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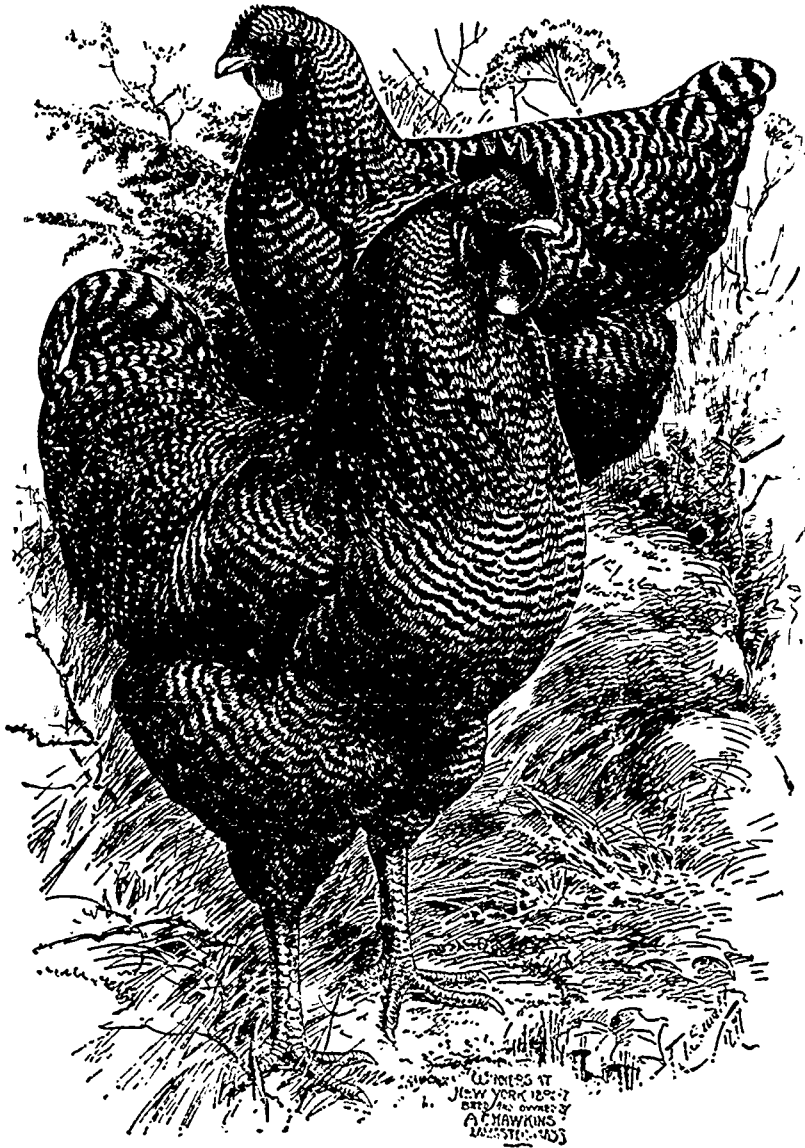
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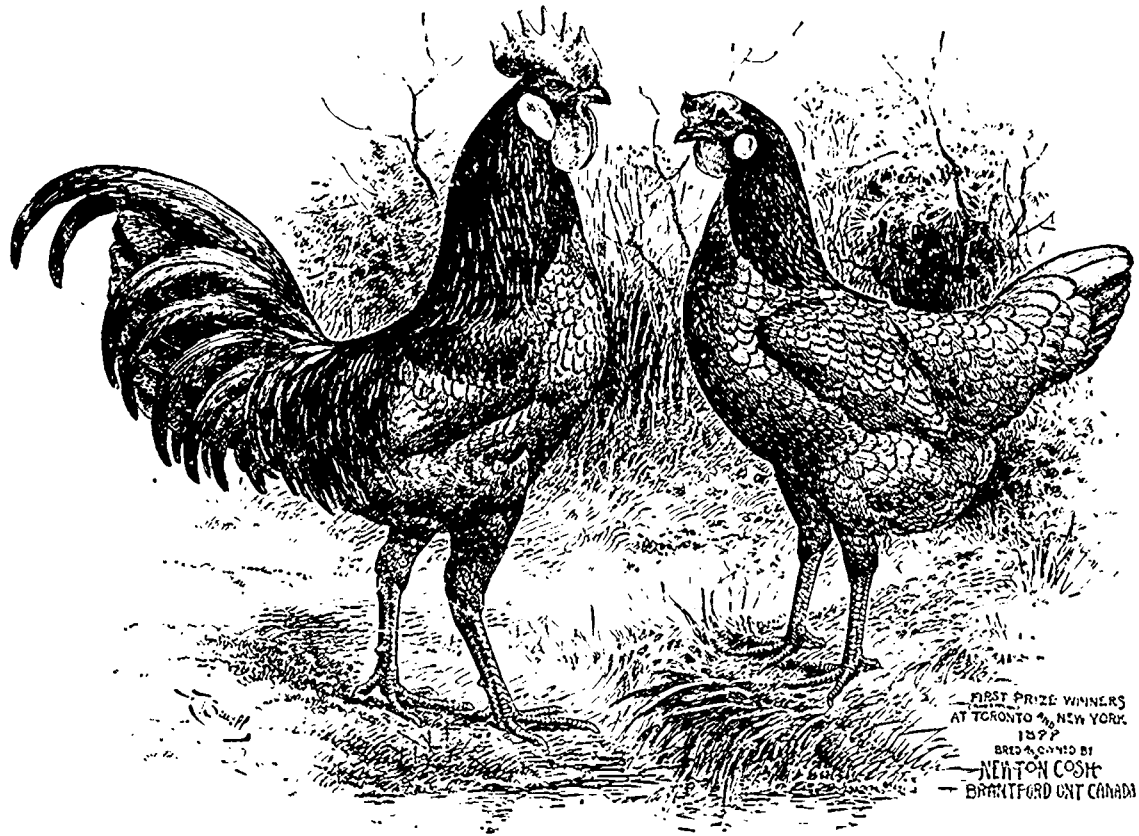
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A PAIR OF A. C. HAWKINS' LANCASTER, MASS.,
WINNING BARRED PLYMOUTH ROCKS.



MR. NEWTON COSH'S WINNING ANDALUSIANS.

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, APRIL, 1899.

No. 4

Incubator & Brooder Department



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

THE MONITOR CO'S NEW SECTIONAL BROODER.

It is made with heater above, which covers all the space over chick and, they claim, is much better and takes less heat than the pipe system.

Chicks brood underside, which is covered with flannel to make it soft for their backs. Heater has their new style double boiler and chimney with concave lamp.

