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THE CANADIAN POULTRY REVIEW

DEVOTED TO POULTRY, IN ALL ITS BRANCHES

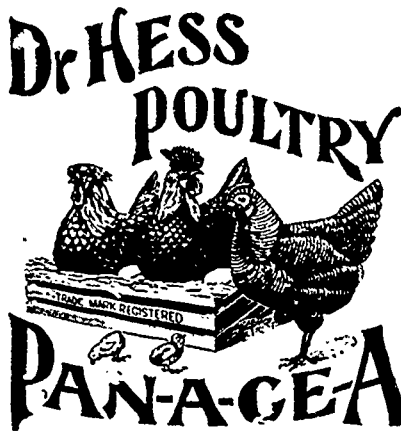
For the FANCIER, the FARMER, and the SMALL BREEDER

Vol. XXII.

124 VICTORIA STREET, TORONTO, JANUARY, 1899.

No. 1

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OF THE

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of Ontario . . .

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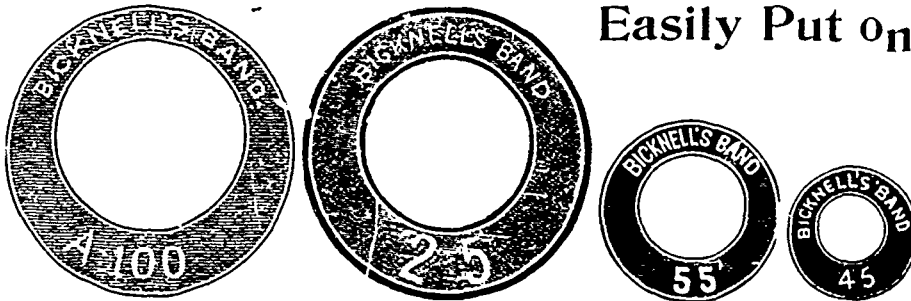
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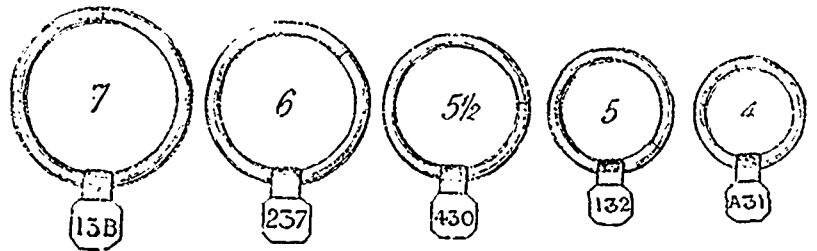
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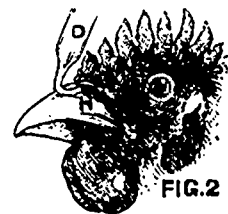
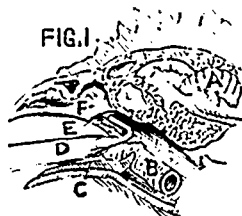
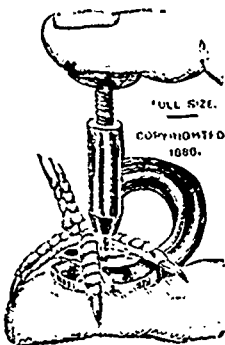
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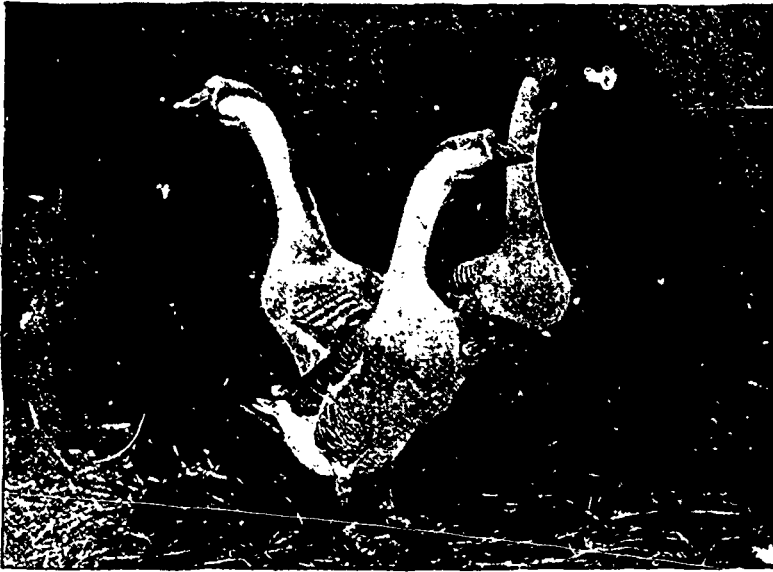
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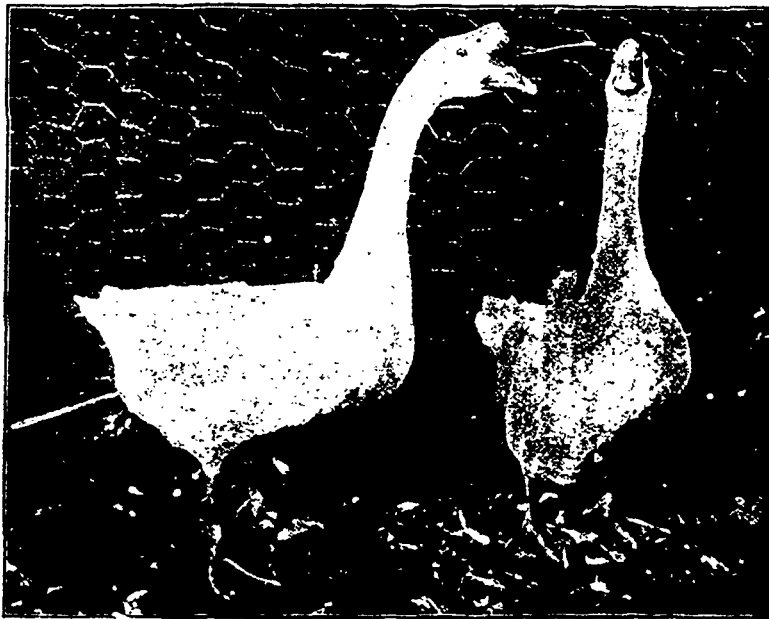


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BROWN CHINA GEESE.



WHITE CHINA GEESE.



WHITE CHINA GANDER.

This cut illustrates the erect carriage and proud attitude characteristic of both Brown and White China Geese.

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No. 1

POULTRY FROM A PRACTICAL STANDPOINT

CONDUCTED BY A. G. GILBERT, MANAGER POULTRY DEPARTMENT, DOMINION EXPERIMENTAL FARM, OTTAWA.

Note—Mr. Gilbert is nothing if not practical and experimental. He will from his rich store of information on the subject of "Practical Poultry," give REVIEW readers each month the results of his experience for the past thirty years. He will be glad to answer questions or afford information on any particular subject.

THOROUGHBREDS RATHER THAN SCRUBS.

AS the schoolboy said experience "does it," and so it does. The experience of year after year goes to prove the superiority of the thoroughbred. The breeders and fanciers have long ago found that out, but the experience of the farmer is comparatively new, but none the less welcome. Why? Because the great majority of farmers are, unfortunately for their own interests, still wedded to the barnyard fowl, or nondescript. The latter is certainly the more correct description, because while such a bird will have a "little of everything," that modicum of variety is generally the worst feature of the much mixed up breeds. There is a change, however. The wide awake farmer is fast realizing the value of the thoroughbred as a money maker. Here is an instance. Last month four barred Plymouth Rock cockerels were purchased from Mr. Joseph Gourlay, a farmer of Huntley, and were found to weigh a few days after purchase, as follows:—7 lbs 14 ozs; 7 lbs 14 ozs; 7 lbs 7 ozs; 6 lbs 15½ ozs. The birds were purchased to kill and dress for market. Mr. Gourlay will tell you that three or four years ago he knew little, and cared about as much, for thoroughbreds, but now he

knows "from experience" the difference between his birds of to-day and his neighbor's scrubs. And no doubt his neighbor is learning too. "I now send every year," says Mr. Gourlay, "to some well-known breeder for a couple of settings of eggs, so as to have male birds of a new strain to breed from next spring." Mr. Gourlay also went into bronze Turkeys, Toulouse Geese and Pekin Ducks, and what is most satisfactory he has just sold all his stock of the three last named breeds to a newspaper firm who are offering them as premiums to subscribers. Mr. Alec McLean, of North Lanark, another farmer, is also a strong advocate of thoroughbreds. "Exceptions," you say. Not at all. There are many more and their number is increasing every day. And what does it mean after all? It means an increased demand for thoroughbreds and that again means more money in the pockets of the breeders.

Besides the large poultry plants to be established or already in working order in Ontario, a large poultry plant of 5,000 hens is to be put in operation in the vicinity of Winnipeg by the Manitoba Produce and Commission Company. Another concern of more modest dimension has been built in the Province of Nova Scotia.

The boom in poultry is on. It has come to stay. A new and important department of agriculture is being opened up. An heretofore neglected mine of wealth is being developed. Poultry development is taking place in leaps and bounds. Yesterday we were talking to the farmers of the necessity of giving attention to their poultry as money makers. To-day we have farmers buying up thoroughbreds and putting them into pens by the hundred to fatten. I have just

learned that the average weight of the chickens fattened by the first "cramming" experiment at Carleton Place and Knowlton is 7 pou. ds each. That is certainly most gratifying development. The birds are to be killed and forwarded to the London, England market. Surely they will meet with an appreciative market. Experiments and shipments are made under the auspices of the Commissioner of Agriculture and Dairying.

The poultry fattening experiments are bringing out some interesting and important points, such as the capability of the "scrub" or barnyard nondescript with its small frame to carry more than a certain amount of flesh. And will any extra weight over and above a certain figure be in fat? Or will the bird remain stationary? Contra. What will the Brahmas, Plymouth Rocks, Wyandottes, Cochins and Langshans do in the way of putting on weight on their large frames. And how long will it take to get the maximum weight.

One thing is being brought out very clearly and forcibly by the timely agitation now going on for a superior quality of table poultry and larger eggs, and that is the necessity of both being sold by weight in Canada.

By all means have poultry and eggs sold by weight. Then what a rush there will be for the breeds which will put on weight in the shortest time, and the hens which will lay the largest eggs and the most of them. There is a good future in store for certain breeds, looked at, perhaps, a little askance at present. Andalusians were among the earliest and best layers at the Experimental Farm last winter.

It is said that the experience of the English housewife is that the birds which come out of the fattening pens after being "crammed," by having the food forced down their throats by machine, are too fat and greasy for a family dinner of one meat course. They do well to make one of several courses, but are too rich to be partaken largely of. With his thoroughbred Rocks, Brahmas, etc, our farmers will doubtless get the weight, without having to resort to machinery. It is an important point to get the weight in FLESH

rather than FAT. By feeding their young thoroughbreds liberally and regularly our farmers will certainly get flesh on them rather than fat, and without depriving the birds of their run.

The experimental fattening of poultry by farmers at Carleton Place, Ont., and Knowlton, Que., has been most successful. It is a matter of congratulation that it is so, for it marks a most important departure from old methods of fattening birds for local or foreign markets. It is, in fact, a new and advanced phase of poultry development. The birds in each case were about 150 in number, were cooped in specially arranged pens to hold four each, with V shaped troughs in front of them. For 15 or 18 days they were allowed to eat, of a specially prepared sort ration, all they would take. For ten or fifteen days afterwards the food was forced down their throats by a machine, worked by hand or foot, and called a "cramming" machine. The food used in the machine was of a semi-fluid condition. The rations were composed of two parts oatmeal, one of barley meal and one of cornmeal. In one case shorts were used instead of oatmeal. The chickens so fattened at Carleton Place weighed, as an average, 7 pounds each, and were sent to the English market. The second lot, fattened at Knowlton, were also sent to England. I saw some of the chickens and they were certainly very fine. They appeared to be Plymouth Rocks, or crosses of that well-known and deservedly popular breed. It will be interesting to learn what impression they make on the English poulterers and the prices they receive. There can be no doubt that a new and immense trade in such chickens with England is about to open up. The immediate effect, in a large demand for thoroughbreds, can better be imagined than described.

Prof. Robertson informed me that he had from careful experiment found that the difference in edible food between the ordinary barn yard chicken killed and cooked but not fattened, and the same description of bird cooped and fattened was as follows:—

Weight of ordinary barnyard chicken, killed and cooked, but not fattened, in edible food.....	12½ ozs.
Some kind of chicken, fattened and cooked, in edible food.....	40 "

Comment is unnecessary. But when thoroughbreds are as numerous, as they are sure to be eventually, as the scrub is to-day, the edible food will be in much greater quantity and will bring so much more money to the farmer.

An idea of the rapid development taking place in the poultry interests of the country may be had from the fact that the department of Agriculture, Ottawa, are in communication with the proper authorities of the four Provinces of Ontario, Quebec, New Brunswick, and Nova Scotia, for capable speakers to give instruction at different points, on poultry management. Also for the exhibit of fine specimens of poultry, killed, drawn and dressed according to most approved methods. It may be remembered that similar exhibits were made at the poultry shows held last winter, at London, Owen Sound, Cobourg and Peterboro, and special meetings at Ingersoll, Lindsay, Smith's Falls, Almonte, and Carleton Place.

POULTRY FATTENING.

ON Tuesday last, the Master (Mr. Gow), and several members of the Poultryers' Company, and some other friends, went to Baynards, Surrey, to visit the poultry rearing and fattening establishments which Mr. Chas. E. Brooke, Past-Master of the Company in question, has started, and is working with such success. Mr. Brooke and his liveried company have done a great deal during the last few years with a view of developing the poultry industry in the kingdom, and evidence of their efforts is very apparent at the Table Poultry Exhibition now annually held in connection with the Smithfield Fat Stock Show at Islington. Similar evidence is apparent at other shows, both in London and in the provinces.

The company referred to are assisted by Sir Walter Gilbey and a few other public-spirited gentlemen, who consider—and very rightly—that it is a disgrace that we should not make some real and tangible effort to produce what we now import in the way of poultry, eggs, and the like.

Mr. Brooke, however, not content with the mere advocacy of a matter of this sort, has himself gone into the practical part of the business, by, as we have

suggested, rearing and fattening poultry for the market. On Tuesday he showed us how it was all done, and the general impression left upon the minds of the visitors was that if one gentleman can start, in a country district, what is tantamount to a new industry, and can carry it on with success, others ought to do the same. Mr. Brooke is, as a matter of fact, highly successful in his work. He has two or three farms at which birds are reared. Around the manor at Baynards, where Mr. Brooke resides, are large numbers of poultry being fattened and sent off weekly or daily to the metropolitan market.

We put a few questions to the attendants, and the information we elicited was as follows:—The birds, when put up for fattening, are about three months old. The food used is maize meal, barley meal, oatmeal, wheatmeal, millet meal, and skim milk mixed. Mr. Brooke buys these meals tons at a time, and thus, no doubt, gets them cheaper than if purchasing smaller quantities.

