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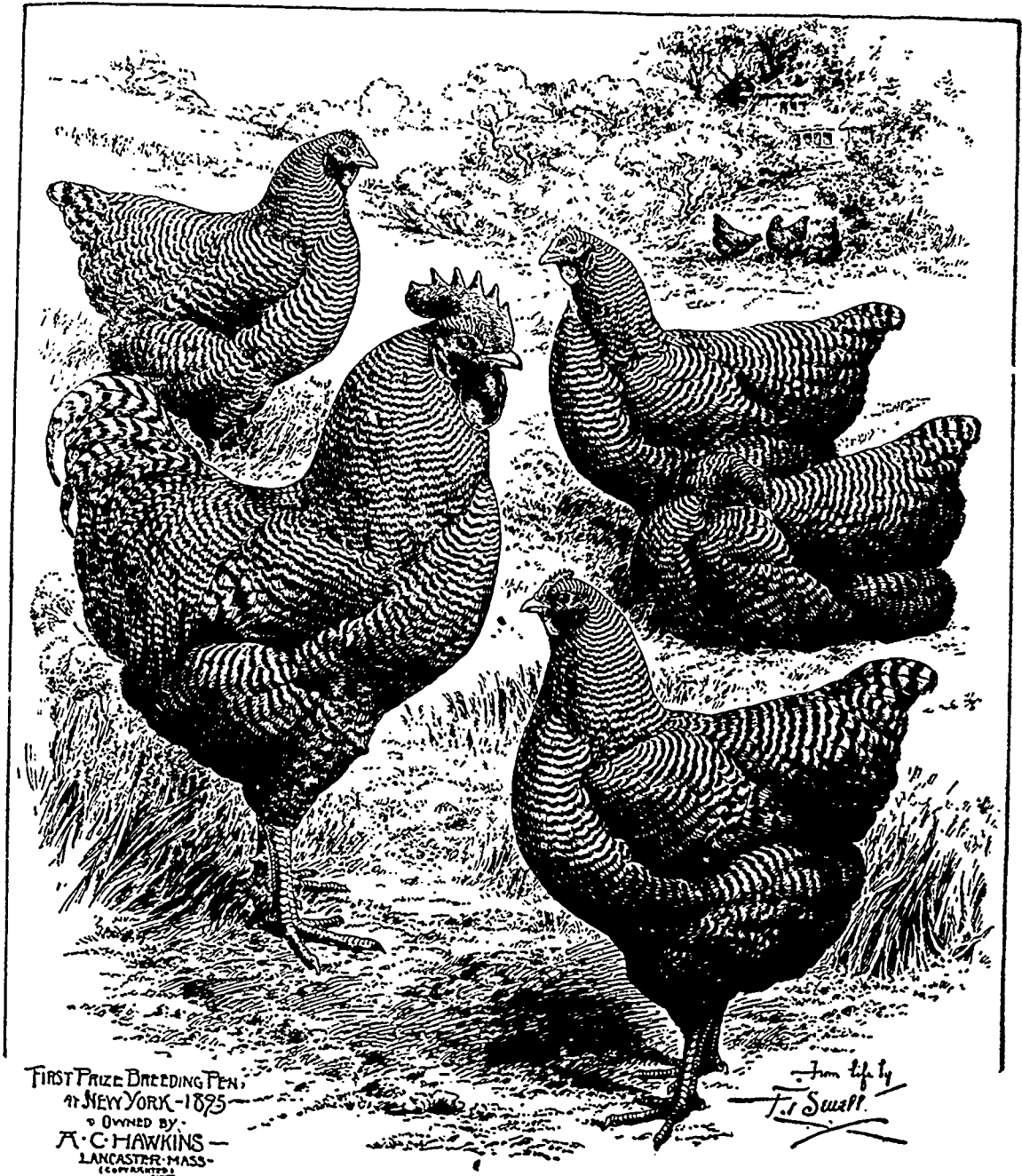
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BARRED PLYMOUTH ROCKS.

THE CANADIAN POULTRY REVIEW

DEVOTED TO POULTRY, IN ALL ITS BRANCHES

For the FANCIER, the FARMER, and the SMALL BREEDER.

Vol. XXI.

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No. 4.

POULTRY AND EGG CULTURE.

HOW TO MANAGE THE STOCK.

BY C. F. WAGNER, TORONTO.

WRITTEN FOR THE POULTRY ASSOCIATION OF ONTARIO.

MY intention in writing this essay is to enlighten the novice who desires to go into the poultry and egg business.

Much is written about the profits made in poultry raising and egg production and about the great markets the world over. I admit the market is great, but the details as to how the stock and eggs are produced are seldom given. It is in minor things that many make serious mistakes, and consequently fail in a good paying business. There is not any money in raising chickens if we begin in May or June, when everybody has their yard full of setting hens. Imagine a vegetable grower expecting to make money out of his hot house in summer. It is when things are out of season that the highest price is obtained and the money made. A poultryman starts to hatch his chickens in December or January and continues along the winter months until the first of May. After that there is very little profit in raising poultry for market. "The early bird catches the worm" every time.

Poultry-raising has a three-fold market, one for fowls raised for consumption, one for egg production, and the other for exhibition purposes, but it does not follow that exhibition birds do not make fine table fowls and layers, as well as being beautiful to look at.

As a rule the novice imagines all he has to do when going into the poultry business is to go to the market

in the fall of the year when fowls are cheapest and buy four or five hundred chickens at forty or fifty cents a pair and take them home and feed them all they can eat, after putting them into a large barn or building without any sunshine in it or even the cracks tightly battened to prevent draughts, and thus he expects to see the eggs roll out by the hundred. Imagine a farmer going to grow vegetables of any kind in winter in a hot-house full of open cracks; naturally it would take a vast amount of fuel to keep up the heat, and just so it is with hens; the colder their house is the more food they will eat to keep themselves warm. Draughts are very dangerous to a flock of fowls, causing colds which often turn into contagious diseases. Should any of the birds take cold and the head swell, the best treatment is to bathe the swollen parts with water as hot as the back of the hand can bear, and give the bird a pellet of two grains of quinine morning and evening. This disease is called roup, and if allowed to run will go through the flock in a short time. "A stitch in time will save nine."

Chickens purchased at the market at the prices stated as a rule are not fit to flock a poultry farm with. Fowls should be carefully selected and purchased from breeders who have had some experience and who keep stock that produces good stock. For instance, a man who keeps a laying class of fowls such as Leghorns, Hamburgs, Minorcas, Andalusians, etc., will in nine cases out of ten have plenty of birds not fit for show purposes which could be bought at very reasonable figures, these birds will produce from 150 to 200 eggs per annum, as these are non-sitters. A pullet that has been bred from a long line of good layers is almost sure to be a good layer herself and should produce good laying stock. Once the fowls have been purchased notes should be taken of the dif-

ferent hens as to how they lay. If one lays irregularly and keeps on doing so, she will be a dear hen to keep. A good hen will lay three days in succession and stop one, and lay again three days, and so on, but a hen that lays one day and skips two or three, is worth watching. A lot of hens of this description would prove to be very unprofitable on a poultry farm.

The novice very often calculates in this way: If a hen lays 200 eggs in a year, one hundred hens would lay 20,000, or 1666 dozens, at an average of twenty-five cents per dozen, which is a low price, as I can get fifty cents per dozen all winter and in the summer I can pickle them, prices being low, and thus hold them over until eggs are high in price. Well, 1666 dozen eggs, at 25c. per dozen the year round would bring in \$416.50. So, if I keep a thousand hens, the food amounting to \$500, will just leave me \$3,665 per annum, a nice round sum. But alas! "It is not all gold that glitters."

It is useless for anybody to go into the poultry business if he has had no experience, just as it is for a man who has not put in his apprenticeship at a trade to try to accomplish what a mechanic has put in his life time at. Begin on a small scale and feel your way. Experience is the best teacher. The bump of observation on a poultryman's head should be very large, as it is in noticing the apparently insignificant things that occur that leads to success.

A novice may notice a hen huddled up in a corner but never give her another thought, where a practical man will at once come to the conclusion she is either sick or she is over-fed, and in nine cases out of ten it will be found that she has been eating more than her share. To remedy this hens should be made to hunt for their living.

There should be plenty of litter kept in the pens to throw the grain into, and thus make the fowls work for their existence.

Indigestion is one of the evils fowls in winter quarters are likely to be troubled with. Fowls should be fed just enough so as to have a little appetite left.

The cheapest food I ever tried was corn which I purchased at a starch mill after the starch had been extracted. I found that my ducks fattened well on it, and it cost but 12 cents per bushel. This could be

used to advantage to feed hens on when mixed in the soft food in the morning for breakfast. Grain of different kinds is used to feed fowls on. Corn at sunset, when thrown into a litter of straw or leaves, or whatever is used on the floor, to make the hens scratch for their food, is good during the winter months, as it is heating and keeps the fowls warm at night. Barley, buckwheat, and occasionally oats, are good in the morning for breakfast. Soft food such as shorts mixed with bran and boiled potatoes, onions, etc., is an excellent change every other morning, but this should not be made sloppy. H. O. mixed with bran is still better and is relished by the fowls. Throw the grain into the litter on the floor of the hen house and shake up with a fork, the grain will get to the bottom where the hens will have to search for it. Cabbage or turnips hung up just out of reach will make the birds work to get it. Meat chopped up fine, or green ground bones, and cooked vegetables, every other day, will keep the hens in good spirits and make them lay more eggs.

Skimmed milk given instead of water to drink will also increase the egg production.

Keep plenty of grit such as oyster shells and mica crystal before the fowls all the time.

The next important duty is to see that the birds are warm at night. Very little artificial heat is necessary in a good building. The heat from the stove while cooking vegetables or soft food will be quite sufficient to take the chill off the air in the hennery. The fowls should have a roosting room or enclosure which could be opened in the day time and cleaned out and closed up at night after the fowls have gone to roost. The largest combed birds will be quite free from frost by treating them thus. A farmer may as well expect to get a crop of grain from frozen ground as to get eggs from hens with frosted combs. The sleeping compartment should just be large enough to comfortably perch the number of fowls kept without crowding them. The perches should be laid on a level to prevent over-crowding. If one perch is higher than the other, the birds naturally get as high up as possible and thus crowd one another. The roosts should be about four inches wide; round perches make a hollow in the breast bone of the fowl, which looks very ugly after the bird has been killed and dressed for market.

Eggs laid in autumn and winter will always bring a

high price. The yield getting greater all over the country, in spring and summer prices are low. During the summer months the eggs should be packed away for use when the hens are moulting. Below I give a recipe for pickling eggs, one which I have found to be good. The eggs taken out six or eight months afterwards are hard to pick out when mixed with new laid eggs, they look so similar.

I found it advantageous to keep the eggs for my own use and dispose of the new laid ones at the highest price.

RECIPE.

To 24 gallons of water add 12 lbs. unslacked lime and 4 lbs. of salt; stir well several times for one day, let stand and settle till perfectly clear, draw off all the clear water, say about 20 gallons. Then take 5 oz. baking soda, 5 oz. pure cream tartar, 5 oz. salt petre, 5 oz. borax, 1 oz. alum. Mix these and dissolve in boiling water and pour these into the 20 gallons of lime water. This will fill a barrel half full. A barrel will hold about 150 dozen eggs. Let the water stand one inch over the eggs, then spread a cloth over the eggs and pour about a pail full or two of the lime settlings over this. Let eggs remain in the liquid till wanted for shipping. Never use the same pickle twice. Don't wait until you get a whole barrel full before you preserve them, but put in a few dozen at a time. The barrel should be clean and free from any foreign taste, so that the eggs will not be tainted. Eggs packed immediately after being collected in the hen house keep better than those exposed to the air any length of time. Eggs are sometimes packed in oat hulls in boxes just large enough for one man to handle, so that they can be turned, box and all without any inconvenience to the operator. Eggs are turned once a day to keep the yolk in its place. Sterile eggs keep much better than fertile ones do, and therefore it is wise to keep the male bird away from the laying hens when eggs are saved for packing. Eggs laid by hens which have been frequently fed on raw onions will be tainted similarly. They are also tainted by other strong vegetables. It is just as reasonable to expect such a result as it is to find milk tainted by the turnips fed to cows.

As this competition is limited to about 1,800 words

I must close. Trusting the hints I have given will be of some use to my readers.

NOTE BY THE JUDGES—Many good points, but again too indefinite. We want experience, tell us what you have DONE.

THE POULTRY INDUSTRY OF CANADA

BY EDWARD WYATT, LONDON, ONT.

WRITTEN FOR THE POULTRY ASSOCIATION OF ONTARIO.

IN no branch of farming is there such a deplorable waste and shortsightedness as there is in this industry—such a large amount of labor for so small a result, and that result, too, of a very indifferent quality.

Farmers of to-day are barely existing who ought to be in comfortable circumstances, while those are barely comfortable who ought to be rich, and this with only the same facilities as they now possess.

The cause of this trouble is, mainly, misapplied labor, going the wrong way to work, toiling over things that don't pay.

The object in writing this essay is to offer to hard-working, practical farmers, some suggestions by which they may increase their incomes, multiply their comforts, and better their positions; to present to them some facts and figures that will bear the closest scrutiny, and to give them a brief sketch of a life spent in "Poultrydom"; a life marked by many mistakes and occasional failures, but also crowned with success beyond my expectations, and cheered by such kindly appreciations and such complimentary notices as are far beyond my deserts.

Some may ask why I wish to record my failures. In reply I would quote an old Scotch story:—An old wife remarked that she "didna think the Scriptures were aye a safe guide, for David was an example to us a' when he was a sinful mon." "Hoots woman," said her neighbor, "David wasna pit there as an example at a'; he was just meant for a lighthouse to warn us off the rocks."

And so if the record of my failures and mistakes will only serve the same purpose, I shall not have written in vain, and I may be of as much practical use

as those who quote only their successes and bury their failures out of sight, making no sign to others to "warn them off the rocks."

Now I don't intend to divide this essay into as many "heads and particulars" as the common everyday preacher of the Gospel is prone to do, but some divisions are necessary and they are chiefly these:—1st, the attitude of the average farmer to the poultry industry at the present time; 2nd, the choice of a good breed; 3rd, the keeping and feeding of them to the best advantage and 4th, the most profitable way of caring for and marketing their produce.

Before embarking in any enterprise, the usual question nowadays, and certainly a very pertinent one is, will it pay? To apply this thought to our present subject: The very first question of importance to be settled by everybody who seriously contemplates adopting the poultry business as a source of partial income, or especially as a sole means of livelihood is 1st, will it pay? and 2nd, a companion question perhaps no less important, is "If so, how much?" The farmer's wife who keeps but a few hens to supply eggs and broilers for the family table will answer the first question with an emphatic "no" and will often be heard reciting some old story something similar to this: "Our hens do not pay for the care and food expended on them, but it is very handy to have a few on the farm to keep the house in groceries and several other little things that would soon run up a big bill if the old hen did not lend a little assistance."

Now Mrs. F.—do you make your dairy "pay" think you? Oh, yes! But say, your cows and hens are two different things? Yes indeed they are. Which requires the most feed and care? Deal with the fowl accordingly; give the attention, variety of food, clean and warm house in proportion to her wants, and I will guarantee it will pay.

So we may compare with any branch of industry, it will not pay if neglected.

The reason of so many failures and decisions "it will not pay, there is no money in it" in the great majority of cases is because there was business enough that required all the attention so that the fowls in consequence were neglected, filth surrounded them, vermin and disease got a foothold, buildings run down, windows either out or glass broken, etc. The final

outcome was that the proprietor said and said truly, "Can't make a cent in keeping hens." Fowls can be kept at a good profit if kept as they should be. Keep as many as can be well cared for aside from other business, and no more. If they cannot have the care and food needed, don't try to keep them with an idea of any profit. It will not pay.

In conversation with a local poultry-man not long ago he said there were three things in poultry farming that cannot be neglected. They are:—1st, facilities, 2nd, feed and water, and lastly but not least, the man.

Now what are facilities? Warm houses, good sized runs, conveniences for both the fowls and the keeper, good stock, working capital and brains. So much depends upon the man. He must be bright and active. He must have brains and energy. He must aim to gain a good reputation so that his goods will always be in demand. He must have regular hours for the performance of his work, and he must do his work well. If he is easily discouraged he had better get out of the business. He must each year try to improve on the one just past.

Now I imagine I hear you say what kind of poultry culture then, will pay. If the beginner commences on too grand a scale, with poultry houses costing from \$6.00 to \$10.00 per running foot with yards and complicated fixtures to match, and stocks up with birds at from \$10.00 to \$25.00 each and "dirt cheap" at that and asks us if it will pay we reply (in our simplicity and with a smile that is childlike and bland) most emphatically no. Well to repeat what kind of poultry culture will pay? I will tell you or at least give you my opinion. It is that branch pertaining to market eggs, and market poultry, if industriously prosecuted with good judgment. Select a good, dry, healthy location for your poultry houses; build them faithfully and well, but don't have them cost more than from \$1.00 to \$2.00 per running foot at the most.

The next question the farmer will put to himself is:—What kind of a house can I build for such money, and where will I put it? Everyone says the hen house should be warm in winter and so do I. If it is not, the extra cost of keeping your flock will soon amount to more than what would put it in a warm and comfortable condition. The difference will soon be seen,

for a hen in cold quarters requires more food, such as corn, which is rich in carbon, in order to keep up the natural heat of the body. There is also much in the site upon which a hen-house rests; it must be dry, for dampness means roup and roup means in many cases death.

An excavation in the south side of a sandy knoll or slight hill affords an excellent location for a poultry house. As a rule when a novice goes to erect one, he will build it just twice as high as it ought to be, making it so much harder for the fowls to heat in cold weather. The need is for something that will house the fowls and keep them warm, comfortable and healthy. The simpler the construction, the smoother and freer from cracks and knot holes the better. All the cracks and knot holes afford places where lice may lurk in countless numbers, and from which it is not very easy to dislodge them; therefore planed, matched lumber is more preferable than that which is of a rougher nature. The amount of sash is another item where the two extremes are too often followed. Provide enough sash, yet do not make the mistake of building a hot house instead of one for poultry. Too much glass means extremes of temperature, great heat at midday and excessive cold at night. One window to each eight running feet upon the south side of the house, and one upon each end will afford plenty of heat and sunshine. Let the north side be windowless, and as tight and snug as shingles or clap-boards and building-paper can make it. In our cold climate it is a wise plan to provide tightly fitting shutters or extra sashes to be put in during the severe winter weather.

