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CHICKS, EGGS, STOCK from New York Garden winners and sons of "Columbian Queen", champion heavy-weight laying hen; authenticated record of 286 eggs. Satisfaction guaranteed. List free.

T. J. ENSLIN, R.F.D. 2, Hackettstown, N. J.

S. C. RED EGGS

from our Original Scranton flock. During May and June, from our \$10 and \$5 matings, half from each grade, \$5 per 15. No reduction for larger quantity, but our usual guarantee as to fertility. No more orders accepted for eggs from pens A, B, C, 1, 2, and 3. If you want show birds for fall, write us now. Some extra quality breeders for sale after June 1st. It pays to get the best—why don't YOU make success certain by getting some of these "Red Quills" S. C. Reds?
Rau & Fry, Route G-1, Box 160-W, Indianapolis, Ind.



H-O Steam-Cooked Chick Feed

runs clean, even and "bright" throughout.

This feed—worked out by practical poultry men—is a scientifically balanced combination cut oatmeal, and other grains cut to pin-point fineness and steam-cooked for easy digestion by a special process in our mill.

It has been used for years by the most intelligent and successful breeders. They appreciate that if a chick cannot digest its food, it can't grow and develop.

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Write for free sample, prices and descriptive folder.

The H-O Company
Mills:
BUFFALO, N. Y.

John J. Campbell,
General Sales Agent
HARTFORD, CONN.

HAWKINS BARRED ROCKS

Champions at New York, Boston, Chicago, and San Francisco

EGGS—1 setting \$10.00, 3 settings \$25.00. Choice breeding and Exhibition Birds for Sale. Catalog of the Champions free.

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1st Hen, New York State Fair



Champion Cock, Palace



1st Cock, Chicago



In First Pen, Mad. Sq. Garden

Hatching Eggs Half Price

After May 10th you can buy eggs from any of our quality matings at half price. Baby chicks from quality matings at half price after June 1st. The 1st and 3rd Columbian Wyandotte cockerels at Madison Square Garden last Winter were hatched from the same setting of eggs on June 16th. The four White Leghorn pullets in the 1st pen at Madison Square Garden, February '16, were hatched on Decoration Day. It is the same story every year; some of the best prizes are carried off by late hatched birds that have been well cared for and are in full bloom for the big shows. We offer hatching eggs and baby chicks from some of the best matings in America in the following breeds.

S. C. White Leghorns White Plymouth Rocks S. C. Rhode Island Reds
Columbian Wyandottes Columbian Plymouth Rocks

After May 10th eggs from our best matings are \$5.00 for 15 eggs, \$9.00 for 30 eggs, and \$25.00 for 100 eggs.

We guarantee 90 per cent fertility in hatching eggs and a square deal to every customer. Write for our mating list.

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Owner

M. L. Chapman
Gen. Mgr.

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32 River Road
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New Jersey

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CHAMPION EGG
MACHINE"



"I Queen Bess—
Laid 331 Eggs in the year from
Feb. 1st, 1916 to Feb. 1st, 1917

I did this in a small coop on a back yard lot. In winter the cold wind tried to make me stop working. It did not succeed. My owner, Mrs. R., of Ohio, decided to trap-nest me after I had won attention and prizes at shows. Not only am I a prize winner but I hold the world's record for the annual production of a single bird. Mine were big white eggs—the kind that get the biggest prices. My tribe also hold the world's record of 256 average for a flock. We are noted egg machines. Our accomplishments are attracting the world. We 'make good' for our owners. My sisters and brothers will surely help you to win money and prizes. The free book, "HOW TO GAIN MONEY AND PRIZES" tells all about us. It is yours if you write for a copy. I am a Sheppard's Famous Ancona!"

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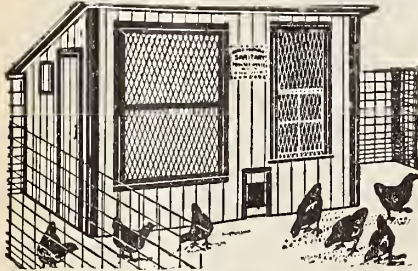
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A \$36 House, Painted

You can buy Portable Houses, Sanitary
Roosting and Nesting Fixtures, Coops,
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Houses, \$16 up. Complete hennery outfits, \$3
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35 Hen
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LESTER TOMPKINS' REDS



FIRST CKL. BOSTON FIRST PULLET, BOSTON 1st PEN COCK, NEW YORK FIRST COCK, PALACE FIRST HEN, BOSTON FIRST COCK, NEW YORK

BLOOD WILL TELL

DON'T BELIEVE IT? Ask any successful breeder and he will advise that it is absolutely necessary to have correct blood lines in order to produce winners. Have you insured your success for next season with a well-bred male or female or sitting of eggs from

LESTER TOMPKINS' STRAIN OF R. C. AND S. C. RHODE ISLAND REDS

They will help you improve the color and type of your Reds as they have done for breeders throughout the world. This strain has produced more blue ribbon winners than all others combined, which proves they are bred along correct lines. They have the rich, brilliant, red color which has made them famous as the greatest prize winning strain in existence.

THEIR LAYING QUALITIES

They are unequalled as layers. In 1905 one hen laid 74 eggs in 76 consecutive days. In 1916 I had a yearly pen record of 217 eggs per hen. One hen laid 286 eggs in ten and one-half months. This shows they are the most reliable of layers.

EGGS from the finest matings ever put together. Mated for exhibition and laying. A lifetime has been spent in establishing this reliable strain of Rhode Island Reds.

Mating List Ready.

Stock for Sale.

LESTER TOMPKINS,

CONCORD, MASS.

Rose Comb PINECROFT POULTRY FARM R. I. Reds

Entered two cockerels and two pullets in competition with the world's best breeders at the last Madison Square Garden Show.

Won 2nd and 4th Prize Cockerels,

2nd and 3rd Prize Pullets

We have been winning for years and our lines are now the strongest in our history. Fine breeding birds for sale, also eggs from prize matings. Eggs from Pens 1, 2, 3 and 4, \$25.00 per sitting of 13. For prices of eggs from other pens address,

PINECROFT POULTRY FARM,

Geo. W. Furgeson, Supt.,

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Howland's Buff Wyandottes

win Best Display, Palace Show, 1916. Also on one entry at Chicago Coliseum, won 2nd cockerel in class of 22.

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Eggs for Hatching

Five pens of high record breeders, whose trap-nest records are from 190 to 288 eggs. Birds and records will bear inspection. Eggs half price after May 1st. Write for mating list.

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The "Best-Yet" Aluminum Leg Band



cannot come off. 5 sizes, pigeon to turkey. State breed. 12-15c; 25-25c; 50-40c; 100-65c.

CELLULOID LEG BANDS—Red, Green, Amber, Pink, Black, White, Yellow, Light Blue, Dark Blue; PIGEON & CHICK sizes—12-10c; 25-20c; 50-35c; 100-60c.

POULTRY Sizes; 12-15c; 25-30c; 50-60c; 100-75c. Circular free.

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FARE \$3.50 DAILY BETWEEN CLEVELAND & BUFFALO



The Great Ship "SEEANDBEE"

The largest and most costly steamer on any inland water of the world. Sleeping accommodations for 1500 passengers. "CITY OF ERIE" "CITY OF BUFFALO"

3 Magnificent Steamers

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Leaves Cleveland - 8:00 P. M. Leaves Buffalo - 8:00 P. M. Arrive Buffalo - 6:30 A. M. Arrive Cleveland - 6:30 A. M. (Central Standard Time)

Connections at Buffalo for Niagara Falls and all Eastern and Canadian points and at Cleveland for Cedar Point, Put-in-Bay, Toledo, Detroit and all points West and Southwest. Railroad tickets reading between Cleveland and Buffalo are good for transportation on our steamers. Ask your ticket agent for tickets via C. & B. Line.

New Tourist Automobile Rate—\$5.00 Round Trip, with 2 days return limit, for cars not exceeding 127 in. wheelbase.

Beautifully colored sectional puzzle chart of The Great Ship "SEEANDBEE" sent on receipt of five cents. Also ask for our 24-page pictorial and descriptive booklet free.

THE CLEVELAND & BUFFALO TRANSIT CO. Cleveland, Ohio

BABY CHICKS HATCHING EGGS BREEDERS

QUALITY S. C. BUFF LEGHORNS

Consistent Winners at the GARDEN, PALACE, SYRACUSE

Mating List Free.

ORANGE POULTRY FARM, MANHASSET, L. I.

The Crimson Strain R. I. Reds

BOTH COMBS

Winners at the Largest Eastern Shows

Baby Chicks 15 cents each. Settings \$5.00 up. Send for Mating List.

CHINA HANCHETT,

EAST SYRACUSE, N. Y.

LOOK! 25 per cent discount on our Chicks and Eggs from our QUALITY WHITE PLYMOUTH ROCKS

There is going to be a shortage in the stock raised this season, so hatch all you can through May and June. You will get a good price for them. We can furnish you the best of Chicks and Eggs from healthy and vigorous stock.

Send us that Order Now. Take 25 per cent from prices given in April Issue.

FOREST HILL POULTRY FARM A. G. SPAHR, Proprietor Box 1220, Xenia, O.

STOP YOUR HENS

From setting by using the Humane Anti Hen Setting Device

(Patented March 13, 1917)

Guaranteed to break up the Sitting Fever in 24 hours. Try it!

Get it from your Hardware or Poultry Supply Dealer, or send us 10 Cents for sample.

Made By

UP-TO-DATE

Adv. Co.,

Canisteo, N. Y.



RAISE 90 to 100% OF YOUR CHICKS

OTHERS ARE DOING IT; SO CAN YOU

Don't let the chicks die with White Diarrhea, gapes, going light, stunted, not developing, weak legs; give them Wacker's Chick Tablets in the water from the start, then you will raise more and better chicks.

When Bidly Goes Broody

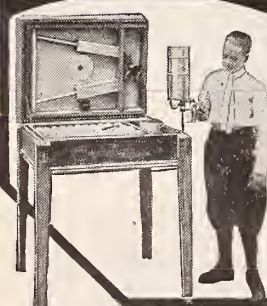
give her Wacker's Hen-Er-Ate Tablets, to break her up. When the hens lay soft shell eggs give them Wacker's Hen-Er-Ate Tablets too.

TRY THIS ONE—go in your laying house and pick out all the hens with thin breast bones, then you will have the most of the droops, pen them up and give them Wacker's Hen-Er-Ate Tablets and make the droops pay. WORMS stop egg production, Wacker's Hen-Er-Ate Tablets will clean them out.

Roup Will Not Develop

in your flock if you watch the chicken's eyes. As soon as they begin to water or small hubbles form in the corners or the nose begins to run give them Wacker's Roup Tablets. These tablets will prevent and cure roup; you can throw the axe away. Sold nowhere else. Order direct. Satisfaction guaranteed or money refunded. All tablets, Trial size 25 cts.; 200 tablets, 50 cts.; 1000 tablets, \$2.00; 5000 tablets, \$7.50. Send for Booklet "Practical Hints." It's worth money to you. WACKER ROY. CO., Box 157-A, Newark, N. J.

This 13 year-old Boy built his own Peerless Incubator



My Free Incubator Plan Book tells you exactly how to build the best incubator that can be built. You can't go wrong and it means a big cash saving to you. To save you trouble, I'll supply all the necessary mechanical parts, at low cost. They insure you a trouble-proof machine of highest efficiency at lowest operating expense.

My Sol-Hot Wickless Lamp is the greatest invention ever offered the incubator world. Makes a clear, blue flame: smokeless, sootless, odorless—intensely hot. Insures even heat through visible feed. Easily attached to any incubator. Means bigger hatches.

Write at once for my Free Incubator and Brooder Plan Book and Catalog.

H. M. SHEER CO., Dept. 18, Quincy, Ill.



Get on the Profit Side of Poultry



Much Poultry Profit Is Lost because of lack of system —the poultry man following merely his own inclination and convenience, like the man who enthusiastically spades and plants his garden in April and winds up with a scythe in July.



A Hen Should pay the same profit each month in the year. She can even be kept laying all through the moult by increasing the proportion of Lee's Egg Maker.

Our "Big Five" is LEE'S EGG MAKER, LEE'S LICE KILLER, GERMOZONE, EGG-O-HATCH and EGG-O-LATUM. Each is a profit maker or a profit saver.

Some Are Direct and heavy profit makers, as

Egg-O-Hatch A 50-cent package treats 600 eggs and is guaranteed to bring an average 10% better hatch and all chicks stronger and easier to raise. That is 60 extra chicks at 15 cents each, or \$9. on an investment of 50 cents. Then—

Egg-O-Latum An April or May egg, coated with Egg-O-Latum, cannot be told in December or January following, from an egg a week old. There is no evaporation, no air-cell, no contracted odors, no deterioration; the yolk whole and in the center of the egg; poaching, boiling, frying and beating as if under a week.

Some people believe it necessary for hens to rest from laying for a while each year. This is not the case. A hen will continue to lay throughout a normal lifetime and pay a profit every month of the year, if properly handled. The sooner she delivers her output, the better.

I will prove this for you and assume all the risk, if you will make the test. I have worked out a methodical plan of treating and caring for poultry, which I have named the LEE WAY. All I ask of you is that you follow my plan three months.

If, at the end of that time, your hens have not returned a profit and you have not made more money than ever before from the same amount invested in poultry, I will refund every cent you paid me for the preparations used. I make it conditional only that you ask my advice from time to time if not doing well.

This, I am sure you will agree, is an unusual offer. Yet I make it with the fullest confidence, because I know just what the LEE WAY will do. Very many have adopted this plan. They are making THE BIG MONEY from poultry. I will even make it possible for those without ready money to pay on a profit-saving plan of 5 cents a day.

GEO. H. LEE.

"HATCHED EVERY ONE"

"Egg-O-Hatch certainly is a wonder. I used it and had the greatest success. Every hatchable egg hatched and not a cripple among them.—Mrs. Jas. Baker, R. R. 22, Box 48, Wheatland, Ind."

"97% IN FREEZING ROOM"

"I have given Egg-O-Hatch a trial and from 61 eggs I hatched 59 strong chicks—97%. Some nights it was so cold that it froze ice in the room where I had my incubator.—Mrs. G. Shipp, Bellevue, Id."

"PRESERVATIVE VERY SATISFACTORY"

"Please send me two jars of Egg-O-Latum. I have used five jars and find preservative very satisfactory. Have also distributed some among various Catholic institutions, namely: St. Louis, Mo.; Waterloo, Ia.; Kirkwood, Mo. They all think very highly of the preparation.—Rev. A. V. Nicolas."

"COULDN'T TELL FROM FRESH"

"I tried out a jar of Egg-O-Latum last summer and it worked fine; used the eggs in winter and you couldn't tell them from fresh eggs.—Ogden Feed Co., Ogden, U."

"GREAT STUFF"

"The Lee Way is some great stuff. I have 490 S. C. White Leghorn Pullets. I get now 240 to 260 eggs every day, sell all by parcel post to private trade in Chicago, at 55 cents per dozen. Germozone does keep the pullets in good health.—C. J. Helmarth, Lisnadurk Poultry Farm, St. Helena, Mich."

"A CONSTANT USER"

"I am a constant user of Lee's goods. I have a flock of 140 hens and the last year they averaged 170 eggs for each hen. I keep an accurate account of all eggs sold and what I pay for feed. I do not sell any eggs for hatching at fancy prices and buy all my feed in this city. My profits for the last year were \$225.—August Unrath, Kalamazoo, Mich."

May eggs at 18 cents plus one cent for Egg-O-Latum means 40 to 50 cents in December and January. Is it not a desirable experience?

Lee's Egg Maker It is also a direct profit maker, because it makes more eggs and eggs are what count in the yearly profit.

Lee's Lice Killer and Germozone are indirect profit makers. No hen can return a regular profit unless free from vermin and disease. There are other ways that may do, but none that will do so well with the backing of the other parts of the LEE WAY.

Lee's Lice Killer is a liquid. Applied to the roosts, etc., it quickly gets rid of lice and mites without handling the fowls—also scaly leg. Germozone is a tonic and bowel regulator; a remedy for roup, colds, canker, bowel disorders, chicken pox, etc. Best thing for chick diarrhoea; prevents contagion from fowl to fowl through the drink; kills, in the crop, germs picked up in food from the floor.

Lee's Poultry Library is also an indirect profit maker. It consists of five Lee Books, put up in a neat package and gives, in concise and easily referred to form, all the important points I have learned in my own poultry work, during thirty years, and in my extensive correspondence with others.

The Lee Library can be obtained free from any Lee dealer, or will be mailed by us, postpaid for 5 cents in stamps. At bookstores and news stands, 5 cents a set. We furnish free—the news dealer pays expressage.

A LEE ASSORTMENT for following the LEE WAY properly and most economically, consists of:

- 1 25-lb Pail Lee's Egg Maker\$2.50
- 1 Gallon Can Lee's Lice Killer 1.00
- 1 Quart Bottle Germozone 1.00
- 1 Jar Egg-O-Latum50
- 1 Package Egg-O-Hatch50
- 1 Lee Sprayer50
- 1 Package Lee's Louse Powder.
- 1 Package Head Lice Ointment.
- 1 Lee Library.

Freight paid anywhere in U. S.\$6.00

You may get any one alone from this assortment including Library, if desired

It costs but one to two cents per hen per month to follow the LEE WAY and one extra egg per hen per month pays the entire cost.

To those who have had satisfaction from use of one or two of our products,—consider what all five will do if given a chance, regularly and systematically.

Follow the LEE WAY. Write or order today.

GEO. H. LEE CO., 308 LEE BUILDING, OMAHA, NEB.

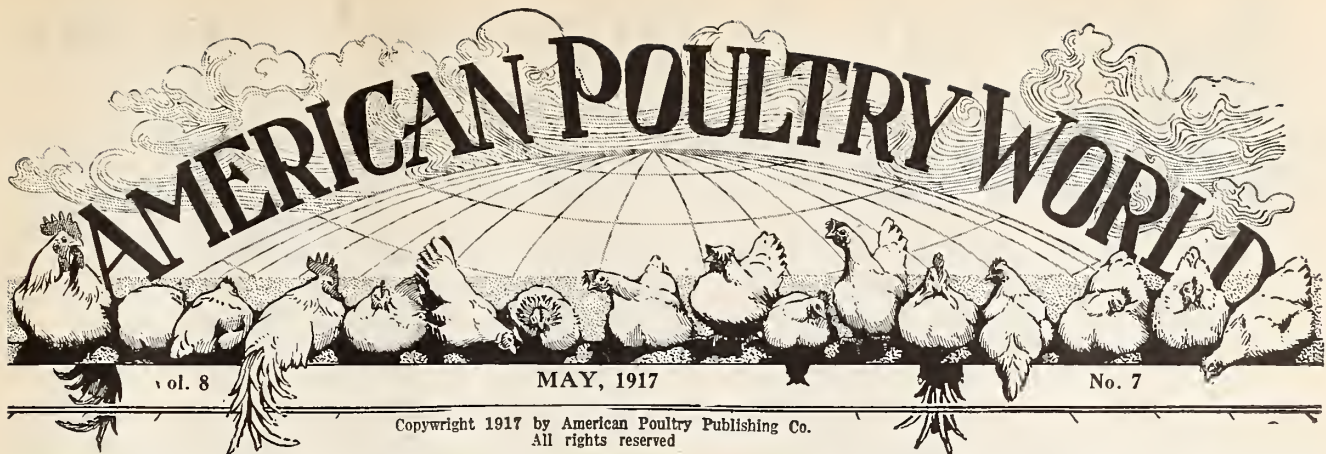


WHITE FACED BLACK SPANISH WINNERS AT MADISON SQUARE GARDEN NEW YORK 1916-17
BRED AND OWNED BY

R. A. ROWAN

LOS ANGELES CALIF.

That old breed, the White Faced Black Spanish, is still with us and holding its own with the present day dual purpose fowls of the American classes, thanks to such ardent admirers and true fanciers as Mr. R. A. Rowan, who is probably the most extensive breeder of this old and worthy race of fowls in the world. In his flocks are scores of winners that won their honors at the best shows of this country, from coast to coast. Among his birds are some of the most remarkable ones that we have ever seen. They have wonderful large, white faces of the finest texture. Mr. Rowan thoroughly understands his breeding lines and is keeping the excellent qualities he has established in his flocks. The above group shows the first prize cock, first prize hen, first cockerel and first pullet at the recent Madison Square Garden Show. Annually Mr. Rowan has been making shipments across the continent to this exhibition and has defeated all comers with his strain of remarkable Spanish. It speaks volumes for the vitality of the stock. We are all pleased to see them each year at our largest eastern shows.—A. O. Schilling.



THE PROPER CARE OF LITTLE CHICKS—LATE HATCHED CHICKS

Those Who Are Really Skilled in the Art of Brooding and Feeding Chicks Need Not Read This Article, But You Who Have Trouble in Raising a Satisfactory Per cent. of the Chicks Hatched, May Find Here Just the Bit of Help You Need to Turn Failure or Partial Failure Into a Full Measure of Profitable Success

By H. E. BURGUS, Osceola, Iowa.

THE first essential thing in order to give the chick a proper start through life, is for it to be properly hatched. This may be done either naturally or artificially. I believe a hen will hatch a larger percentage of the fertile eggs, and she surely will give the chick a start without any danger of overheating or overcrowding, if she is not given additional chicks after she hatches her own brood. But unless she is entirely free from lice and mites, she will prove unsatisfactory as a brooder because the lice and mites will leave the hen for the more tender chick.

Some people prefer the fireless brooder. These are satisfactory except during extremely cold weather. If you have some feathers you can make a very good fireless brooder. The feathers can be arranged between slats so that they come within an inch of the floor for very small chicks. The hover part should be made removable so that it can be cleaned easily. As the chicks get older the hover should be raised. The brooder box can be made out of any good substantial box, but be sure to allow plenty of ventilation.

When six weeks or two months old they should be placed in brood coops, about twenty to a coop. They will have to be watched very closely to avoid overcrowding during warm nights. A good brood coop can be made from waste lumber and covered with tar paper which should be renewed each spring.

Galvanized iron coops have an advantage over wooden coops as no lice and mites will stay in them, but if they are allowed to set in the sun they will become so hot as to be unbearable, and if you are brooding with a hen, she will be cooked. I remember the first season I used metal coops I killed five hens one hot forenoon.

I have yet to find any coop that will beat a nice, well-made, wooden coop, whitewashed inside and covered with tar paper on the outside. I use coops 3 ft. wide, 3 ft. high in front, 2½ ft. high in rear and 3½ ft. long. A glass window, 8 x 10 inches, is placed in each end, with an open space, 8 inches wide and 24 inches long, which is covered with one-inch netting, also a muslin curtain to let down in cold rainy weather. The entire top is made to raise up so the interior can be cleaned easily. One of these coops, if taken care of, will last for several years and can be used for spare cockerels during the fall and winter. The entire cost of such a coop will not exceed \$3.00. It can be made out of boxes and then the cost will not exceed \$1.00.

The main thing in building a coop is to have plenty of ventilation as one night of overcrowding and overheating will ruin an entire brood. In the case of buff and black varieties, overcrowding and lice sometimes cause white to appear in the plumage. So you see that overcrowding, overheating, lice and mites are things to guard against carefully.

Plenty of shade, especially during the hot summer months is essential. The young birds must have shade if they are to do well, and old birds do much better if they can spend the

warm days in the shade. If you do not have natural shade, sunflowers can be planted in the yards and when ripe the seeds are very good for the chickens. You can also make artificial shade by building a framework and tacking burlap over it. This makes a good shade for chicks as it allows the wind to blow under it freely and it also prevents hawks and crows from carrying off the little chicks.

Feeding Little Chicks

In regard to the feeding of little chicks almost every poultry keeper has a system of his own. I believe chicks are more easily reared when brooded by a hen, but, of course, when they are reared in large numbers they cannot all be reared by hens.

For the first 48 hours they require no feed at all and should not have very much sand. But they should be given plenty of buttermilk as the acid in the buttermilk destroys the germs of the much dreaded white diarrhoea. The most critical period in the life of a chick is the first two weeks. After the chick is 48 hours old he should be given some steel cut oats, plenty of dry bran to play in and some to eat, some small grit or sand and fresh water five times a day. If you allow the water vessel ever to go dry you are going to have trouble if you are feeding dry bran, for the chick will fill his tiny crop with dry bran and as he is thirsty he will keep eating more and more until his crop is packed full of bran and then when he does get a drink the bran will swell causing great agony and in many cases, death. Many people lose their chicks in this manner and then lay the whole trouble on the bran, when their neglect or carelessness is the real cause of the trouble.

Hard-boiled eggs, corn bread or dry bread crumbs also make very good foods for the first two weeks. Cracked rice is also a very good food, but it is often hard to get.

When about ten days old start to give them a good chick feed. Any good commercial chick feed is all right, except that they contain more or less fine grit and sand, which makes it rather expensive.

A good scratch feed for little chicks can be made by mixing 2 parts cracked wheat, 1 part cracked corn and one part rolled oats. For a dry mash, 2 parts wheat bran, 1 part shorts, 1 part low-grade flour, 1 part rolled oats 1-5 part fine beef scrap with a little charcoal and salt to flavor. Fine grit and sand should be before them at all times.

Once or twice a week milk of any kind is greatly relished and chicks should have buttermilk at least once a week, even if you have to buy it. The acid in buttermilk acts as a tonic and will greatly aid digestion and prevent bowel trouble.

If the chicks have grass in their runs, you do not have to provide green food, but if they are confined in dry runs they must have green food of some kind. This may be freshly cut lawn clippings or sprouted oats, finely chopped. Do not feed oat sprouts three or four inches long to small chicks as it is

(Continued on Page 396)



What A Woman Can Do With Poultry

Poultry Culture Offers a Sure Means of Livelihood to Women. The Success of Mrs. Smith, Without Capital But With Unshaken Confidence in Chickens, Should Inspire Other Women To Whom May Fall the Task of Maintaining Their Homes

By MRS. ALICE SMITH, Pequannock, N. J.

ASSUMING that she has a fair degree of health with capacity for work, both mental and physical, a love for our feathered friends (and I might add, for all farm work) aside from a monetary consideration, starting out with the thought that there is much to learn and that she has a living issue to deal with; taking advantage of the experiences of many earnest men and women who have lightened the task of the beginner of today, and realizing that poultry culture is not a "get rich quick" proposition but that success will come to earnest, persistent, faithful effort, a woman can "succeed" with poultry.

The writer has held clerical positions for years and kept boarders to help her keep a home for her boy and she knows whereof she speaks when she says that a springtime and summer spent in hatching and rearing 1,000 to 1,500 chicks, with the addition of a garden, will leave her infinitely better off at the end of the season than the boarders would.

Perhaps some readers who have a desire to enter the field of poultry culture and own their homes will be interested and perhaps see a way open for them to attain their cherished desire by reading the story of what one woman and a boy accomplished with poultry culture as a means to that same end.

We moved from the city and after having put in order several rented places, built coops, put up fences for our chickens and taken them down again when the owner wanted to sell, or for other reasons wanted those places, we came to the conclusion that to accomplish any definite results, we must own our own place.

Getting our chickens, supplies and equipment together, in those days, was a costly experiment as we did not have the valuable assistance of the many poultry journals, experiment stations, etc., as we do now.

From my income of about \$8.00 as a weekly average, augmented of course, by the garden, not much for buying a place could be saved after our many moves. After much inquiry and looking around, I found a tract of woodland, containing between six and seven acres, one mile from the station, 1,500 feet from the road. This place had been sold for taxes and the young man owning it sold it to me for the same price. It was a level, beautifully located piece of ground and I pictured my chickens growing up amidst such natural and ideal surroundings. The woods were dense, every tree, I think, being entwined with cat briar. My arms long bore the evidence of the caresses of these briars. My good fortune gave me courage. I was warned that I could not get good water and that I would be swamped with water in the spring. I took my own counsel and saw

the beginning of a town surrounding me, and it has come true. I was not drowned out and we have most sparkling pure water.

I took my grocery man into my confidence and asked him to trust me for a few weeks so that I could get the necessary money together in the given time. It was forthcoming and I got my deed.

I was told that there was a lumber dealer not far distant who was much of a gentleman and to him I went full of confidence that he could not possibly refuse me for I meant to make good. I told him that \$15.00 had been paid out a long time for rent, that the many moves and breaking-up things had cost too much for me to continue, that I had bought the ground and wanted him to give me the lumber, he to take my monthly rent plus the loss by moving and breakage and all that I could make over my living expenses. He was impressed and told me to go ahead. He would indorse my notes.