After the food is mixed, it is allowed to stand for some hours, in order that the fermentation set up may subside. The birds are fattened for from three weeks to a month. The fattening process is performed by using Hearson's Cramming Machines. The birds before killing are fasted twenty-four hours. They are killed by breaking the vertebra, and not by sticking a knife into the brain, or by some other processes which are recommended by poultry-keepers. They are all plucked immediately they are killed, and the few fine hairs which may be about the body after plucking are taken off by singeing. The feathers realize about 1¼d. per pound, and are used chiefly for bedding. After the birds have been plucked, they are placed on long wood shelves, the necks hanging downwards, and the legs being tied under the body. The backs are uppermost, and the birds are placed side by side rather closely. On top of each row, a long board is placed horizontally. This is weighted with weights, the object being to press the birds into one shape, and thus give a nicer appearance than would otherwise be possible. The breasts of the birds are apparently not broken unless any of them prove to be awry. In cramming, two persons are employed in performing the operation. One is a youth, who takes, one at a time, the birds from the long rows of pens in the cramming room, and hands the same to the fore-

man of the department, or other responsible employe, who is standing at the cramming machine, ready to cram the bird. The spout of this machine, which is covered with leather, is forced down the birds mouth and neck, some six or eight inches. When there, the operator, by pressing the treadle of the cramming machine with his foot, forces about a handful of the mixed meal referred to into the crop. Care has to be taken that too much is not forced therein, or the crop may be burst. The cramming operations are performed twice daily, and it is astonishing with what rapidity a bird is taken from its pen, crammed and put back again. Mr. Brooke has something like 4,000 birds constantly on hand for fattening, and, although he used to rear the bulk of his poultry himself, he has got his system into such good working order, that the rural people for miles around have started keeping poultry, and when the birds have arrived at a suitable age, they sell them to Mr. Brooke, who fattens them for the London market. Naturally, therefore, there is always a great preponderance of cross-breeds, but we may remark that the owner of Baynard's has a good proportion of pure-bred Dorking, Indian Game, Langshans, and Orping tons.—The English "Rural World."

THE FRENCH BREEDS.

HOUDANS.

THE three chief varieties of French poultry are the Houdans, the Crevecœurs, and the La Fleches. Of the three varieties named, the Houdans are generally conceded to be the most popular and profitable, being bred to a great extent throughout the entire country. They are hardy and prolific layers of large white eggs. For table purposes they are among the best fowls. They have small bones, and the flesh is tender and delicious. The chicks are sprightly, active, and feather rapidly. They are non-sitters and light feeders; like the Leghorns, they may be fed at a small cost as compared with some of the larger breeds. They are of a medium size and of a mottled white plumage, black and white intermixed, the black slightly predominating; wing bars and secondaries, black; primaries, black

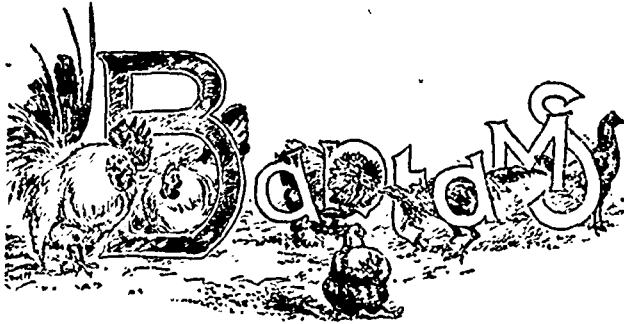
and white intermixed. Houdans are a crested variety, having a leaf comb, shaped somewhat like the letter V, which rests against the crest; crest of cock is large, well fitted upon the crown of the head, falling backward upon the neck, and composed of feathers similar in shape and texture to those of the hackle. The crest of the female is large, compact, and regular, inclining backward in an unbroken mass. A peculiarity of the breed is their having five toes, like the Dorkings; shanks and toes are of a pinkish white color. The standard weight of cocks is 7 lb.; hens, 6 lb.; cockerels, 6 lb.; and pullets, 5 lb.

CREVECŒURS.

This variety is not so generally known in this country as the Houdans, but in France, their native country, they are bred extensively for market purposes. They are considered of superior quality for the table, their flesh being white and delicately flavoured. They are of gentle disposition and do well in confinement. They have weak constitutions, and require extra care and attention to breed them successfully. As layers they are only fair, and are non-sitters. They are a crested variety, having comb and crest similar to the Houdan, and in plumage are a rich, greenish black throughout. The standard weight of cocks is 8 lb.; hens, 7 lb.; cockerels, 7 lb.; and pullets, 6 lb.

LA FLECHE.

La Fleche differs in character from the two other mentioned varieties of French poultry. Houdans and Crevecœurs are more compactly built than La Fleche, the latter being tall and rather gaunt looking, and in style and character denoting the preponderance of Spanish blood. Their plumage is a rich glossy black throughout. Their comb is peculiar to itself, being leaf, of moderate size, branching and antler like, somewhat like two horns pointing upward. They are of extremely delicate constitution and difficult to raise. The flesh of this fowl is more delicate and juicy than any variety except the Game. It is a moderate layer of very large, white eggs, but by no means so good as the Spanish in this respect; it is as a table fowl that it claims superiority. It does not mature early—not nearly so early as the Houdans or the Crevecœurs. The standard weight of cocks is 8½ lb.; hens, 7½ lb.; cockerels, 7½ lb.; and pullets, 6½ lb.—"Rural World," England.



A WANT.

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

WE find many advertising something to fill a long felt want. But all the wants are not filled. There is wanting now a first-class variety of a well-known breed, and no one seems to be able or to be willing to fill it.

At the late exhibition of the Rhode Island Poultry Association the judge of this wanted variety would not award a single first prize. The second prize was as high as he would go. The exhibitor was somewhat disappointed, because under other judges these same birds had won numerous first prizes, but he was too good a judge of the breed to think that this variety came up anywhere near to the standard of other varieties of the breed.

But I declare, I am forgetting to name the variety I am talking about. However, that, perhaps, is not so material now. This variety, as bred now, is short where it should be long, is bullet-headed where it should look lean and clean, has a big, high, bushy tail, where it should have a closely folded, low-carried caudal appendage; is in fact wrong in every particular but one—color. But it is beautiful in color. Its plumage is full of iridescent hues, and in the sunlight gleams like a precious stone. It is one of the most handsome colors in the whole list of those which clothe our domestic fowl. Isn't it a pity that it is not bred right up to the highest demands for correct shape!

If someone would do this he would win the thanks and admiration of the fancier world; he would possess one of the most beautiful Bantams in existence, he could win prizes innumerable, and he could sell eggs for hatching and fowls for breeding until his purse

would look like that of the successful returner from the Klunkike regions. With so many inducements, why doesn't some enterprising breeder attempt the solution of the problem, seek to fill this long-felt want? I confess I wonder that I don't try to do it myself, but I don't. I think it can be done, but it isn't. I hope someone will do it, but will he? To stimulate the effort editors ought to keep standing an advertisement like this,

WANTED,

A first-class black Game Bantam.

White birds will need washing before exhibition. Wash well in warm water, use pure soap, rinse out in luke-warm water, and last dip in blued water a little colder than that you use to rinse in. Dry slowly before an open fire if possible, first getting all the water possible out with sponge or soft cloths. This should be done at least three days before the show, in order to give the feathers a chance to "webb out." Cochins and Japanese might well undergo this tubbing a day or two sooner even.

Strong sun will stain the lobes of rose-combs. It is as necessary to supply shade for this purpose, as it is to preserve the purity of plumage. A little zinc ointment is useful to restore color to stained lobes and if creased they should be well worked out between thumb and finger.

Confinement during winter is apt to cause the combs of Japanese cocks to turn over or lean to one side. Give all the exercise possible and supply fresh air on dry warm days. To prevent combs and wattles getting touched with frost anoint twice a week with vaseline, but do it lightly.

Game Bantams, if allowed to roost or perch on flat perches or too broad perches are liable to become duck-footed, a fatal fault in the show pen and a disqualification in all cases. A miniature Game bird, as the Game Bantam is, should stand fair and true on its feet, and this it can't do if the bird has the fault named, that is if the hind toe inclines to the front and not backwards as it should.

To avoid this supply the birds with narrow, round perches. We have cured birds with this fault by giving them half inch rods to roost on.

Why do yellow legs lose their color? Frequently because they get too dry and scaly. A run on short grass in the early morning is a splendid preventative of faded legs.



GOOSE BREEDING.

BY CHAS. O. FLAGG.

EDITOR'S NOTE.—We are indebted to Mr. A. A. Brigham, Ph.D. director of the Rhode Island Agricultural Experiment Station, for advance proofs of this most valuable and comprehensive article on Goose Culture, and also for procuring for us duplicates of some of the engravings to be used in connection with the Report. The copies of REVIEW containing this series of articles should be carefully preserved for future guidance. The first part appeared in November REVIEW.

THE brown and white Chinas are early and prolific layers of fair sized eggs. If well fed they not infrequently lay in the autumn months, but generally those which do so lay later and fewer eggs the following spring. At the Experiment Station in 1896 and 1897, the white Chinas laid in every month from January to June, inclusive, while the brown Chinas did not begin laying until February, but continued laying freely into June. The African and Embden breeds laid about half as many eggs, in proportion to females, kept in February, as the Chinas, and nearly finished laying by June 1st. In 1897, one African egg was laid January. The Toulouse breed laid about all their eggs in three months, March to May, inclusive, as in the two years only one egg was laid in February, and two in June, by the eight females kept.

There was but the fraction of an egg difference between the average number laid by the brown and the white Chinas, and the average was higher than that of any of the other three breeds. The eggs of the two China breeds were of about the same average size and weight—5.4 ounces for the white China, and a tenth

of an ounce more for the brown China. This weight is some 1.2 ounces less than the average weight of the eggs of the Africans, and about 0.8 of an ounce less than the weight of those from Toulouse and Embden geese.

China geese are not favorites with those who raise goslings for sale to poultry men who fatten them and put them on the market as green geese. They are too small to be profitable for such a market. When a small boned, moderate sized goose is required for the fall or Christmas trade, these breeds would prove valuable, as they lay well, and, with proper care in selecting breeding stock, large flocks should be raised. The brown Chinas, especially, seem very vigorous, hardy, and active, but pick hard, and require care in dressing to look well. The white China has, with us, been the poorer breeder, but is usually not so difficult to pick, and is handsomer in appearance when dressed.

CANADA.

The wild or Canada goose is bred pure in a domestic state perhaps more extensively than the brown and white Chinas. In fact, these three breeds are in demand as ornamental water fowl for parks and private grounds. The Canada gander is also used for mating with the African or Toulouse goose—the former is preferred—for the breeding of the "mongrel," or "wild mongrel," as it is sometimes called, and which has the reputation of being second only to canvas-back duck in quality and flavor when properly prepared for the table. For this purpose Canada ganders of good size and tested breeding qualities are highly prized, and vary in price from ten to fifty or more dollars each. The importance of size in the production of mongrels has doubtless had its effect in the selection of the largest Canada birds for breeding pure; a course which has resulted in more than doubling the size, as is seen by comparing the weights required for this breed in the show room, and the weights of adult wild specimens, as given by Audubon. To win a prize at exhibitions the Canada gander should weigh 16 pounds, the goose 14 pounds; the young gander 12 pounds, and the young goose 10 pounds. Audubon gives the weight of the male Canada goose as 7 pounds, and that of the female as 5¾ pounds. We quote the description of this goose from the same author. "Head small, oblong; bill

shorter than the heads ; neck long and slender ; body full, slightly depressed ; feet short, stout, placed behind the center of the body ; legs bare a little above the joint ; wings of moderate length, with an obtuse protuberance at the flexure ; plumage close, rather short, compact above, blended on the neck and lower parts of the body. The feathers of the head and neck very narrow, of the back very broad and abrupt, of the breast and body broadly rounded : wings when closed extend to about an inch from the end of the tail ; tail very short and rounded ; bill, feet and claws black ; iris (eye) chestnut brown ; head and two upper thirds of the neck glossy black, forehead, cheeks and chin tinged with brown ; lower eyelid white ; a broad band of the same across the throat to behind the eyes ; rump and tail feathers also black. The general color of the rest of the upper parts is grayish brown, the wing-coverts shaded into ash gray ; all the feathers terminally edged with very pale brown, the lower part of the neck passing into grayish white, which is the general color of the lower parts with the exception of the abdomen, which is pure white, the sides, which are pale, brownish gray, the feathers tipped with white, and the lower wing-coverts which are also pale, brownish gray. The margins of the rump and the upper tail coverts pure white. Female similar in coloring, although the tints are duller, the white of the throat is tinged with brown ; the lower parts are always more gray, and the black of the head, neck, rump and tail is shaded with brown." The mating of Canada and African geese produces a mongrel strongly resembling the Canada goose in color of plumage and distinguishing marks. In dressing for market the feathers of the head, two-thirds or more of the neck, the wings and tail are left on the bird, and serve to identify and guarantee the genuineness of its breeding. When Canada geese are crossed upon white domestic geese the color of the progeny is very uncertain, and, although genuine wild mongrels, their doubtful color causes distrust on the part of the purchaser, and injures their market value. The Canada goose lays usually from 6 to 9 eggs, but occasionally lays more in a domestic state. One breeder of experience has known a wild goose to lay 19 eggs in a single season, but such productiveness is very rare. He also states that, with extra care and feeding, the wild goose may be persuaded to lay two litters of eggs in a season, but

ordinarily she lays only one. The Canada female likes a secluded place for nest making, where she will be free from disturbance, and, like the wild or wild-cross hen turkey, is liable to steal away to some unfrequented spot which she can utilize for that purpose. In the spring of 1897, the writer, walking across a pasture, was much startled by the sudden screaming, hissing outcry of a wild goose, as she departed, half running and half flying, from her stolen nest. She was sitting upon 6 eggs, all of which she hatched. She was about a fourth of a mile from the house of her owner. The goslings are hardy little fellows, imbued with some of the independence and self-reliance born of an ancestral life in the woods and fields not many generations back. They are of a muddy green color, with dark bill and legs. After hatching, their care and feeding does not vary materially from that given to goslings of the domestic breeds.

IMPROVEMENT OF BREEDS.

Very few of the great number of breeds of domestic live stock of all kinds, including poultry, are the pure, direct, and only breed descended from a single wild species. Crosses, natural or artificial, have been made from time to time, which, by long years of patient, persistent, and systematic selection and breeding, have resulted in fixed types, possessing certain desirable qualities, and capable of reproducing the same, which are then called breeds. These breeds are a great improvement over the original stock from which they have been deprived, in that the size, the ability to produce flesh, milk, wool or eggs economically in proportion to food consumed ; to develop speed, to exert strength, or to please the eye by beauty of proportion or color, far exceeds that possessed by the original type. In the development of breeds, all has not been gain. Too often constitutional vigor has been impaired, and ability to withstand disease lessened, while in some cases the pre-disposition to lay on flesh has gone so far as to seriously interfere with normal reproduction. In-and-in breeding, which has almost universally been employed in the production of new breeds, has been cited as the cause of the faults just enumerated. While it is certainly true that injudicious and unscientific in-and-in-breeding will ruin the constitutional strength of the progeny, it is equally true that without some in-breeding it would be impossible to develop and maintain the good qualities of different

GALT

GALT POULTRY AND PET STOCK ASSOCIATION will hold their 2nd Annual Show on January 17th, 18th and 19th, 1899. Good building, well heated and lighted. Cash Prizes. Large List. All birds will be scored. L. G. JARVIS, Judge.

Exhibitors wishing birds to go to Brantford will advise the Secretary, who will see that they are properly sent.

Come to Galt, go to Brantford and then to Hamilton

Send for Prize List.

Entries close January 14th.

W. D. MCKENZIE, President.

J. W. PORTEOUS, Secretary.

THE GRAND INTERNATIONAL POULTRY AND PET STOCK ASSOCIATION OF

BRANTFORD WILL HOLD THEIR **2nd ANNUAL EXHIBITION**

January 20th, 21st, 23rd and 24th, 1899

Liberal Cash Prizes. LARGE LIST OF BOTH POULTRY AND PIGEONS.

Large show room, well heated and lighted, and you get your money before you leave.

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22 James Street, Brantford, Ont.

HAMILTON AND WENTWORTH POULTRY, PIGEON AND PET STOCK ASSOCIATION
WILL HOLD THEIR

ANNUAL EXHIBITION (OPEN TO THE WORLD)
on the

25th, 26th, 27th and 28th of JANUARY, 1899.

A commodious hall on the ground floor on King Street has been secured and every accommodation will be offered to intending exhibitors. Birds will be well taken care of and fed by careful superintendents.

