tri-State Fair, Memphis. Prices right, satisfaction guaranteed.

W. LEE HARRIS : : : Greenfield, Tenn.

Indian Runner Ducks and Buff Leghorns

I am better prepared to give you good birds than last season. BUFF LEGHORNS are direct from first prize winners at Appalachian Exposition, Knoxville, Tenn., 1910. Also won first on pen, first on cockerel, Appalachian Fair, Newport, Tenn., 1911. My INDIAN RUNNERS are as good as the best. Win wherever shown. Eggs at all times. Stock all sold. Write me.

BEN CALFEE : R. 7, Morristown, Tenn.

WHITE ORPINGTONS (Exclusively)

My winnings on WHITE ORPINGTONS (Cook Strain) at CARTERSVILLE, GRIFFIN and DALTON were eight firsts, seven seconds, four thirds and five special prizes. EGGS—\$5.00 and \$10.00 per 15. Stock for sale.

H. A. BLACK, Cartersville, Ga.

EGGS=== \$2 Per Sitting of 13

S. C. White and Brown Leghorns, White Wyandottes, Barred Plymouth Rocks, Houdans, Black Minorcas, Light Brahas, Cornish Indian Games and S. C. Rhode Island Reds. Large Pekin and Indian Runner Duck eggs, \$2.00 per 11. Send for folder. It's free. Exhibited ten birds at the great Southern International Poultry Show, Atlanta, Ga., and won three firsts, three seconds and three thirds, 4,500 birds competing. Also won at Baltimore, Md.

NEVIN POULTRY YARDS, Wardin Bros., R. 7, Charlotte, N. C.

Single Comb Buff ORPINGTONS

If you want the kind that lays every day in winter and wins in every show, try my Imported Gold Medal Strain. Price of Stock—Males, \$5.00 to \$20.00, Females, \$3.00 to \$10.00. Eggs \$3.00 and \$5.00 per 15, all the time. Write your wants.

MRS. LULA LAWSON, Route 4, Box 19, Cleveland, Tenn.

S. C. CRYSTAL WHITE ORPINGTONS

Eggs from pens direct from Kellerstrass Poultry Farm, \$5.00 and \$10.00 per setting of 15 eggs. Write for catalogue and mating list. It's FREE.

GEO. M. MOSLEY : : Menlo, Georgia

BEST IN THE CAROLINAS

Our REDS and WHITE ROCKS are silver cup and blue ribbon winners in hottest competition. Thirty acres devoted to Standard-bred poultry. Mating list free. **KIRKWOOD FARMS** Paul P. Brown, Manager ASHEVILLE, N. C.

BALLARD'S INDIAN RUNNER DUCKS

At the Great Appalachian Exposition, 1911, in the largest class of Indian Runners ever shown in the United States, we won all firsts. Certified pen average 225 eggs each per duck in one year. We are the oldest Indian Runner breeders in the South. Choice breeders from the three varieties for sale after June 15th, at one-half price. Write for catalogue. CLAYTON I. BALLARD White Pine, Tennessee.



Flock of Indian Runners owned and bred by W. T. Rowland, Taylorsville, N. C. Breeder of English and American standard Runners

RAISING RUNNER DUCKS.

Indian Runners were brought from India to England about eighty years ago and from there to America about twelve or fifteen years ago. They are called Indian because they came from India and Runners because when frightened they have a peculiar way of standing nearly erect and running unlike any other ducks. They do not fly over a two foot fence and are thus easily fenced. They are very hardy and easy to raise if one knows how. Breeders need to be fed at regular times in the same place and same way each day. Any change of food, change of pens, or even strangers feeding them or going into the flock makes them nervous and they often stop laying. Start in at the first of the season like you intend to care for them without any change.

The eggs generally run high in fertility, if a drake is kept for every four to six ducks in cold weather and one to six or eight ducks in warm

weather, and not too many in a flock. Twenty is a pretty number, but forty can be kept in a flock with fairly good results.

In setting eggs under hens it is well to make the nest on the ground. Line it with straw or leaves or something soft. The moisture of the ground helps the eggs to hatch better.

If set in incubators it is well not to turn them for the first five days, and run the temperature a half degree lower at the top of the eggs than for hens eggs. Be sure to sprinkle them every day with warm water after the fourteenth day till they pip, dipping them in water one hundred and three degrees in temperature for a second each day, after the fourteenth is even better than to sprinkle. They hatch slower than hen eggs and often rest twenty-four hours in the shell after pipping. Don't be alarmed at this. The temperature should be 104 during the hatch. Duck eggs needs an incubator not so well venti-

MAKE YOUR HENS PAY

Our two BIG FREE BOOKS tell YOU how. OUR New 1912 Hatcher and Brooders will give you stronger chickens and will save half the cost. Write for FREE BOOKS today and we will tell you how to MAKE your poultry pay better than the rest of the farm.



Cycle Hatcher Company, 433 Lehigh Ave., Elmira, N. Y.

