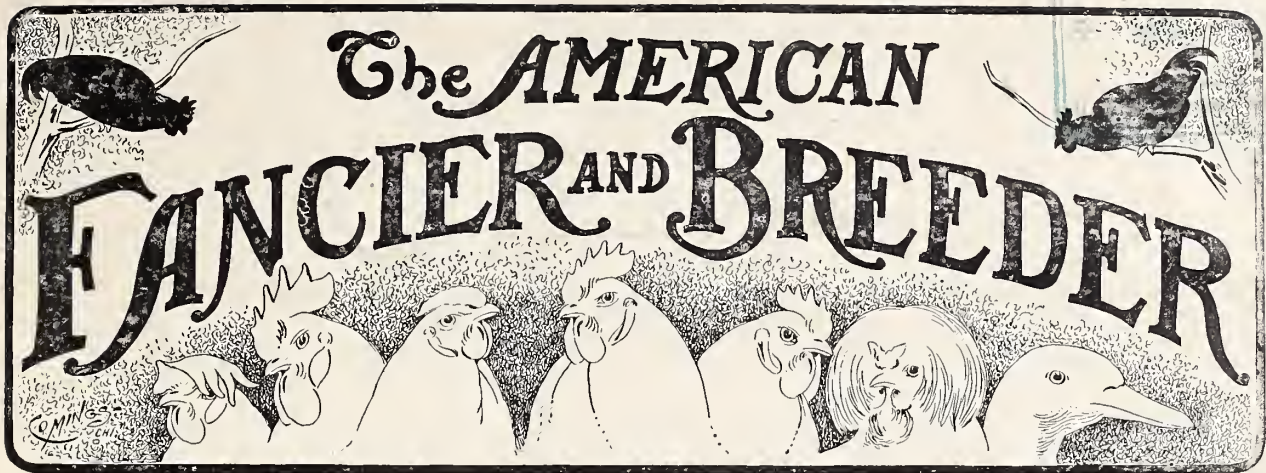


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# The AMERICAN FANCIER AND BREEDER



Vol. 19.

De Kalb, Illinois, September, 1902.

No. 9.



Owned by Stephani Poultry Farm, Belleville, Illinois.

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# The American FANCIER and BREEDER.

A MONTHLY MAGAZINE DEVOTED TO POULTRY CULTURE.

Vol. 19

DE KALB, ILLINOIS, SEPTEMBER, 1902.

No. 9.

## Getting Ready for Winter.

Last spring I received a letter asking me why its writer had so poor a hatch, and stating the chicks dead in shells were nearly developed and ready to pip. I answered that it might be the result of several causes, or from any one of them, namely: Eggs laid by inactive, fat hens, lacking green food, eggs kept too long before use. Since I had to go way back in my answer, intend now to look far enough ahead to forestall such questions. Josh Billings said the best way to cure anything is to prevent its happening, or if those are not his exact words they are just as good.

Unthreshed grain can rarely be obtained in winter. Obviously it should be secured and stored during harvest. A small stack under a tarpaulin or a few bundles in the barn mow, as I practiced, will go a long way toward making hens "scratch for a living." If this provision is neglected gather autumn leaves or pine needles, among which can be thrown grain to induce search and exercise. Many a barrel of maple leaves have I raked or packed and my father kindly did far more.

If other vegetables were not raised, cull onions may be bought. Where there are no pickle factories to take them at special prices, I prefer to get so-called pickling onions, the small hard ones which keep all winter better than culls, the latter being soft, double, split, etc. Raw onions are one of the best liver medicines in the world, and can be fed twice a week, my rule and experience, without tainting fresh eggs. I never knew but three cases of onion flavored eggs. In one the fowls ran all autumn over a patch where culls were left. In another they feasted on decayed onions thrown from cellar in the spring, which ought all winter gradually to have been consumed. Third case was of a gardener who continuously prepared bunches of young onions for market throwing each day his surplus tops, etc., to flock. The North Carolina station was about fifteen days of consecutive, moderate feeding, working and onion flavor into eggs.

People who wear out their teeth get new ones, and biddy ought to have that privilege any day. Persons have actually told me their hens had plenty of gravel, but when I inquired whether it was out under the snow or was timely gathered and stored, they would look very embarrassed. Grit, like a brush on our own teeth, is "to be applied regularly after each meal." The

mica crystals and other prepared grits have the merit of sharpness. I use them now with a small flock, but when on the farm thought I could not afford such preparations for so many fowls. Gravel should not be weatherworn and smooth, but dug from beneath the surface. We always had to send a team away eight miles for the proper sort, and when I omitted getting it actually found from back accounts that food bills increased, because by not being ground and digested some food was voided, wasted, and hens were hungrier. The supply of broken crockery would be meager and unreliable here, as I am not a smasher of dishes. Since pounded glass kills rats and occasionally chickens, I would only trust it after burning and then wetting the glass, taking out as much temper as possible, when it breaks in chunks rather than splinters. To save eyes, pound all such things under old paper. The latter will not be cut up, as soon as you think.