By the sale of my piano I was able to do more than I expected at first in the way of paying carpenters, a kindly town carpenter offering to work at lower wages for me. What surplus chickens I could spare were sold to give me extra money. Inside of two months we moved in, the house being far from completion, but livable. This was April, eight years ago. The three 390-egg incubators were started so that by July 1st we had lots of broilers ready and roasters a little later. We bought a cheap cow, nearly dead with lice. She gave a cup of milk a day but in eight weeks she was giving eight quarts of rich milk. This added to our living immensely, also to the growth of our chickens.

My boy, now fifteen years of age, started to get the undesirable trees out of the way and these we used as fuel, selling some that were cut by a neighbor. This was done to make room for the fruit trees we wanted to get started. I was much laughed at for this, but I thought the trees would be making roots while the other roots were dying: 112 peach, 67 Japanese plums, 12 quince, 12 cherry, 12 pears, 12 apples, berries, currants and gooseberries and six grape vines were planted between the roots. I paid for these in two payments soon after they were planted, with the proceeds from the sale of eggs.

A sow, bought for \$2.00 as a baby, grew up and at eleven months she and a little family of thirteen, surrounded by a portable fence, 6 x 12 ft. in size, helped us more than we ever dreamed possible, to clean up the place. How she did dig up those cat briar nodules and how the pigs all thrived! Also she raised a family of ten incubator hatched R. I. Red chicks to maturity. They followed her and as she dug they got the worms. They even
(Cont. on Page 386.)



Mrs. Alice Smith, proprietor of Laurelwood Farm, Pequannock, N. J., among her chickens. The S. C. Brown Leghorn male to the right is the grandfather "many times removed," of the Single Comb Brown Leghorn cockerel that won first honors at the last Madison Square Garden Show. The accompanying article, written by Mrs. Smith shows what a determined woman can accomplish with poultry. In her case, as in many others, poultry has provided a home and "daily bread." In these days no one can afford to overlook such valuable aid in gaining a livelihood. Everyone who possibly can should keep a "backyard flock" of pullets this coming winter. Questions in regard to a suitable house for such a flock, how to manage them, etc., will be cheerfully answered through this journal.



Will Not Double-mate Rhode Island Reds

Expert Advice to "Red" Breeders. Harold Tompkins, Concord, Mass., "Takes Off the Lid", So To Speak, As a Highly Successful Breeder of Rhode Island Reds of Exhibition Quality and Gives Readers of A. P. W. Inside Facts and Result-Getting Advice

BY HAROLD TOMPKINS AND EDITOR OF A. P. W.

It isn't every day in the week or year that a man like Harold Tompkins, Concord, Mass., tells the readers of a poultry journal, candidly and openly, about the experiments he makes in breeding high-class standard fowl, giving results, etc. We know of several customers who have bought Single and Rose Comb Rhode Island Reds from Harold Tompkins during the last three years and without exception these birds have given good satisfaction. As a matter of fact he has been selling his choice birds for about half-price, as compared with average prices charged for equal quality.

Under date March 14th, Mr. Tompkins wrote A. P. W. as follows:

"Am enclosing a short article which may be of some interest to readers of the 'World.' It represents eight years of experimenting in the mixing of natural colors and gives the results obtained therefrom. I feel that in giving out these facts, my action possibly will help some one who is about to start in with Reds, so that they will not make the same mistakes that others of us did who have been through it.

"It took a long time for me to decide to part with this knowledge, but I think it will do the Rhode Island Red breed a lot of good and make more friends for them. If there are any further notes that you would like me to furnish, I will be only too pleased to hear from you."

Following is the article referred to, to which Mr. Tompkins gave this heading, "Results of Experiments in the Breeding of Rhode Island Reds."

"So many articles have been written by the breeders of 'Reds', some being very contradictory to the rest, I have decided to give the results of several experiments with single matings after the regular season was over.

"My method of doing this has been to have the male and female from which I wish to make the test in the same pen during the regular season, and after filling all obligations for hatching eggs, take out all but one male and female.

"Have had males with a little smut in undercolor and overstrong black in the wings, mated to clean, pure red pullets with no black anywhere.

The result of this mating was that the wings on the offspring were variegated or wavy, with a lot of shafting on the females, and with very few taking after either sire or dam.

"In the mating together of such offspring we get a most 'splochy' looking red bird imaginable, with the good ones very few and far apart. I had none.

"Another way which I have tried has been to have excess black in the female and use a clean red male, and while I did get a few so-called fair pullets from this mating, the cockerels were minus in quality; but in taking the offspring from this mating, or I had better say, the best pullet and cockerel, and mating them together, the results were far from satisfactory, as I had some which looked like Speckled Sussex, only they were black and red.

"The Mating That Was Successful"

"Four years ago, I tried another experiment by taking a close to Standard pullet and mating her to a male which, with the exception of wing markings, was as near Standard as we have yet got one. He had a black stripe in his wings and where it was not black it was red, and a good, deep red.

"This mating produced another pair of birds which were almost identical to the parents, but the cockerel had a little more black in the wing than his sire, but was very clean cut. By mating these two birds together I produced the pullets which I exhibited at Buffalo, 1915, winning 2nd and color special—birds that were considered by both breeders and judges as being about ten years ahead of the time. Third cockerel at the Buffalo show that year was from the same male and female and was full brother to the pullet. His wing was said by Mr. Schilling to be the nearest to Standard he had ever seen. I don't know whether he has seen a better one as yet, but I have not.

"While I sold this pullet and her father to one of my Western customers for a good, long price, I kept the cockerel and mated him in one of my best pens last spring and from this mating came many of my good winners this last season.

Another Successful Mating

"Another way in which I have had very gratifying results was a male with a slight amount of ticking in the ends



FIRST COCKEREL, PALACE, NEW YORK, 1916
FIRST MADISON SQ GARDEN, DEC. 29, 1916, JAN. 3, 1917
LAURELYWOOD FARM, PEQUANNOCK, N. J. U.S.A.

It is indeed gratifying to note the revival of interest in Brown Leghorns among fanciers throughout America. The beauty and great charm of this highly prolific variety makes breeding them fascinating to a marked degree. The gorgeously colored male and soft velvety effect of the fine stippling of the female have always interested fancier-breeders who find no end of delight in them. In both the Atlantic and Pacific coast states as well as in the Gulf coast region, the Browns lately have made friends so that their admirers are showing them in increased numbers in our big shows. The variety is certainly one of the most beautiful in all the Standard's long list of worthy varieties. Laurelwood Farm's splendid team at the Palace Show, also at the big Madison Square Garden Show, displayed extraordinary quality. The gem of their exhibit that brought from Judge Drenstedt the comment, "One in a life-time," (illustrated above) was a general favorite. He was of elegant type and symmetry and shown in superb condition, as indeed were all the birds in the exhibit. Many critics decided that he was the finest striped male seen during this present season.—F. L. Sewell.



of his hackle feathers, strong, black wing markings and good black tail, mated to a female of good solid red all over, with little or no black in wing or hackle and the amount of black in tail not making much difference. Such a mating produced only two off-colored birds out of fourteen raised and these were dark, but had too much black when I came to handle them.

"The pullets from the above mating were about as smooth as any I have ever owned and very few males came with any ticking in the hackle.

"The only difficulty in getting the above results on the plan I followed, was in having late chickens around in the fall, but with good care in the fall months they came along in good style. I trust that any of the A. P. W. readers who read this and come here in the fall will not accuse me of trying to raise winter broilers, for it looks that way.

"Every mating I have put together this season, as well as last, has been mated with the above results of earlier experiments borne well in mind, and as over 80% of all the chicks I raised were good, even color last season, I cannot help feeling that this season there will be a still larger percentage of good even colored show and breeding birds.

"From the above it may be seen that in Rhode Island Reds, both males and females of high show quality can be raised from one mating and this does away with the erroneous impression that a 'Red' breeder has to double-mate to get his show birds. **WHENEVER THE STANDARD OF PERFECTION IS SO CHANGED THAT WE HAVE TO DOUBLE-MATE TO GET THE SPECIFIED REQUIREMENTS, I AM GOING INTO ANOTHER BREED WHERE DOUBLE MATING IS NOT NECESSARY. I TRUST, HOWEVER, THAT THE TIME WILL NOT COME DURING MY ACTIVE DAYS AS A FANCIER.**"

From now on, subscribers to A. P. W. will find its pages well filled, month after month, with articles giving inside information similar to the foregoing, relating to different popular breeds and varieties—as well as articles of superior value treating on practical subjects. We refer here to articles like those now being furnished this magazine by such foremost, practical writers as John H. Robinson and Homer W. Jackson. For example, we now are having drawings made of a series of poultry houses, about sixty in number. Most of these drawings will be in the nature of complete plans, ranging from back-yard poultry outfits to large and complete commercial plants, with capacities of several hundred to several thousand breeders or layers. Specifications for lumber and other materials will be furnished with each set of drawings, so that any handy man or carpenter can order the materials and put up the build-

ing or buildings. Getting back to Mr. Tompkins' noteworthy article herewith, the intelligent and careful reader will get the **RIGHT IDEA**, to the effect that the breeding of high-class standard-bred fowl is not the easiest thing in the world. On the contrary, it is quite difficult. Truth is, it is impossible to be successful in this field of effort unless you make a right start and then **GO RIGHT**. Making the right start means the purchase of well-mated, line-bred breeders, few or many, or of eggs for hatching, or day-old chicks that **COME FROM BREEDING STOCK OF THIS KIND**.

First, is the fancier-breeder of whom you are to buy; next is his strain, as to established values; then comes the question of inducing him to part with the right thing—with the **RIGHT VALUES**. It is the duty and will be the pleasure of American Poultry World to search out these "right" fancier-breeders, to make sure that they have the genuine kind of line-bred stock and then to put them in touch with A. P. W. subscribers through the medium of our advertising columns. Both buyer and seller will be called on to respect the ordinary law of business, covered by the words, "value received." It is a case of giving value, then of getting value in return. The poultry business **CAN BE** conducted on this basis—and it should be. It must be if it is to continue to develop as a great national industry—representing immense values, both in peace times and war times.

Special attention of the general reader of this article, as well as the particular attention of breeders of Rhode Island Reds, is directed to the last paragraph of Mr. Tompkins' open-letter or article—especially to the next to the last sentence, wherein he says: "Whenever the Standard of Perfection is so changed that we have to double-mate to get the specified requirements, I am going into another breed where double-mating is not neces-

(Continued on Page 388.)



SOME REMARKABLE BARRED ROCK FEATHERS

These feathers were taken from the back of an Imperial Ringlet Barred Plymouth Rock cockerel that won first at Madison Square Garden, New York, bred, owned and exhibited by E. B. Thompson, Lock Box 330, Amenia, N. Y. Observe the excellent barring and sharp contrasting color of the dark and light bars. Mr. Thompson's winnings at the Madison Square Garden Shows have been remarkable but his winning at the last may be said to be phenomenal, consisting as it did of 1st, 2nd, 3rd and 5th cocks; 1st, 2nd, 3rd, 4th and 5th cockerels; 1st, 2nd and 4th pullets; 1st, 2nd, 3rd and 5th hens; 1st, 2nd, 3rd, 4th and 5th exhibition pens; Sweepstakes Champion male and female; Shape Special, male and female; Color Special Male; Best Five Males; Best Five Females; Best Display and nearly every other special prize. Mr. Thompson has an unusually large number of choice pens mated this season from which he is selling eggs at very reasonable prices, quality considered. His special prices on hatching eggs and breeding stock for the balance of the season will be worth having—it means that first class stock can be obtained at a most reasonable price.

Incubating A Million Eggs



A Visit to the Mammoth Hatchery of the Pittsfield Poultry Farms Co., at Holliston, Mass. Another Big Business Built Up in the "Lean Years". They Have Hundreds of Acres Devoted to the Standard Bred Stock That is Required to Supply Eggs For Their Enormous Annual Output of High-Class Baby Chicks

By JOHN H. ROBINSON, Special Contributor

THE use of the word, million, in our headline is not metaphorical. At the mammoth hatchery on the Holliston, Mass., farm of the Pittsfield Poultry Farms Co., they have for several years been actually incubating over a million eggs a year. The original Pittsfield Farm, at Pittsfield, Me., was one of the first large poultry plants to install a mammoth incubator. Up to and including the year 1910, they had Hall Mammoth incubators with a capacity of 12,000 eggs, which was large for those days. Then for three years they increased at the rate of 12,000 a year, bringing them up to 48,000-egg capacity in 1913.

In the summer of 1913 arrangements were begun for the removal of the hatching plant to Massachusetts to secure a location more centrally located with relation to the business of the company, as it was rapidly developing. The 200-acre farm at Holliston was purchased, an incubator cellar built to accommodate mammoth incubators with a total capacity of 117,000 eggs, and two large brooder houses and a large house for breeding stock were erected. In 1916 the capacity was again increased by 60,000, giving a total hatching capacity at one time of 187,000 eggs. The total capacity, of course, is not in use throughout the entire hatching season, but it has never yet been found adequate at the height of the season. Last year the number of eggs actually incubated was nearly 1,200,000.

Although a great many thousands of eggs are incubated for poultrymen in the vicinity who furnish their own eggs, paying so much per egg for having them incubated, the bulk of the eggs that go into the machines here are produced on the farms and branch farms of the Pittsfield Poultry Farms Co., from stock of the Pittsfield strains of Barred and White Plymouth Rocks, Rhode Island Reds, Single Comb White Leghorns and White Wyandottes. The hatchery occupies only a very small part of the two-hundred acre farm at Holliston. An acre of land would give ample room for all the work directly incident to the hatching and shipping of day-old chicks. But Pittsfield poultry is not made in the hatchery from eggs of unknown or uncertain origin. The big hatchery here bears just the same relation to the rest of the business as the ordinary incubator cellar on the ordinary poultry farm does to the rest of the poultry work. The difference is that the ordinary farm is an individual business, while the business done by Pittsfield Farms is virtually a great co-operative business, though not formally organized as such.

The steady increase in capacity for incubating eggs was not a question of building more incubator cellars and buying more large incubators. It was a question of an increase of breeding stock on the home farms, and simultaneously of the establishment of many branch farms stocked with Pittsfield poultry. When we are accustomed to think of poultry operations in the terms that apply to conditions on the one-man plant of from ten to twenty or thirty acres, it seems at first thought that a company with three or four hundred acres of its own farms devoted to the breeding stock for its baby chick trade, could keep breeding stock enough to supply eggs beyond the needs even of this big incubating plant. And so it could, if only the birds producing the eggs for incubation had to be provided for while producing those eggs as used.

But the life of a fowl is short, and its breeding life is much shorter. The poultry breeder has to count on renewing about half of his breeding stock every year, and to do this with selected stock he must hatch and rear to an age where their quality can be certainly determined, at least as many young birds as he has old ones. These young birds will require a great deal more room while they are growing than an equal number of mature birds and it is desirable—almost imperative, that the young birds have range on land upon which no poultry was kept the preceding season.

So it always comes about that a thriving poultry business in a few years outgrows the capacity of one farm or a group of farms directly under one management, to supply the product sold, and after that, continuous, stable growth depends upon co-operation with branch farms, which in practice, are almost invariably the farms of customers of the main farm who have been successful with stock from it, who have derived their ideas of type from this common source and who, in many cases, are not themselves "breeders," but buy annually from the original stock. In this way, little by little, without any formal organization or uniformity of plan, the big plant, having

reached the convenient limits of independent growth, continues to grow by a sort of outlying colony system. The extension of such a system could be— theoretically—very rapid. Practically, it is comparatively slow because the arrangement is mutually profitable and satisfactory only with well-established poultry keepers, having quite a large stock, in territory with facilities for quick shipment to the incubating plant.

To realize all that the incubation of over a million eggs at one hatchery, on a farm that really breeds day-old chicks means, one must consider



BABY CHICKS READY FOR SHIPMENT

We present here a reproduction of a photograph showing a shipment of 8,000 baby chicks being sent out by Pittsfield Poultry Farms Co., 276 Main Street, Holliston, Mass. They do a big business in day-old chicks and the constant growth of their business is conclusive evidence of the quality of the stock that furnishes the eggs for hatching, and of their courteous and just treatment of their customers. The development of this phase of the poultry industry has been astonishing. From now on it will not be a difficult matter to raise day-old chicks with inexpensive appliances. We suggest that our readers help the food supply by ordering chicks during May and June.

that before it was possible to get high class eggs for incubation at the rate of 10,000 a day for every week day when the machines are running at full capacity here, the reputation of the Pittsfield strains had to be established and the stock so widely distributed that there would be many large stocks of these strains in the hands of old customers which would supply the eggs for the annual increase in demand for day-old chicks. Ten thousand eggs a day means at the lowest reasonable calculation twenty thousand hens supplying those eggs. That represents a fifty per cent. egg yield. Hens may do better in April and May, in total eggs produced, but large numbers of hens will not produce beyond fifty per cent. of such eggs as I saw incubating during my last visit to Pittsfield Farms at Holliston, April 2nd.

I am perfectly frank to say that I was surprised to find the eggs that were being unpacked and placed in the trays preparatory to going into the incubators that evening, were selected with more care than most eggs that I have seen placed in incubators. We naturally expect that where so many are incubated and where the demand really exceeds the supply, there will be less careful selection. The secret of the better selection here appears to be the method of payment for eggs supplied from branch farms.

Strictly, there are two bases of payment, the proprietor of the branch farm being allowed to make his choice. He may sell his eggs at so much per egg. Pittsfield Farms will give him so much and take the chances on the hatch. Or he may take so much per chick hatched, which is the more profitable arrangement for him if his eggs hatch well.

I was told that most of the branches now preferred to take so much per chick. This, to me, explained the extra good selection of eggs from the branch farms. It showed very plainly that the practical poultrymen operating these farms believed that eggs of good size and shape were more likely to produce chicks, even in incubators, than eggs inferior in size, bad in shape, and having weak shells. There is a wide tendency to incubate such inferior eggs in incubators when it would not be done under hens, because the incubator does not break the imperfect eggs, while the hen is very likely to smash them. But here was the most practical demonstration that I have ever seen of the belief of many good poultrymen, each making his demonstration independently, that whether some of the inferior eggs would hatch or not, it does not pay to set them.

Considering a matter like this from the seller's point of view, my first thought would be that for him it would not be good business to sell eggs for incubation at so much per chick hatched, he taking the risks of accidents or poor management during incubation. But as a matter of fact, in incubation on so large a scale, with the machine of the "mammoth type", there is practically no danger of anything going wrong during incubation. It is up to everyone in any way responsible for the machines to make sure that nothing goes wrong. At market prices the eggs being incubated here at one time, at this season are worth five or six thousand dollars. Each heater is warming eggs worth several hundred dollars. Negligence means a large loss, if any, and therefore negligence can-

not be tolerated. The big hatchery is no place for a careless man.

Hatches 25,000 Baby Chicks a Week

Speaking of hatching 25,000 chickens a week will doubtless suggest to the reader a scene of bustle and some confusion, masses of fluffy chicks and a chorus of peeping. None of these things are conspicuously in evidence. The 25,000 chicks a week are divided into three hatches, each of which is packed and shipped as soon as the hatch is complete and the chicks thoroughly dried off. Thus the number of chicks in the incubator cellars, of which there are three, at one time does not exceed 10,000, and all of these will be either in the incubator or in the dark boxes in which they are shipped, and being comfortable they will make little noise. There is no noticeable difference between the noise of chicks here and in a smaller cellar where a thousand or thereabouts are hatching.

It is when you walk along in front of an incubator and pass about a hundred compartments in which the chicks are coming out well, that you get the impression of the magnitude of operations. The hatching chicks convey it to you better than the more numerous compartments of eggs. The eggs that were hatching at the time of my visit, appeared to be coming at from sixty to eighty per cent. of all eggs put in the machine. You can see just what relation the hatch bears to the eggs set, for no eggs are taken out. The eggs are tested for fertility by holding the tray over a light and noting the clear eggs, and records of fertility are made, but the infertile eggs are not removed. The principal reason for leaving them in is to save labor. To remove them takes time, and leaves the trays only partly filled, in which condition they are not so easily handled in turning the eggs.

The incubator cellar with mammoth incubators in operation is a very clean and quiet place. Where the chicks are hatching there is a note of cheerfulness. Elsewhere I must confess it strikes me as on the sepulchral order. The long, dark stained, varnished machines are more suggestive of great, long coffins than of cradles for thousands of chicks that are about to be, and this suggestion is accentuated by the odor of disinfectants from the empty compartments which are being thoroughly washed out by a workman.

After each hatch in a series of compartments, the egg trays and false bottoms are removed and taken to an outside room where they are scrubbed and if necessary scraped, until as clean as when they came from the factory. The interior of each compartment is as thoroughly cleansed, and after a few hours drying is ready for the next hatch. Only one day is allowed between hatches when the whole egg capacity is needed, but in

this one day the incubator compartments are given as thorough a cleansing as it is customary for most operators to give incubators and brooders at the end of a season or—as too frequently happens—at the beginning of the next season after leaving them dirty for many months. Here it is considered essential that the incubators be cleaned right after each use.

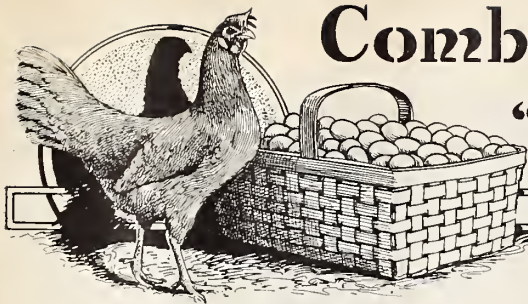
Brooding the Chicks

The brooding capacity at this plant is not at all proportionate to the hatching capacity. It is not intended that chicks shall be brooded here except as there may be (Cont. on Page 389.)



THE TWENTIETH CENTURY POULTRY HOUSE

Three large houses like that shown in the above illustration are used by the Pittsfield Poultry Farms Co. on their White Leghorn branch farm at Westboro, Mass. In each house 1,100 White Leghorns are kept in one flock, making 3,300 selected Single Comb White Leghorn breeders on this one farm, supplying their share of the more than one million eggs incubated at the big hatchery on the Holliston, Mass., farm, every year. The Twentieth Century House is unique in design. It is sixty feet square, with windows the entire length of the front and about two-thirds of the way back on each side. It has a ceiling of straw to absorb the moisture in cold weather. Over this ceiling is a loft containing grain bins where the feed is stored, and delivered by spouts to the floor below as used. Surplus straw for scratching litter is also kept here. Under the particular house shown in our illustration is a large cellar for the storage of vegetables and fruit—also a small garage. The Pittsfield Poultry Farms Co. say of this style of house: "We know from our own experience it is practical in design, economical in both investment and labor, and highly satisfactory from an operating standpoint. We know of nothing that can approach it in economy or results." Because of the interest shown by their customers in it, the Pittsfield Poultry Farms Co. has prepared a set of three plans showing complete details of the construction of the Twentieth Century Poultry House, which it sells for \$1.50.



Combines Beauty—Utility In His “Golden” Leghorns

Fact-Story of Dr. L. E. Heasley, Holland, Mich., Who Gave Up a Lucrative Dental Practice and Now Is Devoting His Undivided Time and Attention to the Production of Prolific Egg Yield, Prize Winning Buff Leghorns. Has Met With Remarkable Success

BY DR. HEASLEY AND EDITOR OF A. P. W.

IN last month's issue of A. P. W., pages 333-334, was published a short account of the experience and achievements of

Dr. L. E. Heasley, Holland, Mich., formerly a dentist, who is now devoting all of his time and energy to the production, development and sale of his utility - and - beauty - combined strain of Single Comb Buff Leghorns of the “rich golden hue” kind. We had written Dr. Heasley, asking for his report of facts, and told him we hoped to publish it in March issue. Finally when we got to it for April number, we were short of space, on account of numerous other good articles at hand; therefore we quoted only four or five paragraphs from Dr. Heasley's interesting story and told readers of A. P. W. that the story in complete form would be published in May issue.

As stated last month, Dr. Heasley has met with remarkable success. Thousands of A. P. W. readers are anxious to win equal success, which was our reason for asking Dr. Heasley to give us the facts, starting at the beginning and outlining the progress made, with results down to date. Following is his story in his own words:

“Holland, Mich., Feb. 3, 1917.

“Dear Editor:—

“For me these are busy days, but I have prepared the article you asked for and given you the truth. I hope it may prove not only interesting, but encouraging also to readers of the American Poultry World. Judging by actual results in the show-room and trap-nest, also by the many kind things that have been said by men of authority in the poultry field about the beauty and egg productiveness of my strain of Buff Leghorns, I have ‘made good,’ as the saying is and I am glad indeed to offer help and inspiration to

others who may wish to follow in the same course and perhaps adopt the same methods.

“Never since my boyhood days, when I spent hours pouring over catalogues of traps and guns, with imaginary visions of fleeing game and strategic captures, has any subject engaged my attention like poultry culture. The intensely interesting and profitable experience of actual poultry raising has more nearly drowned every care and aroused every latent thrill of pleasure in me than anything else in all of life's varied pursuits thus far. I guess I always was a poultryman—at least I cannot remember the time when I was not interested in fowls.

“However, after educating myself for a professional life, I supposed that chickens were only ‘chickens’ and that I was forever separated from them. After a few years of dental practice, a physical breakdown brought me back to the old farm and unconsciously my poultry instincts began to assert themselves. My knowledge of modern poultry conditions and breeds was very limited. Poultry journals offered that information and any active, intelligent person these days has no excuse for ignorance in poultry matters, with the abundance of good poultry reading that is at his command.

Buff Leghorns Did Well on Farm

“My parents were hard-headed farmers of German descent, who had a way of finding out whether every department of their farm work ended in profit. Consequently they had experimented with nearly every one of the popular breeds of poultry, until S. C. Buff Leghorns were given a trial. The results from this variety were so striking in winter egg production, vitality and every other desirable characteristic, that Buff Leghorns were welcomed as permanent residents.

“And so it ‘came to pass’ that as I rusticated on the old

(Continued on Page 373.)



FIRST PRIZE BUFF LEGHORN COCKEREL, HEADING FIRST PEN SPECIAL WINNER SWEEPSTAKES CHAMPION OVER ALL BREEDS AT GREAT GRAND RAPIDS SHOW, JANUARY 1915. BRED 1/2 OWNED BY DR. L. E. HEASLEY, HOLLAND, MICH.

After the season of high prices for hatching eggs from show stock to produce next season's winners, what then? The highly productive females that have been bred from the top-notch, trap-nested hens answer this question in eggs that are profitable at just market prices. The well-conducted modern poultry farm gets a little better than best fancy market price on account of the extra care given the birds and because its eggs show an even grade. This is one reason for keeping a pure breed. Some nine or more years ago Dr. L. E. Heasley, Holland, Mich., decided to take no chances, but to breed up his now highly rated “Egg Basket” strain of Buff Leghorns from reliable, trap-nested, recorded individuals. At that time Dr. Heasley's strain of famous egg layers started with four hens from an old line breeder which had records of 219 to 267 eggs a year, and a cockerel from a 250-egg hen. That foundation strain has been trap-nested about nine years so the doctor's strain has behind it now sixteen years of systematic breeding for high egg production. Thus it is not difficult to account for the great records made by some of his birds at the Storrs, Conn., and Mountain Grove, Mo., Egg Laying Contests. This male is a descendant of a hen with a record of 247 eggs in one year. At the Great Grand Rapids show, Jan., 1915, he won champion special, winning over all birds in the show, besides winning in his class and heading first pen. He also won 2nd with Club Special on shape at Panama Pacific Exposition, 2nd at Chicago, December, 1915, and headed best pen in whole show, Michigan Official A. P. A. Show, Grand Rapids, 1916. Sire of “Miss Panama King,” with 204 egg record at Missouri Egg Contest. Birds that win in the show pen and every day on the farm are Standard show-bred, “egg-bred” money makers.



FIRST PRIZE YOUNG PEN S. C. WHITE LEGHORNS BOSTON SHOW JAN. 1917. BRED AND OWNED BY OWEN FARMS VINEYARD HAVEN MASS.