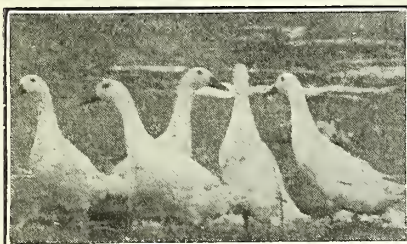
lated and that has a way of supplying moisture. They need more air than hens eggs as well as more moisture through the whole period of the incubation. If moisture and air a plenty has been supplied and temperature kept right, the eggs are pipped. Some people have success in helping the be-lated ones out of the shell, but these are generally weak ones and if gotten out successfully are frequently too weak to raise.

Ducklings should not be fed for forty-eight hours after they are hatched. The first five days feed five times a day, stale bread crumbs dried out or slightly toasted and thoroughly wet with sweet milk or water and squeezed out till it is crumbly. Sprinkle coarse sand over this, not too much. Be sure that there are no hard lumps. Ducklings choke to death easily. Always have water by them when they eat enough to put their heads under, but so arranged that they can't get in it. An empty gallon or half gallon tin can with nail holes pounded in the side so that when it is inverted in a vessel the nail hole will be just below, the top of the vessel. Fill this can with water and invert it in to a pan about one-half inch or two deep. The flare of the pan gives room for the ducks head to get under the water yet not get in. The nail hole will supply water as long as there is any in the inverted can.

Ducklings do not need quite so much heat as chickens, yet they need heat the first two or three weeks.

Do not put over fifty in one hover. If the eyes or nose get stopped up immerse the head several times in water, wash it clean.

Ducks have no diseases, but often die of indigestion or sun-stroke. If the young ones are kept too closely confined and forced with fattening food they may have leg weakness and may die of it.—J. W. Beeson, A. M. LL. D., Meridian, Mississippi.



Rhodes' White INDIAN RUNNER DUCKS

ORIGINATOR OF THE RHODES STRAIN

Great layers of large white eggs. Can spare a few choice breeders. Eggs, \$5.00 per 12.

MRS. A. N. RHODES : New Castle, Indiana

R. C. R. I. REDS, WHITE INDIAN RUNNERS

RED EGGS HALF PRICE AFTER MAY 15th

Two cock birds and a few breeding hens for sale. Cheap to make room. Young exhibition and breeding stock after September 1st. Get our prices. We will please you.

MRS. H. R. NUSZ & SON, Box 301, Cecilian, Kentucky

GREAT BARGAIN SALE OF RUNNER DUCKS, WHITE ORPINGTONS

We find ourselves with large flocks of RUNNER DUCKS and WHITE ORPINGTONS that we must turn into money at once. If you desire to buy any of these, now is your chance. Write us for our very low prices on really good stock.

MUNNIMAKER POULTRY FARM : Normandy, Tennessee

Indian Runner Ducks

I will close out my yards of pure bred Indian Runner Ducks at a big bargain Yards contain 18 of the finest specimens. The first check for \$25.00 gets them.

A. S. BELL

R. 13, : Knoxville, Tenn.

GUARDING AGAINST GAPES.

We shall soon hear, as we usually do about thistime each season, that the gapes are prevalent among the young chicks on many farms. Perhaps the disease has been present each year in the past on these farms and their owners have come to expect it as soon as they have a nice lot of young chickens on hand. There will be a call for remedies and, it is to be hoped, some chicken-raisers may inquire whether or not there is any way of preventing the disease. When a poultry-raiser begins to seek for a way to prevent this disease, he is on the right track.

To prevent gapes, if possible, is better every time than any attempts to give relief after the chicks are affected. Gapes can be prevented, as many poultry-raisers will testify.

This disease is caused by the presence in the windpipes of the little chickens of a small red two-headed worm which attaches itself to the mucous lining of the windpipe by means of its heads. There it clings, obstructing the passage of air to and from the lungs, sapping the very life of the little chicks. These worms are gathered in an embryo state from filthy or unclean ground. Uncleanliness or damp conditions always promote the disease of gapes. Rich, moist places, such as are favorable to earthworms, are always favorable to gapeworms.

It is obvious, therefore, that cleanliness is a preventive of gapes. Keep the runs and coops free from filth and dampness. Well-drained yards, or yards located on an elevation, are always best for chicks and old fowls, too, for that matter. Feed the little chicks on clean boards rather than on the ground. During damp weather, a good preventive measure is to sprinkle air-slaked lime freely over the chickens' runs. The lime will destroy any worms or their eggs which may be present in the ground.

Yards over which any considerable number of affected chicks have run are pretty sure to be the source of gapes year after year if they continue to be used, hence, under such conditions, a clean, fresh location where gapes have never been present is desirable. The old runs will "clean" themselves in about two years if let alone, or matters may be hastened by turning under the surface soil with plow or spade in the fall and again in the following spring, and scattering lime freely over the ground. Some poultry-raisers who have only a small plot of ground for their chickens and are unable to provide fresh runs each year, apply the above process to their yards each fall whether gapes were prevalent among their little chicks or not.