To sum up, the right kind of winter food and accessories make not only healthy hens, but the right kind of a strong, normal hatching egg.—IDA E. TILSON, in Wisconsin Agriculturist.

## A Talk With Beginners.

The Twentieth Century is a commercial age; a time when every one is compelled to apply all his or her energies to "keep up with the band wagon." A good, paying business, if properly conducted, is the raising of poultry. Most any one living in the town or country can lay off enough ground to keep a few fowls, which in return will bring profit, that is, if properly cared for. This caring for fowls embraces a great deal of detail work, and systematic feeding, especially, cannot be too strongly impressed upon the beginner, where good results are desired. The haphazard way of throwing in a handful of feed (be what it may) will not bring eggs. Fowls, like every other domestic animal, demand systematic care. Neglect this, and the number of eggs received will materially decrease.

Beginners often get discouraged, in competing with their neighbors for eggs, because they forget to take into consideration the respective breeds grown by themselves and their neighbors. Perhaps the neighbor raises the Leghorn, Black Spanish or other small breed, noted for its egg producing qualities, while the beginner has purchased a heavier breed, not specially noted for eggs. These heavier breeds are grown for other qualities

as well as for the number of eggs. In comparing the different breeds you might just as well compare a draft horse with a trotter, and expect the work horse to travel as fast as the race horse.

Speaking of the different breeds of fowls, the middle or American class seems to be a general favorite at this, to judge from the numerous exhibits of Plymouth Rocks and Wyandottes at the recent poultry shows. In my opinion one of the reasons for this is, that these breeds are especially adapted for cooking purposes, and who does not like fried chicken in the spring of the year? Now it is true the smaller breeds—Leghorns, Black Spanish, etc., make delicious and palatable eating, but size is to be considered.

This can be obtained in the Middle Class without a great sacrifice of eggs.

However, each fancier has his favorite breed, and after due consideration I choose the Buff Plymouth Rock. This breed has many admirers, and I will give some of the reasons why I admire this breed. First, the beautiful buff color does not show the dirt to any great extent, and this is quite an item to the city fancier. Then again step into a pen of exhibition Plymouth Rock birds that have been carefully reared from the shell up to maturity. You do not see them fluttering, jumping and excited, but, on the contrary, they are docile and tame, and sometimes even come to the call of a name. One fancier recently wrote that he possesses a hen which, on being called by name, leaves the flock and comes to him. Then, too, this even temperament is conducive to early maturity, and admits of easy handling in the show room. And now, in the course of this talk, if I have dropped a few suggestions to the beginner, and thereby encouraging the growing of "better poultry and more of it" I shall feel amply repaid for my time and trouble.—Dr. J. C. READER, East St. Louis, Ill.

## The Value of The American Hen.

These few statistics in regard to the poultry industry were obtained from different or various sources, independent of Secretary Colburn's report.

What animal or bird other than the domestic hen encased in so small a compass, and clothed in nature's feathers garb is of as much value in a commercial point of view as the American hen of to-day.

Little does the average farmer realize the fact that there is a greater value attached to poultry and poultry products annually

than to any other one branch of farm industry in the United States, and in spite of this fact we are obliged every year to import enormous quantities to supply the demand for these products for domestic use. It is said the state of Kansas alone ships out every year more than \$5,000,000 worth of poultry and eggs, to say nothing about the large amount used for home consumption. But, dear reader, listen and hear what old Missouri has to say in this line. Statistics show that this state, last year, shipped 106,688 710 pounds of poultry, live and dressed, an increase of 36,907,443 pounds over the preceding year. This with the many thousand dozen of eggs shipped from there, making the poultry worth to the producer in this one state alone \$12,001,048.54. It is said the profits from this industry exceed by many thousands of dollars those of all grains, beans, tobacco and cotton seed raised there.

Those who are disposed to think lightly of the hen as a contributor of domestic happiness and as a laudible means of procuring pin money should compare the value of poultry and eggs with other farm products.

During the last quarter of century the poultry industry has developed as the largest agricultural industry in the country. Thousands of dollars are invested in large poultry plants all over the land, and immense factories for the manufacture of appliances for hatching and rearing chickens by the thousands and give employment to hundreds of skilled workmen.

Incubators and brooders are hatching and raising measurably supplanting the setting hen and thus depriving her of her most cherished instincts. Yet instead of overproduction in this line, the United States is obliged to import from 2,000,000 to 3,000,000 dollars of eggs every year.

New York state and city consume about \$50,000,000 worth of poultry and eggs annually. The value of eggs and poultry in the United States exceeds that of wheat and bread stuff, the greatest purely agricultural product of our land.