This brooder is divided into sections three feet long for 75 chicks each, all that there ought to be kept together; and the beauty of it is that the platform where chicks brood can be lowered as fast as they grow so as to give them more space, until finally you

can take platform out entirely and give them the whole space which is 9 in. high. Then again the chicks when

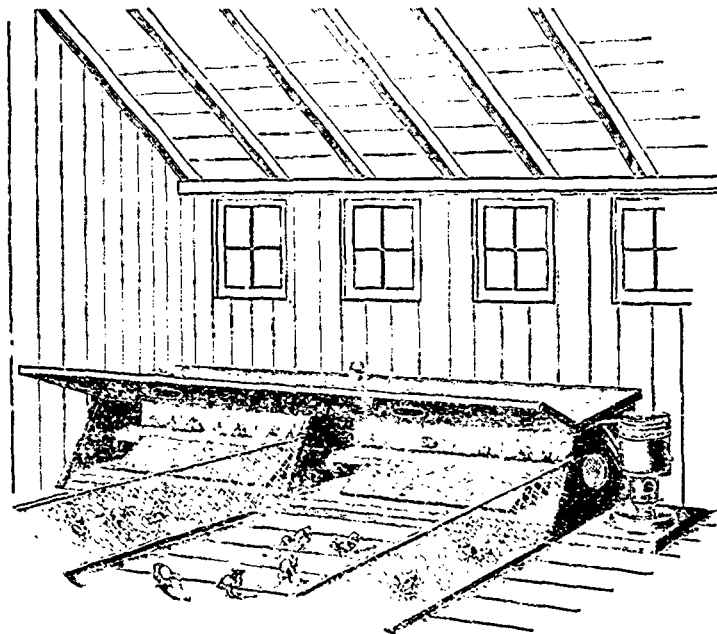
small have a nice run of 864 square in. in each section for 75 chicks underside the brooding platform. It takes but a small amount of oil to heat and run this brooder and they make them from one to five sections long, just as wanted.

ARTIFICIAL INCUBATION.

MOISTURE AND VENTILATION.

By H. J. WOOD, HULL, QUE.

THE sections of our subject dealing with the application of moisture and ventilation to the eggs while hatching, or rather perhaps to the air surrounding the eggs, are so vitally important that

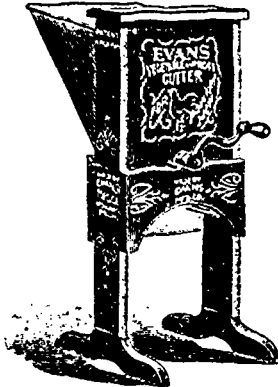


they deserve an article to themselves, for I think myself that beginners in incubation make shipwreck of their hopes more often upon errors committed through a want of appreciation of the whys and wherefores of this phase of the question than from any other cause whatsoever. To begin with that oft repeated question—how much moisture should I give? the answer is inevitably,

as much as is necessary. How much, then, is necessary? To this one can only reply: If

BARNUM SAID

"You can fool all the people sometimes and some of the people all the time, but you can't fool all the people all the time." We have Barnum competitors that have been telling the public for some few years past that they have a perfect incubator, telling us of 100, 97 and 96 per cent hatches, and so on, and advising the public against buying any Yankee machine, as their machine could knock the spots off any Yankee machine ever invented. This was good twaddle until the only up-to-date hatcher (the Cyphers) made its bow. Now the scene is changed, now they go to work and discard those wonderful 100 per cent hatchers, throw them overboard, no earthly use, buy a sample Cyphers machine, pull it to pieces, steal Cyphers ideas, and put right on their machines "patents pending," which they know is a direct falsehood. Truly our competitors are in a tight place when they have to resort to such bareface robbery. Putting a Cyphers machine together to look like a Cyphers does not make a Cyphers. You would not think of taking that Elgin movement watch of yours to a blacksmith to have him put it together and expect it to run well. Our competitors know no more about the workings of the Cyphers machine than the blacksmith in question. We are having lots of these machines offered us in part exchange for Cyphers machines. We have taken some and made kindling wood of them. The Cyphers Incubators have been on the market five years. It would be hard to find a second hand machine of that make for sale to-day. The cost of a genuine Cyphers machine is but two or three dollars more than the worthless imitations. If you buy a genuine Cyphers you will have an incubator that will hatch every fertile egg. You will not have to sit up nights to watch it for fear it should catch fire, as our competitors machines do. One case of fire has happened already, and had it been night the whole establishment would have gone up in smoke. The genuine Cyphers are absolutely fire proof and as safe as the best bank safe manufactured. **MORAL—Don't be Humbugged.** Buy a genuine Cyphers Incubator and if machines are not what we represent them to be return them and get your money back. None of our competitors dare make this offer. **C. J. DANIELS**, Sole Canadian Agent, Cyphers Incubator Co., 221 River St., Toronto.



Evans' Vegetable and Root Cutters

No. 5.

Price \$5

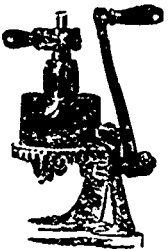
These machines meet a long felt want among poultrymen. They make possible the feeding of green and succulent food in the dead of winter when every spear of grass and green thing is killed by frost. They convert all kinds of roots into fine particles like angle worms that are greedily eaten by all fowls, 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 STREET, TORONTO

your incubation is conducted upon theoretically perfect lines, none; for the egg when it is laid contains within itself as much moisture as if properly conserved would suffice for the hatching of the chick, but as we are rarely able to supply, as does the hen, air to the germ without causing undue evaporation of the liquid contents of the egg, it follows that we must repair our clumsiness by supplying moisture to take the place of that of which we rob the egg, and this is the only possible answer to the question "How much moisture to supply." We have an excellent means of judging at any given stage of the hatch, as to the conservation of moisture within the egg, being able to see through the shell the rate of growth of the air space, remembering that the contents of the newly laid egg fill the whole of the shell and that just before the eggs are ready to hatch, say on the 18th day of incubation, they fill only about four-fifths of it, and this diminution by evaporation should go on regularly from the beginning to the end of incubation. Usually and preferably the evaporation of the contents of the egg is controlled by the operator through the manipulation of the ventilating holes made in the machine which are mostly adjustable by means of small shutters. In our own case we provided in a 162 egg machine twenty-four half inch holes, all in the bottom of the machine, of which we open at putting in of eggs always one hole to fifty eggs; on the 7th day another hole to every fifty eggs; on the 12th day ditto; while on the 18th day we open more, not by rule, but we are guided every time by our own judgment as to the relative size of the air space. It usually happens that on the 18th day we have about 15 of these half-inch holes open, we however always use some moisture supplied in galvanized iron pans four-inches square, 16 square inches each. Usually about four of these are in by hatching time, having been put in at various times throughout the hatch, beginning with one between the 7th and 10th days. When the chicks are coming down into the nursery where the pans are we cover them with a piece of fly screen gauze tacked on a light wooden frame. I am aware that this ventilation is in excess of that usually recommended and that added moisture is in many machines not used at all, but it appears to me that the air in the incubator cannot be any the worse for constant renewal, and supplying so much air we have to

counterbalance its drying effects by the addition of moisture; and so far we have observed no results which would cause us either to condemn our practice or to depart from it.

There is another thing also that calls for careful watching, viz., the quantity of moisture in the air we supply. In our own case our hatching is done in a spare bedroom of our dwelling house in which room we have at the present time three machines—one of 50 eggs, a bought one, and two others of our own design and construction, one of which is 135 and the other of 162 egg capacity. Now in the summer, not only is the air in general dryer, but the household cooking and washing is done in the summer kitchen while in winter these operations are performed in the kitchen proper, which is part of the house. It is then perfectly clear that any rule that might be formulated to meet the winter campaign when the air of the house is somewhat heavily charged with steam from the cooking and washing would be totally unfit for summer when the air is relatively dry and contrariwise. What is wanted is common sense, diligent watching and comparison and an inclination and capacity for absorbing lessons from other people's experience. Of course when one buys an incubator there comes with the machine the maker's instructions for running it which should, for at least the first hatch, be followed implicitly, and from one's experience in that hatch and the results thereof may be deduced many other rules which will help the operator in aftertimes.

It is curious to observe how narrow is the margin of safety between having the eggs too dry and not dry enough. If too dry the chicks, although perfectly formed, will be found stuck to the inner skin of the egg and so unable to turn in the shell, while if not dry enough the chick will be so large that when it breaks the shell it will thrust the point of its beak right through and so from that cause also will be unable to turn and complete its liberation. Although I think there is no doubt that the general experience is in favor of putting in an excess of moisture rather than not enough, for while it is difficult for an abnormally large chick to free itself from the shell, it is impossible for one to do so that is dried to the skin enveloping it.