As for cures and remedies for chicks

**WESTERN UNION TELEGRAPH COMPANY
NIGHT LETTER**

The Industrious Hen,
Knoxville, Tenn.

Offer for sale one thousand of our famous LACKAWANNA WHITE LEGHORN BREEDERS. We have been most successful this season. Must have room. Ten females and one male, twenty dollars. Four females and one male ten dollars. Snow white, strong, beautiful, laying. This blood will improve any flock in America.

THE LACKAWANNA POULTRY FARMS,
Jacksonville, Fla.

CHOICE POULTRY YARDS

Nine Varieties: S. C. WHITE LEGHORNS (Specialty), S. C. BROWN LEGHORNS, S. C. BLACK MINORCAS, WHITE WYANDOTTES, ROSE and S. C. RHODE ISLAND REDS, S. C. BUFF ORPINGTONS, S. S. HAMBURGS, and BLACK BREASTED RED GAME BANTAMS, Breeding yards composed of the very best and finest to be seen in any yards. Some fine breeders for sale at reasonable prices, backed by our guarantee. Send us your orders: we will send you the very best we can afford for the price, and guarantee satisfaction or refund your money. Catalogue free.

J. P. SWIFT & SON, : Waynesville, N. C.



Single Comb Brown Leghorns

COCKERELS AND PULLETS FOR SALE

Eggs from my best pens at \$2.50 per setting of 15; \$10.00 per 100. I have other pens mated for laying purposes at \$1.00 per setting and \$6.00 per 100. Circular free.

M. S. COPELAND, : R. F. D. 1, Powell Sta., Tenn.

**Buff Ply. Rocks, "Giant" Strain Bronze Turkeys
and Indian Runner Ducks**

Quality backed by years of careful breeding. Our birds are winners in our hands and customers at Louisville, Cincinnati, Chicago, Boston, Indianapolis and Atlanta. If you wish quality, combined with honorable treatment, we can fill your orders and at prices most reasonable. Stock in either variety mated, no kin, and in any number. Write for prices, etc.

J. C. CLIPP - - - Box 700, Saltillo, Ind.

**Mammoth Bronze, Prize Winning Narragansett
and Prize Winning Slate Turkeys**

Eggs for sale. Three Bronze flocks headed by first prize winners. First flock headed by first cock, Boston Poultry Show. Hens, prize winners at Louisville Poultry Show, Central Kentucky Poultry Show, and Fanciers Association Show of Indiana.

TALBOTT & GAITSKILL : Austerlitz, Kentucky

BARRETT'S BLUE RIBBON STRAIN

MOTTLED ANCONAS

Are the kind that Win and Lay. Also S. C. WHITE ORPINGTONS. Stock for sale. Eggs at half price after 1st of May. Write me for My Mating List and Winings.

L. M. BARRETT, : : Morristown, Tenn.

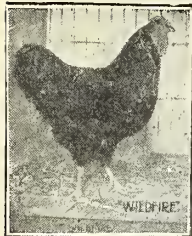
RICHARDSON'S ROSE COMB REDS

MADISON SQUARE GARDEN, BALTIMORE, HAGERSTOWN, won this season five firsts, four seconds, four thirds, one fourth, five fifths. WRITE YOUR WANTS.

M. C. RICHARDSON, JR. : Front Royal, Va.

MEMBER RED CLUB and AMERICAN POULTRY ASSOCIATION.

LEG BANDS
A 9663
SAMPLES FREE
Send name on postal now for free samples of most complete line of highest quality bands for every use. Or order now from this advertisement. Money back if you want it. SMITH SEALED. Used by America's leading Fanciers. Prices: 12, 30c; 25, 50c; 60, \$1; 100, \$1.50; 500, \$5.50; 1000, \$12.50; postpaid. LEADER ADJUSTABLE: Smoothest, most secure fastening ever invented. Prices postpaid: 12, 15c; 25, 25c; 50, 40c; 100, 65c; 250, \$1.50; 500, \$2.75; 1000, \$5.25. Samples of these and other styles Free—also fine booklet. THE KEYES-DAVIS CO., Ltd., Mfrs. Dept. 520, Battle Creek, Mich. Leader Adjustable



RHODE ISLAND REDS

SINGLE AND ROSE COMBS

HALF PRICE SALE NOW ON. Eggs, baby chicks, stock. Send in your order at once.

Get our Special 1/2 Price List. Have you seen the second edition "Origin and History of Rhode Island Reds," 56 Pages? If not, send 20 cents in stamps or silver and one will be sent.

BUSCHMANN-PIERCE RED FARMS, Carmel, Ind.

GABHART'S WHITE LEGHORNS

50 hens and 5 cocks for sale at a bargain. Also pullets and cockerels in large or small lots. You know my show record.