While we think of eggs and bread stuff, we hear of but little of the use of the millions of eggs used in the arts and commercial branches of trade. The demand for poultry and eggs have awakened enthusiasm, which is raising the standard of poultry. And yet notwithstanding the great value of this industry the hen has been looked upon as a by-product and unworthy of the credit to which she is justly entitled. The domestic hen however, furnishes an enormous amount of food for the table.

One portion of the poultry product goes to the egg trade, the other to the butcher shop and both make big items in the weekly stock and daily sales. It is said the egg production is three times more than the gold output of the United States, including Klondyke.—J. N. BURTON, STERLING, KANS.

#### A SHORT CROP OF CHICKENS.

Extended trips through New England, the middle states and Canada, together with reports from several western states, give us information which points to a decidedly short crop of chickens this year; a shortage which probably reaches an average of twenty-five per cent. Several causes have contributed to this, amongst them being the remarkably hard season, in the northern latitudes, which weakened the breeding stock and made the hatches poor, causing unusually heavy losses in the chicks; and the very high price of foods, which influenced many to sell off old stock last fall and winter and hatch fewer chickens this spring. So very general is this smaller number of chicks than usual that we think we are within bounds in estimating the average shortage at twenty to twenty-five per cent, and this shortage we think peculiarly unfortunate at this time, basing that opinion upon the broad ground of the best good of the poultry interest. The rapid rise in the prices of beef, mutton and pork has caused a considerable turning to poultry meat and eggs for a food supply, and if there were a sufficiency of them the net results would be increased appreciation and greater consumption of these products to the lasting benefit of poultry producers. The enormous crop in the west indicate a decided drop in prices of grains, and although we do not look for quite so low prices as formerly, still we do expect prices at which it will again be profitable to grow poultry for market, and hope next season to see the lost ground recovered.

The reduction in numbers of laying stock, coupled with the increased demand for eggs has caused a remarkable advance in price of eggs in some sections. For instance, in central New Hampshire the middle of August we found eggs selling in a small country village three miles from a railroad at 28 to 30 cents a dozen, and the dealer said he could not get in enough to supply the demand two years ago eggs were selling there at the same season at 18 to 20 cents a dozen. On a large island in Penobscot Bay, Maine, a week later, we learned that eggs were selling at 50 cents a dozen and couldn't but think that there was a good opportunity to make money by buying up eggs and shipping them to higher markets if a sufficient supply could be obtained; but there, too, we learned that farmers had wintered fewer hens than usual and consequently there were fewer eggs being produced.

This generally short crop of poultry and eggs will mean that those who are so fortunate as to have stock to sell this fall will get good prices for it, and for that reason it will be wise for them to go slow and not rush the birds off on the plea that they need the room for youngsters; if being a bit slow means substantially better prices for birds sold it will certainly pay to crowd the quarters a little temporarily, and not sell unless for full value. Another point,—hatchable eggs will be in demand at good prices next

winter and spring; keep that in mind concerning whether proffered orders are sufficiently tempting to induce sales.—A. F. H.

#### Clean Yards and Exercise.

Poultry yards should be cleaned every week at least, especially in the summer time and there is no better way to clean them, nor is there any easier way, than to have them dug or spaded up. But better still, an excellent way to clean them is to procure a wheel hoe and run it over the yards, and they will soon be all turned under nicely and in less than half the time it would take to go over them with a hoe or spade. The droppings are thus plowed under, and if the yard is to be seeded to a crop it can be instantly converted into a seed drill. Such a combination is a wonder, yet it is very common nowadays and quite cheap, considering the labor it saves. An ordinary poultry yard can be gone over before breakfast in the morning. Nearly everyone who has taken good care of his yards knows the hard work of spading up a yard. They have to be cleaned, that is positive, and why not do it in the best and cheapest manner. The fowls will enjoy fresh insects and worms for their morning meal, and will scratch all day long in the hope of finding more. When fowls are exercising freely and scratching for their meals there need be no fear entertained for their healthfulness and profitableness.

#### A Graded-Up Flock

Mrs. C. E. Lewiston, Michigan, writes interestingly as follows: We have enjoyed your paper very much the past year. I usually care for our hens myself, and enjoy the work very much.

Our hens are line-bred for four seasons from a cross of common hens which we were able to pick up on coming North, and a pure-bred S. C. W. Leghorn cockerel we brought with us.

We have selected the best layers each year to breed from. This season our breeding pen consists of five pullets and four hens and cock.

This pen is averaging from thirty to forty-five eggs each week the last six weeks.

We feed mangels and small potatoes in mash, also scraps, bones and refuse meat our butcher saves for us, bran and meal; for grain feed, buckwheat and corn which we raise ourselves, and small quantity of wheat and oats which we buy for a change.