In the above group is shown Owen Farms' young pen of S. C. White Leghorns that won first at Boston, January, 1917. We have had the pleasure of making numerous studies of Owen Farms' Leghorns that were winners at such shows as Madison Square Garden, the Palace, New York State Fair and Boston, but in our opinion the four pullets shown in this pen were the best mated lot ever exhibited by these experts. They looked as if they were sisters, and no doubt they were. We recall that Superintendent F. W. Darcy told us that his winning pen at the New York State Fair was composed of birds from one hatch, in fact, the winning pullets in the single classes were from the same hatch. This fact proves that Owen Farms' Leghorns are producing a large percentage of show birds from single matings. It also proves that they understand the breeding tendencies of their individual specimens, which means that the battle is half won in the mating and breeding for exhibition purposes, and Owen Farms' customers are receiving the benefit of the great knowledge of the proprietor and superintendent of Owen Farms, who mate these birds.—A. O. Schilling.



farm, following the instructions of varied specialists who were attempting to restore the broken nerves and digestive system, that this flock of farm poultry of the S. C. Buff Leghorn variety engaged and absorbed my attention as nothing else could do. When my eyes began to open to the possibilities of poultry as an income producer, I began to consider breeds. I was not satisfied to take the experience of even my parents, when it came to the selection of a breed. I felt that I must know from first-hand experience. (Always have felt this way, to which fact I lay what success I have obtained in getting definite results).

"Probably it was because of thoughts of shortage at the Sunday dinner table that made me want to breed some nice, fat, heavy breed—surely it was not thoughts of feed bills that stimulated this desire. However that may be, I, like many others, labored under the delusion that a couple of extra pounds of meat at marketing time would 'turn the table' of profits in favor of a heavy breed. I selected two heavy varieties of buff fowls and with the S. C. Buff Leghorns kept a business record of their performances. Doing this I proved conclusively the statements so often made that you can keep three S. C. Buff Leghorns where but two of a heavy breed can be kept; that the S. C. Buff Leghorn will lay more eggs with less attention; that the price of your 'extra pounds' of meat has been 'eaten up' several times over at marketing time, with lower egg production in the meantime. Consequently the S. C. Buff Leghorn produced the most actual cash; in fact, the gross receipts were larger, not mentioning the smaller quantity of feed consumed.

Has Practiced Careful Line-Breeding Several Years

"With this breed a winner on the 'profit page,' I set out to breed none but high-record layers. Knowing the extreme care the dairyman and other stockmen take in selecting their breeders, I began to do my breeding from hens whose egg-laying qualities were definitely known, using males from high-record hens and carefully following line-breeding. This was pioneer work as far as I was concerned, and I met with ridicule from both my friends and many poultrymen for attempting to use definite egg breeding records as a basis for my improvement. They told me it was 'going to too much trouble,' and many poultry writers and some of our agricultural institutions called it 'impractical and not effective.' I am pleased to be living in a day, however, when these very methods have come to be recognized as correct, and in a day when my own stock has proved them so in an open and above-board manner in official egg-laying contests. I have proved to my own satisfaction, at least, that this course gives definite results.

"Early in my experience I had noticed the quick maturity and early laying, as pullets, of females from a certain hen of 219

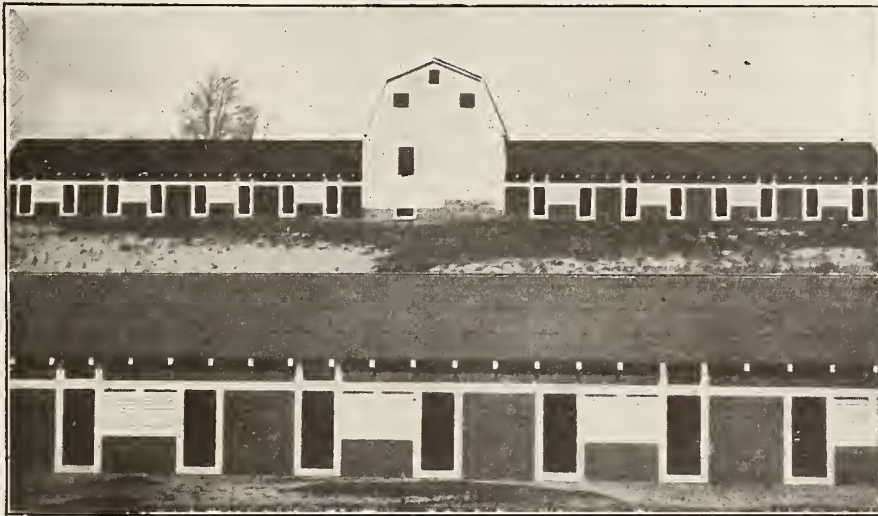
egg record. I noticed these traits transmitted to her offspring, not only by way of her pullets, several of which had laid at four months and two to ten days, but more so through her sons. One of her sons, sold to a customer and mated to his females, produced a pen of 8 or 9 pullets, every one of which laid above 180 eggs in one year. Some of these laid 202, 207, 218 and 224 eggs in 12 months. While attempting to get a clue as to how a high egg laying hen handed down her laying ability, and noting the results referred to above, some of the Experiment Stations, of which there were but few then, had found as my own results were also showing, that the general rule obtained that the high laying hen handed down her ability to lay through her son to his daughters.

"This corroboration of one of the methods I had then used for three seasons was like a big light in a dark place, and I immediately undertook the difficult problem of mastering the breeding of Buff color, and getting a real Leghorn shape onto the then somewhat chubby Buff Leghorn, while yet retaining high egg production. How I succeeded in this I would much prefer to have others tell, but since Mr. Curtis has asked me for my real experience in breeding this strain, you will pardon the chronicling of a series of successes in both public official egg contests and in the strongest national exhibitions.

"Back in 1911 a daughter of my hen laying 267 eggs and sired by the son of a 250 record hen, won first prize and color special in very strong competition at Grand Rapids, Mich., and a son of 'Gypsy,' the 219 record hen, won color special. Each year thereafter sons and daughters took prominent places in important shows until in the 1914-1915 Missouri Egg Contest 'Contest Queen' who won second prize as a pullet in the Missouri Show, made a winter laying record of 95 eggs in four months (but four eggs lower than the highest among the 1,030 individuals) and finished the contest with a record of 215 eggs in 11 months. She sired the male who produced first pen cockerel and two of his pen females, as well as fourth cockerel, at the Chicago Coliseum show, 1915, and many

other exhibition winners as well as 'Missouri Queen' who finished the present year's contest with a record of 211 in 11 months. Then followed the winning of the Club Shape Special at the Panama-Pacific Exposition by my cock bird, 'Panama King,' among 34 males. This male was of 247-egg breeding and in turn proved his combined breeding by producing a pullet who made a record of 202 eggs in 11 months in the 1916 Missouri Egg Contest. 'Victoria II,' a hen laying 211 eggs in nine and a half months at Storrs Egg Contest, sired a cockerel who won first prize in the State A. P. A. show at Grand Rapids in 1916, and whose grandsons have won in many exhibitions.

"Let it be sufficient proof that our efforts have resulted in real 'Egg-Bred Winners' to
(Cont. on P. 385.)



POULTRY HOUSE USED BY DR. L. E. HEASLEY

The lower half of this picture shows one wing of the building taken before it was entirely completed. There are little doors at present under the ventilators which make an opening from each pen. The barn is 18 ft. wide by 24 ft. long, and each wing, containing the special breeding pens, is 12 ft. by 50 ft., or the building is a total of 118 ft. in length. In the basement of the barn is a pump driven by a gasoline engine, as well as a large pressure tank which supplies water for any part of the poultry buildings or yards and also Dr. Heasley's residence. Above this engine is a line shaft which can be connected with the bone grinder, feed grinder, etc., on the first floor, which is used as a shipping room. It also contains several training coops where stock is centered in making selections for both exhibiting and shipping to customers. Upstairs in the barn are grain bins from which the grain can be drawn on the first floor. Dr. Heasley writes further, "This breeding house is located on a little knoll of light, shady soil and is sunk in the ground a couple of feet. It has cement floors covered with sand. It has partitions every six feet, making each pen 6 x 12 ft. Each of the pens embraces one-half of the ventilator and one complete window. My yarding system is movable and of a V-shaped construction, making it possible to walk up each yard, also to draw them back and to keep the ground cultivated. It is sowed with oats throughout the breeding season and also a space reserved at the back of the breeding pens sown to some form of green stuff so the yards may be occasionally changed to the other side of the building. This keeps the breeding stock in fine condition. In each pen are installed trapnests, dry feed hoppers, water fountains, an automatic feeder, etc. The back and top of the roosting closet is sealed and a six-inch board on a hinge on the north side of the building is open for ventilation during the summer, but the air is not able to reach the fowls on the roost, so the building is cool in summer and warm in winter. Besides this building we have one 16 x 150 feet and seven good sized colony houses, each of which contains forty breeders. These have yards, 50 x 100 feet, seeded to alfalfa."

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EDITORIALS

NIGHT LETTER AND OPEN LETTER FROM UNITED STATES SECRETARY OF AGRICULTURE

UNDER date April 15th, Hon. D. F. Houston, U. S. Secretary of Agriculture of the United States, Washington, D. C., sent the following government night message to A. P. W.:

"4/15/17.

"Editor American Poultry World:

"I desire to call your attention to President's appeal to the nation, appearing Monday morning. Hope you can display it in full, emphasizing especially the parts addressed to farmers. Your co-operation will be appreciated.

"D. F. HOUSTON,
"Secretary of Agriculture,
"Washington, D. C."

Under date April 4th, Secretary Houston favored A. P. W. with an open letter, the first paragraph of which reads as follows:

"The U. S. Department of Agriculture is issuing to the press a series of timely statements dealing with the conservation of food and the elimination of waste in the household. A number of articles already have been issued and others are in the course of preparation."

Next is a description of the form of these articles, with an offer to send them to A. P. W. for publication in these pages. Next in the letter appear these three paragraphs:

"If you are interested also in encouraging the people of your locality to raise vegetables in back-yard gardens or vacant lots, the 'Home Gardening Hints'—a series of carefully prepared and simple directions issued in newspaper form during the past month—should be useful to your readers. The Office of Information, on request, will forward this material promptly.

"May I not ask you to give this material careful consideration and to accord it such prominence in your publication as you think it merits?

"The Office of Information has been instructed to co-operate with you in making available to your readers the Department's information regarding the production and conservation of food and will give immediate attention to any inquiries which you may direct to it."

Replying to the foregoing night message of date April 15th, and open letter of date April 4th, editor of A. P. W. took the liberty of writing Secretary Houston as follows:

"Hon. D. F. Houston,
U. S. Secretary of Agriculture,
"Washington, D. C.

"Dear Sir:—

"Acknowledging your night message of the 15th inst., we shall be glad, in our columns, to call the special attention of readers to President Wilson's appeal to the nation for increased food production and conservation, and to co-operate with your Department to the limit of our ability in that direction.

"Also received from you in due course your letter of the 4th inst., from which we quote as follows:

"If you are interested also in encouraging the people of your locality to raise vegetables in back-yard gardens or vacant lots, the 'Home Gardening Hints'—a series of carefully prepared and simple directions issued in newspaper form during the past month—should be useful to your readers. The Office of Information, on request, will forward this material promptly."

"In this same connection we trust you are taking steps urgently to advise the keeping of poultry in back-yards, or on vacant lots, for family use, so that the production of poultry meat and eggs can be greatly increased throughout the country for the purpose of supplying the home table with desirable meat food, or an excellent equivalent, also with the object of conserving millions of dollars' worth of table scraps, garden waste, etc.

"As a matter of course small flocks are meant—flocks ranging from two or three dozen chickens to several hundred. Small flocks especially are recommended. Back-yard gardening will help—will pay well in the case of the average family, and the same is equally true of back-lot poultry keeping. Farmers also should be urged to increase largely their flocks and egg production.

"Government poultry work, national and state, already is well organized. It will be an easy matter, therefore, for the Federal government to start this machinery in motion. In H. L. Lamon of the U. S. government poultry farm, you have a man of wide experience, vigorous initiative and personal capability.

"On our part, in behalf of eighty or more class poultry journals, representing a billion dollar poultry industry in normal times, we hereby appeal to you to take the necessary steps at an early date to urge, through the poultry press, the farm papers, daily papers, etc., back-yard poultry keeping on the part of the many thousands of American families who by this means can convert into valuable human food great quantities of table scraps and garden waste, while at the same time supplying the family with meat food to be

used in connection with home-grown vegetables or purchased articles of this kind.
"Respectfully yours."

Before the world war was six months old, Great Britain, through government sources, WAS STRONGLY ADVISING A GREAT INCREASE IN POULTRY KEEPING and in the production of table eggs and poultry meat. This was true despite the doubling of the price of poultry foods—despite the fact that to keep poultry with success more or less grain should be fed. One object was to utilize immense quantities of waste—not merely table scraps, but garden waste and field waste. Fowls on many a farm can pick up their living by foraging, this living consisting of seeds, worms, bugs, insects and waste grain. On the other hand, the American public was told lately by a U. S. government official that American housewives throw away annually over \$700,000,000 worth of table scraps. In our large cities the garbage wagons piled high with table waste are sufficient proof.

Canada followed promptly in the footsteps of the mother-country. First to last, since the war began, the Canadian government HAS-URGED A DOUBLING OR QUADRUPLED of poultry and egg production. Not only have they urged this through the press and in the form of Bulletins, but they have offered, and are now offering, FINANCIAL ASSISTANCE. Government bulletins to that effect have been sent to us from time to time.

Now let the United States do likewise. There are many practical ways of going about this, both on the part of the Federal government, also state governments, including our numerous agricultural colleges, experiment stations, etc. All that needs to be done is for the U. S. Secretary of Agriculture to say the word, as regards his Department, with its far-reaching connections, then have state governments and the hundreds of agricultural colleges and experimental departments follow suit. THAT THIS SHOULD BE DONE AND DONE PROMPTLY, THERE CAN BE NO DOUBT. Furthermore, A. P. W. is confident that this step will be taken promptly. It should be and it will be. Moreover, such action will greatly benefit the poultry industry, one of the truly great food producing industries of this rich and enterprising nation with its more than 100,000,000 population.

STATE GOVERNMENTS AND BIG RAILROADS "RED HOT" THESE DAYS IN BEHALF OF BETTER POULTRY AND MORE EGGS

PROBABLY never before in the history of the United States has there been so much activity in behalf of the poultry industry as is now the case. Following are three examples that have come to our desk during the last thirty days.

Under date March 29th, Milligan C. Kilpatrick, Instructor in Poultry Husbandry at the College of Agriculture, conducted as part of the Ohio State University, Columbus, wrote us as follows:

"We have just completed arrangements for co-operation with the U. S. Department of Agriculture in the operation of a poultry train throughout Ohio during the coming summer. The Bureau of Chemistry of the U. S. Department of Agriculture is to furnish one car in which demonstrations will be given in

candling, grading and packing eggs. The specialists in charge of this car will work particularly with those who are interested in the handling of poultry and eggs, with a view to helping them in their efforts to prevent losses. The candling demonstrations will be of especial interest to poultry producers.

"The Ohio State University will furnish two cars. One of these will be equipped with an educational exhibit containing models of poultry houses, feed troughs, hoppers, trap nests, etc. Representatives of the Ohio State University will be with the car at all times to be of personal service to the poultrymen who visit this exhibit. The other car will be used as a lecture room. In it short talks will be given on breeding, feeding, etc., and demonstrations given in selection of breeding stock, caponizing and other poultry practices.

"These cars are to visit a selected list of towns, spending a day in each town. We are planning to concentrate all our efforts for the summer on this work which we feel will be of great benefit to the poultry industry in Ohio."

Under date April 7th Geo. Beuoy, Cedar Vale, Kansas well-known manufacturer of caponizing instruments, and a strong advocate of the financial benefits of caponizing, wrote us:

"I have just returned from an extended trip with the Santa Fe Railroad Hen and Cow Special. Made 105 towns in Kansas during the month of March. Thirty-nine thousand, eight hundred and eighty-three people, by actual count, visited the train, saw the poultry and cows and heard the talks on same.

"The banner day was Thursday, March 29th, when Arma, Eskridge, Harveyville, Burlingame, Carbonsdale and Topeka were the towns made. A total of three thousand, one hundred and nineteen people visited the train that day.

"In the last few months I have visited and lectured in more than twenty states of the Union and six provinces in Canada. I find a tremendous shortage of poultry in every place."

April 20th we received the following from E. E. Richards, Cedar Rapids, Iowa, president of the American Poultry Association:

"After six years of strenuous effort the Iowa poultry industry is at last to receive financial aid and due consideration from the state.

"Senate File No. 44, by Senator White, is to become a law, having passed both branches of the legislature, and will be signed by Governor Harding.

"At the annual meeting of the Iowa State Poultry Association, formerly the Iowa Branch of the American Poultry Association a committee consisting of E. E. Richards, Cedar Rapids; A. Stocker, Des Moines, and V. G. Warner, Bloomfield, secretary of the Iowa State Poultry Breeders' Association, were appointed a committee on legislation, with power to frame a bill and to have charge of same through the legislature.

"On Friday, April 13th, a lucky day in Iowa, the bill having passed the Senate, passed the House, and now awaits Governor Harding's signature to become a law. The bill appropriates \$100 to each county in Iowa having a regularly organized poultry association of not less than fifteen members, paying an annual due of not less than fifty cents per year, that gives an exhibition of standard-bred poultry, dressed poultry and eggs; also \$500 to the annual exhibition of the State Show. As a starter it is considered a mighty favorable bill and it's one that might be passed by many of the states."

The foregoing are simply three samples. By the way, here is another: Under date April 17th, D. D. Slade, Specialist in Poultry Extension at the College of Agriculture, conducted as part of the University of Kentucky, at Lexington, sent us an outline map of Kentucky showing the standardizing work that is being done in the Blue Grass State in behalf of better poultry and a greater egg yield, under the direction and largely at the expense of the national government. In a later issue we shall have more to say about this new plan of introducing standard-bred poultry in different states of the Union.

Frankly, it would take more space

Foremost Prize Winners and the Men that Produce them

It has been our aim to describe under the above heading only birds that were, in our opinion, of rare merit, produced by breeders who have proved themselves to be worthy of the title, "Foremost." In former issues we have shown on the front cover of this journal numerous winning birds of various breeds, but this is the first time we have reproduced an Orpington in this manner. We believe that Aldrich Poultry Farm, Columbus, Ohio, is fully entitled to this honor, and we base our belief upon the record of the Messrs. Aldrich, as White Orpington specialists. The good work and the resulting influence of the efforts of men like E. S. Aldrich and his father and business associate, O. W. Aldrich, are far reaching. Aldrich Poultry Farm has done much to bring this worthy breed the popularity it is enjoying today.

Aldrich Poultry Farm has been making a specialty of White Orpingtons ever since they were first generally known in this country. They have produced thousands of meritorious specimens that have been sold and sent to all parts of the world where they have asserted their influence in raising the standard of quality from year to year, being used as breeders.

Mr. E. S. Aldrich has proved himself a thorough fancier and expert breeder. He spent thousands of dollars in collecting his foundation stock, paying as high as \$1,000 for a single male. From this foundation stock has been produced a strain of White Orpingtons that today is setting the fashion and influencing the national standard type. They win the blue ribbons repeatedly against all comers, which fact alone is evidence of their superior quality.

At the recent Garden Show we had the privilege of making a study of the first prize cockerel which, as it happens, is the fourth successive time an Aldrich bird has won that honor. On the front cover of this issue is shown a faithful study of this cockerel while on page 381 is published an outline diagram showing some of his measurements. Unfortunately the cut of this diagram sent us by Mr. Aldrich and published in the White

Orpington Club catalogue, was made after a tracing from a different photograph of this bird showing him in another position and consequently it does not resemble our front cover exactly, but as the measurements were made from the live bird, this difference in the positions will not matter materially as the diagram is used merely to illustrate the measurements.

We are pleased to have this opportunity to show our readers a true modern Orpington in type and also to give exact measurements of the same specimen. It is an excellent way to study a bird and, no doubt, will be of great value to Orpington breeders. We call particular attention to the wonderful depth of this bird's body, the full round breast carried well forward, the beautiful curve from skull down the hackle and over shoulder and saddle to tail. A good Orpington is not an extremely long bird. They need not be long like the Plymouth Rock, but they have a tail carried as low as the modern show type of Plymouth Rock. Depth of body counts a great deal in the Orpington. By this we do not mean that the bird must be Cochized in type. The Orpington should have a clean, well-formed shank of moderate length but heavy enough to fit a bird of its size and weight. The thigh is one of the distinguishing features of the breed and it plays an important part in determining whether the bird is a true Orpington.

The Orpington has a fairly long thigh, probably as long as the average Plymouth Rock but its thigh is not as easily visible as that of the Plymouth Rock because it is set higher up on the side of the body, thus allowing the breast and body fluff to come lower down and conceal the outline of the thigh and hock.

An Orpington with a long hock is not true to type, yet often times some of the best cockerels at the earlier shows, before they are fully matured, will show a considerable length of thigh. Our remarks apply to the fully matured male.

We shall be pleased to have our readers write us their views on Orpington type and also offer any suggestions they regard as important, our object being to have the breeders of the country come to a better understanding of what should be standard type here in America.—A. O. Schilling.

Smith's White Leghorns

Four Firsts at National Club Meet, Chicago, 1917. There isn't any better! Send for Catalog and Special Egg Offer and learn how you can buy one-half setting or one full setting of eggs from my exhibition matings for One Cent! Eugene Smith, 315 Galena Boulevard, Aurora, Ill.

15 Eggs from Exhibition Matings for One Cent!

each month than is available in a poultry magazine like the American Poultry World to do justice by the large amount of progressive work in behalf of poultry culture THAT IS NOW BEING DONE by the Federal and State governments throughout this broad land. Canada really was in the lead for a while, population considered, but the United States, during the last three to five years, has made wonderful progress—far greater than the average reader of the poultry press knows about.

Really it is time that the poultry press woke up on this subject. To date the poultry papers of the new world are not keeping fully abreast of the times, as regards national and state government poultry work, let alone the many progressive advances that are being made by the manufacturers of poultry equipment, by the owners and managers of commercial plants, etc. Here indeed is a great field—one that the American Poultry World would like to be able to fill far more creditably than it has done to date. We look forward hopefully to work of this kind.

DEATH OF S. T. CAMPBELL, SECRETARY OF THE AMERICAN POULTRY ASSOCIATION

At his home in Mansfield, Ohio, April 1st, occurred the death of S. T. Campbell, secretary of the American Poultry Association. Mr. Campbell's death was

unexpected, though he had been ill about three weeks.

The death of Mr. Campbell came as a shock to the poultry public of the United States and Canada. His many friends had not even heard that he was ill. A complication of grippe and cerebral hemorrhage was the cause.

In the death of S. T. Campbell, the American Poultry Association loses an excellent officer. Mr. Campbell had been secretary for six years and would have been re-elected to the seventh term within the last thirty days if he had lived. He received the nomination for re-election and had no opposition.

This was indeed a great compliment to Mr. Campbell and he deserved it. At the time of his death, Mr. Campbell was fifty-six years old. Nearly all his life he kept poultry—the right kind of poultry. For twenty years or more he bred standard quality S. C. Black Minorcas, a variety of which he was specially fond. After he was elected secretary of A. P. A., he gave up poultry advertising, not wishing to appear to profit by his official position.

Before taking up secretarial work for A. P. A., Mr. Campbell had spent many

years as an organizer in fraternal societies. He was a member of several of these organizations. This experience qualified him well for handling the duties of secretary of A. P. A. He was not a brilliant man but was a hard and earnest worker. Often hard and persistent work counts more than extraordinary talent, and it was so in Mr. Campbell's case. A. P. W. does not feel that the American Poultry Association has ever had a better secretary, as judged by results, during its more than forty years of existence.

E. E. Richards, president of A. P. A., on receiving the sad news that Mr. Campbell had ended his life work, immediately did the right thing by appointing Mrs. Campbell to take charge of the secretary's duties until the annual meeting next August, subject to the approval of the Executive Board. Undoubtedly this approval was readily given. For several years it has been known that Mrs. Campbell was of great assistance to her husband in handling A. P. A. work; therefore she is well qualified for her present position. The plan is to elect a new secretary at the annual convention in August. This meeting probably will be held in Milwaukee, Wis.

Patriotism and Poultry

To The Poultry Fraternity:—

EGGS and POULTRY are two of the most important and necessary items in the daily food supply of the world. I am reliably informed that, because of a falling-off in the demand for baby chicks, many of the large hatcheries and poultry farms contemplate shutting down their incubators for the season. This would be a great misfortune and a serious menace to the food supply of the country. In fact, it means an *egg famine* within the next six months.

As you know, practically all eggs produced during the fall and winter must come from pullets hatched in the spring during April and May. All the mature hens stop laying as soon as the moulting season begins, about August 1st, and do not lay again in any great amount until the following season—beginning in late January or February.

Unless something is done and done *at once*, there will develop a scarcity of eggs during the fall and winter months that will force fresh eggs to prohibitive prices—beyond the reach of those who most need them. Here is an opportunity to prove our patriotism and at the same time demonstrate the value of eggs as a staple food. Great permanent good to the poultry industry will result from a strong, concerted movement at this time to increase egg production.

At Wilburtha, we shall keep our incubators running and hatch every chick possible, offering our product practically at cost to those who have the facilities and are willing to help in this patriotic endeavor.

I appeal to all you poultrymen, commercial producers, fanciers and owners of hatcheries to keep your incubators going and raise all the chicks possible, thereby helping the situation and preventing such a national disaster as an egg famine. By all means, let profit be a minor consideration at a time like this. Show your patriotism. ALL FOR AMERICA!

Fraternally yours,

Charles J. Fisk

Owner
Wilburtha Poultry Farms
Trenton Junction
New Jersey

Life Member
American Poultry Ass'n.
Member Executive Committee
New Jersey Poultry Ass'n.

"The Necessity of Producing an Extra Pound of Poultry This Year for Every Man, Woman and Child in the United States."

By E. E. RICHARDS, President of the American Poultry Association.

EARLY in April, E. E. Richards, Cedar Rapids, Iowa, president of the American Poultry Association, called a National Poultry Conference, to be held at the Sherman House, Chicago, Ill., April 20-21st, and invited the United States Secretary of Agriculture also the governors of several leading poultry-producing states, to send representatives. Hon. D. F. Houston replied favorably, so did the governors of Illinois, Iowa, etc. A report of that conference will be published in June issue of A. P. W.

Also President Richards mailed a postal card to all members of the American Poultry Association, from which postal we quote as follows:

"The American Poultry Association, with its more than 7,500 members, can be of inestimable value in this particular hour of need.

"I sincerely hope to enjoy your co-operation promptly in this most important undertaking.

"Keep up your hatching through May and June!

"Help us increase the poultry production of the United States this year **ONE HUNDRED MILLION POUNDS.**

"Let us increase one pound of poultry meat at least for every man, woman and child of the United States."

Following up this good work, President Richards, under date April 18th, sent the following article or open letter to the poultry press of the United States and Canada, with the request that same be published at the earliest date possible:

"Before another hatching season, the great United States will, no doubt, be in the deepest throes of the world's most cruel war and no one can foretell the countless thousands that may be crying for bread. It is up to the United States, the world's greatest, richest, and most resourceful nation, to not only look after the welfare of her own citizens,

but to give aid and assistance in supplying food to countless thousands of suffering humanity in the torn and stricken war zone. The great agricultural resources of America must prepare to assume this burden. Every one of us must do our bit. Every acre, every nook and corner must bear its share. **IT IS LUCKY THAT IN POULTRY WE CAN PRODUCE THE CHEAPEST AND MOST QUICKLY PRODUCED MEAT OF ALL THE VARIOUS SOURCES OF OUR MEAT SUPPLY.** Here, we have an opportunity of producing an extra one hundred million pounds if the American farmers, the fanciers and breeders will give their attention to hatching during the months of May and June.

"It is a well-known fact that the available supply of meat products is today the lowest in our country, per capita, in the history of the United States. In order to meet the extremely

dangerous condition, we have within ourselves a wonderful opportunity of aiding what may prove to be a world-wide cry for food. Let us all join enthusiastically in the propaganda of helping in the probable time of need, by putting forth now every effort to meet, in a measure, the demand that is sure to come for untold quantities of food stuffs. Never in the history of the world will there be a greater demand than in the next twenty-four months that are to follow.

"FOR THE PAST TWENTY-FOUR MONTHS WE HAVE BEEN KILLING THE GOOSE THAT HAS BEEN LAYING THE GOLDEN EGG, and with the hue and cry of costly feed, poultry and all meat products have been soaring far above all the usual estimates as to the relative cost of production, and the selling price. The margin of profit on the production of eggs and poultry for meat **IS FAR IN EXCESS OF THE PERCENTAGE OF PROFIT IN NORMAL TIMES.** profit, we Americans must look at the situation from a philanthropic and humanitarian standpoint and each and every one 'do his bit' to meet an exigency that seems inevitable. Let us all try to be a factor in the production of **AN EXTRA HUNDRED MILLION POUNDS OF POULTRY MEAT** which is less than one pound additional for each man, woman and child in the United States.