W. E. GABHART, : Box M, Bohon, Ky.



Mammoth Bronze TURKEYS For Sale

Old and young stock from two magnificent flocks, mated for largest size and best plumage. When buying be sure you buy the best. My breeding toms for six years have weighed from 43 to 50 lbs. at 18 and 20 months of age. Won many prizes in the leading shows, scoring from 96 to 97 1/2 points. I can furnish you young stock that will grow that way for you. Do not delay buying your breeding stock early. Also Banded Plymouth Rock Chickens from the best prize-winning blood. Eggs in season. Member A. P. A. MRS. J. C. SHOFNER, Booneville Poultry Yards, Route 1, Mulberry, Tenn.

PATTERSON FARM

WHITE PLYMOUTH ROCKS AND S. C. BUFF ORPINGTONS

The fact that my birds have won over forty prizes including five cups and cash specials in three shows this fall, should determine the real quality of the Patterson Farm birds. Nothing but high class stock. Every bird sold shipped on approval. We still have for sale good breeding and exhibition birds and our prices are right. Would be glad to quote you our prices.

PATTERSON FARM, :: :: :: Fitzgerald, Ga.

Densmore's S. C. W. Leghorns

WIN, LAY AND PAY

To make room for growing stock, we will offer a few choice breeding pens at half price. Also 500 one and two year old hens at \$1.00 and \$1.50 each.

THE DENSMORE POULTRY FARM, Inc., Roanoke, Va.

CRYSTAL WHITE ORPINGTON EGGS

We will not offer you a single egg this year that is not from a pen headed by a prize-winning bird. Get our Mating List and look it over, and we are quite sure we will get your egg order.

WHITE FEATHER FARM, Route 1, Liberty, Indiana

S. C. RHODE ISLAND REDS

EGGS FROM MY TOMPKINS' S. C. REDS AT HARD TIME PRICES. IF YOU WANT REDS, WRITE

JOHN W. BROWN, R. 1, Straw Plains, Tenn.



Big reduction in price of eggs and chicks. RHODE ISLAND REDS, WHITE LEGHORNS, INDIAN RUNNER DUCKS. Get catalogue. DEPT. A, WINTER PARK, FLA.

KELLERSTRASS' STRAIN

SHEPPARD'S STRAIN

WHITE ORPINGTONS AND MOTTLED ANCONAS

Special spring price. Prize matings \$2.00 per 15.

COLE & GEORGE, Members International Ancona Club. 33 West End Place, Atlanta, Ga.

affected with the gapes, there are several, all more or less successful. Some obtain good results by using a twisted horsehair doubled, inserting one end in the chick's windpipe and by a twisting motion dislodging and removing the worm, or worms. (There may be several worms in the windpipe of a chick.) The success of this treatment depends a great deal upon the skill of the operator and the size of the chick. The windpipe of a very young chick is a small and very delicate organ, and care must be used, or more harm than good may be done. This treatment can be used most effectively upon large chicks, but these will usually recover without any treatment.

Spirits of turpentine is considered a good remedy by many. A very sick chick may be given a drop of turpentine upon a bread crumb. Remedies used as irritants are sometimes resorted to, such as burning tobacco in such a way as to let the smoke circulate among the chicks, sifting lime through a cloth onto the affected chicks until they cough freely, or burning carbolic acid so as to permit the fumes to reach the chicks which have been confined in a box or basket. The irritation set up by these remedies dislodge some of the gapeworms and induces the chicks to cough them up. One should understand administering these remedies pretty thoroughly before undertaking to treat a large number of chicks. There is danger of suffocating the little birds.—W. F. PURDUE, in Farm and Fireside.

POULTRY RAISING AT GEORGIA STATE COLLEGE OF AGRICULTURE.

One by one the various experiment station and agricultural colleges are meeting the calls made upon them by the people of their vicinity. As poultry raising has increased rapidly in popularity in the past few years, the people so engaged have felt the need of an experimental poultry farm where questions pertaining to the science of poultry raising could be worked out at the state's expense, and given to those interested. It is to meet such a demand in the South that the Georgia State College of Agriculture, located at Athens, Georgia, is establishing a model poultry plant.

Expanding in as many directions as is this college, its appropriations for the poultry department the first year are somewhat limited. Nevertheless, several thousand dollars are to be expended this season, and a good start has already been made. Incubators are hatching four varieties of standard-bred utility chicks, and colony houses are being erected to care for these. A model incubator cellar and superintendent's headquarters will soon be erected, and during the summer a long laying house will be started.

This plant is to be a commercial

EGG LABELS

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KNOXVILLE, TENN.

MY GREAT INCUBATOR OFFER HAS BEEN ACCEPTED

by thousands of satisfied customers. During all of this season I have been selling

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incubator at just about 1-2 the price that any machine of anything like the quality has ever before been sold for. If you did not get yours you are money out of pocket unless you write at once for particulars.