SHARP BUTTERFIELD AND C. F. WAGNER, Judges.

ED. DICKENSON, JR., President.

W. J. McFADDEN, Secretary, 89 Murray St. E., Hamilton.

PETERBOROUGH POULTRY AND PET STOCK ASSOCIATION WILL HOLD THEIR SECOND ANNUAL EXHIBITION ON TUESDAY, WEDNESDAY AND THURSDAY,

JANUARY 17th, 18th and 19th, 1899, in the

MARKET HALL, in the TOWN OF Peterborough

Open to the world. Liberal cash prizes and a large list of specials. Single birds. C. J. DANIELS, Judge. Special Railway and Express Rates from all points. Entries positively close January 10th, 1899.

For Prize List and all information, address

JOHN A. DAVIDSON, President.

WM. COLLINS, Secretary Treasurer,

No. 126 Romaine St., Peterborough.

breeds. Few, if any, breeds of stock have reached a point where further improvement is not possible, but the greater the perfection the more difficult the improvement. Our breeds of poultry have been developed to a point of great perfection in form and plumage, but how much yet remains to be done in the way of egg production? As the profit from goose breeding is almost wholly in the number and market value of the young birds produced, the quality of large egg-production is an all-important one. As has been mentioned on a previous page, this quality is affected by the care and feeding, and may be increased by attention to the selection of both ganders and geese from noted egg laying strains. This is only possible by keeping an accurate record of the eggs laid by individuals in the flock, and how few goose breeders do this? The tendency to rapid growth and early maturity, combined with good size and a small proportion of bone and offal, should be given the attention which their importance demands. There is abundant opportunity for those interested in breeding pure bred geese to develop their stock along the lines indicated, and make for themselves a reputation which will bring its pecuniary reward, for the pure breeds will ever be the source from which those who wish to grow the most profitable market birds must obtain their stock.

As improvement must come through the selection of the best, and the constant culling out of those not up to a high standard of perfection, some means for the identification of individuals is necessary. The small breeder can readily distinguish each one by some characteristic, but even then it is well to have some permanent record which will serve to identify each member of the flock.

MARKING.

Metal leg bands of various forms and sizes can be readily obtained already stamped with numbers, and one can easily be fastened around the leg of a goose; and a record made of the number. Geese, however, frequently lose these metal bands, and it is generally safer to have a more permanent mark made by punching the web of one or both feet. For this purpose a belt or harness-maker's punch is used, cutting a hole about one-fourth inch in diameter, which does not so readily grow up as a smaller one. In punching the web of the foot a piece of firm sole leather is placed against the web, on the under side, to serve as a

cushion for the cutting tube, and enable the operator to cut a smooth, round hole, with little pain or inconvenience to the goose. By holding the foot to the light the position of the principal blood-vessels can be readily seen and avoided in punching the web. Very little blood, however, is lost at any time, and the cut quickly heals. In fact the hole will often be completely closed by new growth, but a slightly thickened and perfectly smooth skin will cover the spot, so that the mark is permanent even if the hole closes up. Marked as above, geese are easily identified at any time, and when one attempts to keep individual records some such method of marking is indispensable.

CROSS BREEDING.

This term has sometimes been employed to define the use of a pure bred male upon females of mixed and uncertain breeding, the progeny of which is properly called a "grade," and continued use of males from the same pure breed with grades so produced is called grading up. When wisely done, such a method is productive of excellent results at a very moderate cost. The use of pure bred sires from beef breeds in the herds of cattle on our western plains is a good illustration. Steers now get their growth and are ready for market at least a year younger than formerly, and furnish many more pounds of meat in the higher priced cuts in proportion to total weight. But a strict definition of the term "cross breeding" confines it to the mating of animals of distinct breeds, and therefore does not properly include such a course of breeding as has just been described and termed "grading up." The advantage of cross breeding lies in the fact that a first cross appears to possess characteristics which give it an advantage over either of the pure breeds from which it was derived. Warfield says: "It has been well settled that such crosses are very fruitful in vigor and vitality." This means a strong constitution and good appetite, which go far toward making a profitable animal. At various fat stock shows the honors have been repeatedly secured by cross-bred animals, or the progeny of very high grades of one breed bred to another pure breed. Prizes so obtained testify to the ability of the cross-bred to make a greater gain in weight in a less number of days than the pure bred. The good effect of crossing does not, as a rule, however, extend beyond the first cross, for when bred together general deterioration rapidly takes place.

(TO BE CONTINUED).

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I would exchange a pair of Buff Pekins for a pair of yearling Black Cochins. Must be good. Write me for prices and further particulars.

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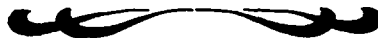
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VISITORS ALWAYS WELCOME TO INSPECT MY STOCK.

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DUCK FARMING IN FRANCE.

BY EDWARD CONNER, PARIS, FRANCE.

IN France the drake is called a "canard," the duck a "cane," and the ducklings "canetons." For all industrial purposes there is but one race of ducks for the French—the Normandy or Rouen. The only change contemplated is to give a trial to the Aylesbury breed—not very hopeful, but to endeavor and imitate one of its qualities for the Rouen bird, that of producing ducklings ten to twelve weeks old, for the London market in spring. The Rouen or domestic duck is descended from the Mallard, or wild bird. The domestication is not difficult and can be effected within three generations. Besides, it occasionally happens that by accident the wild and the tame birds cross. The Rouen duck is a large bird, and in form and color does not change. The female remains invariably brown in plumage; the male is of large size; its plumage is very brilliant; the bill is yellow and marked with black spots; the head is green and it has a demi-white ring upon the neck; the breast is of a chestnut brown with white borders, and the wings, a greyish chestnut; the stomach is of a clear grey, and the legs strong and yellow. The back has the peculiarity of being perfectly horizontal. The duck is not a difficult bird to rear; though in some cases water can be dispensed with, that element is a necessity for the life of the bird. Living away from water, whether river, pond, or stagnant pool, affects the laying, as few eggs are produced, besides rendering the flesh both tough and stringy. It must be always plunging its beak into the water or mud to find worms, insects, larvæ, fish, or weeds. On land the gait of the duck is awkward and embarrassed, but on the water it is in its veritable element, and where it swims with graceful ease. The duck is easily fed, its appetite is voracious and its digestion rapid. A few grains in the morning with boiled beet, or salad leaves, or a few mashed potatoes wetted with dish water; then allow it to roam and feed for the day. On return home for the night, a similar diet will pay. Ducks are never in better health than when allowed to live in the open air day and night. Of course that is not always possible, as among the dangers to which the birds are subject are, to be visited by foxes, polecats, a species

of weasel, and poachers. When lodged, change the straw of their bed often. The small variety of the Rouen breed lays more eggs than the larger size, but the latter is best by far for fattening purposes; hence the importance of volume. A good Rouen duck for roasting can weigh from six to eight pounds.

A drake is generally allowed six to eight female birds. Laying commences in March and can continue for twelve weeks, the eggs being of a dullish white, or green color. They are not of so delicate a flavor as a hen egg, and are of a drier texture. They are in marked request by the pastry cooks in Paris. A duck can lay thirty to sixty eggs, or even more in the season; but they must always be taken away when laid. The laying generally takes place at night, or early in the morning. The bird has the proclivity to make its nest near water courses and ponds, among rushes, sedge, coarse grass, etc., and there lay. That tendency must be watched. The duck in any case does not make a good hatcher; during incubation she is rather inclined to be slightly wicked, and as soon as the young ones come out of the shell, she will rush at once with them for the water, deserting such eggs as are incompletely hatched. The brooding lasts twenty-eight to thirty-one days. A turkey is reckoned a good bird to hatch duck eggs, but there is a liability that she may walk upon the ducklings and so crush them. Hence the importance of the ordinary hen; she at least is attentive, devoted, deeply interested in her foster family; but the young are ungrateful; to care for and bring them back out of the water, she will not hesitate, if it be not too deep to wade in, and so exercise her influence. The duck hatches once a year, but if carefully attended and well fed, a second brood can be counted upon. The number of eggs placed for hatching is thirteen to fifteen; after the tenth day, all are examined, and those addled, removed. A little animal food, such as meat meal, has the reputation of encouraging the laying. The first food which the ducklings receive is a paste composed of buckwheat and barley meals, wetted with skim milk but not curdled; after ten days, chopped nettles and water cress can be added. The young birds must be kept away from the older poultry for a time, until they are able to defend themselves; they should also be protected from exposure to rain. In the place where they are lodged, which ought to be ever dry and warm,

MINSHALL'S BLACK MINORCAS
 HAVE WON EVERY FIRST
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place a large plate (or trough) full of water beside their food, where they can amuse themselves. When six months old the duck is adult, but can be fattened for the table, for it makes excellent eating poultry, especially when aged twelve weeks, or just before the moulting period commences.

The fattening of ducks is important, and represents the work of fourteen to twenty days, if well conducted. Place the birds in a quiet, semi-obscure shed, where they will not be subject to any disturbance. For the first two days they will lose flesh, but that fact need not cause any anxiety. Give the birds plenty of food such as barley, buckwheat or maize meal three times, at least, daily; not more water than is required to assist digestion—up to the suffocating point. They should be "caged in," if a "big liver" be an end in view. In some parts of France the ducks are wholly fattened with maize flour, or merely maize softened in water; this treatment in the course of a fortnight secures the desired voluminous liver of nine to eleven ounces in weight. When the tail of the duck spreads out like a fan, and no longer closes together again, it is an indication that the bird has arrived at the full stage of its fattening. The flesh of the duck is much more prized than that of the goose, though lacking the fine flavor and bouquet of that of the wild duck. The liver has won a reputation, as the pies of Amienne illustrate, and the terrines of Nerac, and of Toulouse testify. The grease is also fine. The feathers are sold for bedding, though they are not so good as those of the goose. The duvet, or down, is wholly employed for edredons, or eider-down quilts for beds and cradles. Some growers pluck the ducks for their feathers before the commencement of the moulting season, as is adopted in the case of geese; the plucking is performed under the breast, the wings and about the neck. After a hatching, fatten off the birds of the preceding year; the young broods give better eggs and yield more juicy flesh.

The French duck breeders are only now becoming alive to the importance of having a supply of young birds for the London spring markets, which till now remain a monopoly with the Aylesbury race. The latter, by extreme attention and careful feeding have been brought to lay eggs in winter, twice a year in a word; this allows of ducklings to be supplied to the

London market, when eleven to thirteen weeks old, and to command fancy prices, for the supply does not equal the demand. That is the aim of the French farmer; the Rouen duck has not taken kindly to the winter laying of eggs, as yet, at least—if that fails, the Aylesbury duck will be relied upon. To secure the winter eggs the ducks must above all be well fed, and kept warm, and studied care devoted to the collection of the eggs for hatching purposes. Indeed, it is a question of good feeding—grain and plenty of water, and warmth; the careful nursing of the ducklings in warm rooms or sheds is essential. The peasantry in France is always glad to accept to "board and lodge" such little strangers in their cottages, for a trifling sum.

Ducks, like geese, are not subject to many diseases; diarrhoea is their principal ailment, then the "tournis" or apoplexy, the swimming round of the head. Many ponds contain leeches that should be avoided, and the henbane and hemlock are venomous plants, though great favorites with ducks. Fresh milk and rhubarb are good to be drank against the herbal poison. For diarrhoea, barley, cooked peas, and bread steeped in wine are excellent remedies. During the moulting season, a little hempseed with the food is to be highly recommended. A pair of Rouen ducks can fetch from twelve to twenty francs easily in the Central Market of Paris.

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TORONTO, ONT.

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Nothing so precarious as the good health of your feathered stock. No disease carries off so many as the attacks of vermin. Perstic Hen House Spray and Poultry Powder radically and permanently removes all sorts of insects, lice, etc. Once applied it keeps the sheds clean for months. In addition it purifies the atmosphere, etc., keeping it fresh and destroying disease germs, a valuable feature in winter when the cold hampers efficient ventilation. 50c. bottle.

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Partridge Cochins and White Langshans for Sale—My entire stock of these two varieties, including prize winners at the Ontario and other leading shows of Canada. They must all go and will be sold cheap. A grand chance to get first-class birds. Write to **W. E. Robinson**, 220 St. James St., London, 199

CANADIAN TURKEYS FOR BRITAIN.

UNTIL recently it has been usual in the trade in Great Britain for different firms to make a specialty of dealing in the products of one particular country. It is becoming more common for individual firms to handle poultry from several countries. This will ultimately result in the poultry of the best quality and in the best condition finding its way quickly into the hands of the best customers. Poultry has not been generally used as an article of diet in the same sense as beef, mutton, and bacon. The price was, relatively, considerably higher. When Canadian turkeys become known in Great Britain, and are available there at reasonable prices, at which they can be laid down with a profit to the producers in Canada, they will no doubt create an ever-growing demand for themselves. Formerly turkeys were obtainable only from November till March; now, through the facilities provided by cold storage, they are found on the bills of fare in nearly all hotels every week of the year. While they do not appear so generally after March on the tables of private houses, no doubt there will be an increasing demand for them at what was formerly out-of-season times.

As a rule, the turkeys in Northern France and in many countries in England are fattened to a better finish than the turkeys in Canada. The practice in these places is to feed the turkeys particularly well for about three weeks before the time at which they are to be killed. During the fattening period the turkeys will gain in weight quicker and produce a better quality of flesh if they are kept in large sheds. The sheds may be wire-netted in front, as the birds must have plenty of light and fresh air. Ten feet square of floor room will be enough for every ten turkeys. The sheds should be furnished with perches made from scantlings slighted rounded on top, about three inches wide, and about three feet above the ground. These may be removed during the day-time.

The shed should be kept clean. A quantity of coarse grit and sand should be provided. Fresh straw should be put on the floor quite often.

Meal composed of a mixture of ground oats, ground barley, ground wheat, and ground buckwheat makes a

first-class food. It should be prepared in the form of a paste or dough, mixed with skim milk, sweet or sour. Some feeders prefer the sour milk. This soft feed should be given in the morning, and also in the afternoon. During the fattening period it is not profitable to feed whole grain, unless it be boiled and steamed quite soft.

During the last ten days of the fattening period it is a good plan to add about half an ounce of fat per bird to the fattening mixture. That gives the flesh an exquisite, soft quality. The feeding of Indian corn is said to result in a yellow shade of flesh, most noticeable in the fat of the fowl.

The effect of feeding milk is to whiten the flesh, which is desirable. Regular feeding in the manner indicated will cause the birds to put on a large quantity of good flesh on the most valuable parts. The French poultry fatteners put one-third ounce of salt per quart in the water used in preparing the food.

JAMES ROBERTSON.

SOME OF OUR VISITORS.

The following gentlemen have signified their intention of visiting the big combined show at Toronto: Messrs. B. Holmes, Albany, N.Y.; H. A. Bridge, Columbus, Ohio; C. C. Depuy, Syracuse, N.Y.; A. P. Groves, Philadelphia, Pa.; D. Lincoln Orr, Orr's Mills, N.Y.; F. L. Mattison, South Shaftsbury, Vt.; A. E. Blunck, Johnstown, N.Y.; J. W. Darrow, Chatham, N.Y.; Warren F. Darrell, Franklin; Geo. E. Peer, Rochester, N.Y.; Geo. Seeger, Jr., Lafayette, Ind.; F. L. Sewell, New Troy, Mich.; and from Canada, Hon. John Dryden, Prof. James Mills, and Mr. A. G. Gilbert.

MR. OKK

denies the "soft impeachment" but admits that he has been very busy all fall putting up extensive houses on his new place, where he will have excellent accommodation and unrivalled buildings. Well, we hope to have the pleasure of "congratulations" some day.

Oat hulls make the best possible litter for the Bantam house. They are dry and clean, soft and sweet, and contain many little scraps which the "banties" know how to make use of. We pay in Toronto forty cents per hundred pounds for them delivered in bags, and they are cheap at this as they are light and bulky.