E. E. RICHARDS, Cedar Rapids, Iowa

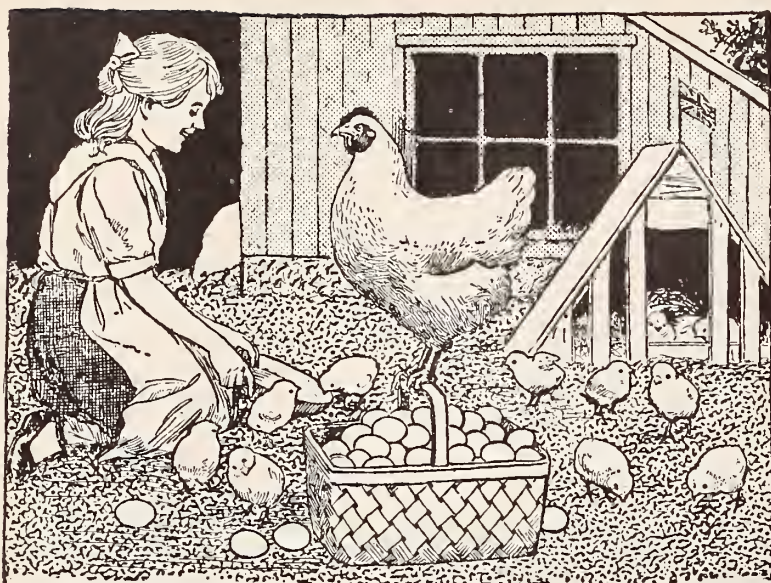
The well-informed, capable and energetic President of the American Poultry Association, who lost no time in calling a National Poultry Conference as a part of National Preparedness.

"The United States Department of Agriculture has just issued an estimate that upwards of seven hundred millions of dollars is the annual tribute paid by Americans to the garbage can. Why not convert this into feed to produce poultry and eggs?"

"EVERY HOME CAN HAVE A SELF-SUPPORTING AND PROFITABLE FLOCK IN THE BACK YARD BY CONVERTING THE OFFAL FROM THE TABLE AND KITCHEN INTO THE VERY CHOICEST OF POULTRY FEED. WHY SUCH AN ASTOUNDING WASTE, AN UTTER EXTRA-

GANCE THAT COSTS US NEARLY SEVEN DOLLARS FOR EVERY MAN, WOMAN AND CHILD IN THE UNITED STATES? LET EVERY HOME HAVE A NEAT POULTRY HOUSE AND A FEW WELL KEPT, PROFITABLE FOWLS. THE EDITOR OF THIS PUBLICATION WILL BE ONLY TOO PLEASED TO CO-OPERATE WITH EVERY READER DESIRING ANY INFORMATION.

"It is not unusual for the fanciers to quit hatching with April. Let me urge that hatching be continued during the months of May and June and also during July in a large part of our country. Let the old hen do her part—fill up the incubators—keep them going through May and June—the results will be worth while. **LET US BE PREPARED TO UTILIZE EVERY BIT OF TABLE AND KITCHEN SCRAPS AND MAKE THEM A SOURCE OF PROFIT.**



To City, Town and Village Dwellers in Ontario.

Keep hens this year

EGG and poultry prices, the like of which have seldom or never been experienced, certainly make it worth anyone's while to start keeping hens. By doing so you have fresh eggs at the most trifling cost. At the same time you have the splendid satisfaction of knowing that you are doing something towards helping Britain, Canada and the Allies achieve victory this year.

Increased production of food helps not only to lower the high cost of living, but it helps to increase the urgently needed surplus of Canada's food for export. It saves money otherwise spent for eggs and poultry at high prices, and saves the labor of others whose effort is needed for more vital war work.

The Ontario Department of Agriculture will give every possible assistance by affording information about poultry keeping. Write for free bulletin which tells how to keep hens (address below).

"A vegetable garden for every home"

Nothing should be overlooked in this vital year of the war. The Department earnestly invites everyone to help increase production by growing vegetables. Even the smallest plot of ground, when properly cultivated, produces a surprising amount of vegetables. Experience is not essential.

On request the Department of Agriculture will send valuable literature, free of charge, giving complete directions for preparing soil, planting, cultivation, etc. A plan of a vegetable garden, indicating suitable crop to grow, best varieties and their arrangement in the garden, will be sent free to any address.

Ontario Department of Agriculture

W. H. Hearst, Minister of Agriculture

Parliament Buildings

Toronto 11

ASK MR. ROBINSON ABOUT IT

The attention of A. P. W. readers is directed to the fact that John H. Robinson, special contributor to this magazine, conducts regularly a department entitled, "Practical Poultry Facts and Timely Advice." In that department Mr. Robinson will answer poultry questions addressed to him by our subscribers.

Do not hesitate to ask Mr. Robinson for information or poultry advice that will be of help to you. There is no higher authority in this country on practical poultry topics than John H. Robinson. He offers you his services in the line of facts and suggestions that will be of real help to you in your poultry work, small or large.

Questions of the kind here meant should be addressed to the American Poultry World, 85 Devey Ave., Buffalo, N. Y. They will be forwarded promptly to Mr. Robinson and he will reply to them in the order they are received. Questions should relate to the practical care and management of standard-bred fowl. Those of a different character will be replied to by the editor, as a rule.

ARTICLE ON BREEDING CHARTS

In next month's issue of A. P. W., the editor will present an article on the use of breeding charts in the production of standard-bred fowl, as based on the Felch system and as practiced by J. C. Fishel & Son and others.

The well-known Felch chart will be reproduced, with a recent article by Mr. Felch, explaining the use of this chart.

Also there will be represented what is known as the "Fisheldotte" chart, as developed and used by J. C. Fishel & Son, after sixteen years of line-breeding in the production of White Wyandottes of exhibition-utility quality.

Here is an interesting and important subject. Far more should be written on it than has been the case to date. Chas. I. Fishel, of the firm of J. C. Fishel & Son, has favored A. P. W. with an open letter, telling why they use the Fisheldotte chart, the results obtained, etc. Said letter will form part of the article on breeding charts in next month's A. P. W.

MILLION EGG FARM

Well informed readers of A. P. W. will be glad to know that the famous Rancocas S. C. White Leghorns and White Plymouth Rocks have not been "broken up" as regards strain values, but that this great plant is now being operated under the name, "Million Egg Farm." An advertisement to that effect will be found on page 394 of this issue, wherein Rancocas S. C. White Leghorn eggs for hatching are offered at the special low price of \$5.00 per hundred, and day old chicks at 12 to 15 cents each.

The name, Million Egg Farm, was given to this great plant because of the fact that it probably was the first poultry establishment in the world to produce one million eggs in 365 consecutive days. This was done while the plant was under the management of Joel Fos-

EDITOR'S NOTE:—Above is a reproduction of a large advertisement the Ontario Department of Agriculture, Toronto, Canada, is causing to be published in daily newspapers, farm journals, etc., circulating in the province of Ontario, Canada. Soon the same kind of advertisements will be published by the United States government. Of this we have no doubt.

ter, with Reese V. Hicks as assistant. We learn that Mr. Hicks is now manager of the Million Egg Farm. He has had many years' experience in this work and orders that he accepts will be filled promptly and carefully.

"BE PATRIOTIC—CAPONIZE"

Charles Blum, president of the Charles Blum Advertising Corporation, is a per-

sonal advocate of the caponizing of surplus cockerels. Under date April 12th, Mr. Blum sent us an article, which we would like to print in full if space permitted, but it does not. However, here are two paragraphs from his article that contain food for thought, especially so at this time when every pound of poultry food should be made to produce the largest amount of revenue possible:

"The present situation, reader, offers the biggest opportunity to the live poultryman that he has had for many a year. An opportunity to make money and accomplish a patriotic service. Each rooster or cockerel that is killed at a weight of four pounds or thereabouts has consumed as much feed as it would have required to raise that same cockerel into a capon weighing 7½ or 8 pounds and bringing in most markets practically twice as much per pound as the cockerel could bring.

"A lively, active rooster is a fighting machine, not a profit machine. His comb, his

Raise Poultry

"There's Money in hens"



To increase the Nation's Food Supply

This is a Patriotic National Duty

10,000,000

Ten million more hens are needed to meet the home and overseas demand for eggs.

That means 15 more hens on every farm in Canada.

Raise two additional broods of chicks and let the hen help you increase production.

Every pound of food produced helps defeat the enemy.

Britain makes insistent demand for eggs at high prices.

Patriotism and profit both urge you to increase the supply.

Let the hen help you.

Interest your boy and girl in poultry keeping.

If you need information on any subject connected with poultry raising and marketing, write,

**THE INFORMATION BUREAU,
DOMINION DEPARTMENT OF AGRICULTURE,
OTTAWA.**

HONOURABLE MARTIN BURRELL, Minister.



EDITOR'S NOTE: Above is a reproduction of an advertisement the Canadian government is causing to be published, at its expense, in numerous daily newspapers, farm journals and other periodicals of large circulation, calling on Canadian poultry keepers, farmers, etc., to produce this year TEN MILLION MORE HENS than heretofore so that the egg yield of the Dominion can be proportionately increased. Half a dozen or more Canadian newspapers and farm journals containing this and other similar advertisements were sent to the editor of A. P. W. by H. B. Donovan of Toronto. See reproduction on opposite page and be sure to read carefully Mr. Donovan's interesting fact-statement on page 382 of this issue of the American Poultry World.

spurs, his crow and his high opinion of himself are all without value when he is killed, dressed and sent to market. Caponize him in his youth and he becomes a profit machine. He adds weight twice as quickly at a less food cost. He may not have a high standing in the chicken yard, but when he comes to market he is double weight and double price per pound."

For one hundred years the firm of Geo. P. Pilling & Son Co., 23rd and Arch Sts., Philadelphia, Pa., have been manufacturing caponizing instruments. This fact will be interesting news to our readers. Lately they have issued what they call "A Full Treatise on Caponizing", which explains the matter in detail and is well illustrated. Readers of A. P. W. can obtain a free copy by addressing Messrs. Pilling & Son Co., and mentioning this magazine.

NEXT WILL COME POULTRY KEEPING

Just now there is a sort of hysteria throughout the United States in favor of back-yard gardening. Not that we wish to ridicule this move—far from it. With wheat, potatoes, onions, beans, etc. at present prices, this nation-wide call for back-yard gardening and the planting of vacant lots and other usable land to vegetables for human food, is both patriotic and sensible.

However, over in Canada this same "call" or "appeal" IS DOUBLE IN CHARACTER—that is, over there, after nearly three years of "being at war", the Dominion and provincial governments are appealing strongly to a patriotic public, not only to plant back-yard gardens, but also to keep back-yard flocks of poultry. No doubt, the same thing will occur in this country within the next thirty days, or as soon as the planting season draws to an end.

Just now it is right and proper to adopt as the national slogan, "Get the Seed in the Ground." Every little garden patch, if no larger than a yard square, can be made to help out in supplying the family table. Every family table that is helped in this way will mean a reduction in the general demand. The total benefit should be truly great.

E. E. Richards, as president of the American Poultry Association, is calling on the American public to produce an extra pound of poultry meat this year for every man, woman and child that makes up our population of one hundred million souls. That indeed is good work! More power to President Richards' arm and to every helper he finds for work along that line.

Hon. D. F. Houston, U. S. Secretary

of Agriculture, already has expressed a keen personal interest in "better poultry and more eggs." Doubtless in this case we should say "MORE poultry and MORE eggs."

Lately a government official at Washington told the American people that every year we are wasting more than seven hundred million dollars' worth of food values in table and kitchen scraps, the bulk of which occurs in cities and goes into garbage cans. That a large portion of this waste should be stopped—and can be stopped—there is no doubt.

President Richards is directing attention to the fact that table scraps and garden waste are simply UNBEATABLE, in large part, as poultry food—and so they are. Then why go on enduring this enormous waste?

Back-yard poultry plants or flocks will help prevent such waste and at the same time will add literally millions of dollars worth of food value to the annual production in this country. It isn't a matter of large flocks, but of small ones—of a dozen hens to 50, 75 or 100. Day-old chicks now can be bought at prices that would be low for hatching eggs. By the time these words are read, the weather will be such that day-old chicks can be raised in most latitudes without artificial heat. Simply see that they are kept warm at night, either in low boxes, underneath a piece of burlap or carpet; also that they get fresh air. To raise them successfully is a simple and easy matter.

Eighty to ninety per cent. of these chicks can be raised mainly on table scraps and garden waste. Later the cockerels can be eaten, and there is no better table meat. Most of the pullets can be kept for laying purposes next fall, winter and spring; then they too can be

served to excellent advantage on the family table.

THESE DAYS, reader, there should be no table waste—no waste of any kind, as regards food values. How much higher the prices of food will go, no one can tell. One thing, however, is certain: nothing now should be wasted that has food value or that can be converted into valuable food products.

A bunch of 25 to 50 chickens will THRIVE in that patriotic back-yard garden, ESPECIALLY SO, after the vegetation grows to a good size. After that the chicks can range among the potato vines, through the corn rows and will do far more good than harm—in fact they will do no harm at all.

From the average table and out of the average family garden, a flock of twelve to fifty chickens can be raised WITH SCARCELY A PENNY OF EXTRA OUTLAY. A little grain will help out—and the cost of same will come back a dozen-fold within a few weeks.

Therefore while you are figuring on cutting down the high cost of living during war times, DO NOT OVERLOOK either back-yard gardening or a small sized flock of chickens. Now is the accepted time to order twenty-five, fifty or one hundred day-old chicks, either for egg-laying or as meat for family use. Try the experiment this spring and summer. We believe you will be glad of it—and thank A. P. W. later on for the urgent suggestion.

LLENROC REDS

BOTH COMBS

50 Good Breeders at \$3.00 each.
Trios and Pens Mated for Good Results,
at Moderate Prices.

Houck & Alt, 87 Fuller St., Buffalo, N. Y.

Halbach's White Plymouth Rocks

"THE PROVEN LEADERS"



are truly giving powerful results. They have this season produced chix that will be a revelation. From just these same great birds backed up by blood-lines that have made the World's record of **Best Display at Chicago for Seven years**. I am now offering eggs after **May 15 at one-half price**, or \$6.00 per 15. Order your setting today and get my free Mating List. Eggs are very fertile, chix exceptionally strong. Positively your best opportunity for truly high-class, heavy-laying winners is awaiting you.

H. W. HALBACH,

Box 3,

WATERFORD, WIS.

Write your wants in baby chix or eggs in any quantity.

Single TOMPKINS' RHODE ISLAND REDS Rose

Send for mating list describing the strongest breeding pens of Tompkins' Reds ever put together. These pens are headed by my winners at the largest shows such as Madison Square, Boston, Palace and Buffalo. A few more high grade cockerels and pullets ready for the breeding pen, at prices that will please the most skeptical. Address

HAROLD TOMPKINS.

Box W.

CONCORD, MASS.

33% DISCOUNT AFTER MAY 1ST
33% S. C. W. LEGHORNS
33% SILVER CAMPINES

On Hatching Eggs and Baby Chickens from my Coliseum 1915 and 1916 Sweepstake Champions. Write for Mating List.

FRANK E. HERING,
SOUTH BEND, IND.

NOVEL FEATURES OF LATEST "OFFICIAL CLUB BOOK" OF AMERICAN WHITE ORPINGTON CLUB

MENTION was made last month in these columns of the official Club Book for 1917, issued recently by the American White Orpington Club, through the enterprise of its president, O. W. Aldrich, and its secretary-treasurer, E. S. Aldrich, both of Columbus, Ohio, proprietors of the Aldrich Poultry Farm.

One of the attractive features of this annual club book in the form of outlines of two typical White Orpingtons, male and female is reproduced herewith, together with the measurements that accompany and explain them, as published on page 64 of the club catalogue.

Other interesting and valuable features of the Official Year Book of the American

White Orpington Club, 1917 edition, are the following articles:

"Advice to Members of the Club as to Exhibitions in Their States," by E. S. Aldrich, secretary.

"The Utility Branch," by O. W. Aldrich, president.

"How to Make Poultry Raising Profitable," by E. S. Aldrich—reprinted from the American Poultry Journal.

"White Orpington Judging," by C. S. Byers, Hazelrigg, Ind.

"Progress in Orpington Breeding," by Maurice F. Delano, proprietor Owen Farms, Vineyard Haven, Mass.

"The Single Comb White Orpington As a General Purpose Fowl," by R. Sherman, Schaghticoke, N. Y.

"How to Pick Out Your Layers," by J. S. Morris, Morris Poultry Farm, Lebanon, Ohio.

"The Popularity of the S. C. White Orpington," by Percy A. Cook, Scotch Plains, N. J., son of the originator of the Orpington breed.

"Judging Solid Colors," by E. H. Hoffman, Poultry Judge, reprinted from Poultry Tribune.

"My Reasons for Breeding White Orpingtons," by W. N. Servis, Garden Grove, Iowa.

"The Orpington As I See It," by D. E.

Hale, Editor Big Four Poultry Journal, Chicago, Ill.

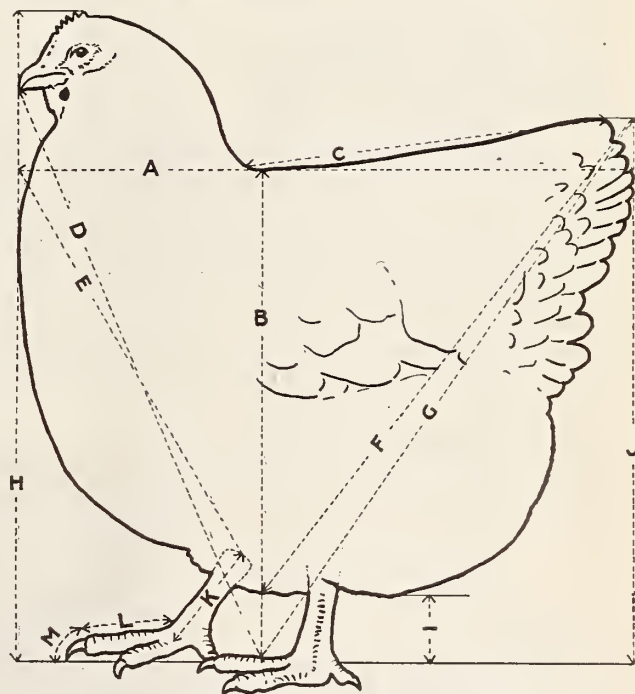
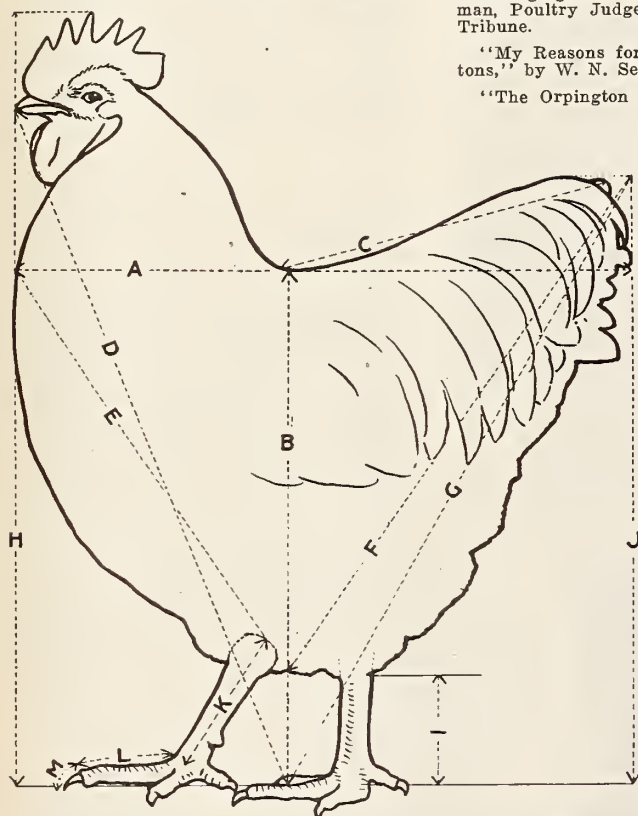
"Judging White Orpingtons," by Len Rawnsley, Columbus, O.

"The Farmer and White Orpingtons," by F. M. Springer, Bloomington, Ill.

"Conditioning White Birds," by E. S. Aldrich, Columbus, O.

Also in this White Orpington year book appears the Constitution and By-Laws of the club. Another striking feature of the official book is a report on "the true Orpington type" by a committee consisting of O. W. Aldrich, Len Rawnsley and E. S. Aldrich. Among other things this report claims that the description of the tail section in the present Standard of Perfection is incorrect—that it does not meet with favor on the part of expert Orpington breeders and experienced judges at the leading poultry shows.

This is indeed a progressive and aggressive club catalogue and numerous A. P. W. readers will do well to send for a copy. It contains much information of value to Orpington breeders, all varieties.



By special permission we reproduce from the latest official Club Book and Revised Standard of the American White Orpington Club, a drawing of a White Orpington male showing the type of bird that finds favor today with the best breeders and judges. The following measurements were taken of the first Madison Square Garden cockerel, January, 1917:

F is 16 inches	Weight, 9 lbs.
E is 13 inches	Across shoulders, 10 inches.
B is 15 inches	Length of wing, 10 inches.
A is 18 inches	Across fluff, 4 in., from floor, 12 in.
H is 23 inches	Around leg above spur, 2½ inches.
J is 18 inches	Around hock, 3½ inches.
C is 12 inches	Highest point of comb, 1¾ inches.
I is 3¾ inches	Front to last point of comb, 3 inches.
K is 5¼ inches	Eye to end of wattles, 3¼ inches.
G is 20 inches	Length of beak, 9-16 inch.
D is 22 inches	Length of spur, ½ inch.
L is 2½ inches	
M is ¾ inches.	

Three first prize Orpington females were measured along the lines indicated above, with the following results:

FIRST CHICAGO COLISEUM HEN

H is 17 inches	Length of shank, 4½ inches.
	Width across shoulder, 10 inches.
J is 14 inches	Width across saddle, 9½ inches.
	Width across fluff, 9½ inches.
C is 16 inches	Length of comb, 2 inches.

FIRST CHICAGO COLISEUM PULLET, 1916

H is 15 inches	Length of shank, 4¼ inches.
J is 13 inches	Width across shoulder, 9½ inches.
C is 15 inches	Width across saddle, 8¾ inches.
B is 12 inches	Width across fluff, 9¼ inches.
	Length of comb, 2 inches.

FIRST MADISON SQUARE PULLET, JAN., 1917

C is 12 inches	Weight, 7 lbs.
B is 11½ inches	Across shoulder, 8½ inches.
J is 12 inches	Across saddle, 7 inches.
H is 14½ inches	Across fluff, 10 inches.
K is 4 inches	Around leg, 2 inches.

OPEN LETTER ON PRESENT POULTRY CONDITION IN DOMINION OF CANADA

THE 22nd of March, editor of A. P. W. wrote to H. B. Donovan, editor and publisher of the Canadian Poultry Review, Toronto, Ont., and asked him for a fact-statement of the effects the old-world war has had on the poultry industry of Canada—an agricultural country that in this world's war is situated about as the United States will be situated, i. e., Canada is 3,500 miles away from the actual battle fields, yet the Dominion "is at war" and already has sent about 300,000 men to Europe and has another 150,000 in training.

For nearly three years Canada has been "facing Europe"—has been giving up men and millions to the war god, yet the poultry business over there has not languished; on the contrary, the Dominion government, the provincial governments, the live stock commissioner, the farm journals, the poultry press—all are calling on patriotic men and women to produce more poultry, then more poultry again, and still more poultry.

In his open letter to readers of the American Poultry World, Mr. Donovan gives THE FACTS as they are known to him. Accompanying his letter were several sheets torn from daily papers and farm journals, wherein the claims made by him are shown as facts—big and substantial facts THAT NO ONE CAN GAIN SAY. See two sample government advertisements reproduced herewith.

In the United States, the same as in Canada, during the next few months, wonderful changes will take place in many industries and it behooves every American poultry keeper, man or woman, to be thoroughly alive to the NEW OPPORTUNITIES.

Following is Mr. Donovan's open letter:

"Toronto, Ont., April 4, 1917.

"American Poultry World,
"Buffalo, N. Y.

"Dear Mr. Curtis:—

"Replying to yours of March 22nd, there can be no question whatever but that the cult of poultry production has never been so extensively carried out in Canada, as it is being done this season. This is our 'production year.' It is recognized that while every Canadian cannot fight in the trenches, every one, even from twelve and fourteen years upwards, male or female, can help in what we call our 'Production Campaign.' We are going about it cheerfully but steadfastly.

"Our men in the trenches have to be supplied with the best we can give them and our country's finances have to be kept on a sound international basis. To accomplish this means 'production,' and then MORE PRODUCTION. This is recognized, not alone by individuals, but by our various governments, both Dominion and Provincial. These governments are making every effort, using every means to promulgate the gospel of increased production, for they know that as a country, yes and as an Empire, that we shall need it.

"The power of the press is being fully recognized, both in Ottawa, Toronto and other Provincial government centers. For instance, I enclose you document, 'A Plan for the Assistance and Encouragement of Urban Poultry Keepers,' which has just been sent out by the Poultry Section of the Dominion Department of Agriculture. This I have marked Exhibit A. It will pay breeders on your side to read it. Then I enclose you also a number of advertisements put out through the press of various sections of the Dominion and Ontario Governments. Read the Victory Cry in the large display advertisement, Exhibit B, which amongst other things the advice is given, 'Rear another brood of chicks.' Exhibit C is along the same line. It is headed 'Keep up the Food Supply and Help Make Victory Sure.'

"Again note specially Exhibit D, a large display ad. put out by the Ontario Department of Agriculture. Here we have the same note, where the help of every man, woman and boy is called upon, and invitations are requested for a Poultry Bulletin, which tells how to keep hens. Exhibit E is from a weekly local paper, the Oakville Record. This advertisement is right in our line; it has been spread broadcast all over Ontario. It is illustrated with an attractive poultry picture. The big display heading reads, 'Keep Hens This Year.'

"Everywhere I go I hear 'increased production' as the theme and nine times out of ten it includes the raising of poultry, AND MORE POULTRY. Naturally we look upon our papers as a fair index to the conditions of the industry in which we are both so vitally interested. It sounds too much like free advertising, and our advice is to use the blue pencil on it if you think best, BUT WE HAVE NEVER DISTRIBUTED IN THE PAST AS MANY COPIES OF THE CANADIAN POULTRY REVIEW AS WE ARE DOING TODAY, nor have we EVER BEFORE had so many names on our regular mailing lists. Neither have we carried so many or so much advertising, even though last year was supposed to show a diminution in the number of poultry carried over for the present breeding season. I did not see this eye to eye with many others, for although the price of feed has been high, THE PRICE OF EGGS AND POULTRY MEAT HAVE ADVANCED IN CORRESPONDING RATIO.

"Furthermore, our advertisers tell us that they HAVE NEVER HAD BETTER BUSINESS THAN THIS YEAR and, rather surprising, the sale of cockerels has been unusually good. We always look for a big sale of pullets and yearling hens, but this season surplus cockerels have sold freely, and this leads to the suggestion that they are to be used for breeding and that a larger number of chicks will be raised during 1917 than ever before.

"Coming right down to the commercial side of the industry today, I might say in closing that for the past ten years Canada did very little business in the exporting of eggs, all we produced and more being consumed in the Dominion. We now see the necessity of producing for export to those countries, especially to Britain, WHERE EGGS ARE A VITAL NECESSITY TO OUR WOUNDED, and where their scarcity has sent prices sky high. During the past two seasons we have developed an enlarged export trade, and this is bound to go on increasing for some years to come at any rate. During part of last winter fresh eggs were selling freely in Toronto, Montreal and other centers AT EIGHTY-FIVE CENTS PER DOZEN, and in speaking last week to a government official connected with the industry, he gave as his opinion that eggs this summer, in the larger centers, would not drop much below thirty-five cents per dozen. I was moderate and placed the minimum at from twenty-seven to thirty cents. He is in a better position than I am to judge.

"In the above I think I have given you enough to enable you, and our cousins to the south of us, to form some conception of the present status of the poultry business in Canada, and its prospects for the future. I hope you agree with me.

"Yours truly,

"H. B. DONOVAN."

In behalf of A. P. W. readers, also in the name of patriotism throughout the English-speaking world, we thank Mr. Donovan for his open letter and the vitally interesting facts contained therein. His report will be received as one of great encouragement to poultry keepers of the United States. That the poultry industry of this country will respond promptly and patriotically to THE NATION-WIDE CALL FOR INCREASED FOOD PRODUCTION, may be accepted as a certainty. New and remarkable developments will take place in this industry during the next few months.