Send today for prices and full information. Address

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type, dealing primarily with the utility fowl. One thousand hens will be kept as soon as suitable buildings and yards can be provided, and all common varieties of fowls will be represented. The special aim of the department will be to help the farmer substitute a good standard-bred utility fowl for his mongrel varieties, to increase the egg yield in the state, to better the quality of poultry products consumed and sold, and to find and help maintain the best possible markets for these products.

FIRST HALF OF NATIONAL EGG LAYING CONTEST ENDED.

The record for the first half of the National Egg Laying Contest, at the Missouri State Poultry Experiment Station has been made. A total of 12,458 eggs were laid in this contest at Mountain Grove, Mo., during the 30 days in April, which makes a grand total of 41,131 eggs for the first six



Brown Leghorn Cock, Property of N. B. Spearman, Ida, La.

months. Fifty-two pens of five birds laid more than 100 eggs each during April. The Barred Plymouth Rocks of O. E. Henning, of Mead, Neb., won the Golden Egg silver cup with a record of 137 eggs in 20 days. This is a record that is hard to beat, five pullets laying 137 eggs out of a possible 150. This pen of five birds laid five eggs for 30 days in April, one laying an egg every day. This pen laid 35 eggs in one week. Barred Rock pullet No. 412 laid an egg every day for 47 consecutive days, then went broody but has begun laying again. The Black Orpingtons have again gone to the front and again lead all the pens. The Leghorns and smaller breeds are coming up at a rapid gait, and will give a good account of them-

selves before the year is ended. They being a close feathered bird and smaller in size, the severe winter weather gave them a setback from which they are now recovering and gaining ground.

Considering the weather and the great obstacles which we have had to overcome, we are well satisfied with the record for the first half of the year's test. It may interest some to know that some of the pens in the contest contained pullets just frying size when they were received here last October. The pullets in some pens just averaged about two pounds each. These had to be grown and matured before they could begin to lay and this cut our record and averages. A large number of the birds in this contest are hens. We have a number of hens that are three years old. We notice that the North American States that there is only one pen of hens in the Connecticut contest. The majority of our hens are not doing as well as the pullets.

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1 lb bring only 15¢

CAPON bring the largest profits — 100% more than other poultry. Caponizing is easy and soon learned. Capons sell for 30c. a pound, while ordinary poultry brings only 15c. a pound. Progressive poultrymen know these things and use

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Sent postpaid, \$2.50 per set with "Easy-to-use" instructions. We also make *Poultry Marker*, 25c. *Gape Worm Extractor*, 25c. *French Killing Knife*, 50c. Booklet, "Guide for Caponizing," FREE.

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White ORPINGTONS

SPECIAL REDUCTION OF 1-2 ON EGGS

AFTER MAY 10TH SUPERB TYPE SUPERIOR QUALITY.

My birds are absolutely white, of that deep-bodied type, low down on legs, up to weight, and I know I can please you. At the last and greatest show held at Madison Square Garden. I again control the winning male birds. My winnings include First Cock, Third Pen, Fifth Pen, and the Cockerel heading the first pen. The winning cock is without doubt, the greatest White Orpington in the world, having defeated the Crystal Palace champion and all the great cocks of America.

GR - AT STAMINA AND VIGOR

Are to be found in my birds not usually found in White Orpingtons. One hundred acres in **RUSSELL CAVE POULTRY YARDS** and over **SEVEN THOUSAND ACRES IN "ELEMENDORF FARM."** Every bird guaranteed as represented and sold with the privilege of return. Write us today for Catalogue and Mating List which gives full winnings of previous years at Madison Square Garden, Allentown, Kansas City, Baltimore, etc. **OLD ENGLISH SHEEP-DOGS FOR SALE.**

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THE WORLD'S BEST WINNING STRAINS

Buff Rocks, Buff Cochins, and Red Pyle Game Bantams

Our birds made exceptional winnings at Memphis, Atlanta, Augusta, Birmingham and Hagerstown, Md. Eggs from championship matings, \$10.00 per 15; exhibition matings, \$5.00; good matings, \$3.00. 10 Chicks Guaranteed. No cheap birds, but grand ones reasonable.

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JACKSON STRAIN—The World's Best Strain

Pearl White, big boned, cobby type and heavy winter layers. I have birds direct from the farm and some of the best ever shipped South, winning first and second prizes at Memphis, Tenn., and Jackson, Miss. Four grand pens mated and ready for business. Eggs—\$1.50, \$3.00 and \$5.00 per 15. 25 yearling hens, \$2.00 to \$3.00 each; 5 Cockerels, \$3.00 to \$5.00 each. Mating list describing each pen free.

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WHITE and BLACK MINORCAS

My birds have won more firsts and specials at Tennessee State Fair, Appalachian Exposition, Lebanon, Knoxville and Memphis, than those of any other Southern breeders. I can give you the best blood line in America. Send for folder. Satisfaction guaranteed.