I have hatched our chickens with hens, and raised by hand, but this season I have bought a Bantam hatcher, and will try that as my hens sit so late that my pullets are too late. Still June and July pullets began laying January of this year.

I had two hens die in the winter with a disease similar to that which attacked those of Mrs. J. E. T. Two weeks ago I found one unable to walk, another getting lame. The can containing kerosene and oil of tar was handy, so I soaked their feet and legs

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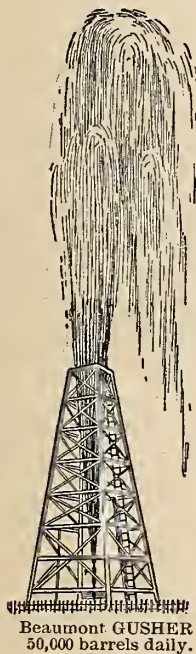
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with this mixture, usually used on the perches, with the result that they are apparently as well as ever.—in C. P.

### *Scarcity Of Poultry.*

For the past year all kinds of poultry and eggs have been scarce, and owing to the high prices prevailing for meats the demand for poultry has been steady at profitable prices. Old fowls have ranged from 10 to 15 cents, even higher in some localities, while eggs have ruled steady at from 15 to

25 cents a dozen

The supply of chickens this season has been light, and broilers have sold readily at from \$3 to \$5 a dozen.

These prices have tempted many to sell the grater portion of their fowls, both young and old, and the inevitable result will be a scarcity of fowls and eggs during next winter.

Pullets, unless hatched very early, seldom begin to lay before spring, and since the old hens have most all been marketed, it will

naturally follow that eggs will go all season at record-breaking prices. The packers can not put many eggs in cold storage, because the supply now scarcely meets the demands of consumer. Therefore, there will be no way to keep prices down.

With this in mind, we should endeavor to have our hens in the best of condition, so that they will begin to lay not later than the first of November.

# The AMERICAN FANCIER and BREEDER

Published the 15th of each month.

By The AMERICAN FANCIER and BREEDER PUB., CO.

DE KALB, ILL., SEPTEMBER, 1902.

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Will our readers please send the names of 25 farmers or persons who keep and are interested in fine poultry, and the FANCIER & BREEDER will be sent to one of the number one year free, the rest will receive a sample copy.

### To Tell the Age Eggs.

Germans have a process by which they claim to be able to determine the age of an egg to the day. The egg is dropped in a solution of salt containing eight ounces to the pint. If the egg is only one day old it sinks immediately to the bottom, if three days old it sinks just below the surface only and from five days upward it floats.

It is well known that the air cavity at the blunt end of an egg enlarges as the age of the egg increases. When the egg is placed in the salt solution it will have a tendency to float with the long axis vertical. A scale of angles is placed at the back of the vessel, and from the inclination of the egg to the horizontal, it is said, the age can be gauged almost to the day. A new laid egg lies horizontally on the bottom of the vessel. When three to five days old it raises itself so that its long axis makes an angle of about 20 degrees with the horizontal. At eight days the angle increases to about 45 degrees; at 14 days it is 60 degrees; at about three weeks it is about 75 degrees, while after four weeks it stands upright on the pointed end.—A. P. J.

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St. Louis, July 31, 1902.

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Yours respectfully,

Woods Egg Holder Company,  
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### The Arrangement Of Book Shelves.

Books have had many appreciative tributes from the master minds of all ages. One phase of their usefulness that appeals in a very practical manner to home makers is the help they give in furnishing the house. When this fact becomes more generally recognized and better understood there will be a freer and more generous distribution of books through all the different rooms. A room filled with books of reference, sets of standard authors and collections of miscellaneous writings is too exclusively a literary work-shop for the ordinary household. It is better adapted for the use of the professional worker, who must isolate himself among surroundings and with appliances that will carry him forward in his career. The charm of the modern living-room is its informal concentration of the family interests. Books, magazines and papers may form a large share of the attractive qualities of this room. A corner for writing may be established with a table or desk well lighted for evening use. Shelves for the books may be built against the walls or hung from the picture molding. Small stands for holding magazines, and comfortable chairs drawn near the windows, will add to the pleasures afforded by reading, while the books themselves form a specific part in beautifying the room.—THE DELINEATOR.

### Caponizing Chickens.

The best age to caponize chickens is when chicks are from 3 to 5 months old. The generative organs are smaller and more easily removed, and there is much less danger from bleeding. The fowls should be kept without food and water for 24 hours before the operation, so that the intestines will be empty. Instruments are made for caponizing and full direction for performing the operation go with each set.

The best plan for a novice is to kill a bird and operate upon that first, in order to learn the position of the parts. Lay the bird upon the table, and place the screwings or weights where they would be needed to secure a live fowl. One or two rings will be required to hold the wings, and one for each leg; six is all that is necessary. Place the bird upon the table, and fasten it down upon its side.