Another important feature to be noticed when building a poultry house is, how is it to be floored and ventilated. Some urge ventilation and suggest for the ordinary house the plan of having an opening at the highest point of the roof. My houses are made warm by double boarding with a lining of building-paper in between, but I let the fowls out in the middle of the day whenever the sun shines, and at such times only do I ventilate, but thoroughly clean out the house. If the roosts and floors are kept clean with free use of kerosene or carbolic upon them, there will be no sickness. It is the accumulation of droppings and filth

that produces disease. Make your poultry house warm, clean it out every day, taking great care in saving all the manure to enrich your fruit garden, and give your floor a layer of sawdust or cut straw everyday, and you need not worry about ventilation, especially in the cold weather. In reading the different poultry papers I am always more or less amused. They all contain some good ideas, and also some very poor ones. Recently I saw an article upon litter for floors. The question was asked, "Is sawdust good or is it a detriment?" The reply was by the editor and his advice was not to use it, as he once saw the worst case of crop-bound from it that ever came under his observation. Now there is no doubt that under certain conditions, and those are, if a bird should eat it, it might cause such trouble. My idea is, that it is not necessary for the hen to eat it, and if a common-sense method of feeding is adopted, no trouble will occur. I have bred poultry for the past five years and within that time I have noticed many ideas as to floors, litter for same and feed. I have seen them made of loam, sand and gravel, concrete and boards; and the latter in my judgment, at all times of the year, and in all weathers, is the best. I am not a one-idea advocate, neither do I want others to adopt my plans if they get good and satisfactory results from their own methods, which may be different from mine.

For a feed room, scratching and roosting room, I thoroughly believe a board floor, covered about one inch deep with dry pine sawdust, to be the best possible to have. Nothing equals sawdust as an absorbent, and the pine odor is pleasant and health giving. If you ever by accident have an inch of water settle on a floor (as I have) you sweep out what you can, and then put on dry sawdust, and in a few minutes you remove it water and all and then you have a dry floor. Just such an occurrence as above led me to adopt it as a permanent covering, and nothing that I have seen from its use for the past three years, will induce me to abandon it. With this I have used sometimes dry leaves, straw or sometimes hay. It is not a good idea to use the latter as they will eat it and must in consequence consume more or less filth.

Now having your poultry house all in readiness for your fowls, the next thing that takes your attention

is, What class of fowls will I get to inhabit it. "Many fowls of many kinds for many men of many minds," is an old and philosophical truth. Yes it is a practical fact. It is not the man's clothes which determine his value; if so, it would be true that the tailor and not God created man. Our sweetheart would still be our sweetheart in plain calico but a touch of ribbon here and a bit of color there, add to her attractiveness, but it don't change the woman one bit. So color, plumage, comb, topknots, short feathers or long feathers, a high tail or a low tail, a bit of clear penciling or cloudy shading, a pure black stripe, in the centre of the hackle, or a smoky stripe, blue undercolor, or white undercolor, blue barred to the skin, or only surface barred, red, black, white, buff, or any other color, not one of these has a particle to do with the production of eggs or with the grain of the meat. Thus it is that we can all indulge in our several fancies, as to how our favorite fowl shall be clothed or ornamented, and yet each get our breakfast eggs and fried chicken.

Fatties who are about purchasing thoroughbred poultry and are undecided which variety to select, should carefully study out which will on the whole yield them the most profit. As for myself, I feel confident there is nothing like the buff Cochin for utility as well as beauty. They are sagacious birds, very gentle and good layers. If properly treated you can train them to anything. If you want to change them to another pen there is no difficulty after the first time or two. They are something like a flock of sheep, where one goes the other will follow. Do not think that I am behind to the merits of any other fowl but the buff Cochin. Far from it. "A good hen is a good hen, all the world over, be she whatever breed she may." It is not my object to advertise my buffs, I have no need and no wish to do so in this way; it is better done in the proper channel. My sole aim is to induce people to select and keep only the best poultry of their kinds; to awaken Canadian farmers to the fact that they are not keeping up with the procession, and to show them that every year thousands of dollars which ought to go into their pockets are paid out by England to other countries' poultrymen.

They don't raise enough poultry and what they do raise is not as good as it ought to be, and there is no

excuse for this state of affairs. There is more thoroughbred stock in the country than ever before, and at lower prices. If with all these advantages, Canadians cannot put the poultry products of their country on the footing that really belongs to it, they have no one but themselves to blame. However I want no one to pin their faith to mine. Look about you and make tests and experiments, and then bring common sense to bear on the matter. Only let me warn you of one thing, carry your experiments far enough to be practically sure of your ground, otherwise you will be greatly misled. "One swallow don't make a summer," neither does one experiment prove a thing. In fact the second experiment often contradicts the first. Why is this you ask? Because experiments are so largely affected by circumstances, some of which we know nothing about, and others that we know all about but cannot control. Having determined carefully, which is the best breed for you, and which will best suit your surroundings, and pay the best for their keep, then get the very best specimens of that breed that you can possibly procure. Don't waste your money, but don't haggle about the price of a really first class bird. One dollar saved by purchasing an inferior bird is generally one hundred dollars lost before the year is out. With a convenient poultry-house and thoroughbred stock, poultry will be found not only profitable but a source of pleasure as well. If you can start with a small but choice flock of thoroughbred birds, you are fortunate and on the road to success.

For the best success in market poultry, a combination of egg growing and broiler raising is preferable. Let egg raising be the first motive and broiler raising an adjunct, and there will be less risk to run. In other words it pays better to combine egg and broiler farming than to run one branch, to the exclusion of the other. In order to run the combination no better breeds can be found than the Wyandottes, Plymouth Rocks, Langshans, or buff Cochins, or we might name some of their crosses.

While it cannot be disputed that the Leghorns, Minorcas, Spanish, Anconas, Andalusians, and other heavy laying breeds of the white egg family, will lay the most eggs in the year, it must be still remembered that the most of these eggs, are laid when the prices are on the decline. The reason for this is that the

birds having large single combs, are more apt to have them frozen unless they receive the very best of care. In this cold climate despite the best of attention, large combs will be touched. The Leghorn has but two strong faults—large combs already mentioned, and small size. It lays as many eggs as any breed, rivaling the Hamburg for quantity and surpassing it in weight, and but for the liability of its big comb to freeze, the Leghorns would hold the position of "king of breeds." It has more friends perhaps, even with its drawbacks, than any other breed. For these reasons, the Plymouth Rocks, Wyandottes, Langshans, and early hatched light Brahmas and buff Cochins, are more especially recommended for us in the north. In the south where the winters are more mild, the Leghorns, Minorcas, and that class in my opinion, should do very well. The smaller the combs the better guarantee for winter laying. One egg in winter is worth from three to four in the summer so that the quantity of eggs in the year is not so much in value as the bulk of them in winter. Light Brahmas, as fowls, however, are not usually good birds for an egg farm, but early hatched pullets from carefully selected egg strains will lay a good many eggs in winter. A good white Wyandotte cockerel crossed upon light Brahma hens will give good, early, maturing broilers, as well as excellent winter layers. One point gained by this cross is a rugged constitution, while another is the absence of the large comb.

Mr. A. G. Gilbert, manager of the Experimental Farm, in his evidence before a select committee of the House of Commons a few years ago, says he would recommend the average farmer to raise Plymouth Rocks. He considers it the best fowl for them, closely followed by the Wyandottes. He says it costs no more to feed a hen that lays a large egg than one that lays a small one. That a dozen Leghorn eggs weigh one pound and ten ounces, black Spanish, one pound and eleven ounces, and the light Brahmas, one pound and thirteen ounces, but when confined they would only weigh one pound nine and a half ounces. He calculates a hen will eat a bushel of grain in a year, and puts the price at a cent a pound. All hens should be supplied in winter artificially with the same as they would pick up, when running around in the summer time. He strongly recommends farmers who make a business of selling eggs to do away with the male bird

except in breeding time, as the unfertilized eggs will keep very much longer.

An important factor, which needs careful consideration, is how and when farmers should dispose of their surplus stock. Recommendations are invariably being given that for shipping purposes, the killing should be done by cutting in the roof of the mouth, while the fowl, be it chicken or turkey, is suspended by the legs, making it impossible for any mutilation to be seen on the outside, or for the feathers to be soiled by the blood. This is held to be a painless method of killing. It also bleeds the fowl completely, if the cuttings are made lengthwise, and across, and deep. In every case the bird should be fasted for twenty-four hours or longer before killing. Cases are said to have occurred where poultry have arrived in England in a very damaged condition, caused by the fermentation of food in the crops, and intestines, spoiling the whole of the birds, and making them unfit for human food. The English buyers prefer to receive the birds in the feathers, and not drawn, and many of them want the birds alive. Of course the farmers will have to meet their preferences and send the birds in the condition in which they prefer to buy them. Special care should be taken to keep the feathers clean. The birds should be cooled before being packed in boxes. If they are started right they can now be carried so as to arrive right.

Now in conclusion I would say again if you are thinking of going into the poultry business, go in for the very best stock you can procure, it will save your years of study, trouble and disappointment. Go to the poultry shows, show your birds and see what others are showing too. An amateur can always use the fall county shows to destroy or confirm his own views of his own stock, and if his ideas and those of the judge coincide, he prepares for the winter exhibitions, prepares to learn how and what others have been doing during the season, and where he has been idle. No amateur can get along and breed good birds without showing his stock. He will learn more in this way than he possibly could by a considerable amount of study at home. True he may have some of the conceit taken out of him, but if he is not easily discouraged a defeat will only be an incentive to him to try and have better birds next time, by correcting their faults in his next matings, so that if he and his

rival ever meet again the birds that win will have to be better than they were before. This showing one's bird's together with the use of a little printer's ink will do much in helping the breeder in disposing of his surplus stock. There is no better advertisement than to have your fowls take first premiums at the leading poultry shows, or at some county fair, and then letting the people know it. Make your advertisements speak the truth boldly, and people will appreciate your frankness and respond. Aside from this the young poultry-man should subscribe to one or two of the leading poultry papers of the country. Post yourself by reading, and visit as many practical poultry keepers as possible. Glean as many ideas as can be found; then carefully sift them; cast aside the chaff and preserve the sound grain, for let it be understood that there are always some chaffy ideas. The wisest and most sensible men have some points upon which they are often "a little off." Do not, beginner, branch out too largely the first season. Work prudently ahead and you will not leave behind you a blank instead of

"Footprints on the Sands of Time."

NOTE BY THE JUDGES.—This paper is a good one but has the too common fault of trying to cover too much ground. It is too general and does not give details.

PETERBORO' POULTRY AND PET STOCK ASSOCIATION.

EDITOR REVIEW

AGAIN write you to let you know that our Association is still living, although we had a deficit to face, we believe through holding a dog show in connection with the poultry, but we have now dissolved partnership with the dog fanciers, and intend to run our own show from this time forward. We have fixed our dates as far as we can do for 1899. We have decided to hold our show the week after the Ontario in Toronto, commencing on Tuesday, continuing on Wednesday and Thursday. I let you know this so that others will know our dates and govern themselves accordingly. We expect a great deal better show next year as we have promises of much larger support from the outside, and we have paid all our prizes in full, and have a good, live board this year, we expect to excell anything outside of the cities.

Yours truly, W.M. COLLINS, Sec'y.

Peterboro' Mar. 21, '98.

THE TORONTO POULTRY, PIGEON AND PET STOCK ASSOCIATION.

THE regular monthly meeting was held in Temperance Hall, Thursday, March 10th, with the President, Mr. Konnick, in the chair. The minutes of previous meeting were accepted as read.

In revising the Industrial prize list the members made the following suggestions: That white Javas be struck off the list. That Orpingtons be added. That double the number of bronze medals be given instead of the present silver medals. In the breeding pens, that separate pens be given to barred white and buff Rocks, buff, white and black Wyandotte.

The Secretary was instructed to have a tabulated form printed of all the meetings of this year, also all varieties on show each month, and judges, instead of the monthly notification by post card.

Mrs. Shales gave a very interesting talk on how she set hens and raised chicks. Mrs. Shales' brooder, made by herself, with the jar much in evidence, was pronounced excellent.

Mr. Blythe, the veteran Leghorn breeder, gave a very interesting address on the merits of the white and brown Leghorn.

Mr. Essex, who judged the buff Leghorn class, gave the breeders present some useful information.

The following birds were on exhibition and prizes awarded as follows. Langshans, 1st cock, 1st pullet W. M. Temple. Buff Cochins, all prizes awarded to Dr. A. W. Bell. Buff Leghorn pullet, 1st A. J. Burrows, 2nd F. C. Coulter. W. or B. Leghorn cockerel, 1st W. Davidson; pullets, 1st F. Travers, 2nd W. J. Wolf.

R. DURSTON, Secretary.

CARING FOR POULTRY MANURE.

The litter from the poultry pens and the droppings make excellent fertilizer for grass and corn. The droppings should be removed every few days and the litter as often as it gets foul or wet. Poultry manure is never worth as much as the day it comes from the hen-house. Use it then, if possible, but, if it must be kept, keep it moist.—E. Randall, in American Agriculturist.

PHEASANT CULTURE—FROM EGG TO EGG.

WRITTEN FOR THE REVIEW
BY

T. SHANNON MCGILLIVRAY, M.D.C.M.,
(QUEEN'S UNIVERSITY), M. C. P. & S. ONTARIO,
AND LICENTIATE OF STATE UNIVERSITY, ALBANY, N. Y.



IT is surprising why the most beautiful, interesting and profitable of all the feathered tribes should be so little

known until recently to the fanciers of America. But when we consider that the home of the Pheasant is China, whose animals and birds were almost unknown until the famous Chinese wall which isolated that country from the rest of the world was battered down, it is apparent why the introduction to this country of pheasants has been so long delayed. Since that event commerce has slowly wended its way into the most remote parts of China, and been the means of giving to Western countries the richest, rarest, loveliest and most gorgeously plumed birds that adorn the earth. For when we take into consideration that there are about twenty distinct varieties of pheasants, all of them as rich and varied in color as the rainbow, all very beautiful, yet the different varieties widely differing from each other in their styles of grace and beauty, there can surely be found in the pheasant tribe an ideal bird to suit the taste of every fancier, no matter how versatile.

Importations of the Mongolian pheasant into Oregon which have proved such a marked success and profit to the farmers and keen delight to the sportsmen, have stimulated other States and individuals within the last few months to import many new and rare specimens.

As pheasants have undoubtedly come to stay, it behoves us to keep pace with the times and to at once begin to educate our readers in this most pleasant and profitable industry, which is at present showing such rapid progress in many parts of Canada and the United States. It is only a very few years since the

Mongolian pheasant was introduced into Oregon, and in order to show the progress they have made, we here reproduce a letter written by the Game Warden of that State :

Portland, Ore., Nov. 3.

The Mongolian pheasant continues to thrive and increase in this State, where they were first introduced as a game bird on the American continent. This increase is the more remarkable because of the failure of the Legislature to provide adequate laws and funds for their protection. They have become the favorite market bird in this city, over 10,000 having been sold here last year during the one month that market sales are permitted by law—Oct. 15 to Nov. 15.

There is a great demand for these birds, for stocking purposes, from nearly every State in the Union, scores of letters being received at this office every week, making inquiries as to their habits, and how they can be obtained. The demand has now become greater than the supply, as only birds bred and raised in confinement can be legally shipped out of the State, and then only upon affidavit of the shipper that the birds are such as to entitle them to shipment.

I have no doubt that the effort made by your Commission and other enterprising men, to stock your State with this, the greatest game bird on earth, will prove successful. All that is necessary is wise protective laws, strictly enforced, prohibiting their killing for five or six years, to thoroughly establish them.

Your climate is colder than ours, and the environment in your State not as favorable for their rapid increase; but they are a hardy, prolific bird, and I feel confident that they will gain a foothold if given a fair chance.

HOLLISTER D. MCGUIRE,

State Fish and Game Protector, Oregon.

With all due respect to Mr. McGuire concerning the comparison of this country with Oregon, we believe the East has equal if not superior advantages. Pheasants can stand the coldest of climates, but they suffer much from wet. This country is cold, but Oregon is wet, and we think the odds are in our favor.

December number of "Birds" (a Chicago publication) has a well written article on the Ring Necked Pheasant, from which we copy this extract referring to the State of Ohio. "A law has been enacted forbidding the killing of the pheasants until November

15, 1900. Two hundred pairs liberated last year increased to over two thousand."

When we take into consideration that a hen pheasant will hatch a covey of from eighteen to twenty-four young birds from each setting, the result is not greater than might be expected. In the same article in "Birds" a prediction is made that the Mongolian pheasant will in the Western States take the place of the prairie chicken, and in the East the quail and common pheasant, by which is meant the ruffed grouse (partridge.)

Massachusetts has also spent several thousand dollars in stocking that State with pheasants, and the report which is before us is very encouraging.

We come now to our own country, Canada. A few years ago there were a number of Mongolian pheasants liberated in the Province of British Columbia. They have bred so rapidly that they now outnumber all other game. So great has been the success, that though the law provided protection until 1900, it was so amended to allow the killing of male birds for a month this past fall, and many hundreds of them were shot.

Two years ago a pair of pheasants escaped from a gentleman who resides in the country near St. Catharines, Ont. A year ago last fall one large flock was seen near where the birds escaped, proving that they could find feed and endure our winter.

This past fall several large flocks were seen in the same place, showing that they increase as the English sparrow did after being imported into this country several years ago. Our highest hope is that the pheasants will prove as great a blessing to this country as the English sparrow has a curse.

From the last report of the Game Commissioners of Ontario we print a small extract of their recommendation to the Government in relation to pheasants:

"We have felt no small degree of pride in endeavoring to keep Ontario abreast of the times in this respect, and it is humiliating to us to see other and less pretentious States far in advance of our Province in thus encouraging the introduction of birds which would not only furnish delicacies in the way of food supply, but also tend to beautify the country, make it more interesting, and furnish an incentive for business men and others to take healthful recreation and

exercise. This work must be done in order to replace the native birds, which in many cases are becoming practically extinct, and which cannot be restored by propagation or otherwise.

"We say plainly that we feel no compunction in asking that a certain amount of money be devoted to this laudable object, because now that the work of the Game Laws is about self-sustaining, we feel that the Government should devote some of the moneys to this end."

It is more than likely that the Ontario Government will act on the above recommendation and appropriate a handsome sum of money to stock Ontario with English and Mongolian pheasants. The birds to stock Ontario should be bred by Ontario fanciers, if they can supply the demand, as they will then be acclimated, and one such bird is worth two imported from a warmer country. Besides other things being equal, we do not think a prudent Government will discourage our own honest industries by purchasing pheasants from the people of a foreign nation.