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Bottom wires 1 inch apart. Will not sag or bag. Requires no boards—top or bottom—and fewer posts. Costs less than netting. We pay freight. Send for Catalog. The Brown Fence & Wire Co. Dept. 37 Cleveland, Ohio.



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Stock and Eggs for sale at all times. Send 3c in stamps for booklet and catalogue, tells how to make these breeds pay. Kling & Hawkins, Poultry Yards and Rabitry. Box "E" Meridian, Miss.



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To close out all surplus stock at once, I am offering great bargains in extra fine White Wyandottes, S. C. White Leghorns, Buckeyes and Buff Cochins Bantams; hundreds to select from. Eggs for hatching from above breeds and Indian Runner Ducks. Pedigreed Collie Pups for sale. Write your wants. I can please you.

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High class exhibition and utility stock. Satisfaction guaranteed.

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FARM-BRED STRAIN



Bred with inborn tendency to lay—long, deep bodies, low tails, pure white, healthy, vigorous. Bred and fed on scientific principles; reared under natural, congenial environments. And while I breed more especially for utility purposes, my birds have a good show record. Stock and eggs for sale.

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THE "PAT" EGG STAMP

Air cushion; the most perfect printing device ever produced for the purpose. Prints beautifully on any part of any sized or shaped egg.

Stamp, Ready for Use, Including Inked Pad, Price, Postpaid, \$1.00.

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Win for us; win for others—WILL WIN FOR YOU. Blue Ring BARRED ROCKS, WHITE WYANDOTTES, S. C. BROWN LEGHORNS, Light Fawn and White INDIAN RUNNER DUCKS. Twenty-two prizes and several specials at the South's greatest shows, Nashville, Chattanooga and Atlanta, 1911. Prompt shipment. Write me.

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Orpingtons of Merit--Buff, Black, White

Winners of two Silver Cups, Gold Medal, One Special and Thirty-two Ribbons. We have some superior matings. Stock and eggs for sale. Eggs now \$5.00 per 15. We are proud of our high percentage of fertility and our superior breeders. Orders filled as received and prompt attention to all communications.

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OPPORTUNITY IS KNOCKING AT YOUR HEN HOUSE DOOR

We can start you with BUFF ROCKS cheap. Four hens and a cock for \$15.00. We must sell all of our breeders to make room for young stock. Eggs half price. Circular free.

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LOOK! STANDARD-BRED SINGLE COMB WHITE LEGHORNS

D. W. Young's Strain. Not one drop of any other blood. 50 yearling hens for sale, 10 good yearling cocks.

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SMITH'S FINE POULTRY FARM

RHODE ISLAND REDS and WHITE LEGHORNS Exclusively. Eggs, \$1.00 per setting of 15. Safe delivery and satisfaction guaranteed. S. P. SMITH, Box 634, Guthrie, Kentucky.

HARRIS LEGHORNS

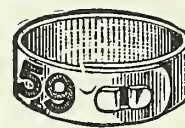
Elsewhere in this issue will be found the ad. of Mr. W. Lee Harris, Greenfield, Tenn. Mr. Harris is a breeder of Single Comb Brown Leghorns, and has been a consistent winner at such shows as Kentucky and Tennessee State fair, Kentucky State show at Lexington and Tri-State fair at Memphis, Tenn. We are personally acquainted with Mr. Harris and unhesitatingly recommend him as a gentleman of high integrity and those desiring to purchase eggs from him may do so with the utmost confidence.

Overcrowding of the poultry house should never be practiced, as it is dangerous business. Hens in crowded quarters get the feather-pulling and egg-eating habits and are much more liable to contract disease. If more room can't be had it is best to dispose of some of the flock.

Ducks are easy to raise, will eat most anything and can be marketed eight weeks from the time they are hatched. They are good foragers and grazers, are never in the way to any extent on the farm, and should be more generally raised.

Four or five drops of turpentine is said to be a good remedy for limberneck. It may be given in bread pills, after which nothing should be given to eat for several days and the neck will straighten.

These are the days of the thoroughbred in all animal life and of the specialist in all professions. Have a definite purpose in raising poultry and stick to it.



IDEAL ALUMINUM LEG BAND
To Mark Chickens
CHEAPEST AND BEST
12 for 15c; 25--20c; 50--35c; 100--60c.
Sample Band Mailed for 2c Stamp.
Frank Myers, Mfr, Box 50, Freeport, Ill.

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For remainder of season stock reasonable to make room for young White P. Rocks, Pekin Ducks and Red and White Splashed Carneaux Pigeons. COXEYETTA POULTRY FARM, Box 64, Massillon, Ohio.

Single Comb BROWN LEGHORNS

Eggs from Atlanta and Indianapolis' winners, as I have them \$1.00 per 15. Breeding hens cheap. Write for catalogue.

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White WYANDOTTES and IND. RUNNER DUCKS

Stock and eggs, circular free.

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HEN AND CHICKS

Best Poultry book published, with The Industrious Hen for two years for \$1.00; with The Industrious Hen three years for \$1.25. Money back if not satisfied.