So that the whole question may be summed up in this: Watch your air space not one or two eggs only

nor about three times during the hatch, but many eggs and every night, taking some from different parts of the machine on different evenings, for, as we were taught in our youth, "virtue is the mean between two vices," so the road to success lies between too dry and too wet, and after a hatch or two you will be able to tell perfectly well if you are doing the right or the wrong thing. Remember nothing you can do in incubating can be classed as of no effect, it will either help your hatch or hinder it, "near enough" will not do, neither for ventilation nor for moisture. You must be right even as the poor old hen is right, yea your

righteousness must even exceed her righteousness, for while she deals with only twelve or thirteen eggs at a time you will deal with maybe hundreds.

I am at present, and have been for a month past, engaged in putting in a No. 3 Daisy Heater with 3 loops of 1 inch pipe in each of the 50 feet wings of W. E. H. Massey's 112 foot brooder house. I have had charge of planning and building the same and the 175 foot egg producing house built last summer.

The egg producing house is now well stocked and eggs are being laid by the basketful.

The brooder house will be in operation in a few days, several incubators having been loaded up some time ago and chicks are expected in a few days.

I might at some future time give you a detailed description of all the arrangements of this 112 foot brooder house, all of the latest American ideas in working order.

C. O. VAN, March 17th, 1899.

R. C. ALLEN.



TORONTO INCUBATOR

Highest Awards at Toronto Industrial Exhibition

Winning 2 Silve 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:

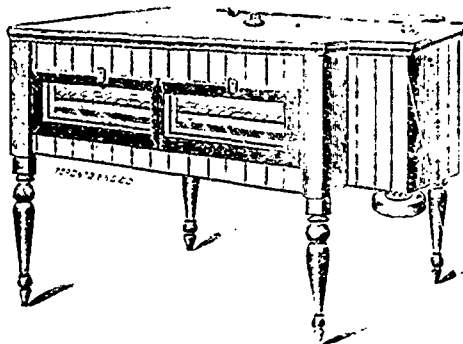
21 King Street West, Toronto, May 17, 1898

My fourth hatch for this season has just been completed, with the following result: 100 eggs, 96 fertile, 93 healthy chicks.

(Signed) L. H. Baldwin.

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

T. A. WILLITTS, 511 DUNDAS ST., TORONTO, ONT.



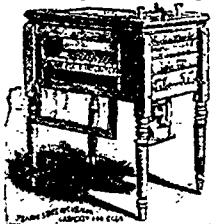
This cut represents our 210 eggs capacity improved

SAFETY Incubator

Like all our machines it is absolutely self-regulating and supplies its own moisture. It is manufactured in Canada hence there are no Customs duties to pay on it. It is guaranteed in every particular and your money will be refunded if you are not satisfied at the end of the first hatch. We will present this incubator to the first man who can find a better hatcher. Just send in your address and get one of our free circulars. There is money in it for you. Address 199

J. E. MEYER, Kossuth, Ont.

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.

Used on the Largest Poultry Farms in the U. S.

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.

199

THE POULTRY PROFIT

is barely mentioned by the use of the **MONITOR INCUBATOR** which hatches the largest percentage of live chicks from a given number of fertile eggs. This fact and many others of great value fully proven in our 80 page catalogue—sent for 1 cts. in stamps.

THE MONITOR CO., BOX 56, MOODUS, CONN. 799

SIXTEEN YEARS EXPERIENCE IN

"ARTIFICIAL POULTRY RAISING"

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"The Incubator and its Use"

Both books by James Rankin, the most successful man in commercial poultry business. Each book covers its own ground fully. Price 25c each by mail.

H. B. DONOVAN, - - Toronto

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.

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.

POULTRY IN THE MARITIME PROVINCES.

POULTRY is bound to become an important factor in money making in the Maritime Provinces. Why? Because it does not require a large outlay to purchase stock or erect a suitable house. Indeed, a portion of a barn or outbuilding may be converted, with little trouble or expense, into a proper habitation; a great deal of waste can be converted into proper feed. Again, returns are quick and sure. From a trio of thoroughbreds a flock of chicks of considerable numbers may be raised in one season. When of proper age the cockerels should be disposed of for table use, or, if circumstances permit, as breeders. By proper management the purchaser of a trio of thoroughbred Rocks, Wyandottes, Brahmas, etc., should find himself at end of season in funds from sale of his cockerels, and with a number of pullets (prospective winter layers) on hand, as well as the old stock. If necessary the latter will do to breed from another season. Perhaps it will be well to purchase the trio of thoroughbreds in the fall when prices are not likely to be as high as in spring time; but get the thoroughbreds and make a beginning. The farmers of the Maritime Provinces are beginning to give attention to the points enumerated; more, they are beginning to realize that their near locality to the great British market is a great point in their favor. At a meeting in St. John city, New Brunswick, last month a poultry man said to me, "We have only to go to the wharves to see the great quantity of poultry and eggs that come from the west and go by steamship to the British market; and what are our people, who are at the very outlet to this great market, doing?" And new laid eggs sold in St. John throughout the winter at 30 to 40 cents per doz. and not over easy to get at those figures. When the over-production fiend is met

with in St. John he is told, "Yes, there may be something in what you say, but at present we do not have new laid eggs in winter in sufficient quantities to affect prices here, and when we have a surplus we can easily ship to Great Britain." And this statement may be applied to more points than one in Ontario and Quebec Provinces. Already there are live poultry associations in St. John and Halifax. As good birds as can be found in Canada are now held by fanciers and farmers in or around the cities and many towns in Nova Scotia and New Brunswick. A member of a firm of shippers at Antigonish, N.S., wrote me some time ago: "We did a successful business in shipping eggs to the English market last season. We lost nothing by deduction for shrinkage. What we want from the farmers are many more large eggs." From the foregoing it will easily be seen that there is every reason for, and every likelihood of, poultry booming in the near future in the Maritime Provinces.

There are many persons who, unfortunately, are more ready to play the part of a doubting Thomas whenever poultry profits are being discussed than to help a fellow mortal on to success by an encouraging word. To tell such an one that by laying her eggs in winter and rearing chicks in early summer a hen will pay a profit of \$2.00 per annum, is like shaking a red rag before an angry bull; and yet, read what Mr. J. D. Lowrey, of Trenton, writes:—"I have closed all accounts for the year. I find my 45 hens have netted me \$1.57 each! No fancy prices received for eggs or for stock, everything being sold on a glutted market. My feed was bought at highest prices." One such sample proof is more than recompense for all the buckets of cold water from all the skeptical sources put together.

Numerous complaints have reached me as to the unsatisfactory output of eggs by numerous flocks of hens in different parts of the country during the past winter. Would it be too much trouble for some of your practical poultry readers to give their experience and their reasons for complaint, if any. The collection of data in connection with the subject would be both valuable and interesting.

The New Brunswick Poultry Association of St.

John, N.B., have a comfortable room to meet in. The room is used in turn by the Literary and Scientific Society. Dr. John Berryman is President of the Poultry Association, and a very genial and capable presiding officer he is. He is enthusiastic and full of advanced poultry lore. The members of the Association are dead in earnest and as a consequence the birds in the city and vicinity are rapidly increasing in number and quality. A large addition is to be made to the poultry building in the Fair grounds of the city. We had a meeting and talked "eggs in winter" and "superior quality of flesh for home market and shipment."