Hamilton and Wentworth

Poultry, Pigeon and Pet Stock Association

SHOW Jan. 25th to 28th.

Entries close JANUARY 21st
See Page 8 of this issue.

THE
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Poultry Judge—SHARP BUTTERFIELD. Entries close January 16th, 1899.
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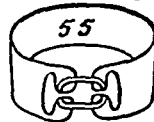
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The "PEERLESS" LEG BAND

Made of Aluminum. Is bright. Stays bright.



This band is light, neat and durable. It is easily put on and it "stays on" SURE. To put Band on, place it around the fowl's leg. Press it together. Then take the small locking piece with slot in it and slip it over the parts of the band that project outward. Then turn locking piece so that slot runs in the same direction as the band, i.e., horizontally. Then bend down backwards the two projecting pieces, flat with the rest of the band. The band is then on "to stay." This is extremely important, for it is most provoking to have a lot of birds scored and a week later find half the bands off. To have the birds scored again costs money. The "Peerless" stays on. It CAN'T come off. Price, post paid, 30c. per dozen. State breed and sex when ordering.

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USE GUEST'S ROUP OR TONIC AND CONDITION PILLS.

If your fowls or pigeons have Roup, even if almost dying, give one Pill every day, for four or five days.

They are especially suited for Roup, Rousy diseases, Bad Moulting, Bad Fledging, Weak Young Pigeons, Chickens, Turkey, or Ducks, &c. For General Unhealthiness in Birds, either young or full grown. Skin diseases, Inflammatory diseases, Colds, with great difficulty of breathing. Indigestion, Cramp, Pip, when Apoplexy is feared, and going Light if given before the vital organs are too much affected. As a tonic give an occasional dose when required. For pain and Inflammation in the Egg-producing organs. When used for Egg-bound, oil must also be applied in the usual way. From weakness and prostration from Overlaying. For Scour or Diarrhoea in Chickens, young Pigeons Turkeys, &c. Canker. Leg-weakness.

Since the introduction into Canada of these Pills, the Agent has received numerous letters from Fanciers all over the Dominion endorsing the Pills in the highest manner.

READ THIS

DEAR SIR,—I can recommend them to be the best. I tried several other receipts, but no good. I had one hen nearly blind. I gave her three Pills. She is now in good trim. Send me another packet.—B. J. YORK.

WARDSVILLE, Ont., Jan., 1897.

SEAFORTH, Ont., Oct. 6th, 1886.

DEAR SIR,—Please find enclosed one dollar for your celebrated Roup Pills. A brother fancier met me in the street to-day, he wished to get the pills, as he had some sick birds. He used them last winter and found them good. A good article always will recommend itself.—JOHN FINCH.

Sold in Packets for 25 Cents and One Dollar. Address James H. Cayford, Box 1168, Montreal

Incubator & Brooder Department

We invite correspondence for this important department of commercial poultry raising, which is growing so rapidly in Canada.

WHAT CAN BE DONE AND WHAT WE HAVE DONE.

BY H. J. WOOD, HULL, QUE.

WHILE reading the December number of the REVIEW I was struck with the discouraging aspect of part of the Utah Experiment Station Report as it stands, and with the different aspect it might have worn financially if the product had been handled in a different way. I take in particular Pen 1 of 4 hens, each of which laid 64 eggs at a food cost of 53¼ cents, so returning a net revenue of 2¾ cents per hen. Now, Sir, in my judgment, any man who finds himself in a similar situation and sells his 64 eggs for 56 cents is throwing money away, for if he would only turn them into chickens, or if not all, at least a part of them, he could make his profit 50 per cent. instead of 5 per cent. ; in this way, of these 231 eggs from pen 1 there were laid in March 38, in April 54, and in May 59=151 in all, just enough to fill a fifty-egg incubator three times ; the layers being all matured hens it follows that the result of the three hatchings would not be less than forty pairs of chickens, of which probably twenty pairs would be cockerels, worth at six months old for table use easily 40 cents per pair, and forty pullets, worth at laying age 75 cents each ; also there would remain unhatched eggs to the value of 80 cents, bringing the total revenue to \$38.80. As against this the charge would be for the layers: amount paid for feed \$2.13, possibly twelve gallons of coal oil for hatching and brooding, for feed to raise eighty birds to six months old, allowing something for those hatched and not living to selling age, say 20 cents each, \$16, and feed for the male birds, 30 cents each, a total of \$21.43, which, deducted from the gross revenue of \$38.80, leaves us a profit of \$17.37, or 8 per cent instead of 5 per cent. I know it may be objected that this means work, but if the ordinary chicken raiser will look

abroad into the world he will see nearly every person selling something ; if he will then look at himself he will see that about the only thing he has to sell is his labor, and it is in proportion that he deals wisely with his own labor that he is prosperous or otherwise.

I wish to be understood as not in any way reflecting upon the work of the Utah people ; they had certain lines laid down upon which they were to work, and they appear to have carried out their experiment successfully. All I wish to explain is this: having regard to the fact that eggs are apt to be scarce in winter, let us treat them not as revenue but as capital. It can be done, and with the consent of the Editor, I will in a future number give some particulars of our own experience in artificial hatching. I will only say this now : This fall we have hatched 85 per cent. of fertile eggs from a lot bought for 15 cents per dozen at a local store. This is surely an eye-opener for the many who doubt the practicability of artificial hatching.

Mr. Wood has kindly consented to give us the results of his experience in four articles to appear at once.—Ed.

Mr. W. H. Graham of Bayside Poultry Farm, Belleville, who has been very successful in the artificial raising of poultry, has kindly consented to supply us with several practical articles on this question. Mr. Graham will be out on Farmer's Institute work during all January.

An article by Mr. C. J. Daniels on "Artificial Incubation," illustrated with engravings showing eggs in process of incubation, will appear in next issue of REVIEW.

The Setting Hen is a Nuisance and Out of Date

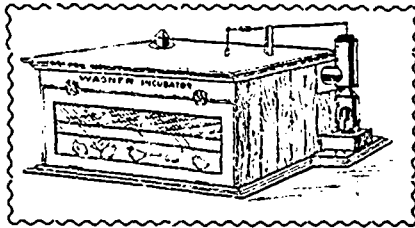
Keep her laying and hatch your chickens in a

Safety Incubator

Our 70-Egg \$12 Hatcher beats anything of the kind out. We guarantee that there is no hatcher made anywhere that can beat the Improved Safety. Circulars free.

J. E. MEYER, Kossuth, Ont.

WAGNER INCUBATORS are the best



Are Self-Regulating and have Drying Rooms underneath Egg Trays.
A Thermometer and Egg Tester go with each machine.

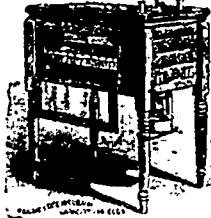
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PRAIRIE STATE INCUBATOR QUALITY



is attested by 200 first premiums in all kinds of competitions with all kinds of machines. You remove every doubt when you put your eggs in a "Prairie State." It means a healthy chick from every fertile egg. Sudden changes in temperature cannot affect results.

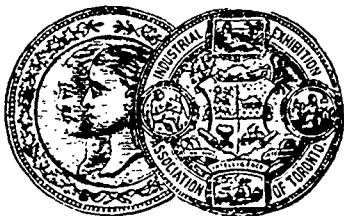
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You may regret it if you buy an incubator before you get our 168-page catalogue and supplement.

PRAIRIE STATE INCUBATOR CO., HOMER CITY, PA.



SHOEMAKER'S POULTRY BOOK and Almanac for 1899, 160 pages, 100 illustrations of Hens, Incubators, Brooders, Poultry Houses, etc. Tells how to raise chickens successfully, their care, diseases and remedies. Diagrams with full descriptions to build poultry houses. All about INCUBATORS, BROODERS and Fancy Poultry, with Lowest Prices. Price only 15c. C. C. Shoemaker, Freeport, Ill., U. S. A. 399



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Highest Awards at Toronto Industrial Exhibition

Winning 2 Silver Medals and Bronze Medal

Guaranteed to do as good work as the best Yankee Incubator, if not better. The following is from a well known resident of Toronto:

21 King Street West, Toronto,
May 17, 1898.

My fourth hatch for this season has just been completed, with the following result: 109 eggs, 96 fertile, 96 healthy chicks.

[Signed] L. H. BALDWIN.

Before you place your order, write for our Circulars and prices. Address

**T. A. WILLITTS, 514 DUNDAS ST.,
TORONTO, ONT.**

In the country, village, or in the suburb money may be made in the poultry business by the employment of correct methods. You can't afford to keep hens to hatch and brood your chicks. A better and more economical plan and one more certain of good results will be found in the use of the

RELIABLE INCUBATOR & BROODER.

The remainder of the story and plan of procedure is in our Book on Incubation and Poultry. Send 10 cents for it.

**RELIABLE INCUB & BROODER CO.,
QUINCY, ILL.**



THE GAME CLUB SPECIALS.

To stimulate interest the Game Club offers \$50 in cash specials at Chicago, apportioned as follows: On exhibition Games, five dollars for the highest scoring, and \$2.50 for the second highest scoring cock, cockerel, hen and pullet of any variety. Five dollars for the five birds of one variety scoring the largest total number of points, and owned by one exhibitor, no birds scoring less than 90 points to compete.

On Game Bantams, five dollars each on the highest scoring male and female of any variety. Five dollars for the five birds of one variety, scoring the largest total number of points and the property of one exhibitor, no bird scoring under 90 points to compete.

The above specials can be competed for only by members of this Club.

In addition to the regular Club specials, Mr. D. C. Buckstaff, of Oshkosh, Wis., offers a \$10 chair for the largest exhibit of exhibition Games of one variety scoring not less than 90 points each and the property of one exhibitor.

Mr A E Blunck, of Johnstown, N.Y., offers \$2.50 each on the highest scoring male and female birchen Game Bantams.

Competition for the Buckstaff and Blunck specials is open to all.

It is hoped that the Game breeders will be at the show in full force, bringing their birds with them; for the specials herein enumerated and the regular prizes

offered by the show management certainly make it an object to exhibit.

It will be a splendid opportunity for the Game men to become acquainted and every one not now a member should come prepared to join the Club and help the good cause forward.

The annual meeting of the Club will be held in the show building Thursday, January 13th, at 8 p.m. All members are requested to be present to help transact the regular business of the Club, and to confer regarding its future welfare.

J. C. PRATT, Secretary.

AMERICAN BLACK MINORCA CLUB.

THIS club will hold its fourth annual meeting in Madison Square Garden, New York City, Thursday, February 2nd, at 2.30 p.m. Everything possible is being done to make this the largest and best attended meeting ever held. The exhibit of black Minorcas promises to be the largest and finest ever seen in a show room. The following specials will be competed for. Club trophy, value \$250, for best cock, hen, cockerel, pullet and exhibition pen; New York State cup, value \$25, for best cock, hen, cockerel, pullet and exhibition pen; Board of Directors' cup, value \$15, for best five males; secretary's cup, value \$15, for the best three cockerels and best three pullets; silver cup, value \$10, for best six pullets; judging stick, value \$5, for best exhibit; \$5 in gold, for best exhibit in open classes; \$5 in gold for best two cocks and best two hens; \$5 in gold for best two cockerels and best two pullets; \$5 in gold for best two exhibition pens; \$5 in gold for the largest exhibit. Other specials are promised. Competition will be very keen, and a prize won at this meet of the club will be of the highest value, especially as it is admitted by all that New York is the leading show of America. F. B. Zimmer has again been selected to place the awards, receiving more votes than all competitors combined. This insures justice to all exhibitors. Every club member and admirer of black Minorcas should offer a special and enter some birds. Let us all pull together and set the pace for other specialty clubs.

JOHN A. GAMEWELL, Sec'y.

Hackeusack, N. J.

CENTRAL OHIO FANCIERS CLUB.

THE above Club will give their annual exhibition in Columbus, Feb. 16 to 21, 1899. Would be pleased to have your fanciers show with us. I will mail you premium list when completed.

J. C. ROWE, Secretary.

AMERICAN WHITE MINORCA CLUB.

THE American White Minorca Club has been organized and the following officers elected: President, J. W. Lyder, Akron, Ohio; Vice President, W. W. Browning, Ogden, Utah; Secretary, Wm. Sapper, Erie, Pa.; Treasurer, C. W. Jerome, Fabius, N.Y. These officers also comprise the Executive Committee. Honorary Vice Presidents are to be appointed, one for each State, from among the more prominent white Minorca breeders, to assist in maintaining the interests of the white Minorca, and of the members of the Club.

The popularity of the white Minorcas among those who know them best, is significant of their future possibilities, and of the popularity they are bound to enjoy as their many good qualities become better known, and consequently appreciated. They are worthy of our best efforts and skill in breeding them to the highest possible type.

All breeders of the white Minorca are cordially invited to join the organization and to assist in placing our favorites where they deserve to be placed, among the most popular breeds of the twentieth century. By so doing you will serve your own interests while serving theirs, and our united efforts should accomplish much for this noble breed in the years to come, which is the aim and purpose of the American White Minorca Club.

The membership fee is one dollar, which, together with one dollar for the first year's dues, should be sent to

WM. SAPPER, Secretary, Erie, Pa.

The American Barred Plymouth Rock Club will meet at Toronto during the show. So far this is the only specialty club that we have heard of that has chosen Toronto as its meeting place.

GUELPH'S BIG SHOW.

THE Guelph Association had a "rouser" this time and no mistake, over twelve hundred birds were shown, double the number exhibited last year. Many exhibitors from a distance were present, a list of whom we give below, and in all classes quality was excellent. Turkeys and ducks were out in numbers, and some of the best we have seen. P. Rocks, of all colours, Leghorns, Wyandottes, etc., were full classes, and but few exhibitors but met keen competition. The show was held in a large rink in connection with the fat stock show, and this building is roomy and suitable though too dark for the back rows. Owing to the presence of the cattle and sheep no heat was required. The show of dressed poultry, as it always is here, was fine. Mr. Smelt was unable to fulfill his engagement to judge, if they had known who was to be his substitute many of the largest exhibitors did not hesitate to say that their birds would have remained at home. Mr. Donovan judged the Ornamental Bantams.

LIST OF EXHIBITORS.

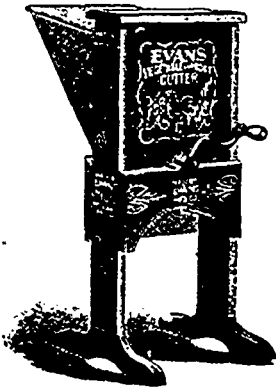
H. Karn, Thos. Hower, J. S. Moffatt, F. R. Webber, M. Costello, John Colson, Chas. Gair, C. R. Crowe, H. Sallows, Auld & Auld, H. Sloan. Geo. Brierly, Jos. Duckworth, A. Little, Jas. Anderson, S. M. Gowdy, Thos. McDonald, A. W. Tyson, Wm. Goodwin, H. G. Cowan, S. Saunders, Sam Rundle, Lawrence & Law, J. A. Harper, Geo. Poole, Readwin & Co., F. Buckle, J. Phillpot, W. A. McMaster, George Chamberlain, R. Moody, A. E. Smith and Wm. Teel, Guelph; Close Bros., Mitchell; John Thomson and Armstrong Bros., Fergus; Wm. Grills, Galt; McGregor & Lowe, Almonte; Jas. Scott, Aberfoyle; W. R. C. Forster, Branchton; C. J. Daniels, Toronto; H. D. Sherwood, Fergus, W. J. Westwood, Arthur E. Hart, R. J. Taylor, Brantford; A. G. Luxton, Georgetown; G. & H. Hancock, Galt; J. S. Henderson, Rockton; Henderson & Billings, St. Marys; Geo. Hardy, Brantford; Geo. W. Blythe, Marden; Albert Robinson, Weston; Scanlon Bros., Ennotville; W. H. Beattie, Wilton Grove; W. J. Player, Nassagaweya; Pearen Bros., Brampton; C. E. Smith, Fairfield Plains; Wm. Main, Milton West; Norman Jones, Hamilton; W. M. Anderson, Palmerston; J. W. Porteous and Wm. Colvin, Galt; H. G. Doyle, Woodstock; J. Fraser, Galt; T. A. Cox, Brantford; R. B. Millard, London; John Petch, Shakespeare; Jos. Foster, Brampton; McCormick & Sons, Rockton; B. Hicks, Woodstock; George Bogue, Strathroy; W. G. Murray, Strathroy; John Bradley, Milton; J. H. Minshall, Brantford; Huehorgard Bros., Heidelberg; W. F. Patterson, Morriston; J. W. Potter, Walsh, and W. B. Cockburn, Woodstock.