HATCHING THE EGGS.

As the season is now too late for purchasing the birds themselves, we assume that most fanciers will commence the pheasant industry by purchasing the eggs. We will here pass over how pheasants' eggs should be packed for shipment, as the eggs when received by the beginner will be properly packed, and will be a better lesson than we could describe.

After the eggs have been received, they should be turned daily until they are put to hatch, whether in an incubator or under Bantam hens. It is better if under Bantams, that the nest should be on the ground and on fine black earth, if possible.

INCUBATORS.

It is easy enough to hatch pheasants' eggs in any good incubator that will hatch hens' eggs, but they must be managed differently. The moisture necessary for hens' eggs would destroy pheasants' eggs. The shell of the pheasants' eggs is much closer grained and not so porous as hens' eggs. If too much moisture is furnished to the pheasants' eggs by the incubator, the chicks will be too large and so crowded in the shell that they cannot get out when the twenty-

four days arrive, which is the time they usually take to hatch. Golden pheasants' eggs sometimes hatch in 22 days.

The Massachusetts Game Commission has been experimenting in hatching pheasants' eggs, and from the report of the Committee to the Government, we reprint the following extract, which speaks for itself:

"From our incubator we obtained a hatch of 95 per cent., and notwithstanding our inexperience, the entire hatch was from 10 to 15 per cent. higher than from the average hens."

There is another argument in favor of the incubator.

The vermin, scabby legs, and other diseases which the young pheasants are exposed to when hatched under hens, are avoided.

BROODERS.

Outdoor brooders are not desirable for the work, as the sudden changes of weather render it impossible to maintain an even temperature, and it is inconvenient to give the chicks proper care in stormy weather, while the high winds cause the temperature to fluctuate and sometimes set fire to the brooders.

The result of the exhaustive investigation made during the past season, has led to the construction of a brooder house, partly covered with glass, for the protection of the young birds during wet and cold weather, and equipped with brooders that are self-regulating and even in temperature. There is no guess-work about it; the temperature once established, can be sustained with very little care.

Our investigations and experience warrant the conclusion that with proper incubators and brooders and the scientific plan of feeding the young, which we will now explain, nine-tenths of the cost and labor in raising pheasants may be saved, as well as saving the lives of 99 per cent. of the young pheasants.

FEEDING THE YOUNG.

We now come to by far the most important of all pheasant culture—feeding the young. We have before us many methods of feeding young pheasants, but we will give as a sample of one of the old methods, the bill of fair laid down by George Horne, an English gentleman of large experience in raising pheasants, who is also the author of a most excellent book on pheasants entitled "Pheasant Keeping for Amateurs."

"Rice well boiled, (not sticky) chopped onions and their tops, crushed hemp, a little pepper, baked bread-crumbs, well ground. Sprinkle the food with a little iron tonic, and let the whole be mixed till quite dry. Never let it get sour, or be left from day to day: only put enough the last thing at night for early breakfast. Do not forget the younger the birds, the more custard."

Another way young pheasants are raised in the Old Country is by hanging sheep's pluck, beef's liver, dead rabbit, or in fact flesh of any kind, up in the sun until it becomes full of maggots. The flesh is then shaken, and as the maggots fall to the ground the young birds eat them. This food combined with ants eggs, onions and lettuce, has proved fairly successful in raising young pheasants. We tried it, but the smell of decaying meat was so disagreeable, that we were forced to abandon it. Being firmly convinced that there is no food for young pheasants equal to the larvæ of flies, we next partly filled some barrels with sawdust and sunk them in the earth. The tops of the barrels were covered with wire mosquito netting and in the centre we made a quarter inch hole, putting over the hole a bulbous fly trap. We got from our butcher some sheeps' plucks, livers, etc., as required each day, from the day we commenced to set pheasants' eggs. After first being hung up until well fly blown, we put a pluck or a liver into a barrel. We arranged it in this way so that a batch of flies would hatch each day as a daily supply for the young pheasants. The flies first turn into small maggots, which in warm weather soon grow full size, and then change into the pupa state, which looks like very small black beans. They remain in this state for some days, and then from the pupa emerges a full sized fly, which sees the light at the top of the barrel and crawls up, passes through the small hole and into the common bulbous fly trap on top. We have had these fly traps from one barrel almost filled with flies four or five times a day. We just pass the fly-catcher full of flies over hot steam which kills them. The fly-catcher is made to part in the middle, and we turn out the flies, and the young birds will have a scramble. They enjoy them very much. There is but very little smell from the barrels, if kept covered with cloth over the fly screen, excepting the hole through which the flies

get into the trap. In this way we raised every young pheasant except one, which met with an accident. The birds were strong, fat and rapidly feathered, and at six weeks old were just twice the size of some pheasants of the same age that we had raised for us by an Englishman and after the old English plan. 40 per cent. of the birds raised according to the old way of raising pheasants die.

There is one thing must not be lost sight of. It is the fact that flies lay their eggs and then die, and if their increase is not provided for, the whole neighborhood would become exhausted of them. To keep up a good supply of breeding flies, we let go a trap full alive about every second day.

SCIENTIFIC METHOD.

Our investigations in ornithology and especially the study of that twenty or more varieties of birds commonly called pheasants, has forced upon us the absolute necessity of further investigating the most natural food for these birds. This leads us to leave ornithology for a time and wade into entomology to study the particular kinds of flies and their culture that produce the larvæ which is so very essential to the lives of young pheasants.

The first we will describe is the most common and is called the blue-bottle fly (*Lucilia Cæsar*). The females hibernate in sheltered places, and emerge with the warm weather to deposit their eggs (fly-blows) on animal matter. These soon become maggots, and during a period of only about 15 days in warm weather, from the time the eggs were deposited on the flesh, it will have changed into a maggot, then pupa, from which emerges a full grown fly. Single females of the blue-bottle kind have laid 74,143,223 eggs. Mr. Kirkland of the Board of Agriculture of Massachusetts has estimated the product of one female fly for ten generations, and states that roughly speaking this product would make a belt of flies two hundred miles wide around the entire globe, so great is the reproductive powers of this insect when not destroyed by its enemies.

The flesh fly (*sarcophaga carnoria*). The peculiarity of this fly is that the females after being fertilized, retain the eggs until they are hatched. They deposit large numbers of living larvæ on exposed meat. They are not so pentiful as the blue-bottle, but they are

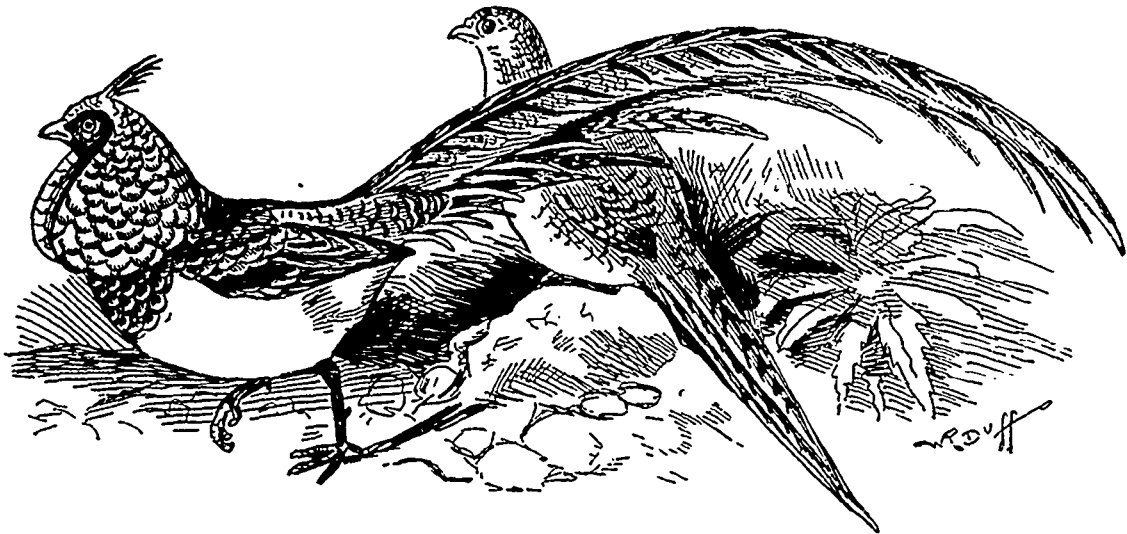
more desirable for pheasant food, as their maggots are larger. It is therefore advisable to favor the production of the flesh fly. This may be accomplished by allowing occasionally a few quarts of maggots to pupate, and as the pupa of the flesh fly is much larger than that of the blue-bottle, they may easily be separated by a sieve that will allow the pupa of the blue-bottle to pass through but will retain the other. Allow the fresh flies to hatch out and go at liberty for breeding flies. In this way a fine supply of the most desirable breeding flies can be obtained.

There is another fly which breeds in animal matter and furnishes some food for young pheasants. It is called the blue-tailed fly (*Calliphora vomitoria*). It is not of sufficient importance to further describe it.

There is a wide-spread belief that maggots are disgusting, stinking things. Our investigations and study of entomology prove to us that maggots separated from their usual surrounding are just as clean and odorless as young chickens, goslings, etc. Flies do not lay their eggs on tainted meat when fresh meat can be found, and maggots are clean feeders from choice and thrive best on fresh meat. This being the case barrels full of the flesh fly maggots may be produced without the slightest odor, and not hundreds but thousands of young pheasants may be raised without difficulty or any great mortality on the following plan. Feed the maggots twice a day on very thinly sliced fresh meat. Learn what they will eat up cleanly and feed them no more. The assimilating power of the maggot is so great that it can change every particle of meat to maggot without leaving any residue, consequently there can be no smell. Sheeps' plucks, livers, etc., can be purchased at the butcher's for a trifle, and turned into maggots in this way; blood is also good food for maggots.

To provide for cold and wet weather when flies are not out, place a bushel or two in a refrigerator, at from 40 to 45 degrees. Development is suspended, and they may be kept for weeks. In the case of a scarcity of full grown maggots caused by cold weather, put the undeveloped into an incubator at 90 or 95 degrees, and development is hastened.

In breeding maggots care must be taken to keep them covered with woven wire fly netting to protect them from a very large winged bug which would otherwise get in and destroy them by the hundreds.



THE ABOVE CUT REPRESENTS A PAIR OF CHAUTAUQUE PHEASANTS NOW IN THE CANADIAN PHEASANTRY, HAMILTON, ONT.

After the first thirty days, the maggots may be safely withheld, and the wings of the young birds clipped in a way we will later describe, and the birds turned into a field of grass, and fed for a time on scalded grain, then any kind of grain, grass or vegetables, and the danger to life is over. The field should have a fence six or seven feet high—seven feet is better—and care must be taken that no brush or anything else is left so close to it as to enable the birds to jump up, and with a second jump reach the top of the fence, then over.

From preference pheasants roost where they can see the sky above them, and if no provision to prevent this were made, they would willingly and very persistently expose themselves to every rain storm. This can easily be avoided by leaving not a vestige of brush or any place to roost, except under sheds covered over on top only with convenient and tempting roosts.

The birds when they can find no roosts elsewhere will be forced to go under shelter. They may be left in this field all winter, and their feed after the first few weeks is of little importance. They may be fed a little corn, wheat, etc., until the snow comes, but if they are turned into a good fresh orchard or other

field where no pheasants have previously been, they will eat but little grain of any kind until the snow hides the grass from them. Grass is as much the staff of life for the pheasant as bread is for man, and for this reason twelve of them would not eat more grain than one barnyard fowl.

At four months the males and females are better put in separate fields, and if the birds are not pinioned, their wings must be attended to every two weeks until they are four and a half months old, at which age they receive the last of their adult pinion feathers, and if well clipped then, will need no more attention until they moult the next fall.

In order to clip the wings the birds must be caught, which to a novice is no easy task, besides he is apt to pull their feathers out. We use a common dip net, which was made for catching fish in the rapids. The hoop upon which the net is fastened is about two feet across, and the handle eight feet long. We can pick up any bird we want without the slightest difficulty, and as for young ones, we dip up half a dozen at a time. No pheantry can afford to be without a net of this kind.

(TO BE CONTINUED NEXT MONTH.)

RHODE ISLAND EXPERIMENT STATION AND
AGRICULTURAL COLLEGE.

BY H. S. BARCOCK, PROVIDENCE, R. I.

AT Kingston, R. I., twenty-seven miles by rail from Providence, are situated the Rhode Island Experiment Station and the Rhode Island Agricultural College. These two institutions, while under the same general management, are separate and distinct. At the former the work is purely experimental, and in its poultry department some valuable experiments, begun by Mr. Samuel Cushman and continued by Mr. Flagg, are in progress. The principal ones are upon the crossing of various pure breeds of geese, to ascertain whether for practical purposes crosses are superior to the pure breeds or not, and which crosses are the best for the various uses to which the young geese may be put. In the course of a year or two the results obtained will be published in a bulletin from the station, and we predict it will be of great value to geese raisers.

The Agricultural College has also a poultry department, not yet fully built up, under the charge of Prof. A. A. Brigham. At the time of our visit there, April 12th, 1897, Professor Brigham had out about four hundred chickens of various sizes, from two and a half pounds down to those just hatched. There were in operation five or six incubators in the new incubator cellar, and the probabilities were that the number of chickens would be greatly increased. At the present time the stock consists of Rhode Island Reds, white Wyandottes, barred and white Plymouth Rocks, light Brahmas, buff, white and brown Leghorns, a few white Indian Games and Pekin ducks. Other breeds will be added as opportunity affords, until it will be possible to see at Kingston representatives of nearly every recognized breed of domestic fowls.

While more or less experimenting will probably be done, it is the purpose of the College to keep these fowls for practical use, to provide eggs and poultry for use at the dining hall, and possibly to furnish to others any surplus which may be obtained. But the fowls are to serve another and important use they are to be factors in the educational work of the College. The design is, if sufficient funds can be obtained for the

purpose, to carry into effect the ideas which this writer suggested some time ago in these columns, to give instruction to the students in poultry keeping. The plan, when fully matured, will probably consist of a course of lectures, with demonstrations, upon the embryology, physiology, hygiene, pathology, mating, judging and marketing of poultry, so that a graduate from this College can become a thoroughly informed poultry keeper if he desires. Instruction, it is expected, will be given not only by the resident professors but by various prominent experts. In a word, the plea for higher poultry education which we made some time ago bids fair to be realized in the State of Rhode Island. Since writing the above the College has commenced such a course of instruction. It is recognized by the management of the College that, here in the East, poultry keeping is an important industry, that it opens for young agriculturists an opportunity to obtain a better living than can be obtained from raising general crops, and that by its use lands now considered of small value will become profitable to their owners, that the State will be made richer through the utilization of waste lands and the increased value of the products. To accomplish such results will be a noble work and those who planned it deserve all the encouragement possible to be given.

The State of Rhode Island has been liberal to the College in the past. There is soon to be erected a new building, for which the State has appropriated \$45,000. But even greater liberality will be required to realize all the plans which are now but dimly projected. But money spent on such an institution is wisely employed. It is bread cast upon the waters which will return after many days. If, for example, the plans of Professor Brigham are carried into effect, and a complete poultry establishment is built up and the needed instruction is given, in a very few years, through the increased value of the tracts of land devoted to poultry keeping and the increased value of the poultry products, the State will receive back both principal and interest on the money needed to do this work.

It will pay anyone who has an opportunity to do so, to visit this institution, or rather these institutions. Who ever does so will be assured of the most courteous treatment from Dr. Washburn, the President, Professors Brigham and Flagg, and indeed from everyone

connected with the management. On the day of our visit Professor Flagg was away, but we were shown every possible courtesy by the President and by Professor Brigham. The better one knows the work doing there the more he will appreciate the golden opportunity that such institutions afford.

Rhode Island has been the pioneer in many things, and unless some other State makes haste to rob her of her laurels, Rhode Island will be the pioneer in higher poultry education. But we trust she will be followed in these plans by other States, because we consider the subject important and practical and we know that it has been neglected all too long.

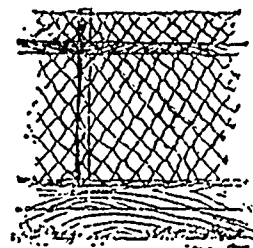
OWEN SOUND AND COUNTY GREY POULTRY,
PIGEON AND PET STOCK ASSOCIATION.

OUR Association met in the Comely House, Owen Sound, on Tuesday, March 8th, when the following officers were duly elected for present year:—Patrons, Hon. Wm. Paterson, M. P., Geo. M. Boyde, M.P., Jas. Cleland, ex-M.P.P., Mayor Thomson, Jas. Lauchlan, Chas. Gordon, W. A. Bishop, D. Comely; Hon. Pres., John Chisholm; Hon. Vice-Pres., John Miller; Pres., Harry Wright; 1st Vice-Pres., W. T. Lee; 2nd Vice, T. W. Douglas; 3rd Vice, Frank Gorwood; Sec., R. R. Cameron; Treas., Jno. Ramsay; Directors, J. Davey, J. Hart, H. Wright, Jr., P. Grier, J. Grimoldby, J. C. Benner, Geo. Preston, Chas Pratt; Managing Director, Wm. Irving. The auditor's report was read showing a good balance on hand after meeting all liabilities of last show in full. They met again on the 15th when it was unanimously decided to hold our 16th Annual Exhibition some week in December next and the Secretary was instructed to communicate with judges. The newly elected officers who are all old experienced heads in the Association are determined that no stone will be left unturned to make this next show far surpass any of its predecessors and the officers of the Ontario will have to get a hustle on if they don't want to take second place in the shows of next winter. Exact dates will be given next month and full particulars advertised in due time in the great C.P.R., that is the CANADIAN POULTRY REVIEW.

ROBT. R. CAMERON, Secretary.

PROPER WAY TO CONSTRUCT A POULTRY FENCE.

POULTRY netting is now so cheap that it has come to supersede all other kinds of poultry fencing. Where yards are constructed side by side, it is well to have a couple of feet of boarding at the bottom, especially if cocks are to run in the yards. The common plan is to drive posts, nail on the boards at the bottom and a rail at the top. The result is that the hens see exactly where the top of the



IMPROVED WIRE FENCE.

fence is, and will thus give trouble by flying over it. If the rail is placed a foot below the top, as shown in the sketch, this trouble will be obviated, as the hens will be greatly deceived as to the position of the top—a hen not having the most remarkable of discriminating powers. The rail in the position shown will properly brace the fence, and give all needful rigidity to it.