Mr. H. Lathe, a farmer of Lacolle, Que., writes under date of 11th March:—"I received for 26½ doz. of eggs laid in January by 360 hens, \$82.23; if any one can beat that I will be pleased to hear from him." And yet some people are found who will tell you in all seriousness that there is no money in poultry for the farmer. Why the farmer is the very man who can convert a lot of waste into money by means of poultry. Some further particulars from Mr. Lathe will be interesting.

From the number of enquiries being made and orders placed, breeders and fanciers ought to do a good business in eggs for hatching this spring.

Mr. W. W. Hubbard, the energetic corresponding Secretary of the Farmers' and Dairymen's Association of New Brunswick, writes, "There is a lot of interest being taken down here in poultry and I believe that we are on the eve of a great boom in that industry." And Mr. Hubbard knows whereof he writes.

We were at a Farmers' Institute meeting in Upper Georgetown, N.B., about the 16th of February. We stayed with Mr. E. Currier, a well-to-do farmer. At supper the farmer's youngest boy said to me:—"We have 17 hens and I have been getting 9 and 10 eggs from them during the winter." "Good for you," I said, "you must know how to manage them." "Guess his mother knows more about how to manage them than he does," remarked the farmer. "No matter," I said, "they must be well handled to do so well." Then I found that the waste of the house was utilized, that the layers had a comfortable house with plenty of room, litter on the floor, vegetables, broken mortar for lime and drink water. Mrs. Currier said, "I never keep my pullets over a year, it is easier to manage pullets than old hens." This coming season they intend to double the number of laying stock and as they have plenty of room will likely do so to advantage. Mrs. Currier's good example and management ought to be followed by other farmers' wives.

FARMERS' INSTITUTE MEETINGS.

(CONTINUED FROM LAST MONTH.)

AT Willoughby, in the county of Welland, a fair audience greeted us at the opening meeting of the second half of February.

Several persons in the neighborhood have for some years been breeding both for market and egg production with satisfactory results.

The subject of comparative profits, on the farm, under various conditions, interested those present in the afternoon and an interesting discussion on broilers ensued. Incubators, also were an interesting subject and questions were asked as to the many different styles.

In the evening the hall was crowded to the doors and once more poultry was discussed, the ladies being especially interested. At a private confab after the meeting some enquirers were enlightened on the method of ridding the fowls and houses of lice.

Port Robinson followed Willoughby, and here the question of the afternoon was "Poultry Houses on the Farm." The small house capable of being heated by the natural heat of the fowls was discussed and the necessity for ventilation in this style of house was referred to, as well as the necessity for drying out such a house periodically. The larger house which requires little ventilation, if kept clean, was next spoken of and the location of the house was discussed.

In the evening the speakers were flattered by the turn out. The subject of "Poultry on the Farm" appeared to fill the bill, and the necessities of local and foreign markets were brought forth. It was shown that poultry as well as cattle and horses were bred in line with particular objects in view. As horses are bred for trotting, for heavy draught and for general purpose, so were poultry bred for the market, for egg production and for general purpose.

As a result of the meeting, several persons signified their intention of building special houses for their fowls and taking greater care of them.

The meeting appeared to be a success from this point of view.

Humberstone and Marshville meetings were well attended, the afternoon at the latter place being especially encouraging. On egg production one person asked for information. His fowls were early

hatched, had no disease, were in good condition but laid only a few eggs during the winter, so that in this case the enquirer thought early hatching (as advised for winter layers) had not produced satisfactory results. The facts, as discovered afterwards, were that the eggs had been appropriated unknown to the owner, the fowls laid all right but the eggs disappeared. It would be well for the enquirer to investigate, and although I might be able to assist in this particular I would be guilty of breach of confidence.

Dunnville is quite a poultry centre. Every Tuesday the market is great, poultry being shipped from here to Buffalo in large numbers. Prices of eggs are low now, but still there remains a fair profit.

Queries on incubators were numerous. Rye, green bone and grit were also spoken of.

Canfield, Kohler and Selkirk, in Haldimand county, kept up the record, in each place the halls were crowded and enthusiasm continued.

At Port Dover the attendance was not so large, but the audience was composed of practical persons who took much interest in the proceedings. On the subject of "Fattening Poultry for Market" one farmer expressed views which corresponded with those of the lecturer. This farmer has been successful in his endeavors and was glad to find that his methods were endorsed. A second, agreed with the idea of disposing of the old hens immediately after bringing their chicks to an age when they could forage for themselves. He had been disposing of them at that time and was satisfied with the result. The Plymouth Rock is an especial favorite in this locality, one gentleman stating he had bred them over twenty years.

The question of incubators was discussed again, several signifying their intention of investing in one. More fowls were seen in this town than in any yet visited aside from Brantford.

Port Rowan meeting was poorly attended, but lack of numbers was evened up by the interest displayed. Subsequent to the afternoon meeting (at which feeding was discussed) an enthusiast enquired if it would be advisable to attempt the poultry business on a large scale as a livelihood. Suitable advice was given and illustrated by our old friend Gilbert's humour: At risk of repetition, it may be said that Mr. Gilbert was asked a similar question on his lecturing tour in East-

ern Canada. In reply, he enquired, "Have you any experience? Do you know anything about the poultry industry?" "No," was the answer. "Do you know anything about the drug business?" "No," once more. "Then," said Mr. Gilbert, "I would advise you to tackle the drug business first." And surely experience is as necessary in the poultry industry as in any other profitable employment. It was therefore suggested that the interrogator should commence on a small scale, as a side issue, then spread himself. Interrogations respecting quality of incubator and bone cutters were frequent.

The danger of adding to the flock without adding proportionately to the accommodation, was pointed out. At the evening session egg production was the subject, it being advocated that size should be first obtained on the pullets, and not a rapid forcing to maturity, which latter method frequently causes early fall moulting with resultant reduced egg production during winter.

Clear Creek meeting was lively. Questions were fired at the speaker in great style, and this put life into everybody. The roads were in bad shape, so the turn out was not large. The idea that farmers should keep accounts and study the poultry market prices struck them as reasonable, and when it was stated that cockerels hatched in March, well cared for up to July, then sold, would bring a larger profit than if they were fed until November (not to mention the lessened care) those present were, to say the least, very much surprised.

Illustrating this contention, the speaker called attention to the fact that in selling hogs farmers study market prices. If the hogs are ready for market at a time when prices are low the farmer will feed on for a week or two if he thinks prices will improve, and this even at a loss on the increased weight. Then again, if prices are high and the hogs not quite ready they are sent to market so as to obtain the advanced figure. If a profit of 25 or 30 per cent. is obtained the farmer is well satisfied, and yet he does not recognize the necessity of studying poultry market prices which would bring him a return of 100 per cent. on the feed.

At Lynedock an interesting discussion took place. Although this was the first Farmers' Institute meeting held in the village there are quite a number of poultry breeders in the locality. Talks on Turkeys, Geese

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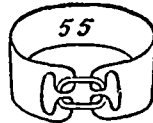
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and Ducks led up to the incubator question and a number of farmers intend breeding on a larger scale by using a machine. The evening meeting was well attended and egg production was the theme.

Wyndham Centre and Bealton (especially the latter place) were centres of quite a poultry district.

I visited one or two yards and found several birds that had won at the neighboring Simcoe show. Silver Wyandottes and barred Rocks were the favorites here.

Having encountered some pretty severe weather I was not sorry to bring the trip to an end which I did on the last day of February.