The Cyphers INCUBATOR

See their exhibit at the Ontario Poultry Show, Toronto, January 9 to 14, 1899.
Chicks will be hatched during exhibition.

*Used by all the Leading Breeders of the World. No moisture required.
Regulation absolute.*

We find other makers of Incubators are trying to imitate our machines. No person will imitate a poor article; which speaks volumes for the Cyphers. The only safe Incubator to buy. Don't make a mistake and buy some experimental Incubator because it's a little cheaper than the best—the Cyphers. We do what no other Incubator manufacturer will do, viz., if machine is not what it is represented to be we will take it back and return cash. C. J. DANIELS, Sole Agent for Canada.



Evans' Vegetable and Root Cutters

No. 5.

Price \$5

These machines meet a long felt want among poultrymen. They make possible the feeding of green and succulent food in the dead of winter when every spear of grass and green thing is killed by frost. They convert all kinds of roots into fine particles like angle worms that are greedily eaten by all fowls, big and little. The feeding of vegetables thus prepared doubles the egg product and saves fully 50 per cent. of the grain feed. It makes hens lay in winter when eggs are worth the most money. Endorsed by all the leading poultrymen of the country. Buy one and make money from your fowls this winter. Write for free circulars.

Read what Wm. McNeil, our Prince of Poultrymen, says about Root Cutters: "Your No. 5 Root Cutter is the slickest machine I ever saw. Every poultryman needs one. I would not be without it if it cost double the price."

Can give you any size Bone Mill required. Hand or power mills at rock bottom prices.

Our Bone Mills are the best on the market.

We can give you a Bone Mill at \$10, equal to an \$18 or \$20 mill.



Feed Clover Meal

Clover Meal is a boon to the poultryman, and is endorsed by all who give it a trial. It is the ideal egg food—in the long winter months when eggs bring a good price to the poultry-keeper—and if it is fed in connection with the mixed feed it will, to a great extent, prevent hens from becoming over fat. All know that fat hens will not lay many eggs, and what few they do lay will not show a good per cent of fertile eggs, nor will the eggs hatch strong active chicks. Put up in 50 lb. bags. \$2.00 per 100 lbs.

CONKEY'S ROUP CURE,

the only Sure Cure for Roup. Everybody says so. Price 50c. and \$1 Tube.

SANITARY DRINKING FOUNTAINS,

Mica Grit, Oyster Shell, Death to Lice, Hen House Spray, Sheridan's Condition Powders, Egg Boxes. We have about everything in the Poultry Supply line.

BROODERS FROM \$6 and upwards.
Tested Thermometers, etc.

Also 14 varieties of

Standard Bred Fowls

Good stock for sale, and Eggs in Season for Hatching.

C. J. DANIELS, 221 RIVER ST., TORONTO

PRIZE LIST.

BRAHMAS—Light cock 1 and 2 Cox, 3 Thomson; hen 1 Bogue, 2 and 3 Thomson. cockerel 1 and 2 Cox, 3 Foster, pullet 1 and 2 Cox, 3 Foster. Dark cock 1 Thomson, 2 Daniels, 3 Gould, hen 1 Daniels, 2 Gould, 3 Pearen, cockerel 1 Thomson, 2 Gould, pullet 1 Pearen, 2 Gould. **COCHINS**—Buff cock 1 Millard, 2 and 3 Moffatt, hen 1 Pearen, 2 and 3 Moffatt, cockerel 1 Millard, 2 Moffatt, 3 Daniels, pullet 1 Millard, 2 and 3 Moffatt. Partridge cock 1 McCormack & Son, 2 Millard, 3 Pearen, hen 1 Millard, 2 Pearen, cockerel 1 Millard, pullet 1 Millard. A.O.V. cock 1 Millard, 2 Pearen, 3 Foster, hen 1 Pearen, 2 Foster, 3 Bogue. cockerel 1 Millard, 2 Bogue, 3 Pearen, pullet 1 Millard, 2 Pearen, 3 Smith. **LANGSHANS**—Black cock 1 Karn, 2 Cox, hen 1 and 2 Karn, 3 Potter, cockerel 1 Karn, 2 Cox, 3 Foster, pullet 1 and 2 Karn, 3 Cox. A.O.V. cock 1 Webber, hen 1 and 3 Webber, 2 Karn. cockerel 1 Karn, 2 and 3 Webber, pullet 1 Webber, 2 and 3 Karn. **GAMES**—Black breasted cock 1 Sallows, 2 Phillpott, 3 Main, hen 1 and 3 Main, 2 Sallows, cockerel 1 Sallows, 2 and 3 Main, pullet 1 and 2 Main, 3 Sallows. Pyle cock 1 Phillpott, hen 1 and 3 Phillpott. 2 Close Bros, cockerel 1 Chamberlain, 2 Close Bros., pullet 1 and 2 Chamberlain, 3 Phillpott. Duckwing cock 1 Close Bros, hen 1 Close Bros, cockerel 1 Phillpott, 2 Close Bros. pullet 1 Close Bros. Indian cock 1 Doyle, 2 Daniels, 3 Foster, hen 1 Robinson 2 Sloan, 3 Daniels, cockerel 1 and 2 Sloan, 3 Foster, pullet 1 and 2 Sloan, 3 Foster. Pit cock 1 and 2 Anderson, 3 Macdonald, hen 1 and 2 Anderson, 3 Macdonald cockerel 1 and 2 Anderson, 3 Daniels, pullet 1 Daniels, 2 Howitt & Powell, 3 Macdonald. **HAMBURGS**—Pencilled cock 1 Potter, 2 Foster, 3 Henderson & Billings, hen 1 Henderson & Billings, 2 Foster, 3 Potter, cockerel 1 Pearen, 2 Bogue, pullet 1 and 2 Pearen, 3 Bogue. Spangled cock 1 Smith, 2 Foster, hen 1 Foster, 2 Smith. cockerel 1 Readwin & Co, 2 Colvin, 3 Smith, pullet 1 Foster, 2 Readwin & Co. A.O.V. hen 1 Potter, cockerel 1 Smith, 2 Potter, pullet 1 Smith, 2 Potter. **LEGHORNS**—Brown cock 1 Hewer, 2 Pletch, 3 Gowdy, hen 1 Bradley, 2 Hewer, 3 Pletch, cockerel 1 Hewer, 2 Bradley, 3 Pletch. pullet 1 Pletch, 2 Harper, 3 Bradley. White cock 1 Westwood, 2 Pletch, 3 Pearen, hen 1 Pletch, 2 Sloan, 3 Westwood, cockerel 1 Pletch, 2 Doyle, 3 Brierley, pullet 1 Pletch, 2 Brierley, 3 Murray. Buff cock 1 Henderson & Billings, hen 1 McGregor & Lowe, 2 Henderson and Billings, 3 McMaster, cockerel 1 McGregor and Lowe, 2 Saunders, 3 Murray, pullet 1 McGregor and Lowe, 2 Murray, 3 Henderson and Billings. A.O.V. cock 1 Henderson and Billings, 2 Foster, 3 Cockburn, hen 1 Daniels, 2 Gould, 3 Henderson and Billings, cockerel 1 Henderson and Billings, 2 Murray, 3 Pletch, pullet 1 Daniels, 2 Foster, 3 Henderson and Billings. **MINORCAS**—Black cock 1 Minshall, hen 1 and 2 Minshall, 3 Harper, cockerel 1 Minshall, 2 Murray, 3 Harper, pullet 1 and 3 Harper, 2 Minshall. White cock 1 Robinson, 2 Westwood. 3 G and H Hancock, hen 1 Robinson, 2 Murray, 3 Minshall, cockerel 1 and 2 Murray, 3 Minshall, pullet 1 Murray, 2 Robinson, 3 Minshall. **SPANISH**—White face black cock 1 Robinson, 2 Henderson and Billings, 3 Thomson, hen 1 Bogue, 2 Henderson and Bil-

lings, 3 Robinson, cockerel 1 and 2 Robinson, 3 Thomson, pullet 1 McCormack and Son, 2 Henderson and Billings, 3 Grids. **PLYMOUTH ROCKS**—Cock 1 Minshall, 2 Daniels, 3 Robinson, hen 1 Robinson, 2 Westwood, 3 Minshall, cockerel 1 Forster, 2 Minshall, 3 Daniels, pullet 1 Minshall, 2 and 3 Forster. Barred cock 1 Armstrong Bros, 2 Grill, 3 Bogue, hen 1 McCormack and Son, 2 Sloan, 3 Grills, cockerel 1 Porteous, 2 Armstrong Bros, 3 Henderson and Billings, pullet 1 Porteous, 2 Forster, 3 McCormack and Son. Buff cock 1 Henderson and Billings, 2 Daniels, hen 1 Henderson and Billings, 2 Daniels, cockerel 1 and 3 Goodwin. 2 Hardy, pullet 1 Hardy, 2 Goodwin, 3 Daniels. **JAVAS**—Black cock 1 Hewer, 2 Pletsch, 3 Gowdy, hen 1 Bradley, 2 Hewer, 3 Pletsch, cockerel 1 Hewer, 2 Bradley, 3 Pletsch, pullet 1 Pletsch, 2 Harper, 3 Bradley. White cock 1 Westwood, 2 Pletsch, 3 Pearen, hen 1 Pletsch, 2 Sloan, 3 Westwood, cockerel 1 Pletsch, 2 Doyle, 3 Brierley, pullet 1 Pletsch, 2 Brierley, 3 Murray. **WYANDOTTES**—Silver cock 1 Auld, 2 Henderson and Billings, 3 Cox, hen 1 Henderson and Billings, 2 Bogue, 3 Pearen, cockerel 1 Henderson and Billings, 2 Bogue, 3 Cox, pullet 1 Bogue, 2 Cox, 3 Henderson and Billings. Golden cock 1 Cox, hen 1 Blyth, cockerel 1 Blyth, 2 Daniels, 3 Pearen, pullet 1 Daniels, 2 Blyth, 3 Little. White cock 1 Millard, 2 Daniels, 3 Foster, hen 1 Bogue, 2 Crowe, 3 Smith, cockerel 1 Bogue, 2 Millard, 3 Foster, pullet 1 Poole, 2 Foster, 3 Bogue. A.O.V. cock 1 Goodwin, 2 Bogue, hen 1 Foster, 2 Bogue, 3 Millard, cockerel 1 Bogue, 2 Millard, 3 Foster, pullet 1 Bogue, 2 Readwin and Co, 3 Foster. **HOUDANS**—Cock 1 Foster, 2 Robinson, 3 Tyson, hen 1 Robinson, 2 Huehnergard Bros, 3 Foster, cockerel 1 Foster, 2 Bogue, 3 Pearen, pullet 1 Bogue, 2 Huehnergard Bros, 3 Tyson. **DORKINGS**—Silver grey cock 1 Main, 2 Cox, hen 1 Cox, 2 Main, 3 Bogue, cockerel 1 Main, 2 Colvin, 3 Foster, pullet 1 Bogue, 2 and 3 Main. Colored cock 1 McCormack and Son, hen 1 Beatty, cockerel 1 McCormack and Son, 2 Beatty, pullet 1 and 2 Beatty. **POLANDS**—A.O.V. cock 1 Daniels, 2 Smith, 3 Pearen, hen 1 and 3 Pearen, 2 Daniels, cockerel 1 Daniels, 2 Bogue, 3 Smith, pullet 1 and 3 Colvin, 2 Bogue. White crested black cock 1 Robinson, 2 Taylor, 3 Pearen, hen 1 Taylor, 2 Robinson, 3 Daniels, cockerel 1 Taylor, 2 Pearen, pullet 1 and 2 Taylor, 3 Pearen. **RED CAPS**—Cock 1 Daniels, 2 Westwood, hen 1 Daniels, 2 Cowan, 3 Howitt and Powell, cockerel 1 Daniels, 2 Minshall, 3 Cowan, pullet 1 Minshall, 2 Daniels, 3 Cowan. **ANDALUSIANS**—Cock 1 and 2 Gair, hen 1 McGregor and Lowe, 2 Cox, cockerel 1 Cox, 2 and 3 McGregor and Lowe, pullet 1 Cox, 2 and 3 McGregor and Lowe. A.O.V. of poultry, not Bantams—Cock 1 Bogue, 2 Daniels, 3 Smith, hen 1 Bogue, 2 Daniels, 3 Smith, cockerel 1 Daniels, 2 Bogue, pullet 1 Bogue, 2 Daniels. **BANTAMS**—Pyle Game cock 1 Close Bros, 2 Tyson, 3 Chamberlain, hen 1 Close Bros, 2 Tyson, 3 Chamberlain, cockerel 1 Tyson, 2 Close Bros, 3 Chamberlain, pullet 1 Tyson, 2 Crowe, 3 Close Bros. B.B.R. cock 1 Crowe, 2 Close Bros, hen 1 and 2 Crowe, 3 Close Bros, cockerel 1 and 3 Crowe, 2 Close Bros, pullet 1 2 and 3 Crowe. Duckwing cock 1 Close Bros, 2 Howitt and Powell, hen 1 Close Bros, 2 Howitt and Powell, cockerel 1 and 3 Close Bros, 2 Pletsch.