MR. BROWNE'S REPORT

to the Department of Agriculture for Ontario will contain the following digest of the entry. It shows the number in each class at the late Ontario show: Brahmas, 71, Cochins, 75, Plymouth Rocks, 111; Games and Game Bants, 224, Bantams, 141; Langshans, 63; Wyandottes, 135; Leghorns, 152; Andalusians, 12; Hamburgs, 63, Dorkings, 58; Dominiques, 10; Javas, 37; Spanish, 14; Minorcas, 41; Houdans, 23; Creve Coeurs, 6; La Fleche, 8; Polands, 114; Red Caps, 4; Sultans, 8; A.O.V. fowls, 24; Orpingtons, 13; cross breeds, 6; turkeys, 47; geese, 52; ducks, 67; pheasants, pigeons and rabbits, 210; total, 1,809. incubators and poultry supplies, 1 entry.

HOW THEY FEED IN DURHAM.

EIGHTEEN BIRDS FED FOR TWO MONTHS AT A COST OF TWO FIFTY. PLENTY OF EGGS THE RESULT.

EDITOR REVIEW :

SOME weeks ago I promised to give you and your many readers a description of the premises of the Durham fanciers together with a description of their methods of feeding, etc.

I shall now endeavor to fulfil that promise. The first on the list in the order of magnitude is the plant of Mr. Thos. Brown, the "black Java" man. Mr. Brown has high ideas, which is natural to him as he stands six feet five inches himself. His wife is high, too. They live in a high house on a high hill and hanker after high-class poultry as a hobby.

His poultry house is in a ravine east of the house near a beautiful spring creek well stocked with speckled beauties. A small dam on this stream diverts part of the water through a ditch round the base of the hill on which the house stands to a large, artificial pond in which there are thousands of trout. The water passes through three other ponds all well stocked, and finally reaches another feeder of the creek. But I have wandered away from poultry. His poultry house is 84 x 12 ft. facing the east and has large runs up one side of the ravine. It is divided into seven pens 9 x 12 ft. with 3 ft. passage running the full length of building. Mr. Brown is a spare feeder, giving good, strong food, but in limited quantities, just sufficient to keep the fowl strong and healthy. Their chief winter food has been mixed grain, chiefly oats, thrown in a litter of coarse straw with mangels hung up for them to pick at. He feeds a small quantity of soft feed each morning and has a green-bone cutter and feeds green-bone extensively.

The next in order is Mr. Chas. Leaven's yards. His building is 50 x 12 ft. divided into 6 pens about 8 x 9 ft. in size, with a 3 ft. passage at the back of pens. The pens face the south with large windows giving abundance of light. His fowl look bright and healthy. Brown Leghorns are his favorites and he

has a couple of pens of beauties. We will probably hear more of them in the future.

He feeds a mash consisting of chopped corn, bran and shorts mixed with hot water. Wheat screenings in litter through the day and whole corn at night forms their principal winter rations, with green cut bone about every second day.

My own establishment consists simply of two pens in the south end of my stable with a four foot passage between them. The other half of stable is occupied by a cow and boxes for setting hens. The poultry-house is entered from the cow stable. In the summer I cover the floors with about six inches of fine sand. On top of the sand I keep abundance of hay and straw litter. Oats mixed in the litter forms the principal food and in conjunction with soft feed and green cut bone beats any other grain I have ever used for egg production.

I feed a soft mash of table scraps and bran mixed with skim-milk morning about with green cut bone. The roosts in pens are directly opposite the doors of pens and the droppings are raked out every morning. I have fourteen hens and four cockerels and the cost of feeding the lot for January and February was \$2.50. The number of eggs produced was 34 dozen, market price here 15 cents, and value \$5.10, showing profit of \$2.60, but I received 20 cents for all I sold which would make the extra profit \$1.70 or a total of \$4.30 in the two months. The variety of fowl is barred Plymouth Rocks and black Langshans. Yours,

Durham, Mar. 21, '98.

T. G. HOLT.

FOUND.

EDITOR REVIEW.

I WISH to inform you that through the efforts of the Secretary, Mr. Porteous, in connection with the Galt Poultry Association, he has secured for me the little short face Tumbler that was stolen from my coop at their late show, and for which I wish to express my sincere thanks for their trouble.

Yours respectfully,

ROBT. BURROUGHS.

Toronto, March 23, 1898.

MANITOBA POULTRY ASSOCIATION.

A BIG SHOW—FULL LIST OF AWARDS.

ENCLOSED I beg to hand you a list of awards given at our annual show, which closed Saturday, February 20th. The exhibition this year, both in exhibits and attendance, was the best ever held under our auspices. Mr. Sharp Butterfield judged for us.

Yours truly,

E. MARSTON, Secretary.

PRIZE LIST.

Light Brahmas, cock, 1 Geo. Hanby, 2 Hugh Zavitz, 3 J. W. Higginbotham. Hen, 1 H. A. Chadwick, 2 Chadwick 3 Chadwick. Cockerel, 1 W. F. Scarth, 2 Chadwick, 3 Higginbotham. Pullet, 1 Chadwick, 2 Higginbotham, 3 H. C. Scarth. Black Langshans, cock, 1 Chadwick, 2 S. Ling and Co., 3 Jacob Hillis. Hen, 1 Chadwick, 2 Hillis, 3 Mrs. J. H. Oldfield. Cockerels, 1 and 2 Chadwick, 3 Hillis. Pullet, 1 and 2 Chadwick, 3 Hillis. Black Javas, cockerel, 1 C. Midwinter. Pullet, 2 Midwinter. Mottled, pullet, 2 Ling. Buff Cochins, pullet, 2 W. H. Thomas. Partridge Cochins, hen, 1 and 2 Chadwick. Cockerel, 1 Chadwick, 2 Emery and Bonnick, 3 Chadwick. Pullet, 1 Chadwick, 2 Emery and Bonnick. Barred Plymouth Rocks, cock, 1, W. Rutherford, 2 Chadwick, 3 Zavitz. Hen, 1 J. T. Lawe, 2 J. Todd and Co.. (slight defect in eye); 3 Zavitz. Cockerel, 1 Chadwick, 2 Grundy, 3 Rothnie. Pullet, 1 and 2 Rutherford, 3 Todd and Co. White Plymouth Rocks, cock, 1 S. B. Blackhall. Hen, 1 and 2 Blackhall. Cockerel, 1 Blackhall, 2 Matheson and Co., 3 T. C. Lusted. Pullet, 1 Blackhall, 2 Blackhall, 3 Matheson and Co. Buff Plymouth Rocks, cock, 2 Todd. Hen, 1 Matheson, 2 Todd, 3 Matheson. Cockerel, 1 Matheson, 2 Todd. Pullet, 1 and 2 Matheson, 3 Todd. Pea Comb Barred Plymouth Rocks, cockerel, 2 Ling. White Wyandottes, cock, 1 W. E. Little. Hen, 1 Geo. Wood, 2 Little, 3 Wood. Cockerel, 1 Lane, 2 Matheson, 3 R. Byrnes. Pullet, 1 Wood, 2 Maw, 3 Law. Buff Wyandottes, cock, 1 F. J. G. McArthur. Hen, 2 McArthur. Cockerel, 1 W. D. Lawrence. Pullet, 1 Lawrence, (weight, 8 lbs.); 2 Lawrence, (weighs 6 1-2 lbs) Black Wyandottes, hen, 1 Matheson. Cockerel, 1 Matheson. Black Red Games, hen, 1 Matheson, 2 Matheson, 3 Reid. Cockerel, 1 J. G. Rutherford. Pullet, 1 and 2 Matheson. Golden Duckwing Games, cock, 1 Matheson. Hen, 1 and 2 Matheson. Pullet, 1 Matheson. Black Spanish, cock, 1 Geo. Wood. Hen, 1 Chadwick, 2 and 3 Wood. Cockerel, 1 and 2 Wood. Pullet, 1 and 2 Wood. Black Minorcas, cock, 1 Reid. Hen, 1 A. M. Robertson, 2 and 3 Reid. Cockerel, 1 Robertson, 2 Jos. Denner, 3 Reid. Pullet, 1 Denner, 2 Reid, 3 Denner. White, hen, 1 Reid. Rose Comb Black, hen, 2 and 3 Matheson. Pullet, 1 and 2 Matheson. Silver Laced Wyandottes, cock, 1 S. J. Thompson, 2 McArthur. Hen, 1 Lawrence, 2 Lawrence, 3 McArthur. Cockerel, 1 Lawrence,

2 Lawrence, 3 Grundy. Pullet, 1 Grundy, 2 and 3 Lawrence. Golden Laced, cock, 1 Ling, 2 Reid. Hen, 1 and 2 Ling. Cockerel, 1 Ling. Pullet, 1 and 2 Ling. Indian Games, cock, 1 Matheson, 2 B. F. Hartley. Hen, 1, 2 and 3 Matheson. Cockerel, 1 and 2 Matheson, 3 Hartley. Pullet, 1, 2 and 3 Matheson. S. C. Buff Leghorns, hen Matheson. Red Caps, hen, 1 Zavitz. Cockerel, 1 Zavitz. Single Comb Leghorn, White, cock, 1 and 2 Wood. Cockerel, 1 and 2 Wood. Hen, 1 and 2 Wood. Pullet, 1 and 2 Wood. Rose Comb White Leghorn, cock, 2 Wood. Cockerel, Wood. Hen, 1 and 2 Wood, 3 Ling. Pullet, 1 and 2 Wood. Single Comb Black, hen, 1 C. R. Howard. S. C. Buff, hen, 1 Matheson. R. C. Brown, hen, 2 Ling. Pyle, cock, 2 Jno. Kennedy. Cockerel, 3 Ling. Pullet, 1 Ling. Silver Penciled Hamburgs, hen, 1 Hicks. Golden Spangled, Pullet, 1 Todd. Silver Spangled, cock, Todd. Hen, 1 Rutherford, 2 Todd. Pullet, 1 Todd, 2 Hicks. Polish, W. C., Black, hen, 1 and 2 Matheson. Cockerel, Matheson. Pullet, 1 and 2 Matheson. Houdans, cock, 1 Midwinter. Hen, 1 Midwinter. Cockerel, 1 N. Brown, 3 Midwinter. Pullet, 1 Midwinter, 2 Brown. B. R. Game Bantam, cock, 1 Matheson, 2 Hanby, 3 Higginbotham. Hen, 1 Hanby, 2 Matheson, 3 Hanby. Cockerel 1 Matheson, 2 Thos. Mooney. Pullet, 1 Grundy, 2 Matheson, 3 S. Metcalf. Silver Dorking, cock, 1 Chadwick. Hen, 1 Chadwick. Pullet, 1 Chadwick. Single Comb Brown Leghorns, cock, 1 Todd, 2 Amos Williams. Hen, Todd, 2 Williams. Cockerel, 1 and 2 Williams, 3 Zavitz. Pullet, 1 Williams, 2 Zavitz, 3 Ling and Co., (2 and 3 tied according to judge's decision.) Silver Sea-Bright Bantam, hen, 1 Chadwick. Pullet, 1 Matheson. Golden Seabright, hen, 1 Higginbotham. Cockerel, 1 Matheson, 2 Higginbotham, 3 Matheson. Rose Comb B. cock, 1 Chadwick. Hen, 1 Chadwick. Cockerel, 1 and 2 Chadwick. Pullet, 1 and 2 Chadwick. A. O. V., cockerel, 1 Grundy. Cockerel, 1 Higginbotham. Red Cap, hen, 1 Zavitz. Cockerel, 1 Zavitz.

TURKEYS.

Bronze, yearly cock, 1 Maw, 2 Midwinter. Adult cock, 1 Midwinter. Cockerel, 1 Midwinter, 2 Masters. Hen, 1 Maw, 2 Midwinter. Pullet, 1 Maw, 2 Midwinter, 3 Masters.

GEESE.

Emb'len, old, 1 Midwinter. Toulouse, old, 1 Midwinter, (weight, 52 lbs.); 2 and 3 Maw. Young, 1 Midwinter, (weight, 41 lbs.); 2 Maw, 3 Midwinter.

DUCKS.

Pekin, pair old, 1 Maw. Young, 1 Ling, 2 Midwinter. Rouen, old, 1 Maw. Young, 1 Maw. Guinea Fowls, Pearl, 1 Midwinter, 2 Ling. White Guinea Fowls, 1 Midwinter.

DRESSED POULTRY.

Display of Dressed Poultry. 1 R. Edmonds, 2 O. Simmonds. Eggs, 1 doz. best white, 1 Mrs. Brady. Eggs, brown, 1 Mrs. J. H. Oldfield, 2 Mrs. Brady.

BREEDING PENS.

Light Brahmas, 1 Higginbotham, 2 Williams, 3 Williams. Black Langseans, 1 Ling, 2 Todd and Co. Black Javas, 1 Midwinter. Partridge Cochins, 1 Dr. Black. Barred Plymouth Rocks, 1 Rutherford, 2 Todd, 3 Thomas. Buff Plymouth Rocks, 1 and 2, Matheson, 3 Todd and Co. White, Wyandottes, 1 G. Wood, 2 Little. Black Red Games, 1 Rutherford. Golden Duckwing Games, 1 Aldritt. Black Spanish, Wood. Black Minorcas, 1 Midwinter, 2 Reid. Silver Laced Wyandottes, 1 Grundy, 2 Thompson, 3 Lawrence. Golden Laced, 1 Reid, 2 Ling. Indian Games, 1 B. F. Hartley. Single Comb White Leghorns, 1 and 2 Geo. Wood, 3 Pettit. Rose Comb White, 1 Wood. Single Comb Brown, 1 and 2 Williams. Silver Spangled Hamburgs, 1 Todd. Silver Penciled Hamburgs, 1 M. and W. Cordingly. Houdans, 1 Midwinter. Red Caps, Joseph Dixon.

EXPRESS RATES.

SEND you a clipping from a Montreal paper about freight rates on pure bred cattle. They get for half rates and going to shows they get the same rates. Now I don't see why poultry should not go at the same. They charge double rates on poultry going to shows and return free, they should not charge but single fare the same as the cattle men get. I saw a party last week that got a cockerel from the States and had to pay double rates and 65 cents duty, it cost him \$2.15 to get him here about 50 miles this side of Boston. I think if the Ontario Poultry Association would try the Express Companies, the same as the cattle men, we would get it, that is going to shows if they are put in right coops, we should get for single fare. Yours,

A. THOMPSON.

Allan's Corners, Que., Mar. 14, 98.

Following is clipping referred to.--A.T.

TORONTO, March 7.—Mr. Arthur White, district freight agent of the G. T. R., announces as a result of the conference held on Friday, between the representatives of the railways and the Hon. John Dryden, representing the Agricultural Department of Ontario, Mr. J. I. Hobson, representing the Dominion Cattle Breeders' Association, and Mr. Y. W. Hodson, the secretary of the association, in reference to the rates on pure bred cattle, sheep and swine, that the railway companies had decided to only charge them half fare. Last April a similar request was made to reduce the rates, and the Grand Trunk sent out a circular at that time in which the rates were reduced a third. Mr. White believed it was a good thing to encourage breeding of this kind of stock in Canada, and that was the view the railway companies took of it, and there was no doubt that they would give the breeders all the encouragement possible.

MR. J. L. MARGACH,

who formerly resided in Port Hope, where brown Leghorns were his favorites, is now living in Bowmanville, on a nice little place of seven and a half acres. It is his intention to devote most of his time to poultry, extending his boundaries as may become necessary.

WHAT THE "COCHIN CHANEY" WAS.

WHAT do you think of the following description of the Cochin China, as described by Bob Jennings, V. S., of Philadelphia, in 1864.

"The Cochin China fowl are said to have been presented to Her Majesty Queen Victoria from the East Indies, and in order to promote their propagation Her Majesty made presents of them occasionally to such persons as she supposed likely to appreciate them. The Cochins slightly differing from the Shanghais chiefly in being somewhat fuller and deeper in the breast, not quite so deep in the quarter and being usually smooth legged, while the Shanghais generally are more or less heavily feathered. The cock has a large upright, single, deeply indented comb, very much resembling that of the black Spanish, and when in high condition, of quite as brilliant a scarlet; like him also he has sometimes a very large white ear lobe on each cheek. The legs are of a pale flesh color."

How does this compare with them at present? The Shanghais are the light Brahmas of the present day. When they first came to Canada they were better but not so heavy feathered and not so round or heavy feathered on their legs.

Yours truly, E. H. BENJAMIN.

Ottawa, March 14, 1898.

[Dr. Bell might like a cross of this blood to "improve his stock."—ED.]

STRAY FEATHERS.

I advertised, as you know, two pens of S. C. white Leghorns and one pen of Forbes R. C. Leghorns in your "for sale" column of March REVIEW. I have sold both pens of S. C. Leghorns already and only have the R. C. Leghorns left. So much for the advertising qualities of our REVIEW. One pen went to Quebec. I never change cockerels, what new blood I add I do it through females. I was glad to see I. K. Felch honored at the American Poultry Association meeting, I consider him a veteran in the fancy. I have had several enquiries for Brahmas and have made a couple of good sales.

H. W. PARTLO.

Dorchester, March 19, 98.

I have sold all my other varieties of poultry through my small ad in REVIEW. Sales amounted to \$72.00 which I think pretty good for a small ad, and the REVIEW is to blame for it. Wishing your paper every success, I remain, Yours truly,

Cornwall, Mar. 22, 98. W. ROBERTS.

I won first on both Redcap cock and hen at Peterborough show and not as you gave them.

Hoard. Mar. 20, 98. F. N. HAIG.

I thought I would drop you a line to say my first hen is off; she had 15 eggs, 8 black Minorcas; 7 buff Leghorns and every egg produced a good strong chick. I claim that having fed cut clover hay freely is responsible for such fertility of eggs and would strongly urge all fanciers to look to it this summer that they have a good supply of clover for next winter and they will get more eggs and hatch a larger percentage of chicks and will find that the cost is not more than half.

S. M. CLEMO

Welland, March 21, 98.

My stock is doing as well this spring as I have ever had it and trade has been very good for which I attribute a good share to REVIEW.

R. OKE.

London, March 21, 98.

At our winter show I won second on B. B. R. cock and did not get credit for it. Would you please correct.

J. HAWTHORN.

Brantford.