MONEY IN "FRYERS."

Mr. C. C. Leonard of Lexington, route 1, was in the city Monday with a coop of ten mighty fine Barred Rock pullets, "frying size." He sold them to Hotel March at 33 cents a pound, the ten bringing him \$5.94, or a little more than 59 cents each. It pays to raise chickens for the early spring market and it also pays to raise the kind that develops into broilers in time for high prices.—From the Lexington (N. C.) Dispatch.

On April 22 a tornado struck the poultry farm of Mr. Percy Thomas of near Berckman, Ga., demolishing seven poultry houses, and a barn; 200 valuable chickens were killed and other damage done.

Have you ever noticed the hens following the plow and did you observe how fast the grubs disappeared? This is good for the hens and the land also. Encourage them.

Some poultrymen claim that the strongest hatching eggs come from hens that have had a judicious amount of green bone in their bill of fare.

AMERICAN POULTRY REPORTING AND COLLECTION AGENCY.

A company has been organized at Nashville, Tenn., known as the American Poultry Reporting and Collection Agency. The officers of the Company are among Nashville's most prominent business men, and the general Headquarters are located in Rooms 1201 to 1212, First National Bank Building. Ample capital is behind the organization and the management propose to make it the strongest company of its kind in the world.

The American Poultry Reporting and Collection Agency has been organized for the sole benefit and protection of the poultry interests of the United States, and its shippers, also to every poultry publication and publications having Poultry Departments. Its business will be to handle every character of claim, bad debts, notes, etc., of every shipper of chickens, eggs, incubators, brooders, feeds, and poultry remedies and appliances of every kind, from every point in the Union, against bad debtors over the whole country, and prosecute them vigorously to enforce collections and at a reasonable fee.

The American Poultry Reporting and Collection Agency is in position to furnish reports on all customers and prospective customers in every State and County in the Union, showing financial standing, solvency, responsibility, moral standing, whether judgment proof, whether or not any amount can be collected, in short tell you who and who not to credit. Every subscriber to the American Poultry Reporting and Collection Agency will be furnished regularly lists showing every claim that has come to this Company for collection, as additional information, showing however name only of debtor, amount and for what commodity and also showing claim that have been paid and other information that will be beneficial to the subscribers.

After months of hard work and much expense, the American Poultry Reporting and Collection Agency, have perfected arrangements for not only reporting on every individual and firm in the United States, but also to handle claims, as described above, at very reasonable rates of commission, and a guarantee against court costs, attorney's fees, etc.

Mr. John A. Murkin, of Nashville, the well known poultry publisher and show manager will be associated with the American Poultry Reporting and Collection Agency in an official capacity, as one of its Vice Presidents. The Company solicits the aid and co-operation of every poultry breeder, poultry publisher, and poultry supply house in the United States, in putting the poultry business of the country on a safe paying basis, and refers any and all interested in the business of the Company to any Bank or Commercial organization of Nashville, Tenn.

The officers of the American Poultry Reporting and Collection Agency are: Volney James, President; John A. Murkin, Vice President; T. J. Moulton, General Manager; E. C. Harlan, Secretary; W. B. Marr, General Council.

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For a year's subscription to THE INDUSTRIOUS HEN, add 25 cents to the price of any book listed below.

"Hen and Chicks," or How to Make Money Raising Poultry

An all-round good book of information that is worth \$5.00 to any man in the poultry business. It gives facts and figures. No use experimenting all the time; profit by the other fellow's mistakes. Money returned if not pleased. 2d edition. 300 pages, 5½x7½, illustrated. Price 50 cents.

Brigham's Progressive Poultry Culture

A book of instruction in modern scientific poultry culture. Used as a text book in the poultry department of a dozen or more agricultural colleges and schools. Nothing of value has been omitted and nothing useless has been included. Edited by Arthur A. Brigham, Ph.D. 287 pages. Price \$1.50.

Rhode Island Reds

Origin and history of both the Rose and Single Comb varieties. How to mate for best results, by leading breeders of Rhode Island Reds. Edited by D. E. Hale, judge and breeder. Color plate of feathers by F. L. Sewell. 88 pages, 9x12, illustrated. Price 75 cents.

The Plymouth Rocks

A complete text book devoted to America's most popular breed of standard fowls. Explains standard requirements, tells how to select the right breeders and how to mate them. Edited by Wm. C. Denny and J. H. Drevenstedt, breeders and judges of wide experience. Three color plates by Sewell. 160 pages, 9x12, illustrated. Price \$1.00.

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Solves all problems of artificial incubating and brooding. Tells how to obtain strong germed, fertile eggs, how to operate incubators and brooders, grow the greatest percentage of chickens, etc. 96 pages, 9x12, illustrated. Price 50 cents.