I took advantage of an opportunity to respond to an invitation to call on Mr. Montgomery, President of Brantford Poultry Association, as I was passing through that city. He is one of those workers who take an interest in poultry for the love of it, and who is always willing to lend a hand to a struggling association, although this is not always appreciated.

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IT has been my ambition not only to own a variety that would give me entire satisfaction, but to breed them myself to conform to the Standard requirements, with beauty and productiveness combined, and I can truly say that black Minorcas are my ideal variety. As matured birds they are easily kept in laying condition, and they are not merely layers for a season but they are all the year round layers of large, white eggs. With black Minorcas we can truly say that "like begets like," for we can get the best of results from a single mating. The fact that black Minorcas are winning their way into the very heart of the fancy is proof conclusive that they are money makers both in the increased sales for the fancier and the well-filled egg basket for the farmer, the fancier, and the village or city resident. If you want eggs averaging six to the pound you must keep black Minorcas, for the world-wide verdict is that they are the champion egg producers; they are fully one-third larger than their competitors, the Leghorns, hence, of the two, Minorcas are the more profitable.

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The black Minorca is a corker,
She does not set,
So will not fret the man that may attend her.
She's making mon
From sun to sun,
Therefore I recommend her.

H. WARRINGTON.

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FROM "THE ISLAND."

EDITOR REVIEW:

ENCLOSED please find one dollar for which kindly send me the REVIEW for this year and also to the two names given below. The REVIEW is too useful to do without, may have an ad. inserted for next month as soon as I can get my breeding pens satisfactorily mated; am purchasing some new birds. I purchased about \$25.00 worth of birds from REVIEW advertisers last fall and was treated squarely and honestly by them all. Kindly commence subscriptions to new names with February editions of REVIEW. If you will send me a few sample copies I can use them to advantage.

Professors Robertson and Macoun have been lecturing to the farmers here this last two weeks on agriculture in all its branches; they have gone away now, however. Prof. Robertson said they intend to start one or two poultry fattening stations on the Island this year I think, which is a step in the right direction, we also expect an experimental farm, but not at present. I breed barred Rocks only this year.

Yours truly,

ALFRED RIGGS.

Charlottetown, P. E. I., March 7, 1899.

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Rose Comb B. Leghorns won at the Ontario sh. w., 1899, three 1st, one 2nd and one 3rd, gold and silver medal for best collection, special for best pair brown Leghorns, including single combs. Special for best bird in Mediterranean class. Our pen this year can't be beat.

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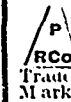
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GOOSE BREEDING.

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 cross-breeding of geese is a very simple and practical question as compared with the cross-breeding of fowls. In order that one may be provided with crossbred cockerels for market and crossbred pullets for laying stock, one must keep a large flock of pure bred females of one breed, and a suitable number of males from another. But as this pure bred stock must be renewed about once in two years, one is under the necessity of buying pure bred eggs or chickens, or of keeping breeding pens of two pure breeds in order to have the stock for the production of first crosses. No such difficulty is presented in the raising of cross-bred geese, because the breeding stock is so long lived that it need seldom be replaced. Ganders and geese once mated may be kept seven or eight years without change, when it would usually be best to change the gander for a younger one of the same breed, although Canada ganders are useful for a very much longer time, in most cases, barring accidents, twenty-five years at least.

THE GOOSE INDUSTRY IN RHODE ISLAND.

Compared with her sister states, Rhode Island is small in area, but so situated in relation to salt water that her coast line corresponds inversely with her size. In greatest length and width the State is about forty-eight by thirty-seven miles. The land area is about 1,045.6 square miles, and, including Narragansett Bay, about 1,300 square miles, while the coast line, washed by tide water, measures about 400 miles. In addition

to this extended coast line is a large area of land-locked ponds of brackish and fresh water along the whole southern shore, and numerous ponds, rivers and streams throughout the State, which furnish ideal conditions for the keeping of geese. The State is famous for her poultry industries, and her turkeys have an established reputation in the best markets of the country. Her green geese and mongrels are no less favorably, but perhaps less widely known, because restricted to narrower channels of trade. Geese are very hardy, subject to no diseases and few enemies, excepting dogs and foxes, and, aside from the breeding season, require less care than cows, sheep or hens, while the income from money invested is perhaps greater than any other farm industry can show. The following figures relating to geese and turkeys are compiled from the Rhode Island census, 1885:

	No. kept.	Value.	Average value.	Value of product.	Average annual product.	Per cent gained
Geese	8,677	\$14,437	\$1.66	23,629	\$2.72	163
Turkeys	22,767	39,473	1.73	17,923	.78	43

Had the money invested in turkeys in 1885 been invested in geese, and returned the same per cent. of gain as was obtained from those kept, the value of the product would have been \$64,340.99, instead of the \$17,923 received from the investment in turkeys.

The following statistics regarding the goose industry are kindly furnished in advance from the information secured by the census department of the State, and relate to the year ending with November 1st, 1895. Number of breeding geese kept in the State, 3,909; valued at \$7,141.35, or an average of \$1.82 each; 22,257 goslings were raised, valued at \$26,039.50, an average of \$1.17 each. The value of feathers sold was \$418.20, and the number of pounds was 987, the average per pound being 42.3 cents. The total value of goslings and feathers was \$26,457.70, making an average return of \$6.76 for each breeding bird kept, or an increase represented by 371.42 per cent. The entire number of breeding geese kept in the State averaged to raise nearly 5.7 goslings each during the season. On November 1st, 1895, there were on hand 4,811 breeding geese, valued at \$8,790.85, or 902 more geese than the year previous, worth \$1,648.65 more than the breeding geese at that time. When these figures are compared with those of 1885, we find that the number of breeding geese had decreased 55 per cent., while better management, or

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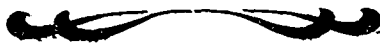
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JOHN J. FOLEY,

Brantford, Ont.

good luck, one or both, had increased the product 11 per cent. beyond that of 1885. The income per goose in 1895 was \$6.76, as compared with \$2.72 ten years before, and if we represent the gain by percentage it was 163 per cent. in 1885, and 371.42 in 1895.

We are of the opinion that the income per goose in 1895 is higher than the income per sheep for the same year, but the data with which to prove the statement have not yet been published. In 1885 the census gives the number of sheep as 16,298, and the value of lambs as \$24,587.00. The wool is valued at \$16,453.00, or a total of \$41,040.00. This gives an average product per sheep of \$2.51, which is 21 cents less than the average value of the income per goose for the same year, and \$4.25 less than the average income per goose in 1895.

One goose breeder raised, one season, from four pairs of geese, 61 mongrels, which sold for \$149. Another season he had 37 sheep, ewes, from which 37 lambs were raised and sold at \$5 each. The same season 10 geese paid better and ate less. Rankin says: "I am going to tell you of one experiment I made with a pair of African geese. I let them run separately, fed liberally, to see the best they could do. The goose laid 51 eggs, and I only succeeded in getting 37 goslings. A horse got loose and killed one, and one died, leaving me 35 for market. I sold them * * * for \$81.47; so one goose gave me more profit than a cow and two hogs. Yet I did not feel satisfied with my hatch, which was under the average. One of my neighbors beat me."

(To be Continued.)

THE AYLESBURY DUCK.

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

IN America everything seems to be Pekin. The big duck farms, where from 5,000 to 30,000 ducklings are reared annually, use the Pekin duck. That the Pekin is a good market duck I do not deny, but that it is superior to the Aylesbury I seriously question. In England the greatest duck rearers find the Aylesbury answers their purpose, and the Pekin is not in the race with it.

For market purposes I think there is little to choose between these two breeds. They both are white and the pin feathers cannot be very conspicuous on either.