Would you kindly tell me if any Canadian poultry fancier has ever won the London (Eng.) Crystal Palace \$500 challenge cup, or whether a Canadian has ever won it three years in succession thus making it his own?

W. BURRELL.

St. Catharines, Feb. 28, 98.

(See March REVIEW.—ED.)

In your last issue you omitted to put in the prizes on Pheasants. It will be necessary to say that Dr. McGillivray of Hamilton exhibited eight different varieties of pheasants winning all the prizes in his

class as well as the prize for the handsomest bird on exhibition.

JOHN COLE, Secy.

Hamilton.

My little ad—the first one—has done me good and I send you another for April. The REVIEW is a good advertising medium. Yours,

W. PEMBERTON.

Delhi, March 22, 98.

A RABBIT SHOW IN GERMANY.

THE first opportunity I have had since coming to this country of attending any sort of an exhibition of animals occurred a few days since when the Leisig Rabbit Breeders' Association held its seventh show in a building known as "Mariengarten." The price of admission should not have deterred anyone for it was only 7½ cents, while an excellent catalogue was on sale at 5 cents. A few words of explanation in regard to the catalogue and much will be clear as regards the show itself.

There was a preface to it stating the objects of the Association and pointing out that rabbit culture was not only a pleasant pastime but really in the interest of the people as a whole, as it tended to beget a love for the animal world in general. The last words of this preface are "The welfare of the people." This bit of idealism lends a nobility to a rabbit show it would not otherwise have and this expression is a key to the explanation of much in Germany. Next, the judges, three in number, are announced. Then follows certain notices requesting people in polite terms not to smoke, not to feed the rabbits, not to handle them, etc.

The classification was as follows: 1st, [Giant Belgian rabbits, or more literally translated Belgian Giant rabbits, which as in all classes were divided by sex, not shown in pairs, as should always be the case. The Editor and many readers of this journal will remember how persistently I have advocated such classification according to sex in Canada in the showing of all our animals. But of course that is not always possible without diminishing the value of the prizes. But is it not better in the interests of breeding to do

that? The 1st class was sub-divided into hare-gray and dark gray. The 2nd class was for Giant Belgian rabbits—iron-gray; and the 3rd for the same but of other colors. These correspond pretty well to our "Belgian Hares." The 4th class was for English Lop-eared rabbits; and the 5th for French Lops. Then came Angoras, or as they say Angor rabbits (all one word.) They were very fine, indeed. The 7th class was made up of silver rabbits which were sub-divided into 1, light shade, 2, middle shade, 3, dark shade, and 4, other shades. Next we find Russian rabbits, Dutch rabbits, Black and Tan Kaninchen, (i.e., rabbits) just as I have written it showing how our language with our animal culture penetrates even into Germany. Last of all one finds "German Rabbits and the Different Crosses"

Besides the rabbits there was an exhibition of feed-utensils and a large number of books devoted to the rabbit, as well as articles made from rabbit skins. At the end of the catalogue was an alphabetical list of names of exhibitors, while on the inside of the cover was the announcement of "The Rabbit Breeder, a periodical devoted to the advancement of rabbit culture in Germany, Austria, Hungary and Switzerland, the organ of the German Rabbit Union."

The catalogue gives for each entry the breed, number, color, age, name and residence of exhibitor and the price for which the animal will be sold. The prizes were three in number, with "praiseworthy mention." The Giant Belgian rabbits were so much more numerous than all others that they made the show. I find the catalogue records 116. Of English Lops there were only 18 and so on for the rest of the classes. And such Belgian Hares! I have seen nothing to at all approach them in America. I heard one exhibitor stating to an inquirer the length, weight, length of ears, and age of his animal but I am afraid to quote from memory. I naturally looked about to note the attendance, the sort of men the exhibitors were, the subject of their conversation, etc. I was much reminded of our own shows, except that I heard no one criticising the judge. That, however, may have been got through with before my arrival, which was on the 2nd Jan. (The show lasted two days.)

The conversation turned on qualities, feeding, dangers, etc.

The rabbits were in large cages, made of wood with wire fronts and nicely painted. The bottom was littered with straw and hay, oats (in a heavy cheap earthenware dish that could not be easily overturned), carrots and turnips furnished Bunny with something to occupy his time, satisfy his appetite and gratify his sense of taste.

Among the visitors were not a few children accompanied by their parents. What attracted my attention was the intelligent and interested way in which many of these children used the catalogue. I turned to scan the faces of the exhibitors and whether it was imagination or not I do not know, but they seemed to me to be among the most contented and happy looking men I had seen for a long time. I tried to think of some one we all know in Canada with whom to compare this type of man, but the only one that seems to fill the place at all well is a certain judge of poultry who is such an out-and-out Englishman that I fear even to make the suggestion of resemblance. The nearest to him is a certain well known breeder of Games who is also a very high class thoroughbred as an Englishman—but as they are both so high up in the cult I have no doubt the German rabbit breeders would feel flattered, whatever our English-Canadian friends may think. At all events I liked the faces of those German rabbit enthusiasts "right well" as they say across the lines and as our great William said long ago.

WESLEY MILLS.

Leipsig, March, 98.

Nine times out of ten a half inch of water put in the pans on the morning of the nineteenth day will help the hatch. This is especially true if the weather has been dry and mild during the period of incubation and no water has been used.

Leaving the chickens in the machine at least thirty hours after the last one is hatched will give them strong legs, and make them thrive better in the brooder.—E. O. Roessle, in "The Country Gentleman."

LAMBTON POULTRY AND PET STOCK ASSOCIATION.

(Communicated.)

THE annual meeting of the Lambton Poultry and Pet Stock Association was held at the Jobson House, Petrolea, on Thursday afternoon, March 17th. On motion Mr. J. W. Kedwell took the chair, and F. W. Reynolds acted as secretary pro tem. The secretary-treasurer's report was received and laid on the table.

Moved by Mr. Perkins, seconded by Mr. H. Moncreiff, that the membership fee be raised from 50 cents to \$1.00.—Carried.

Moved by Mr. R. B. Smith, seconded by Mr. W. Kennedy, that the next winter show of the Association be held in the town of Petrolea from December 13th to 16th inclusive.—Carried.

The election of officers ensued and resulted as follows:

J. H. Fairbank, Hon. President; R. B. Smith, President; A. G. Brown, 1st Vice-President; T. H. Mills, 2nd Vice-President; J. W. Kedwell, Secretary; J. Eli Perkins, Treasurer; Jos. A. Jackson, Auditor; Messrs. A. Hill, Wyoming; Jos. Cairns, Camlachie; P. Wellington, Blackwell; — Woodhall, Thedford; W. Atkinson, H. Moon, H. Moncreiff, Petrolea; M. L. Farrell, Oil Springs; also one representative from Forest and Alvinston respectively, Executive Committee; Messrs. R. B. Smith, J. W. Kedwell, Local Management Committee, with power to add to their number; Mr. L. G. Jarvis, Guelph, Judge.

Moved by Mr. H. Moon, seconded by Mr. R. B. Smith, that each membership ticket entitle holder to three additional admission tickets.—Carried.

The meeting adjourned to call of President.

If the enthusiasm with which the local fanciers are imbued is any indication, the second annual winter show of the Lambton Poultry and Pet Stock Association bids fair to be one of the most successful of the year.

MR. R. H. ESSEX, TORONTO,

not satisfied with the home trade, last week sent a shipment of buff Rock eggs to England.

, THAT WHITE ROSE-COMB COCKEREL.

EDITOR REVIEW:

YOU described the color and comb of the R.C.B.L. cockerel with the 2nd prize ticket on his pen. I want to describe the bird that won 2nd at the Ontario. In color he is white, and in comb as I described in March issue. The only, or I may say one solution, might be, that my bird was not in that pen.

Your note suggests another possible solution when you say that you wrote the notes on Friday morning.

Now that you call my attention to the fact, and upon enquiry I find that the 1st cockerel could not score more than 100 points. Still, that great discovery has not convinced me that there was a bird in the show that was entitled to a score of only 76 points or less. Nor that my bird did not receive two just awards by two honest and capable judges. And I would just like to call your attention to the fact that extravagant statements are good arguments for the other fellow.

Very Sincerely,

March 16, 98.

J. L. PAGE.

Mr. Page of course is entitled to his opinion and we are entitled to ours. There never was a Leghorn hatched that could score 96 honest points, four points in 100 short of perfection. Judges are not immaculate else they would now be wearing halos. It is the inflated score card that has in great part brought disrepute on this system of judging. The smaller the show the higher the scores; in keen competition see the "records" drop. There are few birds living of any breed that can honestly go over 92 or 93 if cut as they should be and it takes a good one to reach 90 honest points. The impertinent insinuation contained in the second paragraph we treat with the contempt it deserves.—Ed.

GALT'S NEXT SHOW.

At the last meeting of the Galt Poultry and Pet Stock Association it was decided that we hold our winter show on the 13th, 14th, and 15th Dec. 1898. We would be pleased if you would kindly publish these dates in your first issue.

J. W. PORTEOUS, Secy.

NOTES AND COMMENTS

MR. W. H. KIRBY, OSHAWA,

IS making a specialty of rose-comb black Minorcas, a breed we have not yet seen in a Canadian show room, and is strengthening his yards with blood from the United States.

MR. J. E. MEYER, KOSSUTH,

was in Toronto on the 24th inst. and reports an unprecedented demand for incubators, in fact so great has the sale been that he has had to refuse several "rush" orders. In one week alone twelve orders were received. This is good business.

A GREAT MANY MACHINES

have been passed through the Customs at this port the past season and the Reliable seems to be the favored one in most cases. Artificial incubation is yet in its infancy in the Dominion, but is a sturdy youngster that now promises to make rapid growth.

"ONTARIO" DATES.

The dates for the next "Ontario" show, to be held in Toronto, are January 9 to 14. Peterboro' has claimed the week following.

THE QUEREK SHOW.

Being a subscriber to your REVIEW, I thought a copy of the prizes awarded by our Quebec Poultry and Pet Stock Association would interest you and your readers. It took place on the 10th and 11th inst., and the show was a good one. We expect next year to have double the number. The Rocks, Wyandottes, Leghorns and light Brahmas made a great show. One nice feature of our Association is that all prizes are paid before the birds are removed, which encourages the farmers to show and go in for choice stock.

Quebec.

FRED. H. BENDER.

Mr. Ulley, of Montreal, we learn, acted in the capacity of judge to the satisfaction of exhibitors. We regret a hard and fast rule prevents us giving the awards.

WHAT "BILLY" SAYS:

The March REVIEW to hand and it is a dandy and is full up of good reading matter. This is the best number of the REVIEW yet, and allow me to congratulate you on it. The reports you have given of the shows this winter make the REVIEW equal to the best papers in America to-day, and I can assure you as a Canadian I am proud of the REVIEW, and every poultry breeder in America should have it.

London, March 8, 1898.

W. McNEIL.

Mr. McNeil must be employing a stenographer now to answer his "chicken" correspondence, or else is taking writing lessons, as we notice his usual "hen tracks," which are on about a parity with those of the writer, are absent. Business must be on the "boom."

MR. BENJAMIN WRITES:

When sending my report of the show I omitted to mention that Messrs. Devlin & Jacques, the winners of the Governor-General's cup, entertained the members of the Association residing in Ottawa to an oyster supper. Messrs. D. & J. have a host of friends and it would be hard to find two more popular members. Naturally the congratulations they received when it was known that they had gained the valuable prize were both numerous and hearty.

EXHIBITORS AT WINNIPEG.

are wondering what struck Mr. Butterfield this year. They claim that though their birds are better than last year the scores are lower. Better move that Standard up a notch. Eh! Mr. B.? The day of high scores, sky high, is rapidly passing away.

CHOOSE THE SAME DATES.

We notice that Sarnia and Galt have both chosen the same dates for their next winter show. For the benefit of both one should give way. Which volunteers to do so?

THE NEW STANDARD,

we may say to enquirers, will not, we expect, be ready before September next. Radical changes will appear and this will necessitate the possession of a copy by all who wish to breed to its requirements,



Mr. J. H. Cayford, Box 1,168, Montreal, is our Agent and Correspondent for the Province of Quebec. Any correspondence relating to subscriptions or advertising may be addressed to him.

In William Elliott and Son's ad under "Various" an error appeared where it says "Lost one first or each bird shown." It is corrected in this issue, read it.

J. S. Carter tells something about his Minorcas in his ad, look it up.

Hugh C. McLean breeds but one variety, the new and popular buff Plymouth Rocks. In his ad he gives a list of his wins and says he wants to sell eggs at \$3.00.

W. J. Player is a Leghorn man and breeds buffs and browns. He has winners and offers eggs at a very low rate. See his card in this issue.

Philander Williams' white Cochins are too well known to need praise. He offers birds for sale.

M. V. Decker one of our U. S. advertisers makes a specialty of Indian Runner Ducks. He also has several breeds of fowls and offers eggs for sale.

Fred Broome breeds S.C. brown Leghorns only and has two pens from which he offers eggs. Both pens headed by winning males. Look him up and write him.

Frank Kline sends us a copy of his buff Rock catalogue with a "buff" appearance, in fact it is buff skinned.

A. C. Hawkins manages to hold his own and has successfully bred and exhibited for many years past. He gives part of his recent records in his ad on back cover and it is worth reading. He breeds the popular utility breeds and has them in any quantity. Though he tries REVIEW a bit late in the season we feel sure that buyers will give him a trial.

Advertise what you have to sell, describe it honestly, ship it promptly, and please your customers.

SEND A STAMP FOR REPLY.

Enquires not of a business nature must be accompanied by a three-cent stamp for reply.

TWO SUBSCRIPTIONS FOR \$1.00.

If you send us the name of a new subscriber together with \$1.00 we will extend your own subscription for one year as well as send REVIEW to the new name for one year. This makes it but 50 cents each. The only condition we make is that the name of the subscriber be a new one and not a renewal.

This paper is mailed regularly to its subscribers until a definite order to discontinue is received and all arrears are paid in full.

CANADIAN POULTRY REVIEW.

IS PUBLISHED AT

Toronto, Ontario, Canada,

BY H. B. DONOVAN.

Terms—\$1.00 per Year, Payable in Advance.

ADVERTISING RATES.

Advertisements will be inserted at the rate of 10 cents per line each insertion, 1 inch being about 10 lines.

Advertisements for longer periods as follows, payable quarterly in advance:—

	3 Mons.	6 Mons.	12 Mons.
One Page.....	\$30 00	\$50 00	\$75 00
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Advertisements contracted for at yearly or half yearly rates, if withdrawn before the expiration of the time contracted for, will be charged full rates for the time inserted.

Back and front cover pages a matter of special correspondence.

Breeders' Directory, 1-5 col card, 1 year \$8; half year, \$5.

These are our only rates for advertising and will be strictly adhered to. Payments must be made invariably in advance. Yearly advertisements, paid quarterly in advance, changed every three months without extra charge.

All communications and advertisements must be in our hands by the 20th to insure insertion in issue of same month. Address H. B. DONOVAN 124 Victoria Street, Toronto, Ont.

JOHN HORD & SON, PARKHILL, Ont., Breeders of 15 different varieties of Land and Water Fowl, Toulouse Geese, Rouen Ducks. 1298

FOR SALE OR EXCHANGE.

Advertisements of 27 words, including address, received for the above objects, at 25 cents for each and every insertion, and 1 cent for each additional word. Payment strictly in advance. No advertisement will be inserted unless fully prepaid.

- THESE RULES must be followed:
1. Payment MUST be made in advance, the amounts are too small to permit of bookkeeping.
 2. Write copy for ad on a separate sheet from any other matter, and on one side of the paper only.
 3. See that ad. is fully prepaid as per rate above.
 4. Say plainly how many times ad is to be inserted.
 5. Give heading under which it is to appear.

Unless above rules are followed we cannot guarantee correctness.

Twelve Adv. \$2.50

All advertisements of 30 words will be inserted EACH MONTH for one year in this column for \$2.50, paid in advance. Advertisements may be changed every month if desired.

This Coupon is good for one advertisement of 30 words in the "For Sale and Exchange" or "Stock Transfers" columns. Canadian Poultry Review, Toronto.

To meet the wants of advertisers who are continually using this column, and who find it a great trouble to be constantly remitting small amounts, we have adopted the plan of issuing Coupons (as above) good for 30 words each, 4 for \$1. Any one buying these Coupons can use them at any time in lieu of money when sending in an advertisement. Not less than four Coupons sold.

Andalusians.

EGGS FROM PURE BRED B. ANDALUSIANS, Cosh strain, and B. Minorcas, \$2 per 13, \$3 per 26. G. T. Rush, Plattsville, Ont.

Bantams.

BLACK AND RED PILE GAME BANTAMS, prize winners at several of the leading shows. A few settings of eggs to spare. Also four small stylish black red cockerels, very cheap. A. J. Grigg, Jeweler, Clinton, Ont.

EGGS, HIGH-SCORING B. P. ROCKS, \$1.50 per 13, \$2 per 26; Golden and Silver Sebright and Black African Bants, mixed settings, \$2.50 per 13. W. F. Grout, Grimsby, Ont.

FOR SALE CHEAP—One pen of Black Rosecomb Bants and one pen of Black Tail Japanese Bants, all good birds of prize stock. Address P. Lee, 2007 Notre Dame-street, Montreal, P.Q.

FOR SALE—A limited number of Golden and Silver Sebright Eggs, \$2 per setting of 13. Also a splendid Golden cockerel. William Stuart, Goldie's Mills, Guelph, Ont.

BANTAM EGGS FOR SALE—White, Black and Buff Pekins, Black Tall Japanese, Golden Sebrights, Black Africans, White Polish and Light Brahmas, Bantams and Golden Polands. A few young birds left for sale. Also fancy Pigeons. Bert Hicks, Woodstock, Ont.

BUFF COCHIN BANTAMS—Eggs from a grand pen; among them are winners at New York, Ontario, Industrial and Toronto. Charles Bonnick, Eglinton (Toronto). Birds for sale.

EXHIBITION GAME BANTAMS—Our Game Bantams won at Buffalo, ten firsts and other prizes, at the Ontario, London, special Game Bant cup, also most of the other specials in this class, besides numerous firsts and seconds. Birds for sale in all colors, also eggs from all kinds from \$3 per setting up. W. Barber & Co., 242 Queen St. West, Toronto. 598

Brahmas.

LOOK! LISTEN!—We have the finest lot of Dark Brahmas in America for sale. Our stock has again this year won the highest awards at the leading shows of Canada and United States, including the Ontario, New York, Boston, Buffalo, and Kansas City. Our birds also won the \$100 silver cup at New York this winter, given for the four best Brahmas. Write for prices of birds. Eggs \$3 per 13, or 26 for \$5. Thorpe & Scott, London, Ont.