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Used as a text book at Cornell University. Shows plans of low cost, practical and labor-saving houses, designs for inside fixtures, roosting coops and coops for young chicks, and appliances for the poultry yard. 7th edition. 96 pages, 9x12, illustrated. Price 50 cents.

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Mr. T. F. McGrew, judge and breeder, tells how to house, feed and grow Bantams, how to treat diseases, how to select and fit for the show. 72 pages, 9x12, illustrated. Price 50 cents.

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Guide to success in rearing chicks. Experienced poultry raisers furnish information on all problems connected with the breeding, rearing, developing and fattening of chicks. Article and chart on live breeding. The day-old chick business, etc. 1910 edition. 80 pages, 9x12, illustrated. Price 50 cents.

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A complete text book and instructive treatise. 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. Three color plates by F. L. Sewell. 160 pages, 9x12, illustrated. Price \$1.00.

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Experiences of successful Turkey breeders, exhibitors and judges in mating, yarding, housing, batching, rearing, marketing, exhibiting and judging Turkeys. For the fancier and the marketman. Color plate of Bronze Turkeys by F. L. Sewell. 96 pages, 9x12, illustrated. Price 75 cents.

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Is made up of articles by experienced breeders, giving methods of housing, breeding and feeding to increase egg production and make egg farming profitable. Article on pedigree breeding. 96 pages, illustrated, 9x12. Price 50 cents.

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The finest laying strain on the South Atlantic Coast. I guarantee pure white plumage, good head points and low, full tails, and full compliance with Standard requirements. I have been perfecting this heavy laying strain for eight years.

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BLUE ANDALUSIANS, White Faced Black Spanish and Silver Spangled Hamburgs, finest strains. All first prize winners at Tennessee State Fair, 1910-11. Eggs, \$1.50 per 15. H. R. Birchett, Lebanon, Tenn. 104

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INDIAN RUNNER DUCK eggs, \$1.00 for 15 eggs. Best stock, Ballard Strain. My eggs hatch. Honest treatment. Mrs. Etta Lemon, Dandridge, Tenn. 98

WHITE RUNNER EGGS, 15 for \$3.00. No stock for sale. Fawn Runner eggs, one dollar for fifteen, stock \$2.00 each. Munimaker Poultry Farm, Normandy, Tenn. 99

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WHITE INDIAN RUNNERS—No better stock, no better layers. Pure white eggs. Flock headed by 1st prize drake Petaluma, California and 1st at Tacom, Wash. R. J. Latta, Yorkville, S. C. 98

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INDIAN RUNNER DUCKS. Eggs for sale from Old English, and Light Fawn and White Strains. Pens mated by best experts. For sale, a few choice drakes. Joe H. Broyles, Box 780, Knoxville, Tenn. 98

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DARK CORNISH.—I have as fine as in the South. First prize pen at Nashville; first, third and fourth at Atlanta. Member of American Cornish Club. Eggs, \$2.00 and \$3.00 per setting. Order now and grow some beautiful birds. H. T. Long, Lavonia, Ga. 98

HAMBURGS.

SILVER SPANGLED HAMBURGS exclusively. Originator "Beauty Spot" strain, spangled all over. Winners Tennessee and Indiana State Fairs, 18 shows. Eggs, \$2.00, \$3.00 for 30. Circular free. Charley Laughlin, Bloomfield, Ind. 100

HOUDANS.

HOUDANS from the best exhibition and egg strains in America, and in our pens are winners from the leading shows of the State. Write me your wants. Dr. Leeper, Lenoir City, Tenn. 97

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BLACK LANGSHANS—Two years my birds won 29 of 35 possible firsts. Just won The Industrious Hen Cup. Strictly trap-nest records. Exhibition birds and eggs for sale. James R. Brown, Sweetwater, Tenn. 97

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S. C. WHITE LEGHORNS, S. C. R. I. Reds. Bred for exhibition and eggs. Eggs, \$1.00 and \$2.00 per 15. Send for mating list. T. H. Westbrook, Magnolia, Ark. 97

SINGLE COMB BLACK LEGHORNS—Grand stock at \$6.00 per trio. Reduction on larger lots. Eggs now \$3.75 per 100. Circular free. The Van Driest Farms, Cedar Grove, Wis. 104

FOR SALE—Eggs for hatching—S. C. Buff and Brown Leghorns, excellent strains; Buckeye eggs, Lindley stock, \$1.50 for fifteen. Mrs. Ravenel Howle, Route 1, Darlington, S. C. 98

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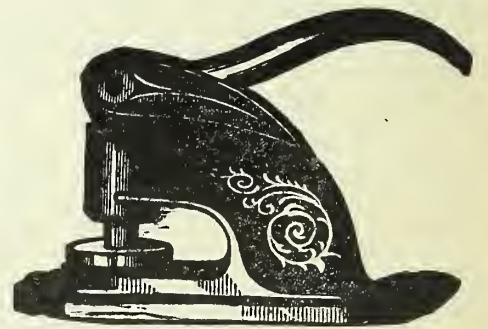
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