A.O.V. Game cock 1 McCormack and Son, hen 1 McCormack and Son, 2 Howitt and Powell, cockerel 1 Crowe, 2 Howitt and Powell, pullet 1 Crowe. African cock 1 Webber, 2 and 3 Hartley, hen 1 Webber, 2 and 3 Hartley; cockerel 1 Crowe, 2 Hartley, 3 Webber, pullet 1 Webber, 2 Crowe, 3 Murray. Seabright cock 1 Webber, 2 Smith, hen 1 Readwin and Co, 2 Smith, 3 Webber, cockerel 1 and 2 Murray, 3 Smith, pullet 1 Murray, 2 Webber, 3 Crowe. Pekin cock 1 Smith, 2 Daniels, 3 Millard, hen 1 Bogue, 2 Daniels, 3 Millard, cockerel, 1 Daniels, 2 Bogue, 3 Crowe, pullet 1 Karn, 2 Millard, 3 Daniels. A.O.V. cock 1 Daniels, 2 Smith, hen 1 Smith, 2 Daniels, 3 Howitt and Powell, cockerel 1 and 3 Murray, 2 Daniels, pullet 1 and 3 Murray, 2 Daniels. TURKEYS—Bronze cock 1 Anderson, 2 Beatty, 3 Main, hen 1 Anderson, 2 Beatty, 3 Main, cockerel 1 Beatty, 2 Main, 3 Anderson, pullet 1 Main, 2 Beatty, 3 Anderson. A.O.V. cock, 1 Beatty, 2 Scott, 3 Macdonald, hen 1 and 3 Beatty, 2 Macdonald, cockerel 1 and 2 Beatty, 3 Luxton, pullet 1 Beatty, 2 and 3 Luxton. GESE—Bremen gander 1 Macdonald, 2 Webber, 3 Thomson, goose 1 Webber, 2 and 3 Macdonald, gander 1 and 3 Macdonald, 2 Main, goose 1 and 3 Macdonald, 2 Main. Toulouse gander 1 Webber, 2 Anderson, 3 Armstrong Bros, goose 1 Anderson, 2 Armstrong Bros, 3 Webber, gander 1 and 2 Macdonald, 3 Anderson, goose 1 and 2 Macdonald, 3 Scanlon Bros. A.O.V. standard gander 1 Macdonald, 2 Smith, goose 1 Smith, 2 Macdonald, gander 1 Macdonald, 2 Luxton, 3 Smith, goose 1 Luxton, 2 Smith, 3 Macdonald. DUCKS—Pekin drake 1 Webber, 2 Macdonald, 3 Colson, duck 1 Macdonald, 2 Webber, 3 Colson, drake 1 Macdonald, 2 Colson, 3 Armstrong Bros, duck 1 Macdonald, 2 Colson, 3 Webber. Aylesbury drake 1 Webber, 2 Macdonald, duck 1 Macdonald, 2 Webber, drake 1 Macdonald, 2 Webber, 3 Close Bros, duck 1 Macdonald, 2 Webber, 3 Close Bros. Rouen drake 1 and 3 Colson, 2 Macdonald, duck 1 Main, 2 Colson, 3 Macdonald, drake 1 Macdonald, 2 and 3 Colson, duck 1 Macdonald, 2 Colson, 3 Main. A.O.V. drake 1 Bogue, 2 Howitt and Powell, duck 1 Bogue, 2 Howitt and Powell, 3 Smith, drake 1 Howitt and Powell, 2 Bogue, duck 1 Bogue, 2 and 3 Howitt and Powell. DRESSED POULTRY—Pair turkeys, cockerels, hatched in 1898, 1 Blyth, 2 and 3 Hales, turkey hens 1 Buchanan, 2 Blyth, 3 Scott; pair geese 1 Buchanan, 2 and 3 Hales; pair ducks 1 and 3 Hales, 2 Buchanan; pair cockerels 1 Hales, 2 Buchanan, 3 Blyth; pair pullets 1 Blyth; heaviest turkey 1 and 2 Hales; dressed turkey 1 Hales; display of poultry, hatched in 1898, 1 Hales; collection of poultry, dry picked and undrawn, 1 Buchanan; one dozen dressed sparrows, 1 Readwin and Co; best lot of dressed poultry, to consist of pair each of turkeys, geese, ducks and fowl, 1 Hales. SPECIALS—Best light Brahma, cock or cockerel, Cox, hen or pullet Bogue; dark Brahma in the show, Thompson; buff Cochins, cock or cockerel, Millard, hen or pullet, Millard; best exhibit of partridge Cochins, Millard; black Langshan, cock or cockerel, Karn, hen or pullet, Karn; B. B. Red Game, cock or cockerel, Main, hen or pullet, Main; red Pyle, cock or cockerel, Philpotts, hen or pullet, Philpotts; Duckwing Game, Philpotts; Indian Game, cock or cockerel, Doyle; hen or pullet, Sloan; Spangled

Hamburg, Readwin and Co.; Penciled Hamburg, Hender and Billings; S. C. white Leghorn, cock or cockerel, Pletsch, hen or pullet, Pletsch; S. C. brown Leghorn, cock or cockerel, Hower, hen or pullet, Bradley; S. C. buff Leghorn, cock or cockerel, Saunders, hen or pullet, Henderson and Billings; black Minorca, cock or cockerel, Minshall; best exhibit of Minorcas, Minshall, Spanish, Robinson, Barred Rock, cock or cockerel, Armstrong Bros., hen or pullet, Porteous, white Rock, cock or cockerel, Foster, hen or pullet, Minshall, buff Rock, cock or cockerel, Goodwin, hen or pullet, Hardy; best of Javas, Daniels, white Java cock, Webber, Golden Wyandotte, cock or cockerel, Cox, hen or pullet, Daniels, Silver Wyandotte, cock or cockerel, Henderson and Billings, hen or pullet, Bogue, white Wyandotte, cock or cockerel, Millard; hen or pullet, Bogue, other variety of Wyandottes, Bogue, Houdans, Tyson, Dorkings, Cox, Polands, Taylor, Red Caps, Howitt and Powell, Andalusians, cock and cockerel, Cox, hen or pullet, Cox, B. B. Red Bantam, cock or cockerel, Crowe, hen or pullet, Crowe, Red Pyle Bantam, hen or pullet, Crowe, Duckwing Bantam, cock, Howitt and Powell. Sebright, cock or cockerel, Murray, hen or pullet, Murray, African Bantams, Webber, Pekin Bantams, Daniels, heaviest cock bird in the show, Millard, lightest cock bird in the show, Crowe; bronze Turkeys, Beattie; two-year-old Turkey, Anderson, any other variety, Beattie; Toulouse Geese, Webber, specimen of Bremen Geese, Macdonald, other variety Geese Macdonald; specimen of Pekin Duck, Webber, Rouen Ducks, Colson, Aylesbury Duck, Macdonald, other variety Ducks, Bogue; best collection of Water Fowl, Macdonald; best four Ducks, any one variety, Colson; largest and best display of Fowl by one exhibitor, Daniels; best cock or cockerel in the show, Cox; Guelph breeder taking the largest number of prizes, Webber, best bred pair of table fowl, Auld and Auld, pair of egg producing Fowl, Sloan; for the largest percentage of points over entry, Anderson; any other variety of Leghorns, Anderson; best of any other variety Turkey, Beattie; exhibitor making the largest and best exhibit from the township of Waterloo, Puslinch, Nassagaweya, Erin, Dramosa, Guelph, Pilkington, or Nichol, Macdonald.

WHAT CLINTON EXPECTS.

Things are looking bright for a good turn out at our winter show in Clinton next January. We are having weekly meetings, and the boys are very enthusiastic and are working up the business men of the town. Cash donations are coming in more freely than in former years, which makes the boys smile. Clinton is the hub of the county and has good railway communication, so every thing is favorable for a hummer in our third annual exhibition.

Yours respectfully,

Constance, Dec. 20, '98. WM. CARTER.
A county or open show this time?—Ed.

The Third Annual EXHIBITION

of the Huron Poultry and Pet Stock Association
will be held in the Town Hall

CLINTON

Tuesday, Wednesday and Thursday
Jan. 24, 25, 26, 1899

Every effort is being made to have the best exhibit ever held in the County.

WM. CARTER, President.

WM. BARBER, Judge.

1899

GEO. SWALLOW, Secretary.

The Largest Poultry Supply House in the United States

We Carry in Stock:

Lime Stone Grit, Carbolic Vermin Powder, Bone Meal, Crushed Oyster Shells, Sea Shells, Beef Scrap, Millet Seed, Smith & Romain's Boiled Beef and Bone, Sunflower Seed, Cracked Corn, Rolled Oats, Barley, Sheridan's Condition Powders, Golden Essence—1000 Eggs, Lambert's Death to Lice, Greeley's Roup Cure, Greeley's Cholera Cure, Incubator Lintups, Egg Testers, Banner Egg Food and Tonic, Poultry Markers, Feed Trays, Egg Shipping Boxes, Mica Crystal Grit, Cut Clover Rowen, Wheat Bran, Green Bone Mills, Oyster Shell Mills, New Russ Fountain, Stone Drinking Fountains, China Drinking Fountains, Pineland Drinking Fountains, Incubator Thermometers, Prolific Egg Food, Chick Manna, Charcoal, and anything required for the Poultry Yard.

SOLE AGENTS FOR

Prairie State Incubators and Brooders

For United States and Canada.

SEND FOR OUR CATALOGUE OF 1899, FREE.

Poultry List for 1899 now ready. Address:

Excelsior Wire & Poultry Supply Co.,

28 VESEY ST., NEW YORK CITY.

For Eggs

OUR

Banner Egg Food and Tonic

is the one thing on the market to-day that will produce the eggs WITHOUT QUESTION.

25c. per 1 lb. Can, 5 Cans \$1.
1 Case, 2 dozen Cans, \$1.

Canadians will not forget this if they once try it, as it is especially adapted to their climate.

Try also for ROUP

Greeley's Roup Cure.

25c. per box, \$2 per dozen,
50c. per box, \$1.50 per dozen.

Now York Agents for Mann's, Dandy, Chapman, Wilson and all makes of

GREEN BONE MILLS.

All goods are F.O.B. New York.

A. HILL
SPRUCE DALE POULTRY YARDS,
WYOMING, ONT. 1899

Breeder and importer of highest quality of Barred and White P. Rocks, Brown and White Leghorns, Silver and White Wyandottes.

At Lambton Poultry Show in December the scoring by Judge Jarvis gave me the specials for highest scoring White P. Rock with 95 and 2 off for weight on young bird, White Wyandotte 95 with 2 off for young bird, and on Brown Leghorn 95 with 2 off for undeveloped comb. Tie for highest score in White Leghorn. On 26 birds scored my average was 93 points. I am sparing no expense to have the best in my classes, and breeding pens for 1899 will be very choice. Young stock for sale. Eggs in season.

Barred Plymouth Rocks

EXCLUSIVELY

Breeder and exhibitor of Barred Rocks. My birds are winning at the leading shows. A few Cockerels for sale. Eggs in season.

J. W. PORTEOUS

GALT, ONT. 1899

The Canadian Horticulturist

The Paper for Fruit and Flower Growers.

Published monthly by the Ontario Fruit Growers' Association.

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CANADIAN HORTICULTURIST,
GRIMSBY, ONT. 1239

Arnold's Buff Leghorns

Have not been exhibited since 1897.

In 1897 they won more special and regular prizes at New York, Boston, Washington and Hagerstown than all other exhibitors combined. We have sold more show birds this season than ever, and in the hands of our customers are winning the leading prizes in the leading shows.

We have the Finest Lot of Breeding Cockerels and Pullets for Sale now we ever Offered to our Customers Before.

Buff Leghorn Eggs

A limited number of settings will be sold from a few yards of birds and each bird in these yards will be fit to enter in any show.

BUFF Plymouth Rock Eggs

We have three yards the best money would buy. All birds in both varieties mated December 20th. Eggs \$5 per 15, \$9 per 30, \$12 per 45. Ten chicks guaranteed to each setting.

Circulars free. Mention CANADIAN POULTRY REVIEW.

AUG. D. ARNOLD, DILLSBURG, Pa.

WHAT THE ONTARIO SECRETARY HAS TO SAY.

Editor REVIEW,—

PERSONALLY I am very much pleased and consider the Poultry Association of Ontario in particular is greatly indebted to you for the special effort on your part in getting your January edition of the REVIEW issued so early, giving us an unlooked for and most favorable opportunity of again reminding your readers of the oncoming grand International Poultry Exhibition, "The Ontario of '99," to be held in Toronto. January 9 to 13.

There is very little I can say that has not already been touched upon by your numerous correspondents, but may add that the representation of American fanciers is fully up to my expectation, a goodly number having already replied to the invitations sent out "and still there's more to follow," so that both an excellent show and an enjoyable, profitable time are assured. In forming an opinion from the member of applicants for prize lists by the United States exhibitors and the daily whisperings around, a very large increase in the number of entries over former years may be looked forward to.

As there are only a very few days now before it will be too late to awake to the fact that entries must be mailed on or before January 2nd or they will be returned, it behoves every intending exhibitor to be a day too early rather than one too late.

The management reserves the right to commence the judging on Tuesday morning at 10 o'clock, and the classes then ready will be completed first, so that all specimens should be in their coops before that hour. It would also greatly expediate matters for the judges if any of the specimens entered and not coming to the exhibition (if any) were reported to me at the earliest opportunity. This arrangement is necessary on account of the large list of special prizes that requires to be passed upon by the judges.

Wishing yourself and poultrymen generally the compliments of the season with the desire so meet a large number of them at the "Ontario." I remain as ever.

Yours very truly,

THOS. A. BROWNE,

Sec'y P. A. of O.

P.S.—Have a few prize lists and entry forms left to give away to applicants.

THE TORONTO POULTRY, PIGEON AND PET STOCK ASSOCIATION.

ANNUAL MEETING.

THE annual meeting of the above association was held in Temperance Hall, December 8th. Mr. C. Bonnick, the president, occupying the chair. The minutes of previous meeting were accepted as read. The following gentlemen were proposed for membership and accepted: Messrs. Heath, Jacobi, Durston, Berti, Gore, Ramsay, Hills, Lightfoot, Lawrence, Hoskin, Bell, Abbott, Moore, Phillips, Ritchie, Goulding, and Holderness. The Treasurer's and Secretary's reports for the past year were adopted. The meeting decided that each member be notified of each monthly meeting by post card.

The following officers were elected for ensuing year: Hon. President, John Chambers; President, Chas. Bonnick; 1st Vice-President, A. H. Lake; 2nd Vice-President, C. Mick; Secretary, R. Durston; Treasurer, W. H. Chambers; Delegate to Industrial Exhibition, A. C. Blythe; Delegates to Western Fair, W. Barber, W. Fox; Auditors, A. Shaw, Jas. Brown; Executive Committee, E. J. Dewey, F. Spry, J. O'Neil, C. Grimsley, J. E. Jarrote and J. H. Shales. Receipts, \$69.
R. DURSTON, Secretary.

A CORRECTION.

I notice in this month's paper your report of Quebec show, in which you give Neilson credit for first white Wyandotte cock, it should read Wilson as I won first. Kindly correct and oblige,

Yours respectfully,

W. J. WILSON,

Dec. 21, '98.

Amherst Park, Montreal.

THE LEGHORN CASH SPECIALS

at the Ontario are omitted from the prize list, of course an error, blamed by the committee on the proof reader. The same amount, \$1.50 on best male and \$1.50 on best female will be offered in all four colors, white, brown, buff and black, as on other breeds. Single and rose-comb compete together.

With the Shows.

SHOW DATES.

Ingersoll - January 2, 3, 4.
 Ontario (Toronto)—January 9-13.
 Galt—January 17, 18 and 19.
 Peterborough—January 17, 18, 19.
 Brantford—January 20 to 24.
 Clinton, January 24, 25, 26.
 Eastern Ontario (Brockville)—January 24, 25, 26, 27.
 Montreal—January 24 to 28.
 Hamilton—January 25, 26, 27, 28.

NOTES AND COMMENTS

WHAT WE WILL DO.

WE will send REVIEW to three new subscribers one year for \$1. We will send REVIEW three years to any one address for \$1. We will send a new Standard free to anyone sending us five new subscribers with only the regular price. These special rates do not apply to Toronto, where we have to pay individual postage.

NOTICE TO ADVERTISERS.

As the circulation of REVIEW has so rapidly increased during the past six months and as every indication points to a still further augmentation of our lists, we are compelled to request that changes of advertisements reach us not later than the 15th of each month at latest. New adds we can still get in up to the 20th or sometimes later. We can't mail on time unless we start earlier in the month.

CLINTON'S SHOW.

The third annual show of the Huron Association will be held in Clinton this year, on January 24, 25 and 26. An effort is being made to have this the largest show ever held in the county, and the great interest now being taken in poultry should help to this end. Mr. W. Barber is to judge all classes, and applications for lists should go the secretary, Mr. George Swallow.

MONTREAL LISTS

have been ready for some time and copies may be had from the Secretary. The long list of cups is an

attractive one and no doubt will bring out keen competition. All breeds are looked after in the regular classes, cash prizes of \$1 for pens, 75c. first and 50c. second being offered. In Turkeys, Ducks and Geese three prizes of \$1, 75c. and 25c. are given. Mr. J. V. Bicknell, of Buffalo, will judge poultry. Entries close January 18th and exhibitors must become members.

CONFLICTION OF SHOW DATES.

It is regretable that Montreal and the Eastern Ontario shows are this year on the same dates. Where there are so many shows in the west and covering such an extent of country, it is really of little importance, but in the east where shows are yet comparatively few, every opportunity should be given exhibitors to display their stock. Choose your dates early gentlemen, and let the public know of them.