DARK BRAHMA EGGS for hatching, \$2.50 per 13; and stock from strain that won highly at the Ontario show in 1898. Sage & Garside, 420 South-street, London, Ont.

LIGHT BRAHMA EGGS, \$2 per 13. First prize cock at Brantford and Galt for sale; also cockerels, pullets and hens. John Cameron, Brantford.

EGGS FOR HATCHING from Light Brahma hen, won first at Madison Square Garden, New York, and first at late Ontario, London, mated with imported cock, right from J. Williams, and four others, extra fine hens, also a fine pen of Dark Brahmas. Eggs from the above \$2 a setting. Chas. B. Gould, Glencoe, Ont., Box 363.

LIGHT BRAHMAS—Have a number of excellent Cockerels, pullets, hens and male birds for sale. For my prize winnings refer to February number. Write John Cameron, Brantford.

LT. BRAHMAS—Eggs \$1.50 per 13; large active, well marked, and in every way standard and up-to-date Brahmas, 2 Cockerels and 3 pullets for sale; cockerels 72 pounds. L. Kennedy, Clinton.

Cage Birds, etc.

CAGES, JAPANNED, FROM 35c.—Cages, brass, from 65c; Cages, breeding, from 75c; Cage appliances, nest and nestings, seed, etc.; everything in the bird line at Hope's Bird Store, 109 Queen Street West, Toronto.

FOR IMPORTED BIRDS—Try Hope's Bird Store, 109 Queen Street West, Toronto. Fine young Mocking Birds, warranted cocks, \$4 each.

ENGLISH BIRDS—Imported, Goldfinches, Linnets, Skylarks, Thrushes, Jays, Starlings, etc.; Mocking Birds, Cardinals, Fancy Finches, etc., at Hope's Bird Store, 109 Queen Street West, Toronto.

PARROTS, COCKATOOS—Love Birds, Paroquets, Parrot Cages, Parrot Food, Gold Fish, fish globes, bird cages, seeds, etc., etc. Fancy Pigeons, Guinea Pigs, Rabbits, etc. A large stock now on hand at Hope's Bird Store, 109 Queen-street west, Toronto.

Cochins.

EGGS, \$2 PER 13—From a pen of Buff Cochins, that for shape, heavy feathering, and excellent lemon buff cannot be excelled. Every bird in this pen is a winner. J. C. Lyons, Lucknow, Ont.

BUFF COCHINS—Solid buff color, over standard weight; body, legs and toes splendidly feathered, first-class birds; eggs, \$1.60 per setting. C. T. Stephens, Collingwood.

BUFF COCHINS—Up-to-Date Buff, solid surface and under color, heavy toe and leg feathering, scoring from 90 to 94. A few choice cockerels left. Eggs \$2 per 13. Write R. George, 105 Ashley street, Hamilton, Ont. 492

Dogs.

FOR SALE—Best blooded Collies in America; don't pay \$20 and \$25 for Scotch Collie pups, when you can buy pups sired by Auchairnie Boy, the best blooded strain of collies in Scotland for half the money. I own Auchairnie Boy. I have 7 dog pups, 5 months old for sale cheap; also 4 imported stud dogs at reasonable rates. Philip Hart, Belleville, Ont. 498

Dorking.

SILVER GRAY DORKING EGGS for sale. Hens in pen score 92 points each. Headed by cock score 91½ points. \$2.00 per setting. George W. Irwin, Seaforth, Ont.

Game.

EXHIBITION GAMES, Black Reds, Duck wings and Pyles of the highest quality. My breeding pens are composed of birds that have won at the Ontario and other leading shows. Eggs and stock for sale. A. J. Grigg, Jeweller, Clinton, Ont. 199

INDIAN GAME EGGS at \$3.00 per 13 from my imported prize-winning stock won at Industrial and Western Fairs on all entries. T. H. Webber, Hamilton Road, London

BROWN REDS—Cock, 94, mated to 5 females 94 to 95½. Eggs \$3.00 per 13. Black Reds, Pyles and Duckwings, quality as high at \$2 per 13. Our games are bred from the best of strains. Lyons & Wells, Lucknow, Ont

CORNISH INDIAN GAME EGGS for sale, \$2.00 per setting. Pen headed by cock first at Eastern Ontario and Montreal shows, '98, scoring 93½. Mated to eight grand double-laced hens, all prize winners. Also pit game eggs for sale, \$1.50 per setting from as grand a pen as there is in America. R. J. Graveley, Box 164, Cornwall, Ont.

EXHIBITION GAME—Our birds won 10 firsts and game special at Buffalo; at the Ontario, London, special game cup and numerous other prizes, including specials, firsts, etc. Birds for sale in all colors, winners and good enough to win. Eggs from all kinds from \$3 per setting up. W. Barber & Co, 242 Queen St. West, Toronto. 598

FOR SALE—Exhibition Black Red, Pyle Silver Duckwing Games and Black Red and Red Pyle Bantams, bred from imported stock of the highest quality. Will sell a few settings of eggs this year at \$5 per setting. Satisfaction guaranteed. C. W. Treadgold, Blenheim, Ont.

WOODLAWN POULTRY YARDS, Cobourg, Ont. Fred Field, Proprietor Breeder of B.R. Games, Buff Wyandottes, Banded Plymouth Rocks, Golden Polands, B.R. Game Bantams. I have some of the choicest birds of these varieties in America, and am selling out on account of pressure of business. Eggs from any of my pens for \$2 per setting. 489

Hamburgs.

BLACK HAMBURGS won 2nd cock, 1st hen at Guelph. 1st hen 2nd pullet at Brantford. Eggs from above winners \$1.50 per 13. J. W. Potter, Walsh, Ont.

FOR SALE CHEAP—Black Hamburg Cocks, scoring 92½ as a Cockerel, 95½ at Eastern Ontario. By Mr. Butterfield; price \$3; also few good hens. R. Sinclair, 86 Frontenac St., Kingston, Ont.

Javas.

ROYAL BLACK AND THE LILY WHITE JAVAS, also Black Minorcas, Red Caps, Silver Grey Dorkings, Wyandottes, Game, Sebrights, Black African and other Bants, Ducks and Geese. Stock and eggs for sale. F. R. Webber, Guelph Ont. 1295

Langshans.

BLACK AND WHITE LANGSHANS for sale, bred from prize-winners at the Toronto Industrial. The late E. McCormick's stock. Also Mann Bone Mill No. 2. Miss E. McCormick, Newmarket, Ont.

POTTER'S BLACK LANGSHANS are winners wherever shown. My pen is headed by cock 1st Guelph, 1st Brantford, scores 91½ female in pen score: 94 to 95½. A few eggs to spare at \$3.00 per 13. W. J. Potter, Walsh.

THE BEST LOT OF BLACK LANGSHANS in Canada—At the Eastern, Ont. Poultry Show, Kingston, 1897: 1st cock, 94½; 1st hen, 94; 1st and special on Cockerel, 93½; 1st and special on pullet, 94½, and at Montreal show 2nd cock, 95; 2nd hen, 93; 2nd cockerel, 94½; 2nd pullet, 93. Eggs for sale at all times, \$2 per 13. H. G. Cawdon, Little Range, Ottawa. 498

WHITE LANGSHANS—Eggs from the best pen in Canada, \$2 per 13. All the winners at the principal shows were birds from my yards in my customers hands if you want to raise winners write R. T. Knight, Box 29 Guelph. 598

Leghorns.

EGGS FOR HATCHING from my prize-winning strain of R. C. Leghorns. \$2.00 per setting. H. Tozer, London, West 628

KARNS' BLACK LEGHORNS have won highest honors at the leading shows 1896 and 1897. Eggs from this pen \$3.00 per setting. A good hatch guaranteed. H. Karn, Guelph, Ont.

BLACK LEGHORN EGGS \$2.00 for 13, \$3.00 for 26. Cock first as cockerel at "Ontario," '97, and first cockerel at "Ontario '98, head my pens, females all my noted prize winners. See Feb. Review for wins at "Ontario." Also see comments. A. G. Brown, Watford, Ont.

"SHOEMAKER'S STRAIN"—S. C. W. Leghorns; S. S. Hamburgs with good wing barring and well-shaped spangles. Eggs from above at \$1.00 per 13, \$2.00 per 30. A. Brethen, Norwood, Ont.

LEGHORNS—White pullets (dise) mated to first-class cockerel, also good Brown Leghorns; eggs \$1.00 per settings. A few cockerels, each kind left, \$1.50 and 1.00. C. T. Stephens, Collingwood.

S. C. WHITE AND BUFF LEGHORNS, winners of 9 firsts, 3 seconds and 1 third on 15 entries at Eastern Ontario and Peterborough shows. One pen of each variety, cockerel heading pen of whites, scores 94½, and buff cockerel 93½ by Butterfield Eggs—\$2 per setting. S. N. Graham, 506 Princess-street, Kingston.

FOR SALE one trio each of White and Brown Leghorns and White Rocks of my well-known strains. Also eggs for hatching. See Review for prizes. Thomas Rice, Whitby, Ont.

WHITE LEGHORN EGGS for hatching from champion strain of Lily White Leghorns—large egg strain—\$2.00 per 13. A. E. Smith, Guelph, Ont.

FOR SALE—3 R. C. B. Leghorn hens for breeding, Cutting and Burpees stock and 1 Black Leghorn Pullet, Gibbs strain. Cheap if taken at once. John Altken, London, Ont.

EGGS FOR SALE from a pen of Black Leghorns: scoring cock 93½, pullets 94, 93½, 93, 92½, 91½ and 90½. Eggs \$2 per 13. W. H. Irving, Owen Sound.

BLACK LEGHORNS Fine glossy plumage, large birds. Prize-winners—look time and money to get them where they are. Eggs only \$2.00 per setting. Chas. Bonnick, Eglington.

S. C. WHITE LEGHORNS Exclusively to those wishing first-class stock will sell eggs this season \$1.00 per 13. I guarantee results. Birds for sale. T. H. Smith, Bolton, Ont.

FOR SALE some of my exhibition cockerels, White and Brown Leghorns, they are first-class. Eggs \$2 per setting. \$10 per hundred. John Pleisch, P. O. Box 202, Shakespeare, Ont.

FOR SALE Eggs from my imported R. C. B. Leghorns; also from choice Andalusians \$1.00 per setting of 13 eggs. Winfred Webb, Glenallan, Ont.

S. C. BROWN LEGHORNS—A limited number of eggs from hens scoring 93 mated to fine large Pleisch strain cockerel. For \$1.50 per 13. Ed. Cleland, Meaford.

STANDARD BRED BUFF LEGHORNS—large vigorous, extra layers: winners at Kingston, Montreal and Ottawa shows. Eggs for sale \$2.00 per setting, guarantee 9 chicks. Will F. Lowe, Almonte, Ont.

EGGS FROM BROWN AND WHITE LEGHORNS, Brown cock score 95½. White cock 91½, hens 91 to 91½, by Jarvis. See large ad. Thorncroft Poultry Farm, East Oro, Ont.

BUFF LEGHORN EGGS from pen headed by 1st cock, 1st pullet, 2nd hen, 2nd as pullet, \$2.50, 13; \$1.00 26. J. Bedford, 624 Parliament-street, Toronto.

BUFF LEGHORN EGGS Prize pen, headed by Medat Cockerel at Toronto, 1897. Every female in pen a winner. Eggs \$3.50 per 13, guaranteed to be from this cockerel. I have sold eggs and stock that have produced winners when shown against my own birds. If they will win for others they will win for you. Though I have sold the above prize pen, I still have control of all eggs laid this season. C. F. Wagner, 726 King street west, Toronto, Canada.

WHITE LEGHORNS FOR SALE—As I am going to devote my entire energies to light Brahmas, I will dispose of the following A1 birds: 1 pen of Forbes R. C. White Leghorns, 1 pullet and cockerel, \$5.00, or exchange for Light Brahma pullets. Now don't miss the chance. H. W. Parlo, Rochester, Ont. 498

GEO. E. LEE, HIGHGATE, ONT., breeder of the popular "Royal strain" of S. C. W. Leghorns. My settings were never better than for 1898. Among them are some of the best birds on the continent, including winners at New York, Boston and Ontario P. Shows. Birds that have proved themselves invincible in the showroom and reliable in the breeding pen. Eggs \$1.50 per 13. 598

GOOD WHITE LEGHORN COCKERELS for \$1 each. Apply J. T. Clarke, Jeweller, Chouburg, Ont. 698

EGGS FOR SALE—Are you looking for red tickets in Brown Leghorns? Read this: At Owen Sound cocks 1st and 2nd: hens 1st and 2nd; cockerels 1st and 2nd; pullet 1st, breeding pen 1st, and six specials, scores 93½ to 95½ at Galt on birds sold; cock 1st, cockerel 1st, hen 2nd, pullet 2nd, and claim to have the champion Leghorns of Canada. Write us, J. C. Benner & Son, Owen Sound. 499

EGGS FOR HATCHING from my prize-winning pen of S. C. Brown and White Leghorns, first, second and third prizes in cock cockerel, hens and pullets. \$2.00 per 15. Also a second prize S. C. B. L. cockerel to sell. W. J. Powell, Bruce-street, Galt, Ont.

FOR SALE Rose-comb White Leghorns, score 94. Eggs for sale in season. William Dick, Echo Place, Brantford, Ont.

BUFF LEGHORNS, EXCLUSIVELY—Have won 12 1sts, 8 2nds, 3rds and 4ths past season; also large, handsome silver cup for best 6 undercolored females, first and special for best pullet in a competition of over 30; stock sold have brought to their owners first honors medal and cups, stock for sale. Eggs from pen mostly winners, \$3 per 13; a few good Cockerels for sale, clear buff, G. Berner, 367 Shaw St., Toronto. 299

FOR SALE—3 White Leghorn Cockerels, \$1 each; 6 White Leghorn pullets \$2 each; White Leghorn and White Wyandotte eggs of very best strains \$1.50 per setting. H. M. Dymont, Barrie, Ont. 299

Minorcas.

EGGS FOR HATCHING from prize-winning Black Minorcas, \$1.00 per setting. I have twelve hens with cockerel in pen. Victoria Poultry Yards, 37 Danforth-avenue, Toronto.

WHITE MINORCAS EXCLUSIVELY—(Abbott strain) Prize winners Industrial Exhibition and Toronto Poultry Show, 1897; Owen Sound, 1898. Eggs \$2 per setting. James N. O'Neil, 53 Elm Grove, Toronto.

BLACK MINORCAS TAKE THE LEAD Eggs from prize winners; grand birds; fine plumage, \$2 per setting. Send orders early. C. T. Throop, Port Hope, Ont.

FOR SALE—My entire lot of Black Minorcas (including prize-winners), 20 Crossman pullets, and also some of Pitts strain. Eggs in season. \$3.00 per 13 until sold. Apply W. Cox, 5 Rushbrooke-street, Montreal. 493

BLACK MINORCAS—I have in my pen Wood's 1st Industrial hen, 1st and 3rd hens and 1st and 3rd pullets at Toronto show, and two imported hens, headed by 2nd prize industrial cock, imported. Eggs, \$2 setting. R. Durston, 42 Austin-avenue, Toronto.

MAPLE CITY POULTRY YARDS—Black Minorcas (Scott's strain), S. C. White Leghorns, Barred Plymouth Rocks, Mammoth Pekin Ducks. Eggs \$1.50 per 13. W. A. Wilson, Box 534, Chatham, Ont. 798

S. C. BLACK MINORCA EGGS for sale from prize-winning stock, \$3.00 for 13, or two settings for \$5.00. James Topley, Port Hope, Canada.

FOR SALE—Prize-winning Black Minorca cockerels, hens and pullets. Eggs in season \$3.00 per setting of 13 or two for \$5.00. Apply to Wm. Cox, (successor to F. W. Molson), 5 Rushbrooke-street, Montreal. 498

Pheasants.

GOLDEN AND ENGLISH PHEASANT EGGS for sale, with particulars how to raise as easily as common chickens. Guarantee 80 per cent fertile. Golden \$5.00, English \$3.00, 13 per setting. W. J. Atkinson, Petrolca, Ont. 698

Poultry Appliances and Food.

FOR SALE—Large incubator—T. A. Willett, maker. Apply 708 Dundas-street, Toronto.

SHIPPING LABELS printed on red express paper. "Eggs for hatching" 25 for 10c. "Live Fowls," double the size of others, 15 for 10c, free by mail. Use these and have your eggs and stock handled with care. H. B. Donovan, Toronto. Stamp for samples.

THERE IS NO BETTER BROODER than the "Economic" made, and it is cheap, too. It beats hens raising chicks four and five dollars. Incubators, regulators, thermometers, poultry supplies. G. J. Lovell & Co., 240 St. Clair, Carlton West, Ont.

Pigeons.

POUTERS ONLY—At the recent Ontario made a clean sweep in Blacks, Reds and Blues. Pairs for sale in Reds and Blacks, odd cocks in Blacks and Blues, odd hens in Reds and Yellows Magill & Glidden, Port Hope, Ont.

HINTS TO BEGINNERS (Pigeons) by F. M. Gilbert, new edition, 1894, revised with additional chapters. A most practical, timely and comprehensive work indispensable to the amateur. Price paper 50c Address, H. B. Donovan, Toronto.

POUTERS—Blacks and Reds, also blue pied cocks cheap, pair yellow Swallows, pair Black Magpies (2nd at Ontario), pair yellow do., 2 yellow inside Tumbler cocks, 4 white Jacobin hens and others. Stamp, C. Massie, Port Hope, Ont. 299

PAIRS AND OLD BIRDS, in Owls, Turbits, Swallows, Fantails, Tumblers, Magpies, Show Homers, Carriers, Dragons, Blondinettes, Pouters, etc. No culls, satisfaction guaranteed or money refunded. W. H. READWIN, Guelph, Ont.

FANCY PIGEONS FOR SALE—Magpies, Owls, all colors, Turbits, Swallows, Dragons, Antwerps, Pouters and Fantails, all colors; correspondence solicited. C. E. Warwick, 407 Markham St., Toronto, 299

FOR SALE OR EXCHANGE—Fantails, Pouters, Short Faced Tumblers, Jacobins and Carriers, all the above birds are first-class stock, also birds for shooting matches. H. B. Scott, Box 198 Listowel, Ont. 498

SEAMLESS ALUMINUM BANDS for pigeons, 2½ cents each in small quantities. Write for price of seamless and open bands. Enclose stamp for reply. W. S. Perrin, Newmarket, Ont.