HOMESTEAD SILVER CAMPINES

THE VIGOROUS STRAIN

Our consistent winnings at the larger shows the past season, including Madison Square Garden, Grand Central Palace Show, New York State Fair and Boston, and in addition to this the fact that our customers have won during the past season in New York, Maryland, Pennsylvania, Ohio, Connecticut, Rhode Island, Wisconsin, New Hampshire, Michigan and Massachusetts, would indicate that the

VIGOROUS STRAIN

birds have quality. Add also their reputation for egg production and one can readily see that the beautiful Homestead Silver Campines are most desirable, both for Utility and for the Show Room.

Our beautiful new catalog—Price 15 cents.
—HOMESTEAD—The word that Dominates in the world of Campines.

HOMESTEAD CAMPINE FARMS, Box W, Wayland, Mass.

WOULD YOU LIKE TO RAISE CHICKENS WORTH

\$50, \$100, \$150 and \$200?

Then write to-day for full information on how to do this. I will show you how you can make big money out of "Aristocrat" Barred Rocks.

W. D. HOLTERMAN, Fancier, Box H, Ft. Wayne, Indiana, U. S. A.



**GEORGE H. LEE'S PRACTICAL
POULTRY ADVICE FOR
EARNEST WORKERS**

Recently Geo. H. Lee, Omaha, Neb., originator of poultry helps in the form of remedies, insecticides disinfectants, etc., and inventor of poultry equipment, sent A. P. W. samples of several down-to-date booklets which he mails free on request to interested persons. We have looked through five of these booklets and they contain valuable advice for poultry keepers, not only for the beginner, but also for experienced men and women in this field of effort. Following are the names of these booklets:

- "Common Sense Chicken Talk."
- "Secrets of Success With Chickens."
- "All About Eggs."
- "Care of Baby Chicks."
- "Pointers for Summer and Fall."

These booklets—pocket editions—are 3 1/4 x 6 inches in size, and each contains twenty-four pages. Following are sample quotations from Mr. Lee's "Common Sense Chick Talk:."

"Don't be like the average city man in his vegetable garden. In the balmy days of spring he enthusiastically plants the seed and perhaps hoes it once. Later he finishes with a scythe.

"When dealing with diseases of chickens watch daily the comb (as sure an indicator of trouble as the coating of the human tongue) and also the droppings.

"When the family doctor calls to examine the patient he examines the tongue, feels the pulse, and asks as to the state of the bowels.

"A healthy comb is bright, blood red. Any deviation from this—dark, purple, or black in color, or with white spots or scurf—indicates something wrong.

"Healthy droppings are dark slate color, firm and hard and tipped with white. If soft or fluid, light brown, yellowish or green in color, and if the white tip is absent, look out for trouble."

The following "good advice" on the question of sensible feeding is quoted from Mr. Lee's booklet, "All About Eggs:."

"Constant experimenting in changing feed every week or two, is one of the worst things in the world for egg production. The best advice that we can give to any poultry raiser desirous of a good egg supply, is to adopt some plan which has been found serviceable to others over a period of years, and then follow that plan to a finish."

Treating on the increase in the price of poultry foods here lately, as compared with the proportionate advance in the prices obtainable for fresh eggs, Mr. Lee says:

"From this showing it will be seen that the increase in price of eggs and poultry has more than offset the increase in the price of food, and especially so, when it is considered that the average hen on the farm will pick up fully one-half of her food without any expense whatever, and the average small flock in the home backyard will get more than half its feed from the home kitchen, without cost.

"A hen consumes about six pounds of

food per month. Hen feed has advanced one to one and one-half cents per pound. Eggs have advanced an average of seven cents per dozen, so that the hen that lays over a dozen eggs per month is more profitable than formerly, even at the higher prices for feed."

In these booklets, which are mailed free on request, postpaid, Mr. Lee advertises his poultry specialties, but this fact does not interfere with the sound advice he gives for the care of adult

fowls, of baby chicks, of poultry houses, etc.; therefore we recommend these little free booklets to A. P. W. readers and suggest that they write for a package of them. For years Mr. Lee has been a careful student of practical poultry questions—in fact, for a long time he was a successful breeder of standard-bred fowl of exhibition quality. Few men in the great central-west have spent a longer period as a student of poultry and a manufacturer of poultry necessities.

S. C. BLACK MINORCAS

Won at Great Boston Show, 1917—FIRST HEN (Star of the class).

Our Minorcas *Win and Lay*. Egg average, 30 ounces to the dozen.

White Rocks: Won at Grand Central Palace, New York, 1916, FIRST PULLET and Special for Best Female in Class of 25. *Send stamp for booklet.*

Hatching Eggs and Baby Chicks from both varieties

C. E. TRACY, M.D. Box W, CASTLETON-ON-HUDSON, N. Y.

Write Your Own Guarantee

on the greatest, most practical coal-burning brooder ever made. Burns 24 hours at one coaling. Self-feeding, self-regulating, everlasting. Broods 100 to 1000 chicks. Used by over 10,000 big and little breeders. The

Standard Colony Brooder

(Patented)

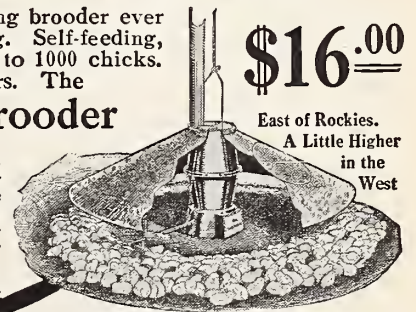
will do anything any other brooder will do regardless of price, and do it better. We sell it on thirty days' trial. Write your own guarantee. Beware of imitations.

Agents Wanted Write for it or ask your dealer. Some territory still open. Write for proposition.

THE BUCKEYE INCUBATOR CO.
39 Euclid Ave. Springfield, O.

\$16.00

East of Rockies.
A Little Higher
in the
West



OWEN FARMS

Buff and White Orpingtons, White Plymouth Rocks,
White Wyandottes, S. C. Rhode Island Reds and
S. C. White Leghorns

Have Improved Flocks All Over The World

Former advertisements and my printed matter will give you the wonderful records of my birds and descriptions of matings.

YOUR OPPORTUNITY

Eggs Half Price After May 10th.

Making Eggs, as they run, from my Finest Matings
\$5.00 for 15; \$9.50 for 30; \$15.00 for 50; \$25.00 for 100.

From my Fine Second Quality Matings

\$2.50 for 15; \$7.50 for 50; \$12.50 for 100.

Utility Leghorn all-Hen Matings \$10.00 for 100, and Pullet Matings \$7.50 for 100.

Order directly from this advertisement and save yourself time, as all orders are filled in rotation as received.

Part Of My Breeders Of All Qualities

for half their real value for delivery early in June. Your chance to secure fine adults at genuine bargain prices. Scores of customers take advantage of this Spring Stock Sale each year.

Be Prepared for the Show Room and the Breeding Pen for Next Year

OWEN FARMS

115 William Street,

Vineyard Haven, Mass.

MAURICE F. DELANO, Proprietor. FRANK H. DAVEY, Superintendent.

**F. M. PRESCOTT, RIVERDALE, N. J.,
IS A STRONG BELIEVER IN
FUTURE OF POULTRY
INDUSTRY**

Readers of A. P. W. who are in the market for moderate-priced, day-old chicks of several popular varieties will do well to send for the 1917 mating list of Riverdale Poultry Farm, Riverdale, N. J., F. M. Prescott, proprietor. Mr. Prescott breeds the following varieties: Light and Dark Brahmas, Single Comb Rhode Island Reds, White Wyandottes, Barred Plymouth Rocks and Single Comb White and Brown Leghorns. He breeds them for show quality and utility values. His interesting and instructive catalogue, 1917 edition, consisting of 24 pages and cover, 6x9 inches, will be mailed free on request if you mention A. P. W. In a letter of date March 8th, Mr. Prescott says:

"Am sending herewith our latest printed matter which is our 1917 mating and price list. A great many poultrymen try to do business direct from ads. This is not our plan. We simply want the ad to make the introduction—to bring us the inquiry—then we rely on our catalogue to do the business.

"We closed 1916 some \$1500 in excess of 1915, with the largest turn-over yet experienced. The year was remarkable in this particular—that most of the increase came in the latter half, which heretofore has been our dull season. We hope this repeats itself during 1917.

"Sales for 1917 to date have been good and some \$500 in excess of the first two months of 1916. We are running the limit of our capacity, until our fourth mammoth incubator, with 6,300-egg capacity, is in operation, which will be the latter part of this month. Then we can accept a lot of business we are now unable to take care of.

"Our faith in the future of this industry was never brighter. We get frequent requests to buy out entire flocks from owners who are scared by high feed prices. Have lately bought some half dozen such flocks and others will follow suit on account of the increased cost of foods. That will make poultry and eggs still more scarce and will tend to advance the prices of same, by the natural law of demand and supply.

"When feed prices and other commodities eventually drop back to normal, as they surely will, a large portion of these poultrymen who have sold out will start in again, making another big demand for poultry, hatching eggs and day-old chicks; therefore prices will still range high until this demand is satisfied.

"All those now selling out will eventually buy back and start in again, doing so at higher prices than they can now obtain. I cannot see anything ahead but plenty of business and good profits for those who STAY in the business through these unusual times.

"The demand, according to my daily mail, is largely for trap-nested, high egg record laying stock and I am putting all my utility flocks this season on that basis, as am progressive enough to keep up with the times."

In recent issues the readers of A. P. W. and the Reliable Poultry Journal have been given trustworthy information to the effect that while the cost of corn and the prices of commercial poultry foods are

now high, the prices for table meats of all kinds, including poultry, also the prices obtainable for eggs for table use have been higher the past fall and winter and thus far this spring than ever before in the history of the poultry industry.

It makes but little difference, practically speaking, to the poultryman whether he pays \$1.50 per hundred pounds for poultry food or \$3.00 per hundred pounds, provided he gets twice as much or more for his poultry products. This refers particularly to the poultryman who is sending his surplus fowls and eggs to the daily market.

When it comes to the fancier-breeder, the man or woman who produces choice standard-bred fowl, it is a simple matter to add five cents or ten cents per egg to the selling prices, or fifty cents, a dollar, two dollars or even five dollars to the per sitting price or per hundred price.

Really it is not a question of price, either in peace times or in war times. On the contrary, it is a question of value—of beauty value or utility value—or, better still, A COMBINATION OF THE TWO. This has been so since the early days of poultry culture and it will be true to the end of time.

Congratulations to Mr. Prescott on his courage and enterprise. Ever since we began to receive letters from him he has been making steady progress, first to last. The demand for poultry products of his production has exceeded the supply, notwithstanding the fact that he has added one mammoth incubator after another until now he has four in operation, each having a capacity of 6,300 eggs at one sitting. Theories are all right for argument—but facts like these are what count.

**SOUND ADVICE FROM CHAS. J. FISK,
PATRIOTIC OWNER OF WILBUR-
THA POULTRY FARMS, TREN-
TON JUNCTION, N. J.**

On page 376 of this issue of A. P. W. is published an open letter from Chas. J. Fisk, the well-known poultryman, that rings with patriotic fervor and will appeal to the common sense of our well-informed readers.

We ask A. P. W. subscribers to read and re-read Mr. Fisk's announcement entitled, "Patriotism and Poultry."

As he states, more than ever before we need to safe-guard the poultry industry of the United States. May is an excellent month in which to hatch utility pullets and Mr. Fisk's urgent appeal to all poultrymen, fanciers, utility breeders and owners of hatcheries to speed up hatching operations has the hearty en-

dorsement of the American Poultry World.

Patriotism, not profit alone, should be the great motive at this time. America will need food and need it badly. Poultrymen can help supply an abundance of eggs—and eggs are one of the most important of our staple foods.

Incidentally right now we can do much to demonstrate the tremendous value of the poultry industry to our national welfare. Let's take hold of this proposition with courage and determination, everyone of us, and do ALL WE CAN to meet our country's need.

**MAY HATCHED
LEGHORNS**

FOR WINTER PROFITS

**\$1.00 Per dozen for eggs
next Winter.**

That's what we predict will be the price next December. It will be May and early June hatched S. C. W. Leghorns that will be producing the bulk of the eggs at that time. The March and April chicks will have become stale and indifferent layers at that period.

We are producing 18,000 to 20,000 W. Leghorn chicks a week, and have already had to turn down orders for more than 100,000 April chicks. Don't be too late on getting our May and early June deliveries.

We are trap-nesting more Leghorns than any other breeder in the Eastern States, if not in the whole United States. We are not only quantity breeders, but are conscientiously raising the standard of excellence of our strain. We believe we are responsible for more good Leghorns in the hands of the public than any other breeder in this section of the country.

If you are looking for first class, intelligently bred stock you will sit right down and send for our 97 page catalog. Our prices are no higher than for common stock. Get busy, because we shall not have one-quarter enough chicks to supply the demand.

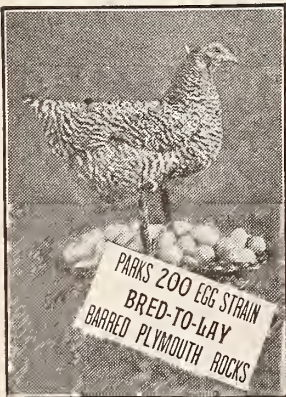
Address,

The Lord Farms

OR

THE EVERLAY FARM,

Box 240-G, Methuen, Mass.



Parks' Bred-To-Lay-and-Do-Lay Barred Plymouth Rocks

1889—Are America's Oldest and Greatest Laying Strain—1917

T'was they that outlaid the 2,600 birds in the last five Missouri Laying Contests, made up of over 45 varieties, the cream of the best laying flocks of 37 states and eight foreign countries, including the Famous English and Australian laying strains.

They have been among the history makers in all the American Laying Contests, and made the remarkable contest winter month record of 134 eggs for January (five birds).

Bred with the object of bringing the Egg Basket and the Standard of Perfection into a closer relationship.

EGGS SELECTED UTILITY, \$2-13; \$6-45; \$12-100.
PEDIGREED-SELECTED, \$5-15; \$8-30; \$11-50; \$20-100.

EGG AND CHICK CIRCULAR FREE. LARGE 40-PAGE CATALOG, A DIME.

J. W. PARKS,

Box W,

ALTOONA, PA.

COMBINES BEAUTY—UTILITY IN HIS "GOLDEN" LEGHORNS

By Dr. Heasley and Editor A. P. W.

(Continued from page 373)

conclude this brief and incomplete list by saying that the cock bird, who made the double win this season of heading first old pen at both the Chicago Coliseum and the National Club meet at Detroit, was a son direct from 'Miss Storrs' who laid 193 eggs in the Storrs Egg Contest, and is sired by the son of a hen making a six months' winter record in the Missouri Contest of 126 eggs; also that the first pen cockerel in the National Club meet at Detroit in 1917 was 262-281-egg blood on the side of the sire and 211-215 blood on the side of the dam, while the first cockerel in this strong cockerel class was sired direct by the son of 'Contest Queen,' the 215 record hen referred to above.

"The increasing demand for stock of this kind of breeding caused us to equip a plant with special breeding house, large laying house, colony houses and Hall Mammoth incubator, and to give the business our entire time.

"And so by dogged perseverance in attempting to produce the kind of fowl that could win in the best of exhibitions and yet pay the feed bills and leave a nice profit between the show seasons, we have been rewarded, by seeing our egg-bred specimens win the coveted prizes in our largest shows, and also taken up by commercial men as a sure producer of profit where a proven winter strain of Leghorns is desired. In other words, we have proved beyond question that the Heasley Golden Buff Leghorns are 'bred for eggs,' yet 'are fit to show.'"

This is indeed a strong article from a poultry enthusiast. Dr. Heasley has agreed to furnish us another fact-story, giving his experience in advertising, also some breeding details and facts about special equipment that has proved satisfactory and profitable to him. Here we have a close observer, a man who relies on records and figures in his determination to know what is what in con-

nection with his standard-bred fowl, with the object of making out of them all the profit he can on legitimate lines.

"Egg-Bred Winners" is the name Dr. Heasley has given to his strain of Buff Leghorns, and it is a good one.

What the breeders of S. C. White Leghorns have done and are doing with the White variety of this breed, Dr. Heasley has done with his standard-bred Golden Buffs for which the latest edition of the American Standard of Perfection gives the color plumage as follows: "Surface throughout an even shade of RICH, GOLDEN BUFF, free from shafting or mealy appearance," also "a harmonious blending of buff in all sections is most desirable."

Here indeed is a beautiful fowl, and Dr. Heasley has proved first, that they can be brought to lay as many eggs per hen per year as the famous White variety of this breed; second, that prolific layers of the Buff variety can be bred to prize-winning quality and still perform splendidly as egg-machines, laying liberally during the winter months as well as at other times of the year.

Here again we have a man of intelligent perseverance who DISCOVERED THE WISDOM OF LINE-BREEDING, of following methods used in the successful breeding of live stock for domestic purposes. For Dr. Heasley it is and has been healthful work. It did much to restore him to good health. Moreover, it won him away from professional life, so that now he is devoting his undivided time and practically all of his energy to the production, improvement and sale of S. C. Buff Leghorns. His restored health, as derived from this out-door physical labor, can be had by many thousands of other professional or office men, and the success he is meeting with in advertising and selling the fruits of his labor and the products of his skill, also can be enjoyed by practically an unlimited number of men throughout the United States and Canada. To bring home these facts to many, many readers of A. P. W., is our object in asking men like Dr. Heasley to take "World" subscribers into their confidence and give them the benefit of valuable experience along these lines of personal achievement and success.

BLUE ANDALUSIANS

*Bred as a Specialty
Winners Wherever Shown*

Heavy Layers of Large White Eggs

*Settings of Eggs For Sale.
Write for 1917 Mating List.*

E. D. BIRD, Greenwich, Conn.

BROODER

For \$2.96, including heater, you can build the simplest, most efficient, and most satisfactory brooder ever made. **\$2.96**

Wind-proof; fire-proof; rat-proof; fool-proof. Can be built by anyone in an hour, with saw and hammer. Plans 10c.

I PUTNAM, Route 501 ELMIRA, N. Y.

LAURELWOOD FARM

S. C. Brown Leghorns

"The GUIDON"—1st prize cockerel, Madison Square Garden and Palace shows 1916-17.

Pronounced by artists and judges to be the "Standard's Ideal"—"Years ahead of his time." Color, type, head points and condition unapproached by the wonderful display of the largest and grandest exhibition of S. C. Brown Leghorns ever shown at the Garden. These birds have been bred by Laurelwood Farm for 14 years and this "outstanding Gem" is the result of rigid selection and ideal bird life conditions.

Dark and light mating eggs in season.

LAURELWOOD FARM

Mrs. Alice Smith, Prop.

PEQUANNOCK, NEW JERSEY

MACK'S

S. C. Rhode Island Reds

OWEN FARMS' STRAIN

We entered three cockerels at the last Garden Show and won third. Judge Mapes said if there had been two more honors he would have placed our other two cockerels 6th and 7th. This speaks well for the good quality of our birds.

Stock and eggs from fine matings for sale.

JOHN E. MACK

Arlington, Dutchess Co., N. Y.

FISHEL'S WHITE WYANDOTTES



Our thirty-five mated yards this season have far excelled any we have ever put together, they have given us the best results as to fertility and we have our brooder house overflowing with baby chicks to supply our fall trade. Therefore we are going to

REDUCE PRICES MAY FIFTH

Eggs from Pen One to Pen Thirty will be sold at just half the price listed in our general quotations. Eggs from Pens thirty-one to thirty-five will be sold at \$2.00 per sitting.

EGG-A-DAY FLOCK

Eggs from flocks A, B, and C will be sold at \$12.00 per hundred; from flocks D, E, and F at \$8.00 per hundred.

We are giving the best reductions we have ever given, and even at the full purchase price our customers are receiving great value for their money, but with this reduction in price it is an opportunity that has never been offered before.

Can quote special prices on breeding pens at this time, as well as on fowls and breeding males, and this, too, is an opportunity of which you should take advantage.

Send for our catalogue and mating list describing these grand matings and quoting prices. Get your orders in early; May 10th will give you time to get May hatched chicks at reduced prices. "First come, first served." All orders filled in rotation, therefore mail order direct from this advertisement.

J. C. FISHEL,

Box W,

HOPE, INDIANA

WHAT A WOMAN CAN DO WITH POULTRY

By Mrs. Alice Smith, Pequannock, N. J.

[Continued from page 366]

stayed at night with her. This sow proved one of our best investments.

The forest trees we have not disturbed; only the birches were cut down. A beautiful mass of Mountain Laurel growing in the middle of the woods, was the inspiration for our farm's name—Laurel-woods.

Four years ago, the farm adjoining was sold to a real estate operator and what I thought would eventually be the fate of this ground came to pass. The place was divided into plots with two long roads running through the property, 50 feet wide and 100 feet from our place to the road. The only thing to save my place was to buy the 100 feet between us and the road—this meant 100 x 525 feet—a little over 1¼ acres, and \$760.00 was the price—many times the cost of our six acres. My ready cash had been put into the place as soon as earned, but we had to secure that road on that end of the farm by all means. I offered to start the land-selling by buying the first lots and paying for them as I made the money and got it out of crops grown on the lots—and the deal was closed. I then felt my place was secure from building operations which I did not desire so close to me. To help also pay this extra load we built a three-room cottage, all shingle, one end a glassed-in bedroom which looked like a porch, 20 x 26 feet being the size of same. I knew we could rent this and sell products to the family occupying it. We had as guests a family of four. Part of the cost was borne the first season. Next season I rented my own place and lived in an out building to get my indebtedness paid off the sooner. A lady buying lots from this adjoining farm was in love with our little shingle bungalow and bought it for \$650.00, I agreeing to move it onto her lots. This was not a very wise move—it would have paid me better to keep it for renting summers.

We made many improvements on our original houbt bit by bit as we could afford them, and built a barn, 24 x 50 ft., besides remodeling the first little barn into a wagon shed. We have six good double-pitch chicken coops, a building, 8 x 12, for separator and supplies for chicks, brooder house, nearly all glass, shingle roof, heated by two coal-burning hovers many small brooders, growing chick houses, a concrete pig house and a great deal of equipment and all necessary farming tools and other tools to work with. We also have a comfortable home with improvements and outside of \$205.00 indebtedness on the extra land we bought, we are not indebted to anyone.

It has not been all clear sailing. Many sleepless nights and cloudy days I have

gone through not knowing how I was going to pull through, but I always thought that as long as I kept at it I would not go under for lack of making the attempt.

Starting here eight years ago with nothing ahead, but with a determination to get a home of our own, we have succeeded, with the help of the chickens, to attain what we never could have accumulated in this short time. We lived

EGLANTINE - BARRON - WYCKOFF

S. C. White Leghorns

EGGS AND BABY CHICKS

PAISLEY EGG FARM
EAST RANDOLPH, N. Y.

"The Home of Twelve Hundred S. C. White Leghorns"

There's Big Money-Health and Happiness In the Poultry Business— It's a Gold Mine If You Know how to raise them. Our simple, practical Correspondence Course makes you an Expert—You'll know how to make big success. Cost small—Start right. Write for Catalog. It's the American School of Poultry Husbandry, Box 400 Leavenworth, Kans. Prof. Quisenberry, the Great Poultry Expert, Dean Faculty.

BUT DON'T GO AT IT BLIND

FREE

Mention the above box number and send 25c and we will send you our 100-page book which tells everything about raising **CHICKS FROM THE SHELL TO MATURITY**. Poultry book free with every inquiry.

ORCHARD FARM REDS

EGGS FOR HATCHING

Write at once for particulars.

ORCHARD FARM, NOROTON HEIGHTS, CONN.

First Madison Square Cockerel

AND

First Grand Central Palace Cockerel

Together with other big New York winners head our breeding pens of

BUFF ORPINGTONS

Write for Mating List or Come and See Them.

J. R. Beard,
Owner

LUCKNOW FARM
Box W, SOUTH NORWALK, CONN.

E. B. Sprague,
Manager

WAR SALE

The Morris White Orpingtons

"The Proven Leaders"

Stock for Sale at Half-Price. Beginning May 1st, we will offer at half-price one-half of our breeding stock—hens, pullets, cocks and cockerels. This is **Your Opportunity**. We can spare them, you can use them. This stock will include many of our breeders that produced our great winners at **Madison Square, New York, Coliseum, Chicago, and New York State Fair**, the past season. We won 10 firsts out of a possible 16 and Best Display at each of these Shows also more points than any three of our competitors combined.

Some great bargains await you. Get the **Winning Strain**, get the breeders that will produce winners.

Eggs for Sale from all our matings at half-price after May 1st.

Send for Catalogue and Mating List.

The Morris Poultry Farm

H. RAWNSLEY, Manager

Lebanon, Ohio

PREMIER PARTRIDGE WYANDOTTES

ACKNOWLEDGED EVERYWHERE AS THE WORLD'S QUALITY STRAIN

BABY CHICKS AND EGGS FOR HATCHING

We are again offering Baby chicks and eggs for hatching from ten of the best matings we have ever put together. Send for our 1917 catalogue and mating list describing them.

Eggs \$5 per 15.

SHEFFIELD FARM, H. B. Hark, Manager, GLENDALE, OHIO.

Baby Chick 60c each.

in the country nine years before this, paying rent and moving around. At the end of that time we were no more in pocket than when we left the city.

During my hatching and rearing of many hundreds of chickens each season I always had an ideal which I strived to accomplish. Since 1907 I have had my best specimens at the shows and I am deeply grateful to the poultry show people, judges, members of the poultry press and others connected therewith, for the help and courtesy that has always been extended to me. At the last Madison Square Garden Show I was repaid for all the hardships I had gone through in the attainment of my goal—our home and chickens of which we could be proud—when the judge asked the gentlemen present (from different parts of the country) to stand, lift their hats and bow to the finest specimen of a Single Comb Brown Leghorn male ever produced.

Opportunities are lying around for those who will grasp them. The young people who are leaving the country for the city are leaving golden opportunities behind, if they would only see them. There is room always and a demand for something a little better than commonplace. For my persistence in this line of thought, I have been dubbed, affectionately or otherwise, "Chicken S—." If I have earned the above nom-de-plume I have also had impressed upon me Emerson's words:

"If a man write a better book, preach a better sermon, or make a better mouse-trap than his neighbor, though he build his house in the woods, the world will make a beaten path to his door."

A path has been made to our door, sometimes out of curiosity, many times for business. Many people come just to look around—and I have never been able to supply the demand made upon me.

There is always a market for a first-class product and a little more can be obtained for the uniform lot. We have many times secured a premium over the market price for such.

Poultry culture is permanently a business for women. The little chick, and I might say the whole flock, needs the fostering care that only a woman can give. It counts immeasurably.

I have told you the story of how my chickens have been the means of prolonging my eyesight and securing for me a home and independence. It has only been every-day work and planning and taking advantage of the opportunities offered; starting at the bottom, willing to take the failures as guide posts for the future. Also there has been an abiding faith in one's self and the ability to adapt one's self to conditions.

If all my dear women readers could have seen what we had to face eight years ago and see our place now with its peach, plum and apple orchards bearing; its asparagus and its other small fruit thriving (due to our chickens and

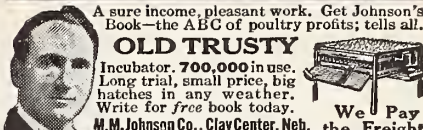
WATT'S S. C. REDS WIN EVERYWHERE
Best Display Brocton Fair, 1916. 1st Pullet, 2nd Cockerel, Boston, 1917. If you want the best write to

H. E. WATTS, Monument Beach, Mass.

their scratching), I am inclined to believe that the high cost of living, meat in particular, would take a big drop because of the many women who would engage in this good, sound business of poultry culture.

I close with the earnest wish that this story may serve to encourage some women to gain independence through the medium of poultry keeping. Who knows that my achievements may seem small in comparison with what others can do?

Profit With Chickens
A sure income, pleasant work. Get Johnson's Book—the ABC of poultry profits; tells all.
OLD TRUSTY
Incubator. 700,000 in use. Long trial, small price, big hatches in any weather. Write for free book today.
M. M. Johnson Co., Clay Center, Neb. **We Pay the Freight**



CHAMPION WYANDOTTES

SILVER, GOLDEN, WHITE AND BLACK

Wonderful shape, size and clear oval standard lacing. The Keller strain is the oldest established strain of Wyandottes in the world. They have set the pace for all to follow. We have line bred them for 33 years. There is no strain that has won so many premiums at the great shows of the land during the last 30 years. We have alone won over 300 premiums at Madison Square Garden since 1890. We won 23 regular class premiums at Chicago including 13 firsts this past winter. Our matings were never so fine containing about 300 actual winners at New York, Chicago, Rochester, Cleveland and Columbus. Eggs \$3 and \$5 per setting straight. Utility eggs from heavy laying farm flocks \$10 per 100. 300 fine birds to spare, also Golden Sebrights. Mating list.