IN CONNECTION

with above, Mr. A. P. Mutchmor, who, by the way, has bought all Gray & Baldwin's Bantams, writes us that on this account Montreal must forego his entry, which would total to about one hundred and fifty birds. This entry in itself is a nice addition to any show.

BRANTFORD

officially assures exhibitors: 1. That they have lots of money to pay all claims. 2. Hall is large, in a grand location, in main traffic and near market. 3—and last, go—and own the town.

WHAT THE GALT SECRETARY SAYS.

As the dates for our winter show, January 17, 18, 19, are close upon us, we find everything in readiness for a successful show. We have a fine large building well heated and lighted, good coops and a very careful superintendent, which tends greatly to the success of the show. Exhibitors can send their birds to Galt with the assurance that they will be carefully provided for. All we want now is the hearty support of the exhibitors, which I have no doubt we will get. We intend to have all the birds scored and will return cards with birds. Make this the largest show in the west. Everybody come to Galt and start the circuit going—Galt, Brantford and Hamilton. Thanking you, Mr. Editor, for this space in your valuable paper, I remain,

Yours respectfully,

J. W. PORTHOUS, Secretary.

POULTRY NOTES FROM PETERBORO.

We have been very busy holding frequent meetings and hustling things generally to get ready for the show. The prize list is out and will be distributed in all directions at once. We have had great enquiries for them even before they were printed, all along the line, and from present appearances we are about to have a very large exhibit from Ottawa on the east to Hamilton on the west, in fact everything points forward to our second exhibition being a decided success. Some of our boys are going up to the Ontario to take a hand in exhibiting, and when there they intend, with the help of the members both from the east and the west to, to secure the Ontario meeting for 1900, and when they say so they mean it. Of course we do not claim to be as old an association as some others, but, we do claim to have a good strong association, backed up by a real live town, with railways entering it in seven different directions—at the present there are twenty-four passenger trains daily coming in and going out from the town (steamboats do not run during winter season) and a place which poses as a summer resort may not be the best place available for an exhibition such as the Ontario. Also, we have the best hotels in the Province for accommodating visitors at reasonable rates.

WM. COLLINS, Secretary.

THE EASTERN ONTARIO

have worked up quite a good list of special prizes for the Brockville exhibition. The Brockville members have shown themselves most enthusiastic canvassers. It is hoped that the exhibition will create quite an interest in poultry in that section of Eastern Ontario, of which Brockville has long been regarded as the centre. The Brockville men deserve great credit for one move that they have made, and it is that of working to create an interest in improved poultry among the farmers. They are in great hopes that they have succeeded and that there will be a good attendance of farmers. Another thing that efforts will be made to carry out will be to have skilled members present to give explanations to the farmers about the exhibits, so that the exhibition may be instructive as well as a mere display of birds. The Eastern Ontario is to be congratulated upon including among its members one of the best judges of pigeons in Canada in the person

of Mr. McKinstrey, who will judge the pigeons at Brockville.

NEWS OF "THE BIG SHOW."

The lists sent out by the Toronto Association and Mr. Browne's entry forms will ere now be in the hands of all those whom either secretary could reach. We mail this issue of REVIEW a few days ahead of time as a gentle reminder that entries MUST be mailed on or before January 2, so if yours are not in sit down and attend to it now. A glance through the list of specials shows the total value to be \$1,382.25, not very far short of the promised \$1,400.

ON READING OVER PAGE 27

the wording of the paragraph relating to cash specials may sound a little ambiguous. \$1.50 is offered for the best male and best female in each color of each breed. Take Cochins, for instance, there are separate prizes of \$1.50 each for the best buff male, best buff female, best partridge male, best partridge female, best any other color male, and best any other color female; six cash specials in all in this section for Cochins. The same with the other breeds.

INSTEAD OF OFFERING CUPS

on collections of breeds the committee thought best to make a more extended choice and so selected the following articles: Minorcas, cup; Brahmas, cup; Cochins, silver cake basket; Hamburgs and Red Caps, silver cake basket; Plymouth Rocks, silver cake basket; Wyandottes, silver chocolate pot; Game Bantams, silver cake dish; Ornamental Bantams (solid), silver nut bowl; Miscellaneous, cup; Geese and Ducks, cup; Turkeys, cup. Each article will be suitably engraved with the name of breed for which it is offered, show, location and date. In addition to these there are the massive cups offered on other varieties by the American Poultry Association, etc. The list is too long for us to enumerate, and doubtless all intending exhibitors have already seen it. What we want particularly to draw attention to is that entries close on January 2nd.

OWEN SOUND AND PETERBORO

are both putting up a strong fight for the Ontario for 1900, so that we may expect a large attendance and big entry list from both of these places.

A MISPRINT

occurs on page 33 of the Ontario special list, bottom line. The special offered for rose-comb cock and pullet should read cockerel and pullet.

ON DRESSED POULTRY

at the "Ontario" show, in addition to the prizes printed in the list, the Toronto Cold Storage Co., Limited, will give one ten dollar silver cup for the following: Three turkeys, three geese, three pairs of chickens and three pairs ducks. All must be of 1898 hatch and dressed ready for cold storage or export.

CAGE BIRDS AT TORONTO.

The Toronto Poultry Association ask us to say that in addition to the classes already on a class for Bull Finches and one for any other variety cage birds will be added. Prizes to be \$1 first and 50c. second.

SOME FURTHER "ONTARIO" NOTES.

The cups offered by the American Poultry Association are understood to be for eight birds of one color in each case, and Indian Games cannot compete for the Game cup. Under head of Orpingtons, the \$5 special is for best cockerel, as is the special for dark Brahmas. That for partridge Cochins is for collection, and that for Cochins A.O.V. is for best pen.

A REGRETABLE ERROR

occurred in last REVIEW in the announcement of the dates of Mr. Essex' lecture tour for the Farmers' Institute. They should start on January 31st (Scotland) and run all through February and not as we gave it. The locations on the days of the month are correct, simply substitute (after the first two dates) February for January.

MR. GEORGE BARTLETT, LONDON,

we regret to learn has been confined to the house with lumbago, not a pleasant companion, since November 15 and is still a long way from recovery. He has our sympathy.

MR. J. J. LENTON

has returned from the U. S. to again reside in Oshawa.

THE "INTERNATIONAL POULTRY JOURNAL"

is to be published from St. Petersburg, Russia. The peculiar feature of this magazine is that it will be printed in four languages, i.e. English, French, Ger-

man and Russian. The subscription, so the editor Mr. Alexis Ossipoff informs us, will be \$1.50 per annum.

FUNNY

how our Guelph friends will ask a man to spend half a day judging, let him pay 25c. to get into the show, and other incidental expenses. Isn't it?

MRS. COMYNS-LEWER,

the editor of "The Feathered World," London, England, and who has made that paper the foremost publication of its class in Europe, will visit Toronto during the "Ontario" show week. Mrs. Comyns-Lewer will be the guest of her brother, Mr. Bruff Garret, of the British Bank here, and purposes also seeing the New York, Boston, and possibly other shows.

BRANTFORD'S INVITATION TO THEIR SHOW.

In last month's REVIEW, in my report of our show, you have it that we are out for the Ontario for 1891. You will see that it will be impossible for anyone to have it that year, as it is too late. The year we will try for it is 1901. (We acknowledge the corn—ED.) In regard to our coming show, we cannot help having a financial success. We have been given grants from the City Council of \$50, County \$25, Township \$15, and have received subscriptions up to date amounting to \$112. We have secured a large store on Main Street, 135 feet long, 26 feet wide, with same room up-stairs for Bants and Pigeons if needed—it is lighted to perfection and heated. I have received a great number of enquiries for prize lists through our adv. in REVIEW, and those that do not receive lists will please drop a card for one on receipt of January number of REVIEW. Remember, Sharp Butterfield is to judge all poultry. J. H. MINSHALL, Secretary.

WHICH WILL YOU CHOOSE?

REVIEW to three subscribers one year for one dollar. REVIEW three years for one dollar. New Standard free for five new names and two fifty.



The Excelsior Wire and Poultry Supply Co., New York, again use our adv. columns. You can get anything you want from them from an incubator to a leg band. Their catalogue itself is a directory of poultry supplies and fixings and may be had for the asking.

If you send us the names of two new subscribers together with \$1.00 we will extend your own subscription for one year as well as send REVIEW to the new names for one year. This makes it but 31 cents each. The only condition we make is that the names of the subscribers be new ones and not renewals. This does not apply to Toronto.

W. Barber and Co. give a list of part of their principal wins in Games and Game Bantams and offer surplus stock for sale, also eggs in season.

A. P. Mutchmor, who has bought all Gray and Baldwin's Game Bantams, including many well-known winners, offers part of them for sale, also a surplus of fancy pigeons. Mr. Mutchmor has one of the best lofts in America now, and this is an opportunity to get good birds at a fair price.

C. J. Daniels, the "universal provider" in the poultry line, has a large and attractive ad. in this issue. "If you want any thing you don't see" write Daniels for it. He can procure it.

A. Hill is a new advertiser this month. He gives the high scores of some of his birds at the Hamilton show.

J. E. Meyer draws attention to his Safety Incubators and Brooders. A free circular will be sent on application.

W. A. Howard wants pheasants of all kinds. A good chance to make large sales as a number are required.

The Prairie State Incubator advertised in this issue is so well and favorably known that it seems almost superfluous to do more than draw attention to their announcement. The makers can tell you more about it than we can. Send for their large catalogue, which will be mailed you free.

W. W. Reid in renewing his yearly ad. in Sale and Exchange column, offers Antwerp pigeons for sale or exchange for other pigeons, bantams or large fowl.

J. W. Porteous, the courteous secretary of the Galt Association, is also a breeder of barred Plymouth Rocks (exclusively), and has a few nice cockerels for sale. Look up his ad. and write him if in need of such.

W. A. Wilson is one of our new yearly advertisers and has several breeds, including the rose-comb black Orpingtons, a comparatively new breed here, and which has just been admitted to the standard. He wants you to write for prices and says "visitors are always welcome."

Mr. Aug. D. Arnold, who bears the reputation of being at the top of the tree in buff Leghorns, has also added buff P. Rocks to his list, and advertises both in this issue of REVIEW. Look up his "ad." and see what he has to say.

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.

SEND A STAMP FOR REPLY.

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

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:—

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

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.

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 and Rouen Ducks. 1238

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. Advertisement 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.

Andalusians—I am offering special value in this variety for the next thirty days. Both exhibition and breeding stock for sale. Newton Cosh, Box 218, Brantford, Ont. 199

For Sale—3 Andalusian cocks and a few hens from good stock. Eggs in season. Dan McKenzie, 75 Chatham St., Brantford, Ont. 199

Yates' Superior Andalusians I have for sale three nice cockerels, also one cock, grand show bird. My prices are low. J. Yates, Lambton Mills, Ont.

Good Andalusian Cockerels \$1 each—Large healthy birds and well marked. Also a few Red Caps—one fine cockerel fit for exhibition. Satisfaction guaranteed. Ebenezer Frith, Winchester, Ont.

Bantams.

Black, White, Buff Cochon Bants, white Rocks, the best in Canada, bar none. "What we have we'll sell," and guarantee satisfaction, prices low. C. Biele, Guelph. 299

Game Bantams for sale—2nd pyle cock Industrial, 1st pyle hen, 1st black red cockerel Quebec, and some grand cockerels and pullets in black red and pyle. F. M. Wolfe, Galt, Ont.

Bantams for Sale—Black African Bantams (Oke and McNeil strains), also one pyle Game cock, winners wherever shown. A. E. Hartley, 7 Niagara St., Brantford, Ont.

For Sale—Silver Sebright cock, one year old; golden cock, do.; also choice silver and golden Sebright chicks. William Stuart, Goldie's Mills, Guelph, Ont.

14 Pairs Silver Sobrights, \$3 per pair, 3 pairs golden, \$2 per pair, 10 pairs black African, \$3 per pair. Two pair \$5. any variety. W. H. Grout, Grimsby, Ont.

Cholco Bantams for Sale-1 pair buff Pekin and 5 buff Pekin pullets, 2 pairs golden Sobrights, 1 pair silver Sobrights and 3 pairs black Africans. Satisfaction guaranteed. Bert Hicks, Woodstock.

Brahmas.

Light Brahmas for Sale-One yearling male, second prize bird at Guclph, also cockerels and pullets. Must make room for breeding. Write. John Cameron, Brantford

Light Brahma Cockerels and Pullets for sale-good birds at low prices all bred from winners at last winters shows. Write for prices. W. D. McKenzie, Galt.

Light Brahmas-Twenty grand well marked large hens, also beautiful young pullets and cockerels. Extra fine birds. Forced to sell now. J. H. Paton, Ossington Ave., Toronto.

Cage Birds, etc.

English Birds Imported Goldfinches Lin nets, Skylarks, Thrushes, Jays, Starlings, etc. Mocking Birds, Cardinals, Fancy Finches, etc. 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, \$2 each.

Cages, Japanned-From \$30. Cages, brass from 60c; Cages, breeding, from 75c. Cage appliances, nest and nesting, seed, etc; everything in the bird line 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.

Buff Cochins-Cockerels and pullets, from \$5; single birds, cockerels \$3, pullets \$2. First-class stock. J. S. Moffatt, Guelph Ont

Dogs.

Imported Collies at StudAuchearnie Boy, Lord Strathcona, and Handsome Chris, Fee \$5. Fine puppies for sale from the above dogs; bitches \$5, dog pups \$8 to \$10 dollars each. Mrs. P. Hart, Collie Kennels, Belleville. 299

Do You Keep a Dog? The CANADIAN KENNEL GAZETTE will tell just how to care for him, and will also give you all the news of the month, portraits from life of the best dogs living, and many other good features. \$1 a year, 10c a copy. Address H. B. Donovan, Publisher, Toronto.

Dorkings.

For Sale-S. G. Dorkings cockerels and pullets, April and May hatched, from first-class strain. Will sell cheap. Also a few hens. Eggs in season. George Goldard, Woodstock, Ont.

I Have a Few extra good silver grey Dorking cockerels to sell. Also eggs after 1st March \$1 per 13. Harry Shore, The Firs, White Oak, Ont

Game.

Finest Games on Earth-Circular free. Irish Black Reds, Heathwoods Irish and Mexican Greys, Cornish Indian and Houden Ducks. Buy now and save money; C. D. Smith, Fort Plain, N. Y. 399

Exhibition Games and Game Bantams of the highest quality. A few birds for sale in old and young at reasonable prices. My birds will please you. A. J. Grigg, Jeweler, Clinton, Ont. 199

Houdans.

Houdans-Thirty pullets and hens, three cockerels, good in all points; closing out sale. Some extra show birds cheap. Particulars, J. H. Paton, Ossington Ave., Toronto.

Langshans.

Langshans for Sale Won 1st and 2nd on hens, 2nd on cock and cockerel at Toronto Exhibition, also 7 prizes on 8 entries at Western Fair. Robert McCurdy, 176 Oxford St., London 199

SOLD 33 BIRDS IN TWO MONTHS FROM NOVA SCOTIA TO BRITISH COLUMBIA.

I have sold 33 birds since advertising in REVIEW. I have sent birds to Vancouver, B.C. and to Nova Scotia.

R. DURSTON,

Secretary Toronto Poultry Association
December 22, '38.

Mr. Durston uses a fifth column ad.

NUMBER OF ENQUIRIES SURPRISED HIM

Mr. H. B. Donovan, Toronto.

Dear Sir.-I notice an "ad" of breeders card for \$8 a year. Would like to take that space just where it is and am sending you order of \$2 for first three months, beginning with January. I have done so well with the small card I had. It is surprising the amount of inquiries that I have had, although they always did not mean sales. It shows how much the advertisements are read. I am sorry that I missed last month. I was so busy I had forgotten my time was up. I sold the Rev. Mr. Scott, of Ridgeway, 3 pullets, 1 hen and 1 cockerel, black Minorcas last week.