POUTER HEN, WHITE: 4 Magpie cocks, 2 black, 2 red, 1 Owl cock, blue, 1 Dragon hen, blue, 2 Fans, cocks, blue, 2 Barbs, cocks, white. Aluminum rings for Pigeons. W. J. McBride, St. Paul P. O. Box 34

NOTICE—As I am selling off my pigeons it will pay any intending purchasers to get my list before deciding on their varieties. Will sell in pairs and lots, prize tickets go with all. Don't delay. Send stamp. John Burroughes, 14 Phoebe-street, Toronto.

PHEASANTS—ENGLISH PHEASANTS for sale very reasonable, only a few pairs left. Now is the time to buy. Address: Norman D. McPhie, Hamilton, Ont.

POUTERS ONLY—At the recent Ontario made a clean sweep in Blacks, Reds and Blues. Pairs for sale in Reds and Blacks, odd cocks in Blacks and Blues, odd hens in Reds and Yellows, Magill & Glidden, Port Hope, Ont.

Plymouth Rocks.

KLINE'S BUFF ROCKS have won at Washington, Madison Square Garden, Mid-Continental, Buffalo, Mt. Gretna, Johnstown, Hagerstown and others, making 34 entries and awarded 31 regular premiums and 11 special premiums, including three gold specials and silver cup. Eggs \$2 per 13. Send stamp for '98 catalogue. Frank Kline, Box 308 M. Spring City, Pa. 698

DO YOU REMEMBER that my Buff Rocks won at all the big shows, I am selling eggs for \$3.00 per 13 from my best birds; have only one pen and I guarantee a fair hatch. See Review for prizes won. Sid. Saunders, Box 593 Guelph

WHITE AND BUFF PLYMOUTH ROCK eggs from two of the finest pens in the country. My Rocks won 1st and special at Ontario among keen competition. Chas Bonnick, Eglington.

BARRED ROCK EGGS for sale from prize stock, including 1st cockerel, Toronto, and 3rd cock. Price \$2.00 per 13 two settings for \$3.00. Also pullets for sale. A. H. Lake, 608 Queen street west, Toronto

SNELGROVE POULTRY YARD—Barred Rocks exclusively. Eggs for hatching \$1.00 per setting. Best five dozen eggs at Toronto Poultry Show from this flock. W. H. Campbell, Snelgrove P. O., Ont.

WHITE PLYMOUTH ROCKS—Eggs from pen of fine Rice strain females mated to large, high scoring cock bird, for only \$1.50 per 13. Ed. Cleland, Meaford.

BARRED PLYMOUTH ROCKS a specialty. Stock best strain in America. Eggs \$1.70 per 13. Address all communications to Payton & Rounds, Box 174, Stratford, Ont

EGGS FOR SALE from Imported B. P. Rocks, score 90½ to 92½, at \$1.00 per 13. Satisfaction guaranteed. Vanessa Poultry Yards, Vanessa, Ont., Norfolk County.

BARRED PLYMOUTH ROCKS exclusively. Stock first-class, from best strains. Eggs \$1.50 per setting. Young stock in fall. Satisfaction guaranteed. A. & T. Patrick, Rockton, Ont. 598

WHITE ROCK BREEDING PEN—A large cockerel winner of 1st at Western Fair, London, 1st at Lambton Poultry Show; 2nd at Ontario Poultry Show; mated to 2 hens and 5 pullets, including 2nd hen and 1st and 3rd pullet at Western Fair; 2nd and 3rd hens and 1st, 2nd and 3rd pullets at Lambton; 4th hen and 2nd and 3rd pullets at Ontario.

BUFF ROCK BREEDING PEN—Yearling cock, winner of 2nd at Western Fair, mated to 8 pullets, full sisters, including 1st pullet at Guelph, 1st, 2nd and 3rd pullets at Lambton, and 1st and 2nd pullets at the Ontario.

BARRED ROCKS—Breeding (pen No. 1) Cockerel, 1st at Guelph Poultry Show and 1st at Lambton, weight 9½ pounds, score 94 by Jarvis, mated to 5 large pullets and 1 hen, the right color and shape to produce exhibition cockerels. (Pen No. 2), yearling cock, bred from E. B. Thompson's best line of females; he is mated to 7 of my largest and best exhibition pullets.

FRESH EGGS FROM EACH of the above pens \$3 per 13; \$5 per 20.

ROUEN DUCK MATING—Yearling drake 1st at Lambton (4 old drakes competing), mated to three very large young ducks, bred from 1st prize duck and 1st drake at Western Fair, 1896. Eggs \$1.50 per 11 straight. John W. Kedwell, Petrolia, Ont. 498

FOR SALE—My entire stock show birds, 5 pens White Rocks, no culls, all birds having scored from 91½ to 95½ points under Butterfield, Jarvis, Bicknell and Ball. Eggs \$2.00 per setting until stock sold. Wm. H. Craig, D. V. S., Cornwall, Ont. Box 121.

WHITE ROCKS—Eggs \$1.50 per 13. I have got together the whitest, largest and best leg-colored pen of birds that any breeder in Canada ever saw; try me. L. Kennedy, Clinton.

Polands.

W. C. B. POLISH, the fancier's favorite. I breed this variety exclusively. Stock for sale. Eggs \$2.00 per 13. Address R. J. Taylor, Box 437, Brantford, Ont.

EGGS FROM GOLDEN AND SILVER POLANDS, cocks score 92½ and 92; hens 90 to 13½ by Jarvis. Ten other varieties, highest quality. See large "ad." Thorncroft Poultry Farm, East Oro, Ont.

Sale or Exchange.

FOR SALE—Light Brahmas, prize winners, or exchange for exhibition game or game bantams any color. J. Hawthorn, 79 Victoria-street, Brantford.

WILL EXCHANGE S. C. White Leghorn cock and hens for Silver Dorkings, also 2nd cockerel and 1st pullet at Galt Winter show; also eggs in season, \$1.50 per 13. J. O. Stephens, Galt, Ont.

FOR SALE OR EXCHANGE—Thoroughbred English Coach dog, well spotted, for standard bred fowl, any variety. Write and name for to exchange. E. B. Geofrey, Pembroke, Ont.

FOR SALE OR EXCHANGE for Wyandottes (any color), five hens and one cockerel. Cornish Indian Games, Imported. H. Cross, Longueuil, Que.

BONE CUTTER WANTED in exchange for a silver watch, Waltham movement, open face stem-wind screw case in good order. Write J. Healey, Wheatley, Ont.

FOR SALE—Buff Leghorn cockerel; fine, graceful bird from imported stock, or would exchange for pullets or eggs. Also White Rock eggs from snow-white stock, \$1.00 per 13. Frank Hall, Clinton.

FOR SALE—Pen Buff Cochins, cock and five hens, \$8, or will exchange for Bantams or pigeons. W. L. Crawford, Union Bank of Canada, Quebec.

Turkeys, Ducks and Geese.

TWO PAIR Toulouse geese, also Toulouse geese eggs at the rate of three dollars (\$3.00 per eleven); also Rouen Duck eggs at \$1.50 per setting. John Ford & Son, Parkhill P. O., Ont.

Wyandottes.

J. DORST, breeder of all standard varieties of Wyandottes. Stock for sale at all times. Eggs in season \$2 per 13. J. Dorst, 565 Logan Avenue, Toronto, Ont. 49

SILVER WYANDOTTES—For Sale—1 cock \$2, 3 cockerels \$3 each. Eggs \$2 setting. My stock won at Industrial, Western and Ontario Shows. Satisfaction guaranteed. James Arthur, 731 Lorne avenue, London. 1098

WHITE WYANDOTTES—My birds have won wherever shown; they have the standard shape. Eggs \$2 per sitting; three sittings \$5. Mrs. J. H. Shales, 37 Danforth Ave. Toronto.

EGGS FOR HATCHING from Silver and White Wyandotts and Barred Plymouth Rocks, ten years' breeding Wyandottes; send for our new 1898 catalogue, Ulleys Poultry Farm, Montreal. 998

WHITE WYANDOTTES—A few big cockerels still left for sale; last of the season. Eggs for hatching from grandly mated pens of winners; \$3 per 13. Chas. Massie, Box 232 Port Hope, Ont. 199

FOUR FINE BUFF Wyandotte Cockerels and four pullets for \$3 each. Fred Field, Cobourg, Ont. 498

BUFF WYANDOTTES, imported pen, costing \$75.00, grand cockerel, all Buff; tail included; females grand in shape and color. Eggs, \$5.00 per setting. Victoria Poultry Yards, 37 Danforth-avenue, Toronto.

GOLDEN WYANDOTTES—My pen contains prize winners and imported birds. 1st prize cock at London, '97, heads my pen. Eggs, \$1.00 per 13. Grand cockerel, \$2.00; cock, \$1.00. Wm. Williams, Bloomington, Ont.

BLACK WYANDOTTES—The "Black Diamond" strain are sure winners. Stock for sale and eggs \$2.00 per 13. Also Silver and Buff at same price. Chas. Grimsley, 597 Ossington-avenue, Toronto.

WHITE WYANDOTTE EGGS, \$2.00 per 13, from pen of imported birds from J. B. Felt, and James Forsyth (score 93½ to 95½). A. E. Smith, Guelph, Ont.

BLAIN'S WHITE WYANDOTTES win their share at our leading shows. Eggs now \$2.00 per setting. Wm. Blain, 93 Emerson-avenue, Toronto, Ont.

WHITE WYANDOTTE EGGS—A1 stock. Pen headed by Howison cock, winner of Wyandotte cup two years at Montreal show, mated with twelve females, scoring from 93 to 96 points. Eggs \$2 per setting. R. J. Graveley, Cornwall, Ont. Box 161.

GOLDEN WYANDOTTES again at the great Ontario won seven prizes and special for best collection. At the last three Ontario's, won as many first prizes as all other competitors combined. My breeding pens are headed by first cock Ontario, first and second cockerels, Toronto, Peterboro, Cobourg, females, my Ontario winners 1897-98. Eggs \$3.00 per 13; \$5.00 per 26. J. H. Magill, Port Hope, Ont.

EGGS FOR HATCHING from a grand pen of White Wyandottes. Prize winners at \$1.00 per 13. P. Wellington, Blackwell Station, Ont.

FOR SALE—Pen of S. L. Wyandottes, cockerel and 4 pullets, \$5.00, worth \$10.00. Golden cockerel, \$2.00. J. Dorst, 565 Logan-avenue, Toronto.

Various.

EGGS FOR HATCHING—Andalusians, \$2.00 per 13; Black Javas, Black Hamburgs, Houdans, Silver Grey Dorkings, Brown and Black Leghorns, \$1.50 per 13; Pekin Ducks, \$2.00 per 11. Stock for sale. W. R. Knight, Bowmanville, Ont.

TWO FINE young W. Wyandotte cockerels, \$2.00 each; two choice W. Leghorn cockerels, \$1.50 each; two Brown Leghorn cockerels, \$1.00. One fine Black Leghorn, \$1.00. Eggs from small pens of selected birds. Circular. J. E. Ruddle, Brockville, Ont.

SUNLIGHT POULTRY YARDS Eggs for hatching Blue Andalusians; White C. Black, Poland eggs, \$2.00 per 13; White P. Rocks, single comb and rose comb, Brown Leghorn, Black Minorcas, eggs \$1.00 per 13. Cain & Kerr, Ingersoll, Ont.

CHOICE FRUIT AND VEGETABLE PLANTS for sale in season. Strawberries, raspberries, transplanted cabbage, cauliflower, celery and tomatoes; finest varieties, fifteen years selection. Carefully packed. Send for circular. J. E. Ruddle, Brockville, Ont.

LEGHORNS, WHITE S.C.—Good in comb, ear lobes and legs and shape; snow white color, bred from Ontario and Madison Square winners. Houdans, hens large, dark colored; cockerel 2nd prize Industrial, '97. Langshans, Black, typical shape, grand color, extra large; cockerel from Kerby & Smith. Our hens were 1st, 2nd and 3rd winners Ontario, '97. Eggs \$1.50 per 13. Boyes & Little, Churchill, Ont. 508

BUFF LEGHORN EGGS from Mrs. Lister-Kay's original strain, only a limited number of sittings, \$2.00. Orders shipped in rotation. Flying Homers in pairs or odd birds, \$1.00. Jas. McLaren, Stephen-street, Owen Sound.

EGGS FOR HATCHING—Pekin Ducks, White, Black Cochlin Bants, Red Pyle, B.B. H. Game Bants, Angora Does exchange for Angora Buck or Lops. C. C. Brown, Listowel, Ont.

MAMMOTH BRONZE and White Holland Turkeys, Pekin, Aylesbury, Rouen and Cayuga Ducks, eggs \$2.00 per 9 turkey. 11 Ducks, Trio Partridge, Cochlin \$4.00. A. J. Wight, Shiuco.

FOR SALE—White Rock cock, first at Woodstock, first at Peterboro, second at Cobourg. Two Black Hamburg cockerels Wm. Elliott & Son, Oshawa.

EGGS FOR HATCHING—Silver, Golden and White Wyandottes, Barred P. Rocks and Pekin Ducks, \$1.50 per setting. Stock unsurpassed. J. E. Meyer, Kossuth. 798

BROCKVILLE POULTRY YARDS, W. M. Osborne, prop., breeder of high-class poultry, including all classes of Leghorns, Andalusians, S. S. Hamburgs, White Dorkings, White and Black Minorcas, Buff Pekin Fantams. See Review for prizes won at Montreal, Ottawa and the Eastern Ontario Poultry Association Shows. Eggs \$2.00 per 13. Guarantee 6 chickens or replace eggs free of charge. 598

FOR SALE—Eggs from R. C. B. Leghorn and S.L. and White Wyandottes at \$1 per setting. Write for strains. G. B. Pearson, Brown's Corners, Ont.

FOR SALE—Eggs from our Barred, and White P. Rocks, Silver and Black Wyandottes, American Dominiques, Black Spanish and Black Sumatras, Black Cayuga and Rouen Ducks, at \$2 per 13, or \$3 per 26. All from same stocks as we use ourselves. Geo. Bogue, Strathroy, Ont.

ROSE COMB BLACK MINORCAS, best pen eggs, \$2.00; second pen, \$1.00 per 13 Silver Wyandottes, Red Caps, Golden Poland, eggs, \$1.00. All high-class stock. W. H. Kerby, Oshawa, Ont.

FOR SALE CHEAP one pen of each of the following: White Plymouth Rocks, Light Brahas, Single Comb Brown Leghorns, Black Minorcas and Red Caps. Wm. Roberts, Star Poultry Yards, Cornwall, Ont.

EGGS FROM Silver Wyandottes, Partridge Cochins, B.P. Rocks, Black Spanish, White Leghorns, Sebright Bants at \$2.50 per setting. Stock for sale at all times. Jas. Motlieral Drumbo, Ont. Box 65, 299

W. P. ROCKS—Buff and Black Cochlin Bants, also Buff Cochlin, Cockerel for sale; extra good stock; no bird scoring less than 92. Eggs \$2 per 13; all birds guaranteed. C. J. Eisele, Guelph. 698

EGGS FOR HATCHING—White, Barred and Buff Rocks, White Wyandottes, Cornish Indian Games, Black Minorcas; first-class fowls; one setting \$1, two settings \$1.50; three settings \$2. N. A. Loucks, Dresden, Ont. 508

EGGS ROM PRIZE WINNERS—Buff Brown, Black and White Leghorns, Buff and Partridge Cochins, B.P. Rocks, Silver S. Hamburgs, Black Spanish, Golden Bearded, Polish, Golden Wyandottes, S.G. Dorkings, Black Langshans, Light Brahas, Golden Sebright Bants, Eggs \$2 per 13. Wm. Daniel & Co., Plattsville, Ont. 299

EGGS, BARRED, PLYMOUTH ROCK, Silver Laced Wyandotte, White Wyandotte, from high scoring thoroughbred stock, winning prizes at country shows in hot competition; prices reasonable. Ed. F. Gormley, Pickering, Ont.

EGGS FOR HATCHING—From two of the best pens of Houdans in the Dominion. See Poultry Review for prizes won in the last 10 years. Also eggs from White and Brown Leghorns and Barred Plymouth Rocks; all A1 stock. D. C. Trew, Lindsay, Ont. 408

ONE FINE PEN of each, White Wyandottes, Silver Spangled Hamburgs and Buff Leghorns, score 90 to 95½. Eggs \$2 per 13; only a limited number to spare. Also a fine lot of fancy Pigeons cheap. W. H. Readwin, Guelph.

EGGS—Silver and White Wyandottes \$1.50 per 13; seb. Leghorns, \$1 per 13; C. Indian Game, \$2 per 13. W. J. Gordon, Pickering, Ont. Homing Pigeons \$1 per pair. 199

EGGS FOR SALE—From my prize winning Black Hamburgs and S.C. Brown Leghorns; \$1.50 per sitting; Black Spanish \$2 per sitting. See winnings at Cornwall, R. Sinclair, 86 Frontmac St., Kingston, Ont. 598

CLOSE BROS. Importers and Breeders of High Glass Exhibition, Game and Game Bantams, Rouen and Aylesbury Ducks. Stock for sale at all times. Eggs in season. Mitchell, Ont. Stamps for reply. 1293

I HAVE FOR SALE 6 Partridge Cochlin hens; 12 cockerels and 10 pullets; one trio of silver laced Wyandotte Fowls, B.P. Rocks, both old and young, 3 B. B. red Game Bantam cockerels; stock is of A1 quality. L. G. Pequegnat, New Hamburg, Ont. 4

EGGS HALF PRICE—None better for three times the money. Barred Rocks, White, Buff, Leghorns, Silver Sebrights, Buff Cochins, Bantams, Pekin Ducks, Belgian Hares Circular. James Hallenbeck, Altamont, N.Y. 598

FAIRVIEW POULTRY YARDS—13 eggs \$1 from choice pens of Black Minorcas (Molson strain), White Minorcas (Duff strain), and Blue Andalusians. F. R. FRITH, Maxville, Ont. 598

BLACK MINORCAS, LIGHT BRAHMAS Eggs, \$2.00 per 13. Brown Leghorns, \$1.50 per 13. See prizes won at Peterborough and Cobourg. Black Minorcas, scoring, hens, 92 to 94; cock, 96. McLaughlin & Sheridan, Box 372, Oshawa, Ont. 598

DARK BRAHMAS, BLACK LANGSHIANS and S. C. Brown Leghorns. Eggs from carefully mated pens at \$1.00 per 13. Also two Silver Spangled Hamburg pullets, \$1.50 each. Harry Hitchcock, Dresden, Ont.