They both are of good size and are admirable growers. The feathers of one will probably sell as well as the feathers of the other, at any rate I can see no reason why this should not be so. There is no special difference in the meat of the two breeds. For the market man, therefore, I can see no good reason why one should be preferred to the other, though such a preference is made, in favor of the Pekins in America and in favor of the Aylesbury in England. And as neither nation has a monopoly of poultry knowledge, this difference of preference is a very good reason for believing that no real difference of quality exists.

From the fancier's point of view, however, I think there is good reason for preferring the Aylesbury to the Pekin. The beauty of white fowls consists in the purity of their whiteness. You see this in the American Standard and in American judging. If a fowl shows a yellowish or creamy tinge and especially if the quills show any of this tinge the score exhibits cuts from $\frac{1}{2}$ to 1 point, and sometimes even more, in each section where the tinge appears. The purer and whiter the white the higher will be the score, other things equal. This being the fact, and a fact which cannot be denied, if one of these breeds is whiter than the other, it has of right a stronger claim upon the fancier. And the simple fact is that the Aylesbury is the whiter breed. It is largely free from the objectionable yellow tinge which is tolerated in the Pekin. Its flesh-colored legs and bill help to keep it so. The Aylesbury is the whitest white duck we possess, and therefore, while I believe it to be the equal of the Pekin in practical qualities, I believe it also to be the superior of the Pekin in fancy qualities.

A flock of Aylesbury ducks arrayed in immaculate white is a handsome spectacle, either upon a green field or disporting in the waters of a pond. While colored ducks are to be preferred to white ones for the generality of fanciers, if one has the necessary room so that a green field is possible, and his taste runs towards white birds, he will find the Aylesbury meet his requirements admirably. If market men still persist in holding to the Pekin, fanciers, at least, ought to give the Aylesbury a show. They cannot fail to be pleased with it, for it is, under proper conditions, a beautiful as well as a valuable water fowl.

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**A. G. HULL & SON, Central Nurseries,
Box 367, ST. CATHARINES, Ont.**

MR. FELCH ENDORSED.

WE WANT COUNTY OR LOCAL GRANTS.

BY W. COLLINS, PETERBORO.

I HAVE read with pleasure in your February number an article by that veteran poultryman I. K. Felch, ex-President of the American Poultry Association, on "Poultry Culture." If I might be allowed to begin in the middle of that paper I may say that I fully endorse all Mr. Felch says about the importance of the score card being used to indicate the value of the birds, as by no other way can the breeder, if an amateur, or the general public who wish to see the specimens, form a correct estimate of the excellence of the exhibits. It is, to a great extent, to educate the masses that shows are held, and to help the breeder to disseminate his stock among them, and thereby improve the quality and increase the quantity all along those lines.

Then, as to the state grants vs. county grants; I would not, in Ontario at least, favor cutting off the grants to the Ontario show, as the breeders wish for it to try conclusions and compete against others for the large or sweepstake prizes at least once a year, and by that means they keep up a friendly rivalry that would not otherwise urge them forward to the very highest ideals of poultry, as was seen this year in Toronto, when the Ontario breeders were competing with the very best that their American friends could produce.

Now, what I would propose is that there should be local county association shows, or district shows, one for each of the 13 districts in Ontario, supplemented with a grant from the Government, as it is very hard for local boards (without any assistance) to pay prizes and expenses, and not infrequently local show directors find themselves in an unpleasant position and quite a number of associations have ceased to hold their annual shows on that account. Now why should they not expect some assistance as well as agricultural and horticultural societies, and more so than branch or township shows whose usefulness, in the writer's opinion, is past and gone except, perhaps, in some of the newly settled districts. Why give grants of from

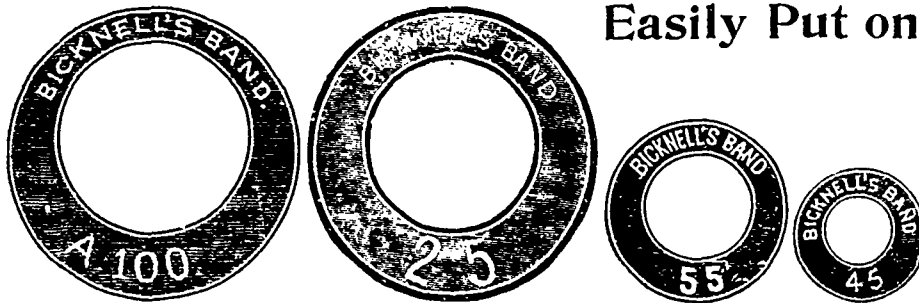
\$100 to \$140 a year to each of those latter shows at which the prizes all told do not equal those given at a local poultry show, and then they are held in very close proximity to the towns where the county exhibitions are held. I give as an instance; three are held within 13 miles of Peterboro every year, and what consideration does the poultry get at any of those places? there may be a few specimens set against a fence without cover or protection. They are clearly a side issue as far as county or township fair boards are concerned and we think that the poultry have been relegated to a back seat long enough and that the poultry breeders should set to work and try to get some assistance to hold COUNTY SHOWS as they would become feeders for the larger ones, and the young breeder would attend those at first until he got confidence that he could take his chances with his big brothers in the larger show rings. Hundreds would visit these smaller exhibitions who would never travel long distances to attend the larger ones.

With a grant of about \$125 annually county associations could hold their shows with confidence and offer inducements to exhibitors that would soon bring the poultry interests to the front. It was by persistent work, and assistance and instruction that the cheese interests of Ontario have been placed in the front rank in competition with the world. Or, in the event of county associations being considered too small, the district or four county associations might be favored by some in as much as the organization would be stronger if they had a proportionately larger grant; in either case to be affiliated under the Agriculture and Arts Act.

With the latter it might be better to hold the meetings in each of the four county towns once in four years which would make a circuit, but this has advantages and disadvantages. Among the latter would be the expense of moving coops each year and the expense connected with meetings of the directorate who would likely be living at a distance apart if they represented the entire district, and if they did not there might be jealousy creep in, also one town might be more successful than another for holding exhibitions in. On the whole I would favor the county rather than the district association as likely to do the greatest good to the greatest number.

My object is to start a discussion out of which some definite line of action may be evolved, as I have been told by quite a number of fanciers in different parts of the Province that it is almost impossible to carry on a successful exhibition every year without having a small guaranteed grant of money to assist them, without having to go about soliciting donations and subscriptions from the business men and others in the locality.

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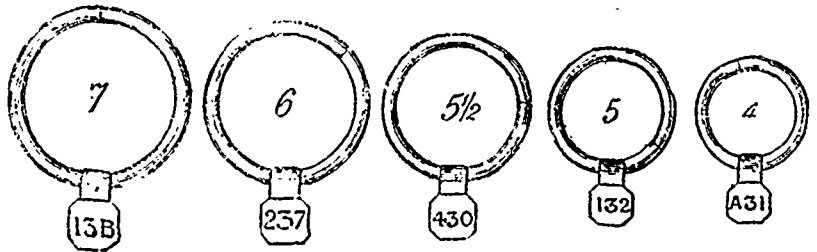
Nos. A and I, 50c. per dozen.

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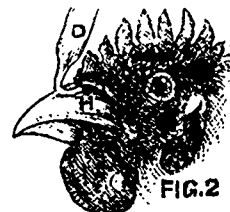
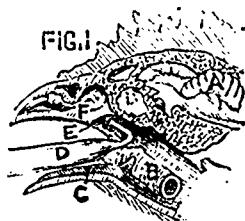
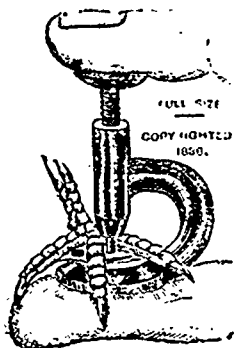
INSTRUCTIONS—To fasten the marker on the bird's leg, push it to one side and close it in the same manner. Do not open the ring by pulling it straight out.