The feathers are plucked and an opening is made through the skin with a pair of sharp pointed, long bladed scissors. We have found these better than a knife. The skin is drawn on one side and an opening is made with the scissors between the last two ribs  $1\frac{1}{2}$  inches long. Great care must be taken not to injure the intestines.

The ribs are separated by the spring hooks to expose the inside. The intestines are gently moved out of the way with the handle of a teaspoon, and the glands or testicles will be seen attached to the back. The tissue which covers them is torn open with the hook, aided by the tweezers. The gland is then grasped with the forceps, and the cord is held by the tweezers. The gland is then twisted off by turning the forceps. The other one is removed in the same way.

When meat alone is desired, the large breeds, as Brahma, Cochin, Langshan, etc., are best, but for carrying chicks use the smaller and more industrious breeds, as Leghorn, Game, etc. The Plymouth Rock, Dorking and Wyandotte fill the middle ground and are useful for either purpose.

Some hens will lay an egg once in awhile during the molting period, but a large majority of them do not lay from the time they have the new suit completely grown.

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No debts, liens or incumbrances of any kind.

As soon as the work of sinking the new shaft is completed, the mines can begin producing and shipping ore at a profit.

Mines easy hauling distance to railroad. Water in abundance, and wood and fluxes conveniently at hand.

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All of the veins are strong and in solid formation. The vein that crosses the "Superior" is 10 feet thick and is traced for 300 yards, which carries 11 percent copper, \$12 gold, 17 oz. silver per ton. Within 25 feet of the "Superior" it shows in the iron croppings considerable carbonate of Copper ore that assays 11 percent Copper. The 85-foot shaft was sunk 50 yards east and down the hill from the junction of these two veins. Recent development on the "Chatauqua," adjoining the "Huron" on the north, has exposed a four foot vein of quartz, free milling ore, that will average at the surface \$5 in Gold per ton, and it has every indication of improving as depth is reached. Upon this claim there was found float twenty years ago, 4,100 pounds of which produced over \$60,000 in gold.

A limited amount of the stock, full paid and without personal liability, is offered for sale for development of the mines at

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You will make no mistake in buying this stock and buying quickly. are so high that they will be beyond your reach.

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100 Shares will cost.....	\$10.00
250 " " " .....	\$25.00
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**AUGUST 20th PRICE OF STOCK WILL BE 20 CENTS PER SHARE.**

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CARDS of 30 words or less, in card column,  
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CHICKENS, Ducks, Geese, Turkeys, Guinea Pigs, Rats, Mice, Dogs, Cats, Ring Doves. Eggs for hatching State wants. Wm. A. Bartlett, Box 34. Jacksonville, Ill.

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**Poultry Breeders** send 50c for a 20-paged monthly devoted to poultry, etc. Sample 3 cents "Michigan Poultry Breeder," Battle Creek, Mich. Or send 55 cents and receive Michigan Poultry Breeder," and THE AMERICAN FANCIER & BREEDER both 1 year.

**BUFF COCHIN BANTAMS.** I have 2 fine pens mated, from which I will sell a limited number of eggs at \$3.00 per 13; or \$5.00 per 26. No stock for sale. Write for particulars. H. E. Munger, DeKalb, Ill.

**GOLDEN SEBRIGHT BANTAMS** bred from Crystal Palace Winners. Breeders in my yards score from 92 to 96. Eggs \$3.00 per 13; \$5.00 per 26. Send for illustrated catalogue. Free. Lea M. Munger, DeKalb, Ill.

**EGGS FOR HATCHING** from fine Partidge Cochins, White Wyandottes and S. C. Brown Leghorns at \$1.50 per setting of 13 or 26 for \$2.50. will spare a few settings of Buff Cochins and Light Brahmas at \$2.50 per setting, and White Indian Games at \$4.00 per setting. Have bred fancy poultry for 25 years. Address, John Niesman, Box 338, Brodhead, Wis. 4-6

**PIGEONS FOR SALE** — Fine Homers, Homers and Runt Crosses, also 500 Pigeons bred for Squab breeding. Prices right. N. B. Hoyt, Hubbard, Iowa. 8-11

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**HAVE** a limited number of high class White Fantails for disposal. Order quick as they will not last long. Satisfaction guaranteed or money refunded. H. W. Schultz, Middleton, Mich. 6-12.

**THE BEST CURE** for slobbers or snuffles of Belgian Hares that has yet been found. A cure that has cured many will cure any. Send for particulars.—Free. Mrs. L. S. Otto, 3812 Vincennes Ave. Chicago, Ill.