EGGS \$1.00 PER SETTING from the following varieties: White Rocks, Light Brahmans, Cornish Indian Game. Will sell White Rocks only, \$1.50 for two settings, \$4.00 per 100. John Pike, Seedsman Wood stock, Ont.

EGGS FOR HATCHING—Light Brahmans, Black Minorcas and a limited number of Barred Plymouth Rocks. Eggs tested weekly for fertility. A. D. Harkness, Irena P. O., Ont.

FOR SALE—Some very choice White Wyandotte cockerels and pullets, also one cock and four hens. Eggs \$2.00 per setting. One trio Barred Plymouth Rocks. D. J. Peace, Hamilton, Ont.

EGGS FOR HATCHING at reasonable prices. All standard bred and prize-winners. Barred Plymouth Rocks, Houdans, Black Spanish, White and Brown Leghorns. Inspection invited and satisfaction guaranteed. W. F. Clark, 183 Emerald-street Hamilton, Ont.

EGGS FOR HATCHING—Score \$9 to 94. Silver Laced Wyandottes, \$1.50 per dozen. Partridge and Buff Cochins at \$3.00 per dozen. D. Bell, Paisley, Ont. 598

CHENANGO RIVER POULTRY YARDS, L. J. Beard, Greene, N.Y., Box C. Rose Comb White Faced Black Spanish (Newton strain). Fifteen eggs \$5.00, and twenty other varieties. Mixed orders taken. Write. 598

FIRST PRIZE B. P. Rocks. Duff's Black Minorcas, Buff Cochins, B. R. Game. Eggs \$1.50 per 15. Reduction on larger sales. Stock for sale. Also B. Langshan, and Park Brahma cockerels. C. W. Peters, Dresden, Ont.

EGGS FOR HATCHING from prize-winning Geese, Chinese, Bremen and Toulouse, \$2.50 per 9. Ducks, Pekin, Rouen and Cayugas, \$1.00 per 13. Fowls, Black, White and Brown Leghorns (single comb), Barred Rocks, Buff Cochins, Indian Games, Silver Wyandottes, Houdans, L. Brahmans, Black Minorcas, \$1.00 per 13. Also Bronze Turkeys, Scotch Collie Dogs. See Industrial Exhibition, Toronto, '97, for prizes won. A. G. H. Luxton, Georgetown, Ont. 598

FROM PRIZE-WINNERS in Silver Grey Dorkings, White and Golden Wyandottes, Black Minorcas, \$1.00 per 13. A good hatch guaranteed. Harry Shore, The Flrs, White Oak, Ont.

EGGS—WHITE LEGHORNS, White and Barred Rocks, Black Minorcas, \$1.00 per setting. Buff Leghorns, eggs from first prize stock. E. Holliday, 48 Ameha-street, Toronto.

FOR SALE—Eggs from prize-winning Light Brahmans, Lansdowne & Felch strains, White Wyandottes and Pekin Ducks \$2.00 a setting. Pyle Game, \$2.00. Barred Rocks and Black Minorcas, \$1.00. Duff's stock E. Parker, Compton, Que.

FOR SALE White Leghorns—4 cockerels, 10 pullets, 1 B. Hamburg cock, 1 Buff Cochin cock, 2 L. Brahma cockerels. Also eggs from B. Hamburgs, B. and P. Cochins, L. Brahmans, Buff P. Rocks, \$1.50 for 15. J. D. Smith, Delhi, Ont.

S. C. BROWN, White and Buff Leghorns, a setting of 13. J. L. Margaeh, Bowman and Black Minorcas. Eggs for sale, \$2.00 ville, Ont., late of Port Hope 698

GLENHYRST POULTRY YARD, Eggs for sale. White Wyandottes, White Plymouth Rocks, Black Minorcas, Indian Cornish Game, Red Pyle Game, Red Breasted Game, Houdans, Black Langshans, White Langshans, Barred Plymouth Rocks, Golden Wyandottes, Silver Wyandottes. One dollar a setting straight or assorted. Poultry supplies of every kind. Also Dorset Sheep, Tamworth Pigs, Shetland Ponies, all ages. G. K. Stratford & Bros., Brantford, Ont. 698

FOR SALE two Indian Game cockerels, two Black Langshan Pullets and one Dark Brahma hen. All from the best strains in America will be sold cheap. Indian Game and Barred Rock eggs, \$2.00 per setting. Games are the best stock I ever owned. The Rocks are females from Bennet & Bradley Bros., and a male from Wells, the New York winner. John Modlin, Margaret street, Hamilton.

RED CAPS, BLUE ANDALUSIANS, White Wyandottes, Light Brahmans, Black Langshans, Houdans, R. C. W. Leghorns, S. Grey Dorkings, Golden Polands, \$1 for 13 eggs. F. N. Haig, Hoard, Ont. 598

FORTIER POULTRY YARDS—For sale—Eggs, \$3.00 per 13, from my prize-winning and imported stock in all varieties, Polands and Bantams. Also choice Buff L. and Golden Poland cockerel. No better stock in America. Victor Fortier, Therese, Que.

EGGS FROM WINNERS—Mated to produce winners. In Red Caps Houdans Light Brahmans, Barred Rocks, Silver Wyandottes, Brown Leghorns, \$1.50 per 13. Pekin Ducks, \$1.00 per 9. Stock won 268 prizes the past season. Satisfaction guaranteed. J. C. Lyons, Lucknow, Ont.

EGGS FOR HATCHING from my prize-winners, \$1.50 per 13. See Review for prizes won. Light Brahmans Blue Andalusians, Golden Spangled Hamburgs, Golden Wyandottes and Silver. Ralph Williams, Ingersoll, Ont. 698

1898 EGGS FOR HATCHING from selected White and Barred Rocks, Single Comb White Leghorns, Rose Comb White and Brown Leghorns, Pekin Ducks; \$1.00 per 13. Rose Comb White and Brown cockerels cheap. M. C. Duimage, Belleville.

EGGS FOR HATCHING from high scoring Black Langshans and White Wyandottes. Orders booked now from choice stock, \$1.50 per 13. One fine White Wyandotte cockerel (Massie strain), for sale cheap, or exchange for Bantam. J. T. Dougall, Barrie.

EGGS FOR SALE from the following varieties of choice stock—White Rocks, Barred Rocks, White Leghorn, Brown Leghorn, Black Spanish, \$1.00 per setting. Walter Joyce, Plattsville. 698

BLACK SPANISH and Partridge Cochins a specialty. Eggs only \$1.00 per setting. Send for circular. W. W. Reid, Ayr, Ont.

EGGS FOR HATCHING from my well-known prize-winning strains of the following varieties: White Plymouth Rocks, Light Brahmans, Single Comb, White and Brown Leghorns, Black Minorcas and Red Caps. "See report of East Ontario Show." Eggs, \$2.00 per 15; \$3.00 per 30. Wm. Roberts, Star Poultry Yards, Cornwall, Ont.

EGGS \$1.00 PER 13 from Brown Leghorns, Black Minorcas, Silver Laced Wyandottes, Silver Grey Dorkings. Stock for sale in season. Alex. D. Campbell, Laggan, Ont.

HOUDAN, GOLDEN AND W. C. B. POLANDS, Silver and Golden Spangled, Silver Pencilled and Black Hamburgs. Eggs, \$1.50 per 13. W. Leghorns, \$1.00 per 13. Will sell W. C. B. and Silver Poland and Houdan males and Golden Poland females, or trade for W. C. B. or Silver Poland females. On 61 entries at Sarina and Goderich I won 42 1st, 15 2nd and 3rd prizes. Wm. Carter, Constance, Ont.

EGGS FOR SALE from choicest pens, L. Brahmans, P. Cochins, Dorkins, S. Indian Game, Houdans, B. Rocks and B. Minorcas, White Brown and Black Leghorns, S. S. Hamburgs, Golden Polish, B. Turkeys, Toulouse and G. China Geese, Aylesbury and Rouen Ducks. See February and March Review for prizes won at Peterboro and Cobourg. For particulars write W. Stewart & Son, Menie, P.O., Ont.

FOR SALE—Eggs from Black Leghorns bred from first-prize cockerel, London, 1896, first prize hen, Ontario, 1896. Barred Plymouth Rocks, cock 11 lbs., hens 9 lbs. each. Eggs, \$2.00 per 13. Satisfaction guaranteed. Cameron & Stowe, Blehheim, Ont.

EGGS FOR HATCHING from Brown, Black and Buff Leghorns, Red Caps, Barred Rocks, Rouen Ducks, Brown Leghorns; two pens headed by Forsyth and Paton males. Wm. Wallace, Londesboro, Ont.

A. STEVENS, SALFORD, ONT., breeder of high-class exhibition game, B. B. Red; cock scored 94, Pyle Game Pullets from this pen scored 95. W. Leghorn, W. and Barred Rocks, B. Minorcas, W. C. B. Polands. All grand birds. Eggs, \$1.50 per setting.

CHOICE PENS of Genuine Buff Cochins, Single Comb Brown Leghorns and Barred Plymouth Rocks. Eggs from any of the above \$1.00 per 15. W. Pemberton, Reporter Office, Delhi, Ont.

EGGS! EGGS! from B. Minorcas (score 93, 93½, 94), S. L. Wyandottes, S. S. Hamburgs, L. Brahmans, B. Spanish, W. C. B. Polands, W. Minorcas, B. B. R. Game Bantams (from 1st prize breeding pen in Mont. rec'd '98), Black Africans, score 94 cockerel, \$1.50 per 13. Ch. Joubert, 201 L'etourneau, Maisonneuve, Quebec.

IMPORTER AND BREEDER of fancy poultry. Light Brahmans, Buff Cochins, Langshans, Barred Rocks, Golden Wyandottes, Red Caps, Single Comb Brown Leghorns, Pekin Bantams. Eggs, \$2.00 per 13, and also birds for sale; all prize winners. John McPonell, 58 Oak-street, Brantford, Ont.

EGGS FROM White Wyandottes, Partridge Cochins, Buff Cochins, White Cochins, Golden Pen, Hamburgs, Silver Pen, Hamburgs, Brown Leghorns, Black Leghorns, Light Brahmans, Dark Brahmans, Silver Polands, B. B. R. Game Bantams, at \$2.00 per setting. E. W. Pearen, Brampton.

FOR SALE—Brown Leghorn and Houdan pullets, B. Minorca pullets and hens cheap; to clear. Lovell, Carlton West, Ont.

MORRIS MAXWELL, PATENBURG, N.J., breeds the very best Rose-comb Black Minorcas, Buff Rocks, Buff Wyandottes, Rose-comb White Leghorns, Bronze Turkeys, Rose-comb White Minorcas, Cornish Indian Games, Eggs reasonable; safe arrival guaranteed. Write for circular; state wants. 598

WHITE JAVAS—Eggs from 96 point hen and others as good.

WHITE INDIAN GAME EGGS—Sharp strain, prize winners, \$1.50 per 15; Java and W.I. Game pullets, choice, \$1.50 each; sure to please. C. V. Young, Cornwall, Ont. 498

WHITE LEGHORNS, S.C. and Golden Wyandottes, Eggs \$2 per 15; Leghorns pen headed by 1st Cockerel Industrial Exhibition, Toronto. Wyandotte pen headed by imported bird, winner in breeding pen, Ottawa, last show. Fred Travers, 661 Crawford St., Toronto. 598

LIGHT AND DARK BRAHMAS, Buff Partridge, White and Black Cochins, Black and White Langshans, Eggs \$2 per setting from large, vigorous, good colored, fine-feathered birds. A. J. Wight, Simcoe Ont.

EGGS FOR SALE—From the following: Black Leghorns, winners of all creamy prizes at Toronto, Buffalo, etc.; Buff Leghorns—our pen is headed by "Surprise," from the yards of Mr. Harris, Nebraska, who claims more prize winners, bred from this bird than any bird he ever owned; Barred Rocks, a grand pen, headed by one of Bradley's best; a few grand Cockerels of the above varieties for sale. Write for prices. S. Sisley, Sheffield, Ont.

EGGS FOR HATCHING—Black Minorcas, scoring from 92½ to 95, large and good color; White Rocks, headed by 2nd prize Cockerel at Owen Sound; fine, large, pure white birds; White Leghorns, grand in color, size and shape; Black Langshans, Dr. Robinson's strain, a few settings only; Buff Cochins Bants, real beauties, two fine Langshan Cockerels \$1 each, Eggs only \$1.25 per setting; two or more settings \$1 each. Wm. Hartry, Seaforth, Ont. 598

BARRED PLYMOUTH ROCKS—Brown, Black, Leghorns, Eggs from prize winners, two firsts on two entries, score 91½, by Jarvis; splendid layers, \$2 per 13; satisfaction guaranteed. Henry Rank, Plattsville, Ont. 299

MILLS' SUPERIOR BUFFS—Buff Leghorns, Buff Rocks, winners of 8 firsts, 9 seconds, 1 third, 8 specials at Sarnia, Owen Sound and Galt. Send for circular; it's free. Thos. H. Mills, Sarnia. 498

EGGS \$1 PER SETTING from Light and Dark Brahmas, Silver and White Wyandottes, Barred Rocks, Black Minorcas, Brown Leghorns, Cornish I. Games; stock won 46 prizes on 50 entries at Maxville show. J. J. & D. McMaster, Laggan, Ont. 498

SILVER LACED WYANDOTTES, Buff Leghorns, B.P. Rocks; my breeding pen of Wyandottes are unexcelled for color and size. Eggs from this grand pen \$2 per 13. Buff Leghorns, Willans and Dundas strain; grand pen; eggs \$1 per 13; Rock eggs \$1 per 13. R. Hollingshead, Kleinburg, Ont. 698

EGGS FOR HATCHING from twenty varieties of high-class land and water fowl eggs only \$1.00 per setting. Send for circular. W. W. Reid, Ayr, Ont. 1298

WHITE AND B. P. ROCKS, BUFF Cochins and Black Minorcas, eggs \$1 per setting. My stock is AI and I guarantee satisfaction. Also stock for sale. Isaac J. Rank, Tavistock, Ont. 598

EGGS \$2 THIS SEASON—At Woodstock, Peterboro and Cobourg only lost two firsts on White Rocks, and on Black Hamburgs only lost one first, no cock bird shown. We have all our first prize birds in our pens with last year's breeding stock. Wm. Elliott & Son, Oshawa.

LIMITED NUMBER of eggs from my Pea-comb Barred Rocks, Buff Rocks, S.C. and Indian Games. For particulars write W. P. Carter, 11 Scott St., Brampton, Ont.

NORTHROP'S MINORCAS WIN more prizes for his customers than any other four strains combined. Catalogue (free) contains pictures of 21 most noted Minorcas in America. Stock and eggs for sale. Hatch guaranteed regardless of distance. George H. Northrup, Raceville, N.Y. 109

R. AND A. LAURIE, WOLVERTON, Ont., Breeders of Black Minorcas, Spanish Silver Wyandottes, Barred Rocks, Red Caps, Langshans, Partridge, Cochins and Rouen Ducks. Eggs \$1 per setting. 698

EGGS \$1 PDR 13—Games, Irish Blk. Reds, Heathwoods Irish and Mexican Grays, Tornados and Pekin Ducks, Cornish Indians \$2. Free illustrated circular; fowls at all times. C. D. Smith, Fort Plain, N.Y. 698

WILSON POULTRY YARDS, Amherst Park, Montreal, for Partridge, Cochins and White Minorcas. Breeding stock this year scoring from 90 to 95, under J. Y. Bleknell, Eggs \$2 per 13; 26 \$3; 28 eggs, incubator and brooder, \$8.

DEER PARK POULTRY YARDS, Jas. Dundas, Proprietor, Breeder of Buff Leghorns and Black Minorcas; prizes at Ontario Show, London, on Buffs, first cock, first hen, first and third cockerels, first and second pullets; special for best single bird, also special for best collection. At Madison Square Gardens New York Show on Buffs, second Cockerel, second pullet; few birds for sale. Eggs per 13, Buffs \$3, Minorcas \$2. Deer Park P. O.

BARRED P. ROCKS, Black Langshans and Javas, Golden Wyandottes, R.C. Brown Leghorns; winners for sale always. Eggs from any variety \$2 per setting. We guarantee satisfaction; you are sure to raise winners if you get eggs from our stock; look up our winnings at Cobourg Poultry Show. Address all communications to Turpin & Peters Kingston, Ont. 498 Please mention this paper.

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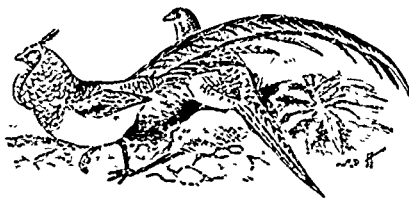
WINNERS: 2nd Cockerel, London, 1897
1st Pullet, London, 1897
1st pair birds, St. Thomas, 1897
1st pair of chicks, " 1897
1st Cockerel Ingersoll, 1897
1, 2, 3 Pullets, " 1897
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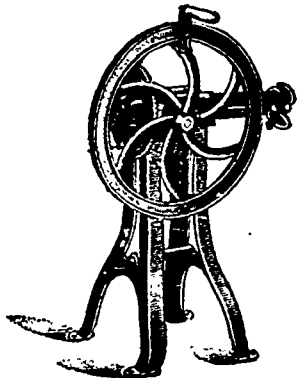
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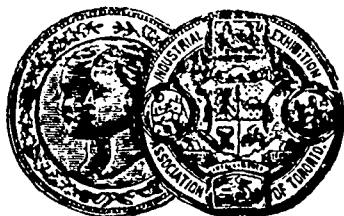
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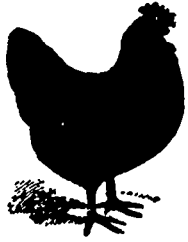
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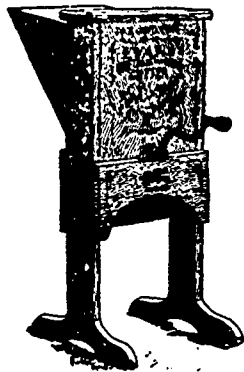
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Indian Game and Buff Rock eggs,
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I won 1st on Cock at Cleveland, 1st on Cockerel; 1st on Cockerel Toronto.

Mr. Jarvis, the judge, pronounced him the finest bird he ever handled.

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