Ira C. Keller, Box 25, Brookside Farms, Prospect, Ohio



BEUOY BOW CAPON TABLE
CAPONS THE 1917 NEW WAY

BEUOY'S NEW 1917 BOW CAPON BOOK fully explains and illustrates exactly how it is done. A translated chapter from the FRENCH language tells how the FRENCH PEOPLE DO IT. Many other new capon facts you should know. One farmer made \$1130.60 on capons this season. The Book tells how. You can do it too. A regular 50c copy in order to get it on the market quickly for half price including a coupon for that amount good on purchase price of the best capon tools. Send 25 cents and get the book prepaid by return mail. Address
GEORGE BEUOY, R. R. No. 17, CEDAR VALE, KANSAS

YOUNG'S STRAIN S. C. W. LEGHORNS
Triumph Over All Comers!
(FROM THE PACIFIC TO THE ATLANTIC)



At Madison Square Garden, December 29th, 1916, to January 3rd, 1917, the Great Sweepstake Show of America, in the heaviest competition ever brought together, and the largest and best class ever shown at the Garden, my winnings were as follows:—
COCKS, 1st, 2nd, 3rd, 4th and 5th prizes;
HENS, 1st, 4th and 5th prizes;
COCKERELS, 2nd, 3rd and 4th prizes;
PULLETS, 1st prize;
PENS, 1st and 2nd prizes.

Special for Best Display, Special for Best Cock, Special for Best Hen, Special for Best Pen, and the Grand Solid Silver Sweepstake, Special for the Best Bird in the largest class of the show. Remember every bird that won a prize at the Garden this year was from my strain.

Eggs for Hatching from 65 of the best pens in America
Why not come to Headquarters and get the best.
Mating list free on request.

D. W. Young, Box E-13, Monroe, New York

PARTRIDGE ROCKS **AMERICA'S PROVEN CHAMPIONS** **BRONZE TURKEYS**
Stock and Eggs for sale. Catalogue giving price of stock and eggs and full details of our GREAT MADISON SQUARE GARDEN PRIZE RECORDS—
BIRD BROS., Box 14, MYERSDALE, PA.

WILL NOT DOUBLE-MATE RHODE ISLAND REDS

By Harold Tompkins and Editor of A.P.W.
(Continued from page 305)

sary." Following this statement, Mr. Tompkins concludes his article with these words: "I trust, however, that the time will not come during my active days as a fancier."

This action or condition that you dread, Mr. Tompkins, CAN HAPPEN and really it is quite likely to happen unless you and other men who have closely at heart the best interests of the Rhode Island Red breed will take the necessary steps from time to time to prevent it. As a matter of course, this can be done, probably to best advantage, through your large and influential specialty club, the Rhode Island Red Club of America. Whether or not the Rhode Island Red Breeders' Club of the World is still active in its work, we do not know. However, that is not the question here to be touched on or discussed.

Editor of A. P. W. in time past has repeatedly warned our Standard-makers, also the officers and active members of specialty clubs, likewise numerous other admirers and advocates of standard-bred fowl, especially chickens, TO OPPOSE the adoption of standard requirements that would make it necessary to double-mate in order to win the much coveted ribbons at fall fairs or winter poultry shows as per the Standard of Perfection, as applied by judges who respect its descriptions and rules for judging.

Certain it is that the "general purpose" Rhode Island Red breed—a breed that is second to none, as combining prolific egg yield with excellent table qualities, should be protected against double-mating. Mr. Tompkins is correct in this case and it is to be hoped that he will have the support of an overwhelming majority of other "Red" breeders of both combs, the Single and the Rose.

During the past ten to fifteen years the Rhode Island Reds have made truly great strides in the direction of dividing national honors as the farmer's favorite fowl. During the past five years, especially in the east, they have threatened the long-time prestige of Barred Plymouth Rocks as the most popular general purpose fowl on American farms, meaning a fowl that lays well the year round, if properly cared for; also a fowl that is large enough for roasting and baking, that meets the popular demand in color

of skin and that makes good broilers and fryers.

For faddists of the "Reds" to interrupt this forward march into high popularity by enforcing double-mating in order to win prizes at county, district or state fairs, or at winter poultry shows, would be a fatal mistake from a business point of view, and according to Harold Tompkins, it is wholly unnecessary, so far as producing truly beautiful specimens is concerned. We are as emphatic as he about this matter and sincerely hope that the danger he mentions, may never exist or become active.

American Poultry World thanks Mr. Tompkins for this article and invites other friends and champions of America's latest great addition to the domestic fowl races of the civilized world to express their views on this important subject, in case they feel that they have a message that will interest our readers and help add to the well-deserved and rapidly growing popularity of the Rhode Island Reds, both varieties.

Pittsfield Day-Old Chicks

Pure-Bred Utility Chicks at low prices because of enormous production—1,000,000 a year. Write for catalog and prices.

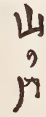
Pittsfield Poultry Farms 276 Main St., Holliston, Mass



Double development or money back

guaranteed during the first 6 weeks of a chick's life, when Purina Chicken Chowder is fed with Purina Chick Feed, as directed.

In checkerboard bags—ask your dealer. Write for Free Poultry Book. RALSTON PURINA CO. 817 Gratiot St., St. Louis, Mo.



BLACK MINORCAS BARRED ROCKS

35% cut in Price of Hatching Eggs. We have mated over 100 females, nearly all yearling hens—with strong, large, typical cockerels from our exhibition pens. **Foundation Stock Matings**, \$1.30 per 15 eggs; \$6.50 per 100 eggs. **Fancy Exhibition Stock Matings**, \$3.25 and \$6.50 per 15. A few choice exhibition breeding birds to spare. We have separate folders for our Rocks and Minorcas. In them you will find the points you wish to know about. They are free for the asking.

YAMA FARMS, NAPANOCH, N. Y.

D. M. Green's "Royal" Red Sussex

Win 1-3 hen Grand Central Palace, 1915 (two entries), 1 hen, 1-2 pullets, 1916 (three entries), 1-2 hen, 2 cockerel; 3 pullet, Madison Square Garden (five entries), 1 pullet, 4 cockerel, Boston (two entries), 1917. If you want quality I have it. Eggs \$5.00 per 15. Egg booklet free. D. M. GREEN, Box 35, CHERRY VALLEY, N. Y.

Baby Chicks

From a heavy laying strain of S. C. W. Leghorns. Bred for size, vigor and heavy egg production, which have a record-breaking record for winter laying.

Average from these pens have laid 45% since Dec. 1 to Feb. 16. Eggs and chicks from these pens at the following prices: Eggs \$8.00 per 100, \$4.50 per 50, \$70.00 per 1000. Baby chicks \$15.00 per 100, \$8.00 per 50, \$125.00 per 1000. Safe arrival guaranteed.

Prizes taken wherever shown. Send for catalogue. LOCUST CORNER POULTRY FARM Archer W. Davis, Prop. MOUNT SINAI, L. I., N. Y.

Single Comb White Leghorns

EXCLUSIVELY

YOUNG AND BARRON STRAINS

Three thousand breeders on free farm range, milk fed, inoculated and free from lice. Specially bred for winter eggs. Eggs for hatching \$6 per 100 or \$5 per 100 in lots of 200 or more. Orders filled on a day's notice. Baby chicks \$10.00 per 100. Capacity 10,000 a week. My book, "Profits in Poultry Keeping Solved", price \$1.00; or given free with all \$10.00 orders. Circulars Free.

EDGAR BRIGGS, Box 67, PLEASANT VALLEY, N. Y.

Kurzrock's White Cochin Bantams Win



Madison Square Garden, January 1917, 4 entries, 1-2 cocks; 1 cockerel; 1 pen; Best ornamental cock and pen in show. Greater Buffalo Show, December 1916, 4 entries, won 1-2-3 cocks; 1 cockerel; special best bantam in the show. Rochester, January 8-13, won 1-2-3 cocks; 1-2-3 hens; 1-2-3 cockerels; 1-2-3 pullets; 1 old pen; 1 young pen; cup for the best Bantam in show; cup for best display; all cash specials. Rochester, February 1-7, won 1-2-3-4-5 cocks; 1-2-3-4-6 hens; 1-2-3-4-5 cockerels; 3-4-5-6 pullets. 1-2 old pens; 1-2-3 young pens; cup for best display, \$25.00 sweepstakes. Grand lot of birds for sale. Eggs \$4 per setting.

J. & M. KURZROCK, 251 Gregory St., ROCHESTER, N. Y.

Keeler's White Wyandottes

The persistent winners at America's best shows for the past 21 years. Latest victory CHICAGO, 1916, in class of 194 birds: 5 firsts, 3 seconds, 2 thirds, 3 fourths, 2 fifths, 7 specials.

EGGS HALF PRICE

Eggs are remarkably fertile this season and on April 15th I have something like 2,000 chicks of my World's Greatest Strain. So on and after MAY 10th eggs will be sold at HALF PRICE. From \$15.00 pens, now \$7.50 per 15, \$14.00 per 30; from \$10 pens, now \$5.00 per 15, \$9.00 per 30, \$14.00 per 50; from \$5.00 pens, now \$3.00 per 15, \$5.50 per 30, \$10.00 per 60, \$15.00 per 100. Order direct from this ad and save yourself time. Look up my former ads in this paper. My catalogue is free and describes the matings these eggs come from. Send for your copy TODAY.

Chas. V. Keeler, R. F. D. 17, Winamac, Ind.



1st Cock, Chicago, 1916

\$8.55 World's Champion Buys Belle City Incubator

140 Egg Size Prize Winning Model—Hot-water—Double-walled—Copper Tank—Thermometer Holder—Deep Nursery—Self-regulating. When ordered with \$4.85 Hot-water 140 chick Brooder, both cost only \$12.50.

Freight Prepaid East of Rockies Satisfaction Guaranteed

Over 524,000 Satisfied Users Save time—Order Now—Share in my \$1,000 Cash Prizes Conditions easy to get biggest Prize—Free Book "Hatching Facts" tells all—Gives short cuts to Poultry Success—Write for it today. Jim Rohan, Pres.



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

INCUBATING A MILLION EGGS

By John H. Robinson, Special Contributor
(Continued from page 370)

occasion to keep remnants of hatches or brood special lots. Originally there were two long brooder houses with pens for many coal-burning colony hovers but only one of these is now in use, the other having been converted into a house for exhibition breeding stock.

The chicks in the brooder house consisted of results of the early trial hatches of eggs from the branch farms, and of the culls from various hatches—chicks which when taken from the incubator did not look good enough to ship. If I tell the simple truth about the appearance of these chicks, probably many readers will think that it is not to be taken literally. But, I'll tell it anyway.

About twenty-five per cent. of these cull chicks were growing well—good, sturdy chicks, well grown for their age. Another twenty-five per cent. was thrifty but rather under-sized. The remainder were poor chicks, but only a very small per cent. of them rank runts. What were the runts there for? Well, those cull chickens, rank runts and all, were illustrating very well what good care and correct brooding can do with poor chickens. Especially they were showing certain requisites in brooding that people sometimes lose sight of when extra good chicks manage to live through adverse brooding conditions.

These chicks were not crowded in the brooders. They had deep sand floors, thoroughly warm under the hovers. The house was carefully ventilated to suit the weather. From the time they were a week old they were allowed to run out, though the ground outside might be cold and wet, but they could always get "warm as toast" under the hover in a minute. The ventilation at this season looks especially to slow circulation of air in the house. When warm weather comes there will be very free circulation of air in the same house. It is a matter of intelligent regulation by the attendant, and certainly the man in charge of this brooder house had every reason to be proud of the condition of the chicks in it.

Thus far I have been writing of the chicks in the brooder house, started in it as weaklings. The best of these were as good chicks of their age as you generally see at this season when the chicks were fully vigorous at the start. They looked

first class until you came to the pens of chicks from the trial hatches of eggs from branch farms, and saw in them the chicks that were thoroughly vigorous at the start. These were as husky chicks as I have ever seen. Taken altogether, with both strong and weak chicks started in this house, the brooding conditions being the same for all, it gave an object lesson which I wish a lot of people who are mismanaging their brooders and blaming the resultant troubles on everything except that mismanagement, could see.

The stock grown on the farm to replace the breeding stock and for exhibition purposes each year is mostly reared with hens and about half of it is hatched. The natural method of brooding works best when chicks can be distributed over a large farm, as they can here. In the Pittsfield literature customers are advised to brood with hens whenever that is practical. No doubt many purchasers of small lots of chicks would

J. W. ANDREWS

White Wyandotte eggs ½ price after May 20.
Catalog free.

Dighton, Box W. Mass.

IDEALIZE YOUR FLOCK

Wellcome's Famous 'Ideal' Trap Nest

shows which hen laid the egg, highest efficiency, least attention, lowest net cost. Write now for prices and proof.

F. C. Wellcome, Box W, Yarmouth, Maine

LONGFIELD R. C. REDS

Write for Mating List of the
GREATEST CHICAGO WINNERS
giving reduction in prices of eggs for the end of the season.

Longfield Poultry Farm, Box 339,
Bluffton, Ind.

Sanborn Buff Wyandottes --- Garden Winners

At Madison Garden, Jan., 1917, my Egg Record Strain, on 5 entries, won: 1st cock, 1st cock-ereel, 1st pen, 3rd hen, 3rd pullet. At the Storrs Egg Laying Contest my hens have laid up to 246 eggs, and last year's average there was 175 eggs. You need eggs from a strain that has won big honors at both the Garden Show and the Storrs' Contest, and at fair prices.

Dr. N. W. Sanborn, 424 South Road, Holden, Mass.

CEDAR HILL POULTRY FARM

ANCONAS AND SILVER CAMPINES

REIGN SUPREME — 20 Blue Ribbons, 4 Silver Cups, 4 BEST DISPLAYS Won at Memphis, the Madison Square Garden Show of the South, Nashville and Chattanooga. QUALITY EGGS and BABY CHICKS now ready. Mating list on request. SATISFIED CUSTOMERS from OCEAN to OCEAN.

H. A. SCOTT, Proprietor, Ancona Plant,
Cumerland City, Tenn.

J. PENCE, Manager, Campine Plant,
1019 Laurel Ave. Bowling Green, Ky.



230 Eggs Per Year

is the record of one of my S. C. Buff Leghorns at Storrs, Conn. Contest under official supervision. Five of my Buffs in official contests averaged 214 eggs in 11 months. 40% of my birds in Missouri Contest laid over 200 eggs, and have again outlaid all Leghorns for cold month of January. Private records up to 267-274. Proven outside my own hands—surely.

THREE TIMES CHAMPIONSHIP

this season at Chicago Coliseum, Detroit National Club Meet, and State A. P. A. Show, Battle Creek, proves our show quality.

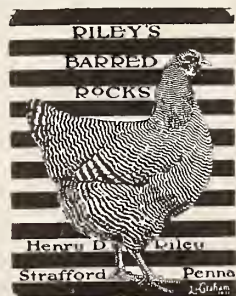
Bred for Eggs, but Fit to Show.

Baby Chix-Eggs-Stock L. E. Heasley, Box PW, Holland, Mich.

Lisk's White Wyandottes

Eggs from both exhibition and utility matings at reduced prices after May 15th. Lisk's White Wyandottes are great layers as well as winners. They win for myself and customers at some of the best shows in America. They also mature early, they often start laying at 5½ months old. One customer reports 64 eggs in 43 days from 2 pullets in January and February. Buy eggs that will hatch and produce winners as well as layers.

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



RILEY'S BARRED ROCKS

The Strain that has actually produced more winning Exhibition Birds for customers at the largest shows than any other strain in the country.

HOT AIR

will positively not produce winners, unless backed up by facts, which seem to be sadly lacking in the claims of some advertisers.

Madison Square Garden, Chicago and Palace winners actually have been hatched from my eggs by my customers, a claim that I believe no other breeder can honestly make. There is a reason for this.

I Sell My Very Best Eggs

and there is not a bird or a pen on my farm from which you cannot buy eggs, and every pen I own is listed in my mating list. Send for one at once and be convinced that you can really hatch a winner.

Buy where you know what you get and where you are sure you can get it.

Henry D. Riley, Box H, Chester Co., Strafford, Pa.

Whenever you see the "Bars"
Think of Riley's Rocks—
Barred of course.

PILLING *Easy to use*

CAPON
10 lbs.

ROOSTER
5 lbs.

CAPON TOOLS

MORE THAN DOUBLE YOUR COCKEREL PROFITS

Capon grow twice as large on the same amount of feed and bring twice the price per pound.

Complete set of reliable, practical, easy-to-use Capon Tools — full, illustrated instructions included. Parcel Post prepaid.

G. P. PILLING & SON CO., Phila., Pa.
Send for FREE Capon Book



CHICKS AND EGGS AT REDUCED PRICES

After May 1 we sell eggs and day-old chicks at reduced prices. May hatched chicks will lay in October or November, the June hatched in December and they will make just as good winter layers as earlier hatched chicks.

We can furnish chicks from 200 to 230-egg-stock early in May—25 chicks, \$5.50; 50 for \$10.50; 100 for \$20.00; 1,000 for \$175.00. From 230 to 264-egg stock, 25 chicks, \$8.50; 50 for \$16.00; 100 for \$30.00; 1,000 for \$250.00. We have all the orders for utility chicks that we can fill early in May, but can furnish any number the later part of May or early in June at 25 for \$3.50; 50 for \$6.50; 100 for \$12.00; 1,000 for \$100.00. Safe arrival guaranteed. We can also fill a few more orders during April. See catalog for April prices.

We can fill all egg orders promptly, and we guarantee fertility and safe arrival. 230 to 264-egg stock, 15 eggs, April, \$5.00, May, \$3.50; 100 eggs, April, \$25.00, May, \$15.00; 1,000 eggs, April, \$200.00, May, \$125.00. 200 to 230-egg stock, 15 eggs, April, \$2.75, May, \$2.00; 100 eggs, April, \$15.00, May, \$10.00; 1,000 eggs, April, \$125.00, May, \$90.00. Utility matings, 15 eggs, April, \$1.50, May, \$1.25; 100 eggs April, \$7.50, May, \$6.00; 1,000 eggs, April, \$70.00, May, \$50.00.

Eight Weeks Old Pullets

One of the most satisfactory ways to start with **FERRIS LEGHORNS** is to buy a pen of 8-weeks-old chicks. At this age the pullets weigh about $\frac{1}{4}$ lb. and the cockerels about one pound. The pullets can easily be distinguished from the cockerels and the trouble and loss that sometimes occurs in hatching and raising chicks is avoided, for at this age the birds are ready to go on the roosts, no longer require such close attention and are practically out of danger if given proper feed, a good coop and reasonably good care. We guarantee safe arrival anywhere. We can ship any time you want them after May 20th.

From 230 to 264-egg stock, 10 pullets and 1 cockerel, \$30.00; 100 pullets, \$200.00. From 200 to 230-egg stock, 10 pullets and cockerel, \$20.00; 100 pullets, \$150.00. From good stock without records, 10 pullets and cockerel, \$13.00; 100 pullets, \$100.00.

THIS FREE CATALOG

tells all about Ferris White Leghorns and how we breed them for egg production; describes the eggs, chicks and 8-weeks-old stock priced above, and the liberal guarantee under which we sell them. Write for it—a post card will do—and let us show you why you should breed Ferris trap-nested laying stock.



GEORGE B. FERRIS

FERRIS LEGHORN FARM

908 Union, Grand Rapids, Mich.

do better to brood with hens, but most of those who buy upwards of fifty must use artificial methods, and for most of them the problem is to determine how much to leave to the brooder, and how much to do themselves. Such problems, each must work out alone. The safe way is to begin without placing too much confidence in the brooder, and relax your attention as you learn just how far the brooder can be trusted. I had not intended this digression, but really I do not feel called on to apologize for it, for those who spend good money for good chicks need to do their utmost to get the results they should get with them.

I could say much more of the methods pursued with eggs and chicks, and much of the breeding stock. I have tried, in the limits of this article to give readers a faint impression of the things that go with the incubating of a million eggs, that are of most vital importance to those who buy day-old chicks, whether at this farm or elsewhere. Every buyer of day-old chicks, should if possible, visit the establishment where they are hatched. At Pittsfield Farm, visitors are always welcome. At the office they are furnished a guide who will escort them all over the farm and cheerfully give them information about its stock and operations. Beyond the farm they will find that this great plant is having a marked influence upon the industrial life of the community. While it ships chickens all over the country east of the Rocky Mountains, about thirty to forty per cent. of its shipments are to customers in southern New England. It may still be true that prophets are least highly esteemed in their own communities, but in these days one of the best recommendations a big business can have is a liberal patronage from the people who are in its immediate territory. According to this standard Pittsfield Farms deserve the confidence of buyers everywhere.

THE NATIONAL R. C. ORPINGTON CLUB BOOK

The third annual year book of the National R. C. Orpington Club book has reached us and it is a credit to the club and its officers. H. C. Faulkner is president and E. M. Mengel, Auburn, Pa., secretary-treasurer. A number of states are represented by state secretaries.

Each member of the club is earnestly requested to secure before the close of this year at least one new member and, of course, as many more as possible. If the club can double its membership, it can double its worth to its members. The different varieties of Orpingtons are well represented by special clubs and it now remains for the members of those clubs to get busy, increase the membership and in every other way, aid and abet the efforts of the active officers to increase the influence of the club. Thus indirectly they will be benefiting themselves. The secretary, Mr. E. M. Mengel, Auburn, Pa., will be pleased to furnish any desired information upon request.

THE NATIONAL S. C. BUFF ORPINGTON CLUB

Judging from the 1917 club books being issued by the various specialty clubs those in charge are awake to the opportunities of the present time. There is no doubt that specialty clubs can do a wonderful work in popularizing the varieties they represent, and never before in the history of standard-bred poultry industry has a greater need existed and seldom, if ever, a greater opportunity.

Mr. A. E. Martz is president and A. C. Andrews, Miller, Nebr., secretary-treasurer. We urge all breeders of Buff Orpingtons to join the club. The annual dues are very small and members receive a copy of the year book free. Mr. Andrews will be pleased to furnish information on request.

Rose Comb Reds

BEST EGGS

\$5 per setting

Eight years winners at Buffalo

C. E. Riley, 925 Edwy., Buffalo, N. Y.

"Riddell's Buff Wyandottes"

America's leading strain for over twenty years. Stock and Eggs for sale that are sure to please. Andrew Riddell, Route 6, Greenwich, N. Y.

Black-Tailed Japanese Bantam Baby Chicks

Blue Ribbon winner at Madison Square Garden and Bergen County Poultry Show.

60 cents each or \$6.00 per dozen
Setting eggs \$3.00 per dozen

K. F. Puppa

32 Catalpa Ave., Hackensack, N. J.

EGGS FROM WINNERS

Fernbrook White Wyandottes

will start you right. Our new catalog and price list gives full particulars regarding this quality strain.

FERNBROOK FARM

ARTHUR G. BOUCK, Mgr.

102 Menands Rd. ALBANY, N. Y.

Chick Dying--Overcome

The "OCULUM" CO., Salem, Va., Box Q, are giving FREE an ILLUSTRATED BOOKLET which tells how to cure W. Diarrhea over night and how to raise nearly every chick with "OCULUM". Experts call it "A Miracle Worker," "Liquid Gold", etc.

Booklet and TRIAL BOTTLE ENOUGH to SAVE 100 CHICKS—10c.

I divided 32 chicks, raised half with "OCULUM." LOST NONE, and the other half without "OCULUM" lost all but two with W. Diarrhea.

H. S. WETZLER,

Mgr. Successful P. Journal, Chicago.

"OCULUM" USERS GET MANY EGGS

I fed "OCULUM" to 38 pullets; got from 20 to 24 eggs a day all winter during weather from zero to 30 below.

MRS. J. F. ANDREASS,
Southern Cross, Mont.

"OCULUM" made my pullets lay at 4 1/2 months. Here is check for 2 gallons.

C. E. CORNELL, Tacoma, Wash.

Bottles, 50c, \$1; P. \$2; Q. \$4; G. \$10; delivered. Money back by dealers, if not satisfactory. Ask this Journal about us.

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KEY-
RING-O



LEG BANDS

SIMPLE, SCIENTIFIC and absolutely SATISFACTORY. Used by the U. S. Government, by practically every Agricultural College, and by leading Poultry Raisers everywhere.

Made in Ten Colors—Six Sizes

Black, White, Dark Blue, Pink, Light Blue, Red, Yellow, Green, Purple and Garnet.

No. 1, Pigeon, and No. 3, Day-old Chick, 12 for 10c, 25 for 20c, 50 for 35c, 100 for 50c, 250 for \$1.10; No. 2, Medium, for Mediterranean Breeds; No. 4, Large, for American Breeds; No. 5, Bantam; and No. 6, Extra large, Asiatic Breeds, 12 for 15c, 25 for 30c, 50 for 50c, 100 for 75c. Special price on larger quantity.

Special Sample Offer

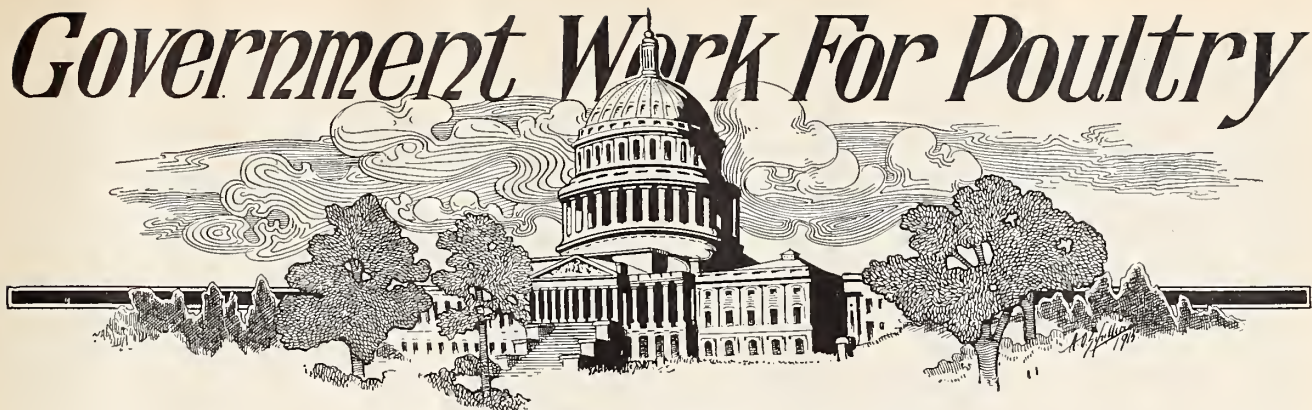
Send 14c and we will immediately mail you 15 Bands. State size and color wanted.

NEWELL & GORDINIER

Makers,

Troy, N. Y.

Government Work For Poultry



Conducted by HOMER W. JACKSON, Special Contributor

A CHICK-FEEDING EXPERIMENT The Comparative Value of Buttermilk, Meat Scrap and Fish Scrap When Fed to Young Chicks

A recent issue of the Journal of the American Association of Instructors and Investigators in Poultry Husbandry contains an interesting article by Professor A. G. Phillips of Purdue University (Indiana), giving data secured in an experiment, the purpose of which was to determine the comparative value of buttermilk, meat scrap and fish scrap when fed to young chicks. The following extracts are from this article:

Five compartments of a one hundred feet pipe-heated Candee brooder house were used to keep five pens of fifty each of White Leghorn chicks. The rations of the pens were as follows:

The ration fed to Pen No. 1 was the basal ration for all the pens and consisted of
6 pounds, sifted cracked corn
4 " ground wheat
4 " steel cut oats
2 " bran
2 " shorts

For Pen No. 2, 2½ pounds of meat scrap were added to the ration as supplied to No. 1. For Pen No. 3, 31 pounds of buttermilk were used in place of scrap. In Pen No. 4, fish scrap was substituted for meat scrap and in Pen No. 5, 1.2 pounds of meat scrap and 15 pounds of buttermilk were supplied. The experiment ran six weeks. During this time in pens 2-3-4-5, the number of pounds of protein was exactly the same and the nutritive ratio was about 1:4.1.