### Fall Chicks.

How many fanciers remate their breeding pens for fall hatched chicks? It is a good plan to give the breeders a good rest after the spring campaign is over and then the last week in August gather up the largest choicest birds, if one breeds for size, and the smallest if one breeds for bantams and get out birds for September and October. The pullets will not only lay the next spring but will furnish the largest part of the eggs during the hot weather when eggs are scarcest and they will keep right on till the spring hatched hens recommence laying after their fall moult.

But you may tell me that you don't get many eggs in August and September. In that case your strain needs improving and you have all the greater need for a larger collection of hens that will when your spring layers quit laying.

Philander Williams, perhaps the most celebrated breeder of Light Brahmas will tell you that that variety may be improved in laying qualities by judicious selections of breeders and I can vouch for the same qualifications in Black Langshans. I knew a very estimable lady who improved her layers by setting a large number of hens in August and then killing and selling off all her hens except those late hatched females. As a result a large part of those pullets laid through the hot weather and early fall the next year when the spring-hatched pullets were generally passing those days in idleness. I have noticed that none but the best layers shell out eggs in late summer and early autumn.

Almost any sort of a hen will lay in the spring. So, almost any kind of bird will mate and lay in the spring. It is only the best layers that lay when the usual laying season is over.

#### BREED FROM THEM.

A Thayer, Mo., lady asked me about starting her incubator in August. I advised her by all means to do so and then for experiment for her to save her pullets hatched at that time and see if she were not pleased with the layers. She sells eggs and stock for the market and she will be in it next season. To the fancier who breeds for points I want to remind that while he will have to cast out some culls the same as though he were setting his hens in the spring yet when he finally gets his birds coming as he wishes them, his birds will be enough more valuable to make up for his extra trouble.

Many fanciers labor under the delusion that a hen must have a beef-steak comb to be a great layer. There never was a more widespread and erroneous delusion. Some of my birds are the best layers I ever raised and have bred in their purity Brown and White Leghorns and many other pure breeds. These same hens have perfect Langshan combs. I have a certain hen, a monster in size with a beautiful fine grained comb as straight and as crisp appearing as if it were

wax, that is continually laying, only occasionally broody, that would put any ordinary Lanshan breeder on "easy street" as she throws chicks sky scrapers like herself. I could multiply such instances to show that one does not have to sacrifice beauty and utility for ugliness but it is not necessary.

As regards setting eggs now for layers, it is enough to say that the fact that a hen lays in season and out of season, the eggs laid stand a good show to produce the same kind of a bird.—C. J. Forsythe in P. C.

### Roosting Coops for Big Chicks.

We have built a number of houses on posts which leaves them elevated about 12 or 12 inches from the ground. These coops are floored, which keeps the birds high and dry and free from dampness and at the same time allows them sufficient shelter from the sun, and gets them away from the draught that is generally nearest the ground. A board runway leads from the chicken door to the ground, giving them convenient passage to and from the inside.

These coops are built four by eight feet and are four and one-half feet high in front and three feet at back, giving a short pitch to the roof, which sheds the water readily. They are covered with tarred paper and have sash, six lights, nine by twelve inches, and a door twenty-four inches wide and full height of the building, which is fitted with a screen for use in hot weather. There is an opening at the highest point at each end, which allows the heat to escape. This is closed in cold weather.

### An Old Poultryman's Advice.

Our English contemporary, "Poultry," publishes the following: "Allow me, as an old poultry-keeper of over sixty years' standing, to say a word about eggs, which are really the most lucrative part of the whole concern. 'You may buy a horse with the eggs long before the chickens will pay for the saddle' is a very true axiom I once heard from a wise old 'hen wife.' Average poultry-keepers fail in getting plenty of eggs from neglecting three points—age and quality of hens and care. 1. No hen over two years can be reckoned as a prolific layer. You must keep pullets and one-year-old hens, hatched so as to lay in succession. 2. Never cross sitting and nonsitting breeds. You spoil the laying qualities of the latter, and never get a reliable sitter. 3. Keep your hens dry. Cold does not affect them as damp does. You must provide shelter from a drenching (even summer) shower if you want to keep up your eggs in number. I have kept fowls in the cold, dry. East coast climate, and in the milder but damp climate of the West coast, and these places where eggs were scarcest, but by keeping my birds dry I had eggs when my neighbors had not. I have exhibited a good deal in former years very successfully. My experience is that my winnings covered or rather balanced entrance fees, traveling, etc."—Commercial Poultry.



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When we have placed with our customers the amount of treasury stock of any company necessary for its development, our labors and responsibilities have but just begun. We must stay with the property and our customers' financial interests therein; must see that it is intelligently, economically and honestly operated; and, having a conditional interest in the profits of the property, secondary to the interests of our customers, if we followed any other policy than that of keeping strict supervision of its management, even although it might take a much longer time than was anticipated to demonstrate the actual value of the property and place it upon an independent dividend-earning basis, we would most assuredly be negligent not only of our customers' interest, but of our own as well.