SPECIAL NUMBERS OR LETTERS TO ORDER.

PRICE PER DOZEN, ANY SIZE, 40 cents.

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Small size for Chicks, and Bantams, Large size for Large Fowl.
30c. each, 60c. pair, free by Mail.



ROUP OR POULTRY SYRINGE, 15c. each : free by mail.

H. B. DONOVAN, 124 Victoria Street, Toronto.

MONTREAL POULTRY ASSOCIATION.

REPORT OF THE ANNUAL MEETING AND LIST OF AWARDS AT THE LATE SHOW.

THE annual meeting of the Montreal Poultry Association was held on the 9th March, 1899, the President, A. F. Dawes, in the chair, when the following were elected officers for the current year:

A. F. Dawes, President; S. R. Clendinneng, 1st Vice-President; G. Gravel, 2nd Vice-President; G. C. Philpot, 3rd Vice-President. Jas. P. Cullen, Secretary-Treasurer, 214 St. James street, Montreal. Executive Committee: A. McD Drummond, H. Dunn, A. M. Radley, R. C. Binning, Jas. Ainslie, E. L. Gnaedinger, Fred. Robinson, Wm. Gallaguer, E. H. Merrill and J. C. Smart. Auditors: S. R. Clendinneng and E. L. Gnaedinger.

It was decided to hold the next show from the 17th to the 22nd January, 1900, both days inclusive. Mr. Sharp Butterfield has been engaged as judge.

These dates will thus avoid any clashing with those of the Eastern Ontario and will enable exhibitors to take their stock from the Montreal show direct to Ottawa on the morning trains on the 23rd January, 1900, and reach Ottawa in time for the show there.

This too was the only available date for Mr. Butterfield, but the Association is anxious to make a trial of keeping the show open on Saturday night till eleven o'clock, which will be done next year.

This year the show was held for the first time in the East end of the city, with the result that nearly four times the number of paid admissions were received above last year.

One pleasing feature was the great interest taken in the poultry industry and in the show by the French Canadians, to whom credit is due for the large attendance and the most purchases.

On the whole the Association has had a very successful year and is determined that the next show will be still more attractive as well as successful.

Although being obliged to buy \$150 worth of new coops this year, yet the Association comes out with a small surplus to its credit.

LIST OF AWARDS.

Brahmas Light cock 1 Thos. Hall, 2 W. Nantel, hen 1, 2 and 3 Hall, cockerel 1 and 2 Nantel, 3 Hall, pullet 1, 2 and 3 Hall,

pen 1 Hall, 2 Nantel, 3 John Kyle. Dark cock 1 and 2 Nantel, 3 Hy. Bourdon, hen 1 and 3 Nantel, cockerel 1 Nantel, pullet 1 Nantel.

Cochins- Buff cock 3 Desautels & Co., hen 2 Desautels & Co. 3 Nantel, cockerel 3 Nantel, pullet 1 H. Bourdon, 2 and 3 Nantel. Partridge cock 1 Prevost & Jouvot, hen 2 and 3 Nantel, cockerel 1, 2 and 3 Nantel, pullet 1, 2 and 3 Nantel, pen 1 Nantel, 3 Desautels. Black cock 2 Nantel, hen 1 Nantel, cockerel 1 Nantel, pullet 1 and 2 Nantel. White hen 2 Desautels, cockerel 1 and 2 Nantel, pullet 1 and 2 Nantel.

Langshans Black cock 1 F. Nonette, 3 Desautels, hen 1 Desautels, pullet 2 Nonette. White hen 2 and 3 Desautels.

Barred Rocks Cock 3 Jas. Ainslie, hen 2 Ainslie, 3 A. E. & C. F. Stockwell, cockerel 2 R. A. Alpaugh, 3 F. Stockwell, pullet 1 Alpaugh 2 Stockwell, 3 A. Moreau, pen 1 Alpaugh, 2 Stockwell, 3 Ainslie. White cock 1 Alf. Robinson, 2 L. Beaudin, 3 A. Thompson, hen 1 and 2 Robinson, 3 McD. Drummond, cockerel 1 Drummond, 2 Thompson, 3 E. L. Gnaedinger, pullet 1 and 2 Drummond, 3 Thompson, pen 1 Drummond, 2 Thompson, 3 Beaudin.

Wyandottes White cock 1 Drummond, 2 and 3 A. Charbonneau, hen, 1 Drummond, 2 Nonette, 3 J. P. Cullen, cockerel 1, 2 and 3 Drummond, pullet 1 and 2 Drummond, 3 A. F. Dawes, pen 1 Drummond, 2 Dawes, 3 Charbonneau. Golden hen, 2 and 3 F. Shackell, cockerel, 1 and 2 Cullen, 3 Shackell, pullet 1, 2 and 3 Cullen, pen 1 Cullen, 3 Shackell, silver cockerel 1, 2 and 3 W. H. Ulley, pullet 1 Wm. Modler, 2 and 3 Ulley, pen 1 Ulley.

Spanish- Black hen. 1 Wm. Monteith, cockerel 1 Monteith, pullet 1 and 2 Monteith.

Minorcas-Black cock 3 E. C. Parker, hen 2 Parker, 3 Prevost & Jouvot, cockerel 1 Prevost & Jouvot 2 T. J. Virtue, 3 Parker, pullet 1 and 2 Wm. Cox, 3 Virtue, pen 1 Virtue, 2 Prevost & Jouvot, 3 Cullen. White hen 2 Monette, 3 Sheller, cockerel 1 and 2 Wilson, 3 Monette, pullet 1 Wilson, 2 and 3 Cullen. Rose Comb Black cockerel 1 Wm. Monteith, pullet 1 and 2 Cullen.

Lagorns S. C. W.-Cock 3 Bevington, hen 1 Bevington, pullet 1, 2 and 3 Cullen. S. C. B. hen 1 and 2 Bevington, 3 C. Smith, cockerel 1, 2 and 3 Thompson, pullet 1 Bevington, 2 and 3 T. Dawes. Buff cockerel 2 Cullen, 3 Thompson, pullets 1, 2 and 2 Cullen. Rose C. W. cockerel 1 Cullen, pullet 1, 2 and 3 Cullen. R. C. Brown hen 1 Dawes, cockerel 2 and 3 Cullen, pullet 1 Cullen.

Hamburgs-G. S. Cock 1 Desautels, hen 1 Desautels. Black cock 1 Desautels, pullet 1 Desautels. Silver cock 3 Desautels, cockerel 1 Rush, E. H. Merrill, 3 Kyle, pullet 1, 2 and 3 Merrill.

Polish-W. C. B. Hen 1 Prevost & Jouvot, 2 Desautels & Co. Golden cock 3 Desautels, hen 3 Desautels, cockerel 1 and 3 Nantel, pullet 1 and 2 Nantel. Buff Laced hen 2 Desautels. Silver cock 3 Desautels, hen 2 and 3 Desautels.

Game-Black Redcock 1 A. Levallee, 2 J. Clavel, cockerel 1 Levallee, 2 Clavel, pullet 1 Smart, 2 Clavel, pen 1 M. Barsalon. Golden Duckwing pullet 2 Cox. White Indian cock 1 Desautels, 2 Thompson, hen 1 Thompson. Any other variety cock 1 W. H. Laing, 2 Clavel, hen 1 Laing, 2 Clavel, 3 Laing, cockerel 1, 2 and 3 Laing.