Pen No. 1 lacked in animal protein and was called the check pen. In this pen the nutritive ratio was 1:7.3. This pen was used to check each of the other pens in order to find the real and true value of each of these sources of animal protein.

In Pen No. 1, or the check pen, each chick consumed 1.6 pounds of feed at a cost of \$.0165. Pen No. 2 consumed 1.64 pounds of feed at a cost of \$.0243. Pen No. 3 consumed 1.58 pounds of grain and 3.26 pounds of milk at a cost of \$.0308. Pen No. 4 consumed 1.49 pounds of feed at a cost of \$.0236. Pen No. 5 consumed 1.63 pounds of grain and 2.4 pounds of milk, at a cost of \$.0299.

This made Pens 3 and 5, which were receiving milk, the most expensive ones to feed per chick, but the consumption was also greater in these pens. The check pen consumed little food.

The gains in pens 2-3-4-5 regularly increased each week. Pens 3 and 5, receiving milk, made more rapid gains during the earlier period, but the others tended to catch up with them in the last two weeks. Pen No. 1 made very little gain, and in one period actually lost weight.

The ration containing meat scrap was very palatable. The buttermilk was also very much liked, but the fish scrap was unpalatable. The mash that did not contain meat scrap was not as palatable, and in the check pen the chicks were never satisfied. They were constantly hunting for something and spent much time running up and down the pens, interested in the rations of the surrounding chicks. The buttermilk was fed in a drinking vessel, thus leaving all the mash dry. The buttermilk seemed to keep the chicks satisfied, although they were compelled to eat a dry mash containing no meat scrap.

As to the question of mortality, we found in Pen No. 1, six dead; Pen 2, one dead; Pen 3, none dead; Pen 4, three dead; Pen 5, two dead.

At the close of the third week, five chicks in the fish scrap pen and four in the meat scrap pen broke down in their legs and walked on the legs from the foot to the hock. Beginning the fourth week, the chicks were allowed to run in an alfalfa patch, 4 by 15 feet, and it was noticed that all these broken down birds came up in five days. No chicks broke down in the pens receiving milk and

it was also noticed that the mortality was much less where milk was fed.

These figures indicate buttermilk to be the best source of animal protein during the first six weeks of a Leghorn chick's life, as shown by apparent health, vigor, mortality and gains in weight.

This experiment bears out the results secured in similar tests elsewhere. It is clear that any who have a supply of buttermilk at hand can hardly afford to omit supplying it to the young chicks. Other experiments elsewhere indicate that skim milk, either sweet or sour, is equally as good as buttermilk for this purpose.

TREATMENT FOR WORMS IN POULTRY

Worms in Fowls Cause Heavy Losses
and This New and Inexpensive
Remedy is Worth Trying

The following from the Missouri State Poultry Experiment Station Bulletin No. 12 in regard to the use of Oil of American Wormseed, or Jerusalem Oak, is of decided interest. Losses in the poultry yards, due to worms, are much greater than are generally realized.

Eggs that Hatch--Baby Chicks that Live



Why fool away time and money at this season of the year on Eggs and Baby Chicks that lack fertility and vitality.

U. R. Fishel's White Plymouth Rocks

produce eggs that hatch chicks that live and mature into birds of value. Farm reared and bred in line for nearly thirty years.

Winners at Six World's Fair Expositions and Twelve State Fair Expositions as well as the Great Chicago Coliseum, Cincinnati, Indianapolis, etc., is a record unequalled.


Eggs for Hatching and Baby Chicks Prices Reduced

during May and June. You can't afford to miss taking advantage of these prices.

Send for 1917 Catalogue. It is FREE.

Don't buy please until you see my catalogue. Headquarters for White Plymouth Rocks.

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**BOOK ON
DOG DISEASES
And How to Feed**

Mailed free to any address by
the Author

H. CLAY GLOVER CO., Inc.
118 West 31st Street, New York

America's
Pioneer
Dog Remedies

The oil of American Wormseed, known most familiarly as Jerusalem Oak, is extracted from the plant and its seeds. Inasmuch as this plant, the Jerusalem Oak, contains the invaluable oil, it may be recommended most highly as a "green" food for poultry. Jerusalem Oak, or Wormseed, is one of the medicinal weeds or drug plants that grows practically wild in every section of this state, and is one that we do not need to cultivate for we meet it at every turn in the road.

Of the strictly parasitic forms of life that affect poultry, worms undoubtedly play the leading role. The question of worms in poultry is of far greater importance than the average poultryman is apt to believe. Numerous instances of fowls "going light," of cholera, of diarrhea, or weak, immature, undeveloped fowls, due supposedly to poor vigor and vitality of the breeding stock, have been traced to the presence of worms within the fowl's body (intestines).

The droppings of fowls infested with worms may contain the worms themselves or the eggs of the worms. Thus it is that the worms or their eggs are transmitted from one fowl to another, or through the whole flock. Other fowls picking at the droppings of these infested fowls pick up either or both the worms and the worm eggs, and when these are infested, immediate development takes place. In one instance, as many as 200 eggs were counted within a female worm. The value of disinfecting yardways and runs where infested fowls range, therefore, cannot be over emphasized.

For the treatment of worms in fowls, the use of either the plant or the oil derived from the plant, is recommended. During the growing season, the Jerusalem Oak may be gathered and fed in a moistened mash by simply cutting the plant into small pieces and then mixing about half and half with the mash.

On several occasions, the Jerusalem Oak plant itself has been placed in the yards for fowls that were kept in confinement, and from the manner in which the fowls stripped the stems of their leaves, it was apparent that they relished their treat.

Where the oil is used, measure one-half the quantity of mash that the fowls will clean up at one time, moisten with water then add one teaspoonful of oil of American wormseed (Jerusalem Oak) for every twelve fowls, mix thoroughly. Starve the fowls twelve hours before feeding. We recommend feeding a light ration the night before and then the next morning, feed the mash.

Mix the mash just before feeding time, not the night before. On the evening of the day the medicated mash is given, give the flock a dose of Epsom salts. This may be given conveniently in a mash. Dissolve six teaspoonfuls of Epsom salts for every twelve fowls in just enough water to moisten the mash. The amount of mash to measure out varies according to the breed of fowl. It is essential that the fowls have before them plenty of clean, fresh water at all times. In cases where the disease is very prevalent, one-fifth ounce (three drams) of salicylate of soda should be added to the drinking water. The treatment as outlined above is for adult stock, proportionately less for younger stock.

Oil of Wormseed is an active poison, and while there does not appear to be any danger from the use of the plant itself, the oil will kill fowls when given in excessive doses. For example, Bulletin No. 12 states that 7½ to 15 drops will

produce death in the case of a White Leghorn pullet.

Where general infection exists in the flock, it sometimes is necessary to disinfect buildings and yards in addition to treating the fowls, in order to exterminate the disease. In many instances it is only possible to do this by entirely abandoning the use of buildings and yards by poultry for a year or so. Where this cannot readily be done, Bulletin No. 12 recommends plowing the land and harrowing repeatedly. Slaked lime is recommended and in extreme cases, it is advised to spray the ground thoroughly with a one per cent. solution of sulphuric acid.

Burn all infected birds that die. It also is advisable, when treating the fowls, to remove all litter from the floor so that the droppings can be scraped up and burned, thus destroying the eggs which are present in countless numbers in cases of general infection.

CUT YOU—BURN YOU OINTMENT

The best salve for cuts, burns, chapped and sore hands. If your Druggist can not supply you, send 25 cts. to Keleher Mfg. & Sales Co., 56 Robin St., Rochester, N. Y.

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Winners at leading shows. Write for prices. STOCK and EGGS W. A. HENDRICKSON, Houston Ave., Mattapan, Milton, Mass

PALMER'S WHITE ROCKS

Eggs from our exhibition stock at half price—\$5 per 15, after May 6th. Place your order at once. You may get a bird worth many times the price paid. Utility Baby Chicks. Illustrated booklet.

Bank Reference: Genesee Valley Trust Co., Rochester, N. Y.

"THE GLEN" POULTRY FARM, BOX 3, FAIRPORT, N. Y.

MCCANN'S S. C. REDS

WINNERS AT NEW ENGLAND'S LEADING SHOWS

EGGS for HATCHING a specialty. Fertility guaranteed. Four nicely mated pens. Pen 1, \$7.00 per 15; Pens 2, 3, and 4, \$5.00 per 15. After May 1st, \$5.00 and \$3.00 per 15. Address—

REV. C. T. McCANN, MANCHESTER, CONN.

ESSEX RED STRAIN, ROSE COMB RHODE ISLAND REDS

Our stock is bred from three of the strongest blood lines in America and has blood of the great "Bill Taft" and the mighty "Sensation". This positively gives us one of the best strains in the world. Have been winners wherever shown and stand today stronger than ever. Eggs for hatching and stock for sale.—SATISFACTION GUARANTEED.

OLD ACRES POULTRY FARM, Box 133, ESSEX FELLS, NEW JERSEY

BUFF ROCKS

FOUR FIRSTS AT CHICAGO 1917

The National Buff Rock Club Meet, the greatest class of Buff Rocks shown this year. Won National Cup for America's Best, Cup and Gold Medal for Best Display, First Cock, First Pullet, First Old Pen, First Young Pen, etc. First Prize winners at World's Fair, Madison Square Garden, New York, Palace. Get my mating list with complete winnings before you buy eggs. My matings are the best you can find.

C. R. BAKER, Box W, ABILENE, KANSAS

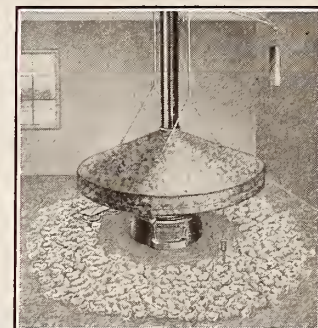
Cyphers Brooders Make Chick Raising Easy

IN this year of high prices, you cannot afford to take any chances. Get Cyphers Brooders and raise all the chicks. Cyphers Brooders and Hovers are cheap to buy, economical to operate, easy to run. There are few losses and the chicks grow fast in them.

Cyphers Portable Hovers for indoor use. Cyphers Adaptable Hovers for outdoor use. Cyphers Coal-Burning Colony Hovers for large flocks—300 to 1,000 chicks.



Portable Hover.



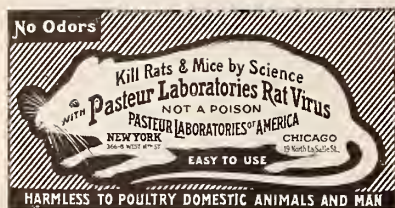
Coal-Burning Hovers, \$15 Up.

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CYPHERS INCUBATOR CO. Dept. 30 BUFFALO, N. Y.



New York, 368 West 11th St., Chicago, 17 North LaSalle St.

STATEMENT OF THE OWNERSHIP, MANAGEMENT, CIRCULATION, ETC., REQUIRED BY THE ACT OF CONGRESS OF AUGUST 24, 1912.

Of American Poultry World, published monthly at Buffalo, N. Y., for April 1st, 1917.

State of New York, } ss.:
County of Erie,

Before me, a Notary Public, in and for the state and county aforesaid, personally appeared G. M. Curtis, who, having been duly sworn according to law, deposes and says that he is the Business Manager of the American Poultry Publishing Company and that the following is, to the best of his knowledge and belief, a true statement of the ownership, management, etc., of the aforesaid publication for the date shown in the above caption, required by the Act of August 24, 1912, embodied in section 443, Postal Laws and Regulations, printed on the reverse of this form, to-wit:

1. That the names and addresses of the publisher, editor, managing editor, and business managers are:

Name of Postoffice Address
PUBLISHER
American Poultry Publishing Company
.....Buffalo, N. Y.

EDITOR
Grant M. Curtis Buffalo, N. Y.

MANAGING EDITOR
Grant M. Curtis Buffalo, N. Y.

BUSINESS MANAGER
Grant M. Curtis Buffalo, N. Y.

2. That the owners are:
Grant M. Curtis Buffalo, N. Y.
Cora M. Curtis Buffalo, N. Y.
Dow R. Gwinn Terre Haute, Ind.
Minnie C. Isler Buffalo, N. Y.
Arthur O. Schilling, Buffalo, N. Y.
Wm. C. Denny Buffalo, N. Y.
F. L. Sewell Niles, Mich.

3. That the known bondholders, mortgages, and other security holders owning or holding 1 per cent. or more of total amount of bonds, mortgages, or other securities, are:
None.

4. That the two paragraphs next above, giving the names of the owners, stockholders, and security holders, if any, contain not only the list of stockholders and security holders as they appear upon the books of this company, but also in cases where the stockholder or security holder appears upon the books of the company as trustee or in any other fiduciary relation, the name of the person or corporation for whom such trustee is acting, is given; also that the said two paragraphs contain statements and embracing affiant's full knowledge and belief as to the circumstances and conditions under which stockholders and security holders who do not appear upon the books of the company as trustees, hold stock and securities in a capacity other than that of a bona fide owner; and this affiant has no reason to believe that any other person, association, or corporation has any interest, direct or indirect, in the said stock, bonds, or other securities than as so stated by him.

(Signed) GRANT M. CURTIS,
Business Manager.

Sworn to and subscribed before me this 14th day of April, 1917.

(Signed) W. R. COWEN,
(SEAL) Notary Public.

(My commission expires March 31st, 1918.)

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Before you buy an inferior machine, write for FREE literature.

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Raise healthy, solid growing chicks, full of vital force to fight off chick diseases. For first three weeks feed them
Conkey's
Buttermilk STARTING FOOD
the complete food, and see them grow. Costs 1c per chick to raise heavy layers, good market birds. It's easy to raise chicks on Conkey's. Buy a Bag, \$1.00. Pkgs. 25c, 50c.
THE G. E. CONKEY CO.
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SINGLE COMB RHODE ISLAND REDS

The result of twenty years continuous breeding of this variety.

WRITE ME FOR PRICES ON STOCK AND EGGS.

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Baby Chicks---Hatching Eggs---Breeders

LIGHT AND DARK BRAHMS-R. I. REDS-WHITE WYANDOTTES-BARRED ROCKS
S. C. W. AND BROWN LEGHORNS

Show and utility. Catalogue FREE.

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ANDERSON'S ROSE COMB REDS

Winners of the Blue at Madison Square Garden and Other Leading Shows.

Eggs for Hatching, Also Breeding Stock.
Annesley M. Anderson,

Write at Once For Prices.

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WHITE PLYMOUTH ROCKS

Baby Chicks and Eggs for Hatching. Write for free list.

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X-L-N-C STRAIN BUFF WYANDOTTES

Bred strictly in line for 10 years. Consistent winners.

Exhibition and utility stock for sale.

W. S. CRANDALL,

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If, on the strength of the high prices which will rule the markets for some time to come, you contemplate **increasing** the Poultry Plant you already have, or if you are thinking of starting in the business, **NOW IS THE TIME TO ACT.**

We are prepared to offer attractive prices for a short time on **AMERICA'S MOST POPULAR COMMERCIAL BREEDS**, the White Leghorn and R. I. Red. Can ship in large quantities on short notice. You can not afford to pass up this opportunity to get baby chix **RIGHT**. It is an **investment** not a speculation.

EARLY MATURING STRAINS

Pullets from our chix hatched in May will mature as quickly as most other strains **HATCHED SIX WEEKS EARLIER**, as excerpts from the following testimonials fully attest.

My pullets (White Leghorns) started to lay when 5½ months old and are fine layers.

Yours, etc.,

J. C. Fowler, Pleasantville, N. J.

Raised 42 out of 50 chix purchased of you last season. Pullets started to lay when 5½ months old.

Yours truly,

C. H. Harris, Rochester, N. Y.

Our Chix Have 31 Years of Expert Breeding Back of Them, Along These Very Lines.

OUR BABY CHIX AND BABY DUX

Eggs for Hatching

Custom Hatching

R. and S. C. R. I. Reds, Rocks, White Wyandottes, White Leghorns and Anconas; Mammoth Pekin and White and Colored Indian Runner Dux, and White African Guineas.

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CIRCULARS FREE
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UTILITY BARRED PLYMOUTH ROCKS

Have you sent in your order yet? It's getting late. After May 15, eggs, \$1.00 per 15.
 Lincoln Poultry Farm Co. R. H. Yelland, Mgr
 Lincoln, Maine.

COLLINS OAT SPROUTER

Best low-priced, high-grade sprouter made.
 Three sizes, \$3, \$4, and \$8. See full description February issue or write for complete information
 W. H. Collins, 20 B Harrison, St. New York.

GET MORE EGGS
 Twice as many by feeding green cut bone.
MANN'S BONE CUTTER 10 Days Free Trial
 No money in advance. Cat'lg free.
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FASHION PLATE BUFF ROCKS STRAIN

Eggs from 5 Special Matings \$3 per 15, 8 chicks guaranteed. Utility eggs \$5 per 100.
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PRINCESS REDS - Both Combs

Eggs for Hatching from pens containing our Buffalo, Rochester, Utica, and New York State Fair winners, mated for results. \$5.00 per 15.
 Other good matings \$2.00 per 15.
 All stock sold except a few yearling hens at \$3.00 each. Write for mating list.

Satisfaction Guaranteed
RED-W-FARM WOLCOTT, N. Y.

130 Egg Incubator and Brooder Both for 10
 If Ordered Together, Freight paid east of Rockies. Hot water copper tanks, double walls, dead air space, double glass doors, all set up complete, or 180 Egg Incubator and Brooder \$12.75. FREE Catalogue describing them. Send for it TODAY or order direct. (2)
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MASON'S MOVABLE POULTRY YARDS

All Steel. Comes Complete--Fence, Posts, Gate--Everything ready to put in place. Easy to put up and take down. Any size wanted. **SOLD ON A SIXTY DAY'S FREE TRIAL.** The prettiest and most durable yard you can buy. Send for Catalog and Low, Direct Factory Prices.
MASON POULTRY FENCE CO., Box 44 LEESBURG, O.

Keeps Water at Even Temperature All Year 'Round

Absolutely sanitary. Water cannot be polluted. Prevents disease. Saves work. Increases egg yield. Ira Franklin, Mgr., Farmers Grain Co., Atkinson, Illinois, says: "The Ideal Sanitary Fountain is the best I ever used." Made like a fireless cooker, of heavy galvanized iron, strong and durable. See it at dealer's. Send for circular, testimonials of satisfied users, and low prices. Rockford Poultry Supply Co. Lock Box WE-201 Rockford, Ill.

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for over 30 years has been acknowledged the best scientific preparation in powder form for the
Quick, Safe and Certain
 extermination of Lice on Poultry. Simply dust it into the fluffy feathers and it does the work, without injury to hens, eggs or chicks. Sitters dusted with "Death to Lice" will sit contentedly. Sold by all Dealers and Druggists at \$1.00, 50 cents and 25 cents. Large trial sample and booklet, 10c.
The Klein-Lambert Co., 460 Traders Bld., Chicago

MARCH REPORT OF THE NATIONAL EGG LAYING CONTEST AT MOUNTAIN GROVE, MISSOURI

Again the poultry experiment station at Mountain Grove, is urging Missouri poultry keepers to "swat the rooster" and May 19th is to be "Chicken Day" in Missouri. It was clever of the powers that be, to select a Saturday because undoubtedly many families will enjoy a chicken dinner on Sunday, the 20th.

It will be noted that Director C. T. Patterson, in the March report of the egg contest, advises that valuable males be retained. It is only the common roosters or those that are not to be used next season for breeding, that should be disposed of May 19th. The object of course, is to secure infertile eggs for the summer market.

The following is quoted from Director Patterson's March report:

After placing a male bird in a pen where no male has been the eggs become fertile in two or three days, and after removing the male from the pen the eggs remain fertile for about twenty days.

Fertility is desirable in eggs for hatching, but undesirable in eggs for food. If a fertile egg is incubated for 12 hours the germ begins to develop, then if the egg is cooled and kept cool for three or more days, the germ dies and cannot be hatched and the dead germ is the center or beginning of decomposition. Thus it will be seen that fertile eggs, after the incubation season is over, have all to lose and nothing to gain. "Swat the Rooster" on May 19th and market infertile eggs during the summer, which will insure greater profits to both producer and dealer and gives the consumer better eggs.

Valuable males should be penned with a few females, but infertile eggs should be produced from the flock. Eggs during the summer should be kept in a cool place and marketed often.

6,040 eggs were produced during March by the 290 hens in the laying contest which is an average of 2.8 eggs per hen. A Missouri pen of S. C. White Leghorns (No. 53) won the cup for the month by laying 130 eggs. From the following list it will be noted that four different varieties of Plymouth Rocks were among the highest pens for March:

Pen	Eggs
53, S. C. W. Leghorns, Missouri.....	130
59, S. C. W. Leghorns, Missouri.....	130
5, Buff Rocks, Kansas (Tie).....	121
8, White Rocks, Idaho (Tie).....	121
11, Barred Rocks, Missouri (Tie).....	121
1, Missouri White Fluffs, Mo.....	120
6, Partridge Rocks, Ohio.....	118

The ten highest places to date are occupied by many breeds and varieties. They are as follows:

Pen	Eggs
35, White Wyandottes, Mo.....	509
19, R. C. R. I. Whites, N. J.....	493
52, S. C. White Leghorns, Mo.....	443
31, White Wyandottes, New York.....	440
27, Buff Orpingtons, Missouri.....	433
37, White Wyandottes, Missouri.....	432
23, White Orpingtons, Missouri.....	427
22, R. C. Reds, Missouri.....	423
28, S. C. Reds, Iowa.....	419
20, R. C. Reds, Missouri.....	413

Hens occupying the five highest places to date are as follows:

Hen	Pen	Eggs
4	35, White Wyandotte, Mo.....	126
2	29, Buff Orpington, Mo.....	120
3	11, Barred Rock, Mo.....	119
1	28, S. C. Red, Iowa (Tie).....	117
3	35, White Wyandotte, Mo. (Tie).....	117
3	19, R. C. R. I. White, N. J.....	116



IMPORTANT SPECIAL OFFER

From May 1st

The Million Egg Farm will sell its famous Rancocas S. C. White Leghorn

HATCHING EGGS

\$5 per hundred

100 per cent fertility guaranteed. All our own eggs. Every one from a famous Rancocas yearling hen, husky and vigorous, mated with cockerels full of vitality.

DAY-OLD CHICKS

12 to 15 cents each

Delivery guaranteed. Every chick hatched from our own eggs. This insures husky, vigorous stock. Get started right. It will pay you well in the end.

MILLION EGG FARM,

Box 104, Brown's Mills, N. J.

Lice and Mites are Profit Killers

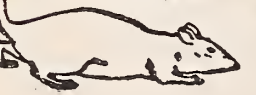
Lice and Mites live on the blood of Poultry, sap the vitality of hens, kill baby chicks and steal profit. Lousy hens won't eat properly, won't lay, won't thrive. Keep your poultry free from lice and mites. You can rid them of these pests, drive the profit thieves out of your chicken house and keep them out with



COAL TAR ZENOLEUM DISINFECTANT-DIP
 It helps egg production, cures chicken diseases, increases poultry profits. Spray Zenoleum freely and often in the homes of your birds. It's used and endorsed by 50 Agricultural Colleges. Cures and prevents many live-stock diseases. **Special Trial Offer.** We send parcels post prepaid, eight ounces for 25 cents, a quart for 50 cents, full gallon \$1.50. Use it as directed, absolutely at our risk. If it fails to meet severest test it doesn't cost you a penny. Must do all you want it to do or back comes your money; no argument, just money. **Zenoleum Lice Powder**—the most wonderful powder of all—big package 25 cents post paid. Free Book, "Cause, Symptoms and Treatment for All Poultry Diseases."
ZENNER DISINFECTANT CO.
 370 Lafayette Ave. Detroit, Mich.

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says the rat—and he does! He prefers it to all other food and it is the last he eats. **RAT SNAP** chemically mummifies the carcass. Prevents all odors. Does not dry up, soil, decay or blow away. Not mixed with other food. Ready for instant use. Surest, quickest, safest, cleanest, most convenient and sanitary method of exterminating rats and mice.
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NEBRASKA'S GREATEST POULTRY PLANT

We Refer to 1733 Ranch, Located Near Kearney, Just 1733 Miles West of Boston and Exactly 1733 Miles East of San Francisco. J. F. Swan is Poultry Manager and W. S. Stickle, Millionaire Lumberman, is Back of the Enterprise

OUT where the east leaves off and the west begins is 1733 Ranch—just halfway between Boston and San Francisco,—1733 miles from each.

"It is one of the biggest poultry establishments in the United States. Motorists driving along the famous Lincoln Highway either from the east or west stop to gaze at the place, with exclamations of wonder at its beauty of arrangement and its magnitude.

"Rather a fortunate location, you might say—right in the geographical center of the United States. Certainly 1733 Ranch can not be accused of showing partiality to its customers as regards location. It's in the favorable position of being able to say it's just as close to its western customers as it is to its eastern friends.

"Its broad rolling acres with its many groups of buildings scattered over different parts of the Ranch extend along the Lincoln Highway—the transcontinental automobile route—for miles. The Ranch is no small place, even judged by western ranches, for its broad expansion of land totals in all 5,200 acres.

"The stock-raising activities of 1733 Ranch are many, including poultry, cattle, swine, Airedale dogs, etc. Here they hold the record also for the production of larger quantities of alfalfa than any other like area in the world. And, incidentally, it might well be mentioned that an alfalfa growing section is a mighty fine place for breeding high quality, standard-bred fowls. It's a sure guarantee of health and vigor.

"There are hundreds of apple, cherry and plum trees on the ranch, producing thousands of bushels of fresh fruit each season. The entire ranch is under irrigation and capable of producing remarkable yields along all lines, season after season.

"The poultry department of 1733 Ranch occupies in all 400 acres of ground. This is divided off into their operating department and seven different farms where they are provided with the facilities for handling to best advantage one special breed. In these special farms only a limited number of each of the special breeds are raised, insuring the production of high class birds.

"The different breeds specialized in at 1733 Ranch are the Crystal White Orpingtons, which were secured in the purchase last season of the Kellerstrass poultry business by 1733 Ranch; the well-known Dr. Watson, Firestone strain of R. C. Reds, whose stock also was purchased by the Ranch to strengthen their already good Reds, and there also are some fine strains of S. C. Reds, Buff Orpingtons, Barred and White Rocks, White Leghorns and White Wyandottes.

Oat Sprouter \$2

For \$2.00 you can build the simplest, most efficient, easiest to operate and best oat-sprouter ever constructed. A boy can make one in an evening with no tools but saw and hammer. Thousands in successful operation. Plans with plain directions for building, 10c postpaid.

I. PUTNAM, Route 501 ELMIRA, N. Y.



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Manufacturers constantly writing us for patents. List of inventions actually requested and book "How to Obtain a Patent" sent free. Send rough sketch for free report regarding patentability. Special assistance given our clients in selling patents. Write for details of interest to every inventor.

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Est. 21 Years 1106 F St., Washington, D. C.

"You can also get your pick here of other fine fowl, such as Brown African and Toulouse geese, White Pekin, Fawn and White and Wild Mallard Ducks, Bronze and White Holland Turkeys and a number of varieties of pheasants. And, for the protection of their poultry they have, as stated, as fine a kennel of Airedale terriers as it is possible to find anywhere.

"Their entire poultry department is fenced with a nine-foot fence of one-inch mesh wire at bottom and extending one foot into the ground to keep out the underground pests. Over their big poultry tract is scattered colony house after colony house, in fact if these breeding pens were set end to end in a row, they would extend for one mile.

"These boiled-down facts, reader, will give you a good general idea as to what is going on in a poultry way at 1733 Ranch.

"They are running a real progressive poultry business out there at Kearney, Nebraska, and it will pay 'poultry folks' to keep an eye on things. Men in the business know that J. F. Swan, manager of the poultry department, is one of the best informed poultrymen in the country. Mr. Swan now has complete charge of the poultry department of the Ranch.

"Mr. W. S. Stickle, the owner of 1733 Ranch, is known throughout the central west as an aggressive, 'live-wire' business man and he will second Mr. Swan's expert efforts to make this Ranch known the world over as the home of the best grades of standard-bred fowl. Therefore, keep your eye on 1733 Ranch."

EXHIBITION S. C. R. I. REDS

as bred and exhibited by us have won Blues and other prizes at Madison Square Garden, Holyoke, Leinox and other big Red shows. Send for circular of winnings and matings.

Reference: Judge Tracey.

CARTER & HANLON, CANAAN, CONN.

Nowata Farm Buff Wyandottes

are of the best. Eggs \$2.00 and \$5.00 per 15. Satisfaction guaranteed.

R. A. PAGE, North East, Pa.

Member Buff Wyandotte Club.