The following remark recently made regarding our firm by one of the well-known financiers of New York was both flattering and appreciated, for it expressed what we are striving for:

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**GROVE STOCK FARM,**  
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**Wanted To Sell.**

500 of my Barred and White Plymouth Rocks, Silver Laced Wyandottes, Light Brahmas. To readers of this paper I have show birds, also breeders. I guarantee to please every customer or his money back, try me and see. J. A. ROADRUCK,  
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**I restore faded Daguerreotypes.**

That's my Specialty. I do it well and never spoil a picture. Send for particulars, etc. T. H. LEE, Seneca, Kan.

**NOTES.**

If poultry is worth keeping it is worth keeping well.

It is not other people's poultry that needs attention, it is yours.

Feed broken oil cake to fowls twice a week will often promote laying when other foods fail to good results.

It generally pays to kill and eat the too fat hens, as it generally occurs that it will be some time before they commence laying again.

Wheat is a good foundation food for laying hens. Oat meal and wheat bran mixed up with milk is also good.

Chickens intended especially for breeding should not be pushed too fast or over fed, a steady, even growth and development being most desirable.

It can hardly be said that fowls injure fruit as they will only peck at that which falls to the ground in a partly decayed or injured condition.

Hens are rarely if ever, lazy, but when you find one that is, fatten her for the table, for she will lay but few eggs.

A flock of healthy growing chicks will drink quantities of water and it must be given often and the vessels cleaned out frequently.

Fatten fowls for market. They are better flavored, sell more readily and give delight to the city and village housewife by reason of their being just what she wants.

There are culls from the choicest pens ever mated, and from the average pen a good many more. Cull as closely as your good judgement directs and make room for the growing stock.

No egg shells should be burned. They are too valuable to dispose in this way. Crush them and add to the mash. They will help to supply the lime for future eggs.

The only way to get "stay white" birds in the white breeds is to breed only from those that are white when they begin to moult. Now is the time to mark such birds for future use.

There is no way of forcing a hen to lay unless she has the embryotic eggs in the ovaries. The number of these differ with individual hens, and determines the value of a hen as a layer.

Grit, whether home-made or commercial, is an imperative necessity, if we would have our poultry in the best of condition—that health which insures profit as a return for our labor.

Skim milk, buttermilk, sour milk, are all nourishing and stimulate egg production. It will be money in pocket to make the pigs divide with the poultry. It will be more profitable in the end.

**Poultry Supplies.**

We are headquarters for poultry supplies of all kinds and are making unusually low prices on all poultry supplies. Write us your wants. We will be pleased to quote you prices. C W GAULT CO.,  
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1890

1901

**ROYAL BLOOD  
Silver Laced Wyandottes  
For Sale.**

Winners Big 4 Show, Sioux City, Ia., in '98, Lamars, Ia., in '99, National Fancier's Meet, Cedar Rapids, Ia., 1900, and at Neb. State Poultry Show at Lincoln entered 10 birds, won 1st. Cock score 92½, 1st, 2nd, 3rd Cockerels, score 94¼, 1st, 2nd, 3rd pullets, score 93½, 2nd hen in large class and very warm competition. We have never had but one bird defeated. Never had a bird scored except in the show room. We have a few breeding pens to spare, possibly not up to weight but soon will be, at \$12.50. Trios at \$7.50. See half-tone of our birds in frontispiece of March (1901) number of this paper. Can't sell you quite as good as those at these at this price, but they will produce Prize Winners for you. Exhibition birds our specialty. If anyone can please you we can.

**Ponca Wyandotte Yards,**

I. & N. M. CONNOR,

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**RIPANS**

I have experienced a wonderful result in using Ripans Tabules. I was seriously affected with indigestion and heartburn. A friend suggested trying Ripans and I was surprised at the improvement. On making application a few years ago for policy of insurance I was refused on account of a weak heart, but the same company passed me recently, and I give Ripans Tabules credit for the health I am enjoying. I can certainly recommend them to any one suffering with palpitation of the heart or indigestion.

At Druggists.

The Five-Cent packet is enough for an ordinary occasion. The family bottle, 60 cents, contains a supply for a year.

The beginner does not generally realize what an amount of trouble and expense there is in keeping a flock of pure-bred fowls in a first-class breeding condition. He has not had experience, and does not know that it is necessary to improve the stock each year by the addition of choice high-priced male birds of the same breed, but of a different strain, in order to introduce fresh blood and give the chicks a good, strong constitution. There are a great many points in the culture of choice breeding stock, which need close attention, and it also involves considerable expense to keep them up to a high standard of utility and real value.

To make eggs, hens must have food.