W. A. WILSON, Chatham.

December 19, '38.

FROM MONTREAL.

Mr. W. J. Wilson, who lives in Montreal, writes us under date of December 21, 1898.

"I am well satisfied with the trade REVIEW has brought me and hope to use it more this coming year. We hope so too."

Leghorns.

Prize Buff Leghorns Owing to business being so brisk we do not intend showing our buff Leghorns this season. We offer our best show birds for sale without reserve. Our show record is so well known it is needless to mention our winnings. Now is the time to buy for the winter shows. Prices moderate. Wagner Incubator Co., 726 King St., West, Toronto. 199

For Sale-S. C. white Leghorns that are winners, cocks, hens, cockerels and pullets. See REVIEW for prizes won at Owen Sound. Stamp for reply. John Ramsay, Box 149, Owen Sound, Ont

Homo of the Buffs A few grand buff Leghorn cockerels for sale cheap, also a grand cock bird, scored 92 1-2 last winter as cockerel. State wants. A. D. Stewart, Galt.

White Leghorns Exclusively A grand lot of cockerels, pullets and yearlings, sired by cock winner of first at London, Toronto and Ontario Provincial show, and from cock Victory, winner of 1st and special at New Haven and 1st and special at Boston. Eggs in season at \$1.50 per 13. Geo. E. Lee, Highgate, Ont. 499

Leghorn Cockerels-Four solid buff and two whites, bred from my winners at Cornwall and Peterboro. Prices reasonable. S. N. Graham, 506 Princess St., Kingston.

A Few Buff Leghorn Cockerels for sale, \$1 each, or cockerel and exhibition coop \$1.50; bargain. Money returned if not satisfied. Jas. McLaren, Stephen St., Owen Sound.

Buff Leghorns-Winners since 1890, Chicago, Detroit 1898. Cockerels \$3, \$1 and \$5 each, under-color nothing better. Satisfaction guaranteed. Large circular free. Geo. S. Barnes, Battle Creek, Mich. 399

W. Elwood Pollock, Norwich, Ont., breeds S. C. B. Leghorns and Houdans and has a few Leghorn cockerels for sale. Prices \$1 to \$1.50.

I Have About 10 good S. C. brown Leghorn cockerels, good exhibition and breeding birds, also one cock. Will sell cheap to make room. F. Broome, 92 Eagle Ave., Brantford, Ont.

Minorcas.

Eggs from Black Minorcas-Imported from Abbott Bros., \$2.50; White Minorcas, Scott strain, \$2; also a few Black Minorca pullets, \$2 each. R. C. Ferguson, G. T. R., Stratford. 299

Northup's 1898 Minorca Catalogue, the most complete ever published in descriptions, prices, 1000 winnings, new pictures of buildings and fowls, contains much information, fully indexed under 60 headings. Rose and single comb black Minorca cocks, hens, cockerels and pullets. Bargains. George H. Northup, Box 178 Ralliceve, N. Y. 199

White Minorcas Exclusively - At the great Toronto Industrial on three entries I won two firsts and one third; at Owen Sound, three entries, I won 1st, 2d and 3d. Stock for sale. Eggs in season. J. N. O'Neil, 53 Elm Grove, Toronto.

Pheasants.

For Sale-Pheasants of the following varieties, viz: English, Chinese (Mongolian), versicolor (Japanese), silver, golden, Lady Amherst, Reeves and Swinhoe. Dr. T. Shannon McGillivray, Hamilton, Ont. 199

Pigeons.

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

Fancy Pigeons for Sale-Magpies, Owls, all colors, Turbits, Swallows, Dragons, Antwerps, Pouter and Fantails, all colors. Correspondence solicited. C. E. Warwick, 407 Markham Street, Toronto. 299

Jacobins, all Colors Pouters, white Fantails. Special low price sale of above varieties during January. 200 of the choicest birds ever bred to select from. Stamp. Chas. Massie, Box 202, Port Hope, Ont. 299

Chas. Howley, exclusive Carrier breeder in all colors, has some fine birds for sale. 1 pair fine blacks, 1 pair duns, 1 pair whites. Will sell only first class stock. Write at once if you mean business, 312 N. 5th St., Springfield, Ill. 199

Fancy Pigeons for Sale-Pouters, Trumpeters and Barbs, Owls, red and black-wing Turbits, Jacobins, Dragons, Carriers and Fantails. Satisfaction guaranteed or money refunded. Bert Hicks, Woodstock.

Pouters Only All colors, bred from our winners: Choice stock birds from \$2 up. Exhibition birds a matter of correspondence. No price lists. State what you want, with stamp. Magill & Glidden, Port Hope, Ont.

Flying Homer Pigeons for sale Young breeders, early 1898 birds, \$1 pair. Give reason able offer for a few pairs, black, blue or checkers. Jas. McLaren, Stephen St., Owen Sound.

Plymouth Rocks.

50 Barred Rock Cockerels of the choicest breeding. Farm raised, strong and healthy. Thompson's "Ringlet" and Hawkins strains. For a bargain write me. N. G. Moodie, Chesterville, Ont. 389

Exhibition Barred Rocks At London Western Fair, 1898, 50 birds competing. I entered four birds and received 1st hen and 2nd pullet. John Atkin, London.

For Sale Two trios of buff Plymouth Rocks, 1898. Can win, I think. H. G. Charlesworth, 11 Yorkville Ave., Toronto.

Thoroughbred Plymouth Rock Cockerels (barred) for sale, \$1 each. E. Rolleston Tate, Lakesfield, Ont.

Buff Rocks—Will sell 1st pullet Toronto Industrial 1898, and two full sisters equally fine. Three for \$8. J. H. Parsons, Osaca, Ont.

For Sale Entire stock barred and white Rocks, 1 barred cock, 3 hens, 1 cockerel, 3 pullets, 1 white Rock cock, 1 hen, scored 95 1-2; 56 selected cockerels, 6 elegant pullets. No reserve, nor reasonable offer refused. Write, with stamp, for further information. Geo. Bogue, Strathroy, Ont.

Buff Rocks Exclusively—Beman, Burdick and Wilson strains. Cockerels and pullets bred from first prize winners for sale. Satisfaction or money refunded. Eggs in season \$2 per setting. John J. Foley, Brantford, Ont.

Willis' Barred Plymouth Rocks can win in any company. First Ottawa, Quebec, Sherbrooke, Granby and Montreal. A few choice birds for sale cheap. Will exchange Collic for Minorcas. Willis, Granby, Que. Eggs \$2 per 13, \$3 per 26. 399

Polands.

S. F. Gulliford, Akron, Ohio, U.S.A., 30 years importer and fancier. White, Golden and Bearded Buff Laced Polands, champions of America; also Silkies of the finest quality. 399

White Crested Black Polish—I have a number of choice cockerels of this breed for sale cheap if taken at once. Address R. J. Taylor, Brantford, Ont.

For Sale Pair white Poland Bantams (unbearded), Donovan's strain, two years old, pair Silkies, cock imported, yearling and pullet, \$1 pair. R. Libbey, 28 Fairley Ave., Toronto.

Sale or Exchange.

Magic Lantern, with views, Bicycle, E.B. clarinet, paint mill, honey or colonies of bees in exchange for good incubator or offers. F. Bettschen, Palmerston, Ont. 199

For Sale or Exchange—S. C. W. Leghorns, two hens (Hicc), 4 pullets, 1 cockerel (Rice-Jarvis), 1 cockerel (Petch), S. C. brown Leghorns, 2 hens, 1 cockerel (Petch), 2 pullets. Wanted Golden Hamburgs, Golden Polands, G. Yates, Listowel.

A Few Nice Pairs of Antwerp pigeons for sale cheap, or will exchange for other pigeons, Bants or other fowl. W. W. Reid, Ayr, Ont. 1236

For Sale—Black Langshans, partridge Cochins, buff Rock cockerels. Will exchange for Game Bants. Eggs for sale in season. Tedford & Collar, Blenheim, Ont.

At Half Price—Golden bearded Polands and B Spanish, fit to show in any company; or exchange for silver bearded Polands, or buff Cochin cock. Offers. Alvin Small, Box 161, Stratford.

For Sale—Trio Minorcas, good, \$3; two buff Plymouth Rock cockerels, \$1.50, another \$5; buff Leghorn, \$1.50. Magic lantern, complete with views. Exchange for either buff Rock or Leghorn females, or Game or Cochin Bantams. Walter R. Stephens, Box 198, Newmarket, Ont.

For Sale or Exchange—White Wyandotte cock, 37 hatch (Massie strain). Paid \$6 for him and will sell for \$3, or will exchange for two golden Wyandotte hens. H. Dymont, Barrie. 299

For Sale or Exchange—Choice golden Wyandotte (Meyers and Graham strain) cockerels, 100 pullets, 75 brown Leghorns, \$1 to \$2.50. Want white Minorcas, golden Wyandottes, Bantams and Canaries. Alvin Bricker, Listowel.

Golden Polands, white Leghorns, silver spangled Hamburgs for sale or exchange for silver or buff Poland females, black African or Cochin Bants. Wm. Carter, Constance, Ont.

For Sale or Exchange Barred Rocks, one cock and two hens, \$2, a pair of L. Brahmas, \$2; or will exchange for buff Leghorns or buff Leghorns. J. B. Woodhall, Thedford, Ont.

For Sale or Exchange—Three Incubators, one Rapid Clover Cutter, one large Mann Bone Cutter for either hand or power, all in good running order. M. L. Tillson, Blenheim, Ont.

Poultry Appliances and Food.

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. Stamp for samples. H. B. Donovan, Toronto.

The Cyphors Incubator Catalogue and Guide to Poultry Culture (136 pages). Money in Chickens and How to Get It; How to Mate, Breed, Feed and Market Poultry; also cuts and plans for building poultry houses, and cost of same, these and many other things are contained in our Poultry Guide. Sent, post paid 25c. Stamps taken. C. J. Daniels, Sole Agent for Canada, 221 River St., Toronto.

Turkeys, Ducks and Geese.

For sale—Five pairs Toulouse geese, three pairs Rouen ducks; geese bred from the same stock as the old prize winners at Chicago. John Hord, Parkhill, Ont. 299

Various.

For Sale Cheap—Some very fine yearling white Wyandotte hens, also a few black Spanish cockerels and a pair of barred Rocks. William J. Irwin, Seaforth, Ont.

A Few Choice black Minorca cockerels left, 1 pair G. Polish, 1 trio buff Leghorn chicks, 1 trio blue Andalusians, 4 pair C. I. Games, cheap if taken soon. E. R. Frith, Maxville.

For Sale or Exchange—Silver Dorkings, two white Dorking cocks, pair dark Houdans, two pairs black Minorcas and a lot of first-class Wyandottes (three varieties) and other first-class odd birds cheap. T. Tillson, Blenheim, Ont.

Buy Your Brooding and exhibition stock from Thorncroft Poultry Farm. Brown and white Leghorns, barred and white P. Rocks, golden and silver Polands, P. Cochins, D. Brahmas, Langshans, Houdans, and S. S. Hamburgs. Grand cockerels for sale, also a few pullets and Red Cap hens. Eggs from above \$2 per setting. W. C. Wilson & Son, East Oro, Ont. 299

A Snap—Two black Hamburg cocks, as cockerels won 1st and 2nd at Guelph, Woodstock, Peterboro and Coburg. See Hamburg winnings at the late Owen Sound show, winning silver cup for highest scoring bird in show. Hamburg hen, white Rocks, cockerels and pullets, one cock, Hamburg pullets, Houdan cockerels. Wm. Elliott, Oshawa.

For Sale Two pairs Embden, two pairs Toulouse, one pair China Geese, also two pairs Rouen and two pairs Pekin Ducks, one duckwing cock, one duckwing Bant cock. O'Brien & Colwell, Paris Station, Ont.

Will Sell Cheap—Pyle Game cockerel 1st, pullets, 1st and 2nd at Guelph poultry show, also a few pyle Bants at reasonable prices. George Chamberlain, Box 22, Guelph.

Ducks and Drakes for sale Pekin and Aylesbury black Ducks, for showing or stock. A lot of black Java cockerels, white Java's, white Langshans, Geese, etc. F. R. Wobber, Guelph, Ont.

Rigaud Poultry Yards—Fine illustrated catalogue of 21 leading varieties of Standard bred fowls and poultry supplies sent free. Dr. J. H. Bastien, Rigaud, Que.

For Sale All of my show birds in white and brown Leghorns and white Rocks, also two silver Sebright hens. See REVIEW for prizes at Toronto. Thomas Rice, Whitby.

Jas. Mothermal, breeder of barred Plymouth Rocks, silver laced Wyandottes, Cornish Indian Game, white Leghorns. Eggs \$1 per 13, \$1.75 for 26. Stock for sale. Plattsville, Ont. 299

For Sale White Wyandotte cock, scored 91, also an excellent lot of young birds in silver, white, and black Wyandottes, Dominiques, Houdans, La Fleche, black Cochin Bantams, also Cayuga Ducks, pair golden B. Polands and pair black rose-comb Bantams. Many of above our own winners. Stamp accepted. George Bogue, Strathroy, Ont.

For Sale All my prize winners, as I am going out of the-o breeds: Light Brahmas, golden Sebrights, buff Pekins, two black African cockerels, one pair of Carriers, black and white Fans and Antwerps. Joseph Malkin, Barrie P.O.

For Sale Light Brahmas, silver Wyandottes, white Minorcas, partridge Cochins, one partridge cock, all bred from my first prize winners. W. J. Wilson, Amherst Park, Montreal.

Gore Villa Poultry Farm offers for immediate delivery 11 Langshan, barred and white Rock cockerels at 75c each, 25 Minorca and Rock hens at 50c, 10 Pekin and Rouen Ducks at \$1 each. All No. 1 stock. Stratford P. O.

For Sale—Exhibition and breeding cockerels in silver duckwing, golden duckwing, spangled Hamburgs, Houdans, dark Brahmas, partridge Cochins, pen light Brahmas, Game Bantams. No culls. U. Bonneville, Danville, P. Q.

For Sale—A few silver laced Wyandotte cockerels, laced wing bar, nicely marked; one buff Leghorn cockerel, clear buff; one barred Rock cockerel; all exhibition birds at reasonable prices. R. Hollingshead, Kleinburg, Ont.

Partridge Cochins, Barred Rock and black Javans; eggs and stock for sale; a pen of Javans, cock and four hens, good ones, also Mastiff dog, 15 months old and a beauty. L. G. Pequegnat, New Hamburg, Ont.

For Sale—White and silver Wyandottes, barred Rocks, Red Caps, Rouen and Pekin ducks, at reasonable prices. R. J. & A. Lawrie, Wolverton, Ont. 199

For Sale—A number of March and April hatched White Wyandotte and C. I. Game cockerels, all grand birds. Wyandottes from stock with over 200 egg record. Massie-Hawkins cross. W. J. Gordon, Pickering, Ont. 299

Young Stock from my 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 Brahmas; golden Sebright Bants. Satisfaction guaranteed. Wm. Daniel & Co., Plattsville, Ont. 399

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Trout Run Poultry Yards—Grand show birds of 1898 of following varieties: Partridge, white, black and buff Cochins, light Brahmas, white and black Minorcas, barred Rocks, silver grey Dorkings, all bred from winners at Ontario, Sarnia and Massouris Poultry shows. From 60 entries in 1898 won 26 firsts, 16 seconds, 10 thirds. Birds from \$1 to \$2 each. For particulars write William Thorn, Lyndoch, Ont. 1199

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White Wyandottes—About twenty good breeding cockerels to be sold this month at \$2 and \$3 each. This offer only good for month of January. Chas. Massie, Box 202 Port Hope, Ont. 199

Silver Wyandotte Cockerels for sale at half price to make room. June hatched at \$1 each; also a few pullets and yearling hens cheap. W. U'ley, Royal Poultry Farm, Montreal. 999

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