RESULTS

that's your aim. To get results you must have the best. You cannot go wrong if you get

PEERLESS WHITE ROCKS

Four grand matings headed by our winning males of 1916. Eggs now ready, \$5-15. Book your order now.

COCKS BROS., 49 East St., Attleboro, Mass.

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

Stock and Eggs for sale from our prize winning Black Langshans, White Rocks, Anconas, and Barred Rocks of Ontario Agricultural College laying strain. Eggs only, of Tom Barron's White Wyandottes and Leghorns, Pure; also Klondykes, Naked Necks, Silkies, Black Tail White Japanese and Mille-Fleur Bantams. No Baby Chicks.

MATING LIST FOR 1917 NOW READY.

YANT'S BARRED ROCKS

Grand Champions at Chicago Coliseum, Cleveland and other leading shows for 16 consecutive years. Eggs from this great prize winning and utility strain, May 10th to the end of the season, \$5.00 per 13.

John W. Yant, Route 24, Canton, Ohio

Wood's Light Brahmas--Weigh--Lay--Win--Pay

"Woods Light Brahma News", eight pages, profusely illustrated, free upon mentioning "American Poultry World."

Harvey C. Wood, Box 75, Bound Brook, N. J.

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Write for Catalog—ask about poultry and eggs too—and "Successful" Grain Sprouters. Famous little booklet "Proper Care and Feeding of Chicks, Ducks and Turkeys," 10 cents. Big catalog is free.

Des Moines Incubator Co., 627 Second St., Des Moines, Ia

\$100 IN GOLD

Breeders and Poultry Raisers everywhere should write us today sure, for our great \$100 Gold Prize Offer. Be a winner with sure winners from

1733 RANCH

263
EGGS
IN



272
DAYS

The Home of the famous Kellerstrass Crystal White Orpingtons, Firestone Rose and Single Comb Reds, Single Comb Buff Orpingtons, Single Comb White Leghorns, Barred and White Rocks, Anconas and White Wyandottes, Rhode Island Whites, Buff and White Cochin Bantams; Mammoth Bronze and Holland Turkeys; Pekin, Mallard, Fawn and White Runner Ducks.

All varieties bred to lay and win.

Buy from the man that builds quality on the foundation that has stood without an equal for years.

Get in your orders now. Don't wait! This is the best month of all to order eggs to produce winners for the fall and winter shows.

The wonderful record of big Show Winnings behind our birds prove them the kind you want. Madison Square Garden, Chicago, Panama Pacific, Omaha, Nebraska State Show and five big State Fairs are some of the places where our showings made phenomenal records of winnings the past season.

Write me your wants. My fifteen years' experience is at your disposal. No order too large or too small. Get your order in early.

Send for FREE CATALOG and MATING LIST Today

Thousands of Show Birds and Breeders now ready for your orders. Pens now mated for egg trade. "All Star" matings in every respect. Get catalog TODAY. Address J. F. SWAN, Supt.

1733 RANCH

Box 9A,

KEARNEY, NEBRASKA

Breeders of Fine Airedale Dogs

Get the New Kellerstrass Poultry Book

Every poultry raiser should have a copy of this famous book. Worth easily \$5.00, but sent postpaid today for only \$1.00.

THE PROPER CARE OF LITTLE CHICKS—LATE HATCHED CHICKS

By H. E. Burgus, Osceola, Iowa

(Continued from page 363)

very hard for them to digest them. Of course, if you have a nice blue grass lot for them to range over they will need no green food and besides will pick up lots of bugs and worms which will greatly aid in building muscle and bone.

A little finely chopped cut fresh bone will also produce large-boned chicks, but if fed along towards maturity it will cause over-developed combs, so you must use great care in feeding it. Nine times out of ten the backyard poultryman causes high, lumpy combs by feeding too much cut fresh bone.

Chicks should be dusted thoroughly with some good powder before being placed in the brooder and dusted again in about ten days, and after three weeks of age a good louse ointment should be used. There are several good brands of louse ointment on the market and the price is very reasonable, however, ointment should not be used on chicks before they are three weeks old. But if there are any signs of head lice you should grease the head and under the wings with a small amount of pure lard. When the chicks are to be brooded by a hen you should be on the constant lookout for lice and should dust and apply the ointment even if you do not see any signs of them. Lice and mites multiply so fast during hot weather that if you neglect them even for a few days they may gain a good foothold and cause great damage. Four or five lice on a chick will suck so much blood that in a day or two its vitality is greatly lowered and it falls an easy prey to disease and, if the lice are not removed, death quickly results.

What I have said should not discourage the beginner, but I wish to say that the poultry business, whether pursued for pleasure or profit or both, is a grand old business, and if you once get started it will be so fascinating that you will never voluntarily give it up.

Let us all pull together and make 1917 the greatest year the poultry industry of America has ever known.

Late Hatched Chicks

About May tenth many breeders will cut in half the prices asked for their eggs previous to that date, and if you need new blood it is a very good idea to purchase a setting or two, for if properly cared for the chicks will grow like weeds. Most breeders ask a very reasonable price for their eggs, all things considered, and at half price any time before June first, they are a real bargain. Late-hatched chicks are always better colored and many winners at the fall and winter shows are hatched in June and July.

The late-hatched chicks should not be allowed to run with the earlier chicks as the larger ones will run over and trample the small ones and will drive them away from the feed during the day time and crowd them at night. Of course, if you have free range this trouble is not so bad as when they must be confined in limited runs.

CLASSIFIED ADVERTISEMENTS

RATES:—Classified advertisements will be inserted in this department of AMERICAN POULTRY WORLD at 5 cents a word per month for one or two months, or at 4 cents a word per month for three or more months. Change of copy allowed quarterly without extra cost. No order accepted for less than 50 cents for each insertion. Numbers, initials and abbreviations count as words. No display allowed other than initial word or name.

TERMS:—Cash with order and copy of advertisement. Positively no exceptions to this rule. Please count the words correctly to avoid delay in publishing. Write copy of your advertisement plainly to insure its appearing correctly. Copy must reach AMERICAN POULTRY WORLD office by 18th of the month preceding date of issue.

AMERICAN POULTRY WORLD is furnished every classified advertiser without charge during the time his advertisement appears in these columns.

We guarantee an average monthly circulation of 35,000 copies during the year ending October, 1917. When writing to any of these advertisers, please mention A. P. W.

"BECOME IDENTIFIED WITH A WINNER."

ANDALUSIANS

R. C. & S. C. ANDALUSIANS. Eggs, \$1.50 and \$1.25 respectively per 15. Calvin Berry, Sugar Loaf, N. Y. 3-6-7

ANCONAS

1917 ANCONA SPECIAL. Send for mating list. Have mated four beautiful pens of choice winners. Write for this wonderful opportunity. Don't wait. Write your needs. Harvey Henry Glosser, Fort Plain, N. Y. 3-5-7

THE ANCONA SPECIALIST. Unequaled show record. Get free catalog. C. A. Knight, Olena, Ohio. 4-6-7

"ALERTS", a 220-egg strain of bustling Anconas. Circular for the asking. H. M. Blake, Honesdale, Pa. 2-5-7

ANCONA EGGS FOR HATCHING. From Pen 1, exhibition quality, \$5.00 per 15. Pen 2, average score, 90, \$3.00 per 15. Pen 3, utility birds of fine ancestry, \$1.50 per 15. Have bred Anconas exclusively for years. Wilner Ross, Bowersville, Ohio. 2-5-7

BABY CHICKS

CHICKS, PURE BRED Rocks, Reds, and Leghorns, \$10 per 100; Eggs \$.75 per 13; \$.4 per 100. Metzler's Poultry Farm, Ephrata, Penna. 4-5-7

125,000 CHICKS. SIX BEST VARIETIES. 6 cents each and up, according to season. Safe delivery guaranteed. Catalogue free. Dept. 28. Keystone Hatchery, Richfield, Pa. 4-5-7

SPECIAL PRICES on Baby Chicks of five varieties, all free range stock. Write for catalogue. Miss Barbara C. Blum, Dept. M., New Washington, Ohio. 4-5-7

CHICKS, BABY CHICKS. Brown and White Leghorns, Barred Rocks, Minorcas. General utility stock. 7c up. Write for information. C. J. Strauser, Liverpool, R. D., Pa. 4-5-7

STURDY CHICKS from vigorous utility bred White Plymouth Rocks. \$12-\$15 per 100. Circular. Oakwood Farm, Yaphank, N. Y. 4-5-7

BABY CHICKS FOR SALE. 5 varieties from the best egg laying utility stock, at money saving prices. 4,000 chicks per week our third year of shipping. Write for free catalog and price list. Dept. D. Frank Blum, New Washington, Ohio. 4-5-7

WE HATCH BABY CHICKS ON LARGE SCALE. S. C. White Leghorns, Barred Rocks, Rhode Island Reds. Hatching eggs. High quality and safe delivery guaranteed. Price list sent on application. Fair View Poultry Farm, Kenton, Ohio. 4-5-7

BABY CHICKS—HATCHING EGGS, expressage prepaid. Rocks, Reds, Minorcas, Leghorns, Wyandottes and Orpingtons. 8-week old chicks a specialty. Satisfaction guaranteed. Catalogue. South Kenton Poultry Farm, Kenton, Ohio. 4-6-7

CHICKS, we have shipped thousands each season since 1904. Rocks, Reds, Wyandottes, Anconas, Campines and Leghorns at nine to twelve dollars hundred. Booklet and testimonials. Freeport Hatchery, Box 14, Freeport, Mich. 3-5-7

VITALITY BABY CHICKS from bred-to-lay yearling hens. White Leghorns, Barred Rocks and Rhode Island Reds. \$8 to \$13 per 100. Catalogue. Our Leghorn pullets averaged 165 eggs per year. Hillcrest Poultry Farm, Box F, Chili Station, N. Y. 3-7-7

BABY CHICKS—Headquarters for Brown and White Leghorns, Barred Rocks and Black Minorcas; broilers 6c. Extra low prices for June delivery. Write for prices. C. J. Strawser, Liverpool, Pa. 2-6-7

BABY CHICKS—White and Brown Leghorns, Barred Rocks; broilers. Book orders now. Safe delivery. Circular. E. L. Strauser, Box 75, Richfield, Pa. 1-5-7

BABY CHICKS—Single Comb White Leghorns. Strong, vigorous chicks from choice yearlings of the best laying strains. mated to cockerels bred from 200-egg hens. Prices reasonable. Safe delivery guaranteed. Harry F. Palmer, Middleport, N. Y. 1-5-7

SINGLE COMB WHITE LEGHORN Chick. \$8.00 per hundred after June first. Sunnybrook Farm, Anderson, Ohio. 1-5-7

BANTAMS

SUPERB (VARIETY) BANTAMS. Seabrights a specialty. M. K. Miller, Pottstown, Pa. 4-5-7

SEBRIGHT, SILKIE, Rose Comb Elack, Black Tailed Japanese, Buff, Black and White Cochins Bantams. Proper & Son, Schoharie, N. Y. 4-7-7

EDMUND J. HICKEY, Breeder of Blue Ribbon Light Brahma Bantams. High winners in the big shows. Eggs \$2.50 and \$3.00 setting of 13. Box 1918, Washington, D. C. 3-5-7

EXHIBITION BUFF AND WHITE Cochins Bantams at reasonable prices. Earl Barnes, Troy, Ohio. 3-6-7

LIGHT BRAHMA BANTAMS. Madison Square Garden winners. Stock and eggs. C. H. Sayre, Horseheads, N. Y. 3-6-7

BRAHMAS

SEE RIVERDALE POULTRY FARM'S advertisement. Light and Dark Brahmans, page 393.

LIGHT BRAHMA EGGS for hatching from high class matings. Winners at Chicago, Milwaukee, Madison and Oconomowoc. \$3.00 per fifteen eggs. John Blanchard, Columbus, Wisconsin. 3-6-7

SEE MY ADVERTISEMENT on page 395. Harvey C. Wood, Box 75, Bound Brook, N. J. 4

WOOD'S LIGHT BRAHMAS—weigh-lay-pay and win right along at both New York Shows, Boston, Chicago Coliseum and New York State Fair. Wood's eight page illustrated "Light Brahma News" free upon mentioning "American Poultry World." Harvey C. Wood, Box 75, Bound Brook, New Jersey. 1-5-7

The weather usually is favorable and so they grow fast from the start and, taken generally, they reach maturity much faster than the early hatches.

Of course, lice and mites also do better during warm weather and extra prevention must be used against these pests. Plenty of shade, fresh water and good feed combined with free range will make them do so well that you can almost see they grow.

It is advisable to hatch all the early chicks we can, but if for any reason we do not have all the chicks we want June first, we must not hesitate to go on hatching for it will prove to be a paying operation.

Some years the hatching season is a month later than others. While this year in your own neighborhood the spring crop of chicks may be up to normal, it may be far below the average somewhere else.

I have always found it an easy matter to dispose of June and July pullets the next March and April at a very good price, for many people who have no incubators do not hatch until April or May, and as the July pullet is always laying by April, they would as soon have them as the January or February pullets.

So far as feed and care are concerned, the June chick can be raised for less money than the March chick, but at selling time the earlier chick strikes a higher market, hence brings more profit. Besides, the early pullet lays all winter and pays the feed bill both for herself and her younger sister. It goes without say-

ing that the early pullet is a better payer, but the late-hatched chick can also be reared at a profit.

If you use incubators instead of hens you can use brooders and give the chicks the advantage of starting life without being handicapped by lice or mites. But do not think that even if incubator hatched and brooder reared they can not be infected with these pests, for they will apparently spring up from nowhere. Use plenty of powder and remember after the chick is six weeks old, to use a good ointment and you will be bothered very little by these pests which in many cases turn profit into loss. Always remember that an ounce of prevention is worth a pound of cure.

“SWAT THE RATS.”

We wish to call particular attention to the advertisement of the Pasteur Laboratories of America on page and we recommend that our readers send for the printed matter put out by these people, either to the New York branch, 336 W. 11th St., or to Chicago, 19 N. La Salle St.

SILVER CAMPINES. First prize stock. Bargain prices on eggs and baby chicks. Christ Nath, Sandusky, Ohio. 4-5-7

GOLDEN CAMPINES. First prize pen Brockton, 1916. Herman Packard, 27 Gifford St., Brockton, Mass. 4-5-7

GOLDEN, SILVER CAMPINES. Before buying eggs, write me. Catalog free. Dr. Prudhomme, Box 4. Thurmont, Md. 4-5-7

STAR SILVER CAMPINES, the greatest of all layers. Bred by us in line 8 years. Eggs from this genuine winter laying strain, \$3.00 per 15. A few mated pens and trios for sale. Star Silver Campine Farm, Huguenot Park, N. Y. 3-5-7

COCHINS

COCHINS ALL VARIETIES as well as Brahmas and Langshans are described in the book “The Asiatics”, the only complete treatise on the oldest fowls in existence. A copy will be sent postpaid upon receipt of 50c. cash or stamps to AMERICAN POULTRY WORLD, Buffalo, N. Y. tf

CORNISH

DARK CORNISH—If you want type get mating list of my winners before buying eggs. W. W. Graves, Jefferson City, Mo. 6-5-7

CHAMPION HEAVYWEIGHT DARK CORNISH, best English blood. Eggs \$3.00, \$5.00 per 15. Infertiles replaced. E. R. Scott, Dansville, N. Y. 3-5-7

WHITE CORNISH, first prize 1916, at Hartford, Syracuse, Providence. Eggs \$3.00 per 15; \$5.00 30. L. J. Smith, Deep River, Conn. 4-5-7

DARK CORNISH STOCK AND EGGS. Circular free. M. J. Van Eman, Box W, Elgin, Ohio. 4-5-7

BREEDER OF DARK CORNISH. Eggs, \$3 and \$5 per 15. Bred from imported stock. A. E. Noxon Pennington, N. J. 4-5-7

WHITE AND DARK CORNISH. Circular free. White cockerels, \$2.00 each. Eggs, \$2.00 for 13. C. D. Smith, Fort Plains, N. Y. 4-6-7

DARK CORNISH—Eggs, \$1.50 and \$2.50 per 13. T. R. Harper, Dexter City, Ohio. 3-7-7

DUCKS

A COPY OF DUCKS AND GEESE should be in the hands of every breeder of water fowl. Contains the origin of the Ducks. Describes the different Standard varieties. Tells about the wonderful Duck Industry on Long Island and abroad. 104-pages, 8½ x 11½. Price 75 cents. American Poultry World, Buffalo, N. Y. tf

FIRST MADISON SQUARE RUNNER DUCKS, also Reds and Leghorns. Show stock with egg records, \$2 setting. Gaebel Brothers, Morristown, N. J. 3-7-7

It is at this season that poultrymen are greatly troubled by mice and rats. The rats grow bold and kill countless little chicks at this time of year, therefore poultrymen should welcome any safe device that will rid them of these rodents.

Full particulars for the use of their ‘rat virus’ can be obtained by writing to them.

MAMMOTH PEKIN DUCKS (Keith). Eggs, \$1.25 per 12; 100, \$7. Springbranch Poultry Farm, Bellville, Ohio. 2-6-7

PEKIN DUCKLINGS AND EGGS by the hundreds or thousands. Ducklings, 25c each; eggs, \$7.00 per 100. Penn Duck Farm, Yardley, Pa.

HAMBURGS

SILVER SPANGLED HAMBURGS. Beauty strain, blue ribbon winners. Great layers, Eggs \$3.50, \$2.50 per 15. Choice Cockerels, \$5. and up. Raymond Heald, West Chester, Pa. 4-5-7

SILVER SPANGLED HAMBURGS, trapnested six years. Houdans, 278-egg strain. Eggs, chicks, stock, catalogue. Fred Brenon, 122 North Pleasant St. Watertown, N. Y. 5-6-7

HOUDANS

WHITE HOUDANS. Chicks and hatching eggs in season. Imperial Poultry Farm, Union County, Union, N. J. 4-5-7

MOTTLED HOUDANS AND SILVER WYANDOTTES. Silver Perfection strain. Won 64 ribbons in 1916. Write for booklet and pictures of my birds. Frank J. Greiser, Lebanon, Pa. 4-5-7

THOROUGHBREO HOUDAN and Buttercup hatching eggs. Frank Harris, East Homer, New York. 4-5-7

JAVAS

JAVAS. Breeders' names sent free. American Java Association, Box 124, Albany, N. Y. 4-5-7

KLONDIKES

KLONDIKES! New breed of chickens. Good table fowls; splendid winter layers. Feathers valuable. Catalogue free. Wm. R. Black, Bolivar, Ohio. 4-6-7

LANGSHANS

BROCKTON FAIR 1916, with classes full we won four firsts, five seconds, 1915 four firsts. Robinson's Langshans, South Weymouth, Mass. 12-10-7

EGGS ONE-HALF PRICE balance of season. First cock, hen, cockerel, second pullet, Buffalo, 1916. Strong competition. Write for mating list. Robinson's Langshans, South Weymouth, Mass. 4-5-7

LEGHORNS—BROWN

SEND YOUR ORDER today for a copy of “The Leghorns”, the most complete treatise on your favorites ever written, three full page illustrations in colors, one showing correct plumage color of male and female Brown Leghorns. 144 pages—price \$1.00 postpaid. AMERICAN POULTRY WORLD, Buffalo, N. Y. tf

ROSE COMB BROWN LEGHORN, exhibition cockerels, cocks, quality eggs and baby chicks. Ralph Peck, West Rutland, Vermont. 4-5-7

S. C. BROWN LEGHORNS. Splendid utility. Free range. Finest laying strain, bred from prize winners. Select hens, cocks, finest cockerels, \$1. up. Booking orders for eggs. Philip Snyder, Greenville, Pa. 4-5-7

S. C. BROWN LEGHORNS, good baby chicks. Circular free. H. M. Moyer, Rt. 3, Boyertown, Pa.

“ROSEMONT” BROWN LEGHORNS are Ever-Better. They travel way ahead of all others at Saint Louis National Club Meet and Cleveland State Meet. Stock \$3, \$5, \$10, \$15, each. Eggs for setting \$10, \$5, \$1. Catalogue. Farm No. 6 Franklin, Pa.

ROSE COMB BROWN LEGHORN Cockerels from Madison Square Garden Winners. Eggs. Circular. Wm. T. Liddell, Greenwich, N. Y. 4-6-7

LEGHORNS—S. C. BUFF

EGG-BRED BUFF LEGHORNS. (Single Comb) Elegant breeders, eggs and chicks priced right. Circular. L. M. Munger, DeKalb, Ill. tf

CLASSIFIED ADS.

BUCKEYES

BUCKEYES. Premier Reds. Sixteenth year. Cleveland, Columbus firsts. S. Dunning, St. Marys, Ohio. 4-5-7

BUCKEYE HATCHING EGGS, reasonable. Send for descriptive circular and prices. H. R. Bacon, Houghton, N. Y. 3-5-7

BUTTERCUPS

BUTTERCUPS. Baby chicks and hatching eggs. 1917 booklet now ready. Choice cockerels for sale. Write Mrs. Hattie D. Reed, Marcellus, N. Y. 4-5-7

“VICTOR” BUTTERCUPS winners at Madison Square, Palace and Syracuse. Eggs \$1.50 to \$5 per 15. Write for mating list. Arthur Loper, Bridge Hampton, N. Y. 4-5-7

BUTTERCUP EGGS for hatching, \$2 to \$5 for 15. From Royal Strain Stock. Ray N. Ahl, Gainesville, N. Y. 2-5-7

“VAN” BUTTERCUPS, prize winners. Hatching eggs, \$1.50 per 15. N. L. VanDuyme, R. D. 12, Moravia, N. Y. 1-5-7

CAMPINES

CAMPINES, SILVER AND GOLDEN. First edition of the best book published on this breed. Edited by F. L. Platt. Excellent articles by M. R. Jacobus, J. Fred N. Kennedy, Rev. E. Lewis Jones, Frank E. Hering and others. Illustrations and articles by F. L. Sewell and A. O. Schilling, with color-plate by Artist Sewell. This 88-page book contains many charts and photographs of live birds. Price 75 cents; with a year's subscription to this journal, \$1.25. Address American Poultry World, 85 Dewey Ave., Dept. C, Buffalo, N.Y.

IMPROVED SILVER CAMPINES. Choice stock reasonably priced. Rev. W. Berberich, Groton, N. Y. tf

“STERLING” SILVER CAMPINES. Winners at Trenton, Hagerstown, and 1st Display at New Jersey State Show in hot competition. Eggs \$3 per 15. Chester Loper, Bridge Hampton, New York. 4-5-7

MY ENTIRE LOT of Buff Leghorns. Some winners in the lot. B. O. Schilling, Brighton Station, Rochester, N. Y. 4-5-7

SINGLE COMB BUFF LEGHORNS. First and fourth Madison Square Garden cocks, first Syracuse cock, first Brockton cockerel and second Pittsburgh cockerel head matings. Wm. Crevoiserat, 38 Mill Road, Freeport, N. Y. 4-5-7

S. C. BUFF LEGHORNS. Breed for show quality and great layers. Eggs \$2.00 setting; \$5.00-50; \$8.00-hundred. Geo. H. Sweet, E. Aurora, N. Y. 4-5-7

LEGHORNS—WHITE

ENGLISH WHITE LEGHORNS. "Barron Strain". Hatching eggs \$1.50 per 15. \$7.00 per 100. Circular free. White Leghorn Yards, Nelsonville, Ohio. 4-5-7

CIRCULAR, \$1,500 profit from 656 Leghorn hens, interesting, instructive, free. Eggs, chick, reasonable. Write Dr. Prudhomme, Box 4, Thurmont, Md. 4-5-7

SINGLE COMB WHITE LEGHORN HATCHING EGGS. Baby Chicks and Stock at let live prices. Send for price list and information. Paradise Egg Farm, Iselin, N. J. 4-5-7

LINE-BRED, TRAP-NESTED S. C. White Leghorns. English Strain. Eggs from hens with records of 200 eggs and over. No breeders used under 200 egg records. 15 eggs \$3.00; 50 for \$8.50; 100 for \$16. Baby chicks for 25c each. E. M. Hays, Curwensville, Pa. 4-6-7

WHITE LEGHORN AND RHODE ISLAND RED Chicks. Pekin ducklings, \$20 per 100; eggs, \$1 per 12. Harry Lester, Ransomville, N. Y. 3-6-7

ORIGINAL WYCKOFF STRAIN White Leghorns. Winter producers. Large, chalk-white eggs. Baby chicks, hatching eggs. Flocks mated by Cornell expert. Marvin T. Forster, Hall, N. Y. 3-6-7

MAPLE CITY POULTRY FARM S. C. White Leghorns Our Win at Buffalo: First Cock, First Hen, Third Cockerel, Third Pullet, First Old Pen. Stock for sale. Blades A. Crawford, Hornell, N. Y. 2-5-7

S. C. W. LEGHORNS, 25 years exclusively. Pullets, hens, cockerels, finest quality. Baby chicks, hatching eggs any number, my great specialties. Henry Trafford, Binghamton, N. Y., Editor Poultry Success, visited me, thought big bunch birds, will tell you this is the place to buy high grade, heavy laying stock. Circulars, full information. C. N. Reynolds, Canton, Pa. 3-5-7

DAY-OLD CHICKS—S. C. White Leghorns from heavy layers, best strains. Vigorous chicks, the kind that grow. Mature into fine stock that will please you. Eggs for hatching. Write now. C. A. Stevens, Ransomville, N. Y. 3-5-7

MINORCAS—BLACK

SINGLE COMB BLACK MINORCA hatching eggs from pure-bred, heavy-laying stock: \$5 per 100; \$1.50 per 15. Frank Miles, Dundee, N. Y. 4-5-7

SEVERAL HUNDRED Single Comb Black Minorca pullets, cockerels and yearling hens for sale reasonable. Eggs from choice matings, satisfaction guaranteed. Chas. M. Weikert, Littlestown, Penna. 4-5-7

ROSE COMB BLACK MINORCA eggs. Send for circular. it's free. Jaye Beswick, Berea, Ohio. 3-5-7

SINGLE COMB BLACK MINORCAS. Eggs for sale from our Madison Square Garden winners, \$3 and \$5 per setting. Stock for sale. Send for mating list. Onandaga Minorca Yards, Kren & Hicks, Props., Syracuse, N. Y. 4-6-7

SINGLE COMB BLACK MINORCA day-old chicks from exhibition pens and utility pens at 20 cents and 12 cents, respectively, for different months of season. Eclipse Minorca Farm, Port Trevorton, Pa. 3-7-7

MINORCAS—WHITE

WHITE MINORCAS. Both combs. Eggs for hatching. Mrs. James Osborne, Fabius, N. Y. 4-5-7

ROSE COMB WHITE MINORCAS, the coming breed. Eggs 30-\$2.00, 100, \$6.00. H. L. Carson, Middleport, Ohio. 3-5-7

ORPINGTONS—BLUE

CHOICE BLUE ORPINGTONS at reasonable prices. Rev. W. Berberich, Groton, N. Y. 4-5-7

BLUE ORPINGTONS. Before buying eggs, write me. Catalog free. Dr. Prudhomme, Box 4, Thurmont, Md. 4-5-7

ORPINGTONS—BUFF

QUALITY BUFF ORPINGTONS win 27 ribbons, 4 color and shape specials, also 2 silver cups at Providence, Attleboro and Pawtucket. Over 250 Buifs competing at these 3 shows. I have 5 grand matings, each pen headed by a winning male, and containing many winning females. Eggs from these Quality Matings \$3 and \$5 per 15. Satisfaction guaranteed. H. Butler, Saylesville, R. I. 4-5-7

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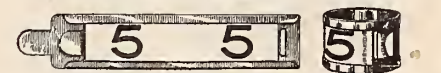
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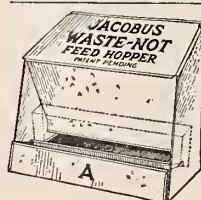
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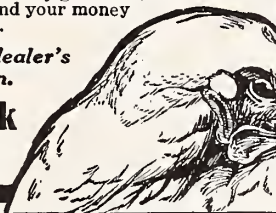
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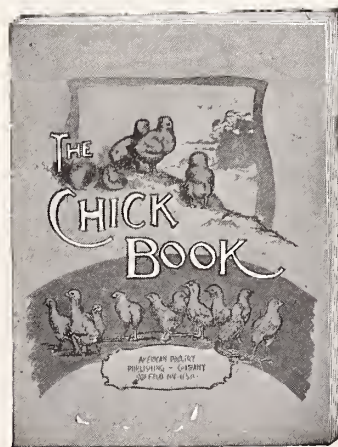
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