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Our Matings still produce the Winners, and win the Prizes for our Patrons.

We are giving our friends and patrons the benefit of our 29 Years' Experience in Mating and Breeding. We make a specialty of

**Barred and White Plymouth Rocks, Silver and White Wyandottes, White and Brown Leghorns, Bronze Turkeys, Bantams, and Pearl Guineas.**

HERE IS A GOOD RECORD.

What our patrons say:

January 3d.—The two Barred Plymouth Rock Cockerals you sold my friend, scored 93 and 94 by B. N. Pierce. I have changed my mind and want to know what you will send me a cockeral breeder for. The youngest cockeral had the finest hackle I ever saw, and also clear yellow legs, nice comb and a strong bay eye. They were well barred to the skin, let me know soon. Yours truly,

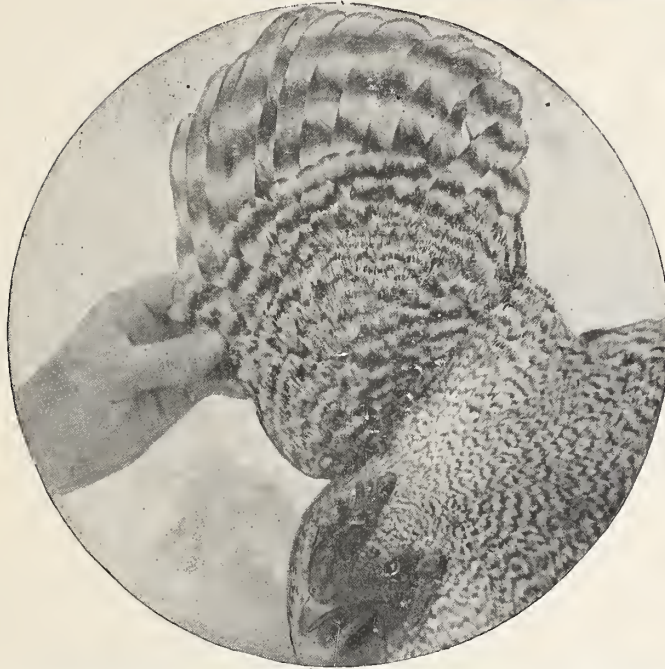
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Dear Sir:—I bought some eggs of you some years ago, I like the stock better than from any I have been able to get since. Please send me catalogue and prices. Yours truly,

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Wing of "Match Mark Prince" at the head of one of our breeding pens.

Match mark Prince is a most remarkable bird in color and Markings, Clear, even surface color and nearly perfect in Eye, Comb, Legs and Shape. We value Match Mark Prince at \$100.00 on account of his valuable breeding qualities, mated with high scoring 'Blue Bird' hens and pullets. A limited number of eggs from this mating at \$4.00 per 13; \$7.00 per 26.

the coming season are made up of the finest and most beautiful specimens in each variety we have ever used. These yards are selected from over **1,000** fine birds, and contain large, well matured and vigorous specimens, nearly all of them prize winners. We pack eggs in new baskets, and in such a manner that they will go safely long distances by Express, to any part of the continent and hatch just as well as at home. I guarantee eggs to arrive in good order. I have shipped eggs to nearly every State and Territory, and in almost every case with good results, as I send eggs that are fresh and well fertilized by strong and vigorous male birds, and I know a good per cent of them will hatch if proper care is given. Eggs from Barred Plymouth Rocks from such sires as "Match Mark," "Blue Prince 2d," "Hero Prince 2d," "Sweepstakes 2d" "Blue Jay," \$4.00 per 13; \$7.00 per 26. Five other high scoring sires, such as "Prince Lea," "Champion Prince," "High Mark" and "Hustler," \$3.00 per 13; \$5.00 per 26 Eggs from White Plymouth Rocks, Silver and White Wyandottes, White and Brown Leghorns \$3.00 per 13; \$5.00 per 26. Turkey eggs 50 cents each, from eight special matings. Eggs in large numbers a matter of correspondence. Birds hatched from our matings have won the highest honors in every State in the Union.

Choice Breeding Cockerels at \$2, \$3 and \$5 each.

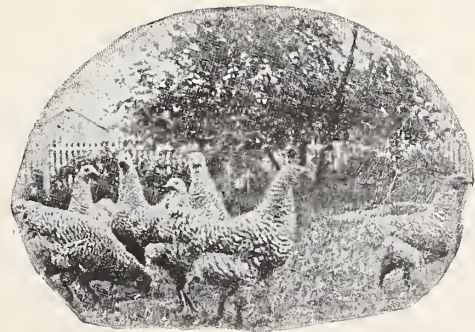
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By actual test at my experimental farm with 500 hens the egg production was increased 30 per cent. This feed will make your Ducks lay in season and fatten your Chicks, Ducklings and Goslings.



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