Sumatras-Cockerel 1 Merrill, pullet 1 Merrill.

Bantams-Black Red Game hen 1 Wm. Cox, cockerel 1 and 2 Cox, pullet 1 Cox. Golden Sebright cock 1 Desautels, 2 Cox, hen 1 Desautels, 2 Bevington, 3 Cox, cockerel 1 Bevington, pullet 1 and 2 Bevington, 3 Cox. Silver Sebright hen 2 and 3 Bevington, pullet 2 and 3 Bevington. Rose Comb Black cock 1 E. Murphy, 2 and 3 Cox, hen 1 and 2 Murphy, 3 Cox, cockerel 1 Cox, 2 Murphy, 3 Nantel, pullet 1 Nantel, 2 Murphy, 3 Cox, pen 1 Murphy, 2 Cox. Any other variety. Cock 2 Wayne, hen 1 and 2 Wayne. Red Pyle cock 1 and 2 Cox, hen 1, 2 and 3 Cox, cockerel 1 2 and 3 Cox, pullet 1 2 and 3 Cox, pen 1 Cox.

Turkeys Bronze cock 1 Drummond, 2 Burrows, 3 Thompson, hen 1 and 2 Thompson, cockerel 1 Thompson, 2 McMaster Bros., 3 Thompson, pullet 1 McMaster Bros., 2 Thompson. White Holland cock 1 Thompson, hen 1 Thompson, cockerel 1 Thompson. Any other variety. Cock 1 Thompson.

Geese-Toulouse gander, old 1 Thompson, 2 McMaster, 3 Beaudin, goose, old 1 Thompson, 2 McMaster, 3 Beaudin, gander, young 1 McMaster, 2 and 3 Thompson, goose, young 1 McMaster, 2 and 3 Thompson. Embden geese, gander, old 1 Thompson, goose, old 1 Thompson, gander, young 1 and 2 Thompson, goose, young 1 Thompson. China gander, old

1 Thompson, goose, old 1 Thompson, gander, young 1 Thompson, goose, young 1 Thompson. Any other variety. Gander, old 1 Thompson, goose, old 1 and 2 Thompson, gander, young 1 Thompson, goose, young 1 Thompson.

Ducks Rouen drake, old 1 Ainslie, duck, old 1 Ainslie, drake, young 1 Ainslie, 2 Thompson, duck, young 1 Ainslie, 2 Thompson. Pekin drake, old 1 and 2 Thompson, duck, old 1 and 2 Thompson, drake, young 1 and 2 Thompson, duck, young 1 and 2 Thompson. Aylesbury drake, old 1 Thompson, duck, old 1 Thompson, drake, young 1 Thompson, duck, young 1 Thompson. Cayuga drake, old 1 and 2 Thompson, duck, old 1 and 2 Thompson, drake, young 1 and 2 Thompson, duck, young 1 and 2 Thompson. White Crested drake, old 1 and 2 Thompson, duck, old 1 and 2 Thompson, drake, young 1 and 2 Thompson, duck, young 1 and 2 Thompson.

Dressed Poultry Geese 1 and 2 Thompson, fowls, 1 Ainslie, guinea fowls, cock 1 Thompson.

SPECIAL PRIZES.

Mr. E. F. Murphy, of Ottawa, won the Smith Bantam Cup for the highest scoring breeding pen of Bantams three times in succession. The cup now becomes his absolute property. The Stratheona Cup was also won by Mr. Murphy.

Mr. McD. Drummond, of Petric Cote, was also a successful competitor, having been awarded the Association's Cup for the best collection of Wyandottes. Mr. Drummond has won the cup three times in succession and it now becomes his property.

In the Plymouth Rocks class there was keen competition, there being 7 entries, but the judges decided that Mr Drummond had the highest scoring male, with the result that he was awarded the Association's silver Cup.

The Asiatic Cup, donated by the President, was won by Mr. W. B. Nantel.

The Association's prizes for the best exhibits of Turkeys, Ducks and Geese were won by Mr. A. Thompson.

Mayor Préfontaine's and Ex Mayor Wilson Smith's prizes were won by S. J. P. Cullen.

PETERBOROUGH CENTRAL POULTRY AND PET STOCK ASSOCIATION.

SECRETARY'S REPORT.

THE annual meeting of the above Association was held on the evening of March 1st in the Town Council chamber. There was a good attendance of members and considerable interest was shown.

Mr. W. C. Rightmyer, 1st Vice-President, occupied the chair. The minutes of last annual meeting were read and confirmed. The Secretary read the annual financial and Auditors' reports which, on motion, were received and adopted.

On motion, a hearty vote of thanks was tendered to the Secretary for his valuable services in connection with securing the Ontario show for 1900. The following officers were then elected:

Hon. President, A. L. Davis (Mayor); President, R. H. Leary, 1st Vice President, J. E. Cullen, 2nd Vice-President, John Robson, Secretary Treasurer,

Wm. Collins (all by acclamation). Directors (by ballott), Messrs. T. H. Goldey, F. G. Lund, Wm. Head, Jas. Baptie, H. Nesbitt, E. H. White, John A. Davidson, H. T. Lush and W. C. Rightmyer. Auditors, John Jayes and A. Terrill.

The newly elected Board of Directors expressed their intention to put forward their very best efforts in order to make good the promises made on their behalf by those who represented them at the Ontario annual meeting in Toronto this year when asking for the 1900 show, and thereby prove their appreciation of the honor done to them and the town by the members of the Ontario Association in selecting Peterboro for the place of holding the next winter show, and we sincerely hope to be able to satisfy both officers and members of our willingness and ability to carry out our part of the programme in all the various details of the work that will be expected from us in order that the former successes of the Ontario may be maintained.

WINTER EGG PRODUCTION.

BY E. PARKER, COMPTON, QUE.

IN nearly every article that you pick up on this subject you will see something like this, "Keep your hens in as warm a place as possible and feed wheat, clover and bone meal." Now this is all very well but it is not nearly as important as fresh air, cleanliness and exercise.

It is not cold fresh air that gives fowls roup but dampness, filth and draughts. For a hen house you want something large and roomy. The ceiling should be at least seven or eight feet from the floor. It should be made tight so as to prevent draughts and should have a small place boarded off in one corner about four feet from the floor for the hens to roost in. Have a small door in this and as soon as they have gone to roost shut it and they will be comfortable for the night. It does not matter if it freezes hard in their house so long as their sleeping place is a little warmer and even a few degrees of frost wont hurt here. The droppings should be cleaned out every morning. Have about eight inches of chaff on the floor of the hen house and have a scratching shed open on the south side and let your hens out every day so that they will get plenty of fresh air and exercise.

In just such a hen house as this I have had hens laying all fall and are laying well now, black Minorcas

and white Wyandottes, whereas, in a much warmer place where there has not been more than two or three degrees of frost I have not had an egg from a fine lot of April hatched Minorca pullets.

One of my Minorca hens which I showed at Sherbrooke and which did not start to moult until November, dropped her first egg on New Years day in a hen house in which the thermometer registered $^{\circ}10$ below zero and her comb, which is very large, has not been touched by the frost. The cock bird's comb, which stands erect, will freeze much more readily than the lop-over comb of the hen but to prevent frosted combs breed rosecomb fowls and they will stand a great deal of cold and lay well. I think this proves beyond a doubt that warm hen houses are unnecessary. Another reason why I do not like warm hen houses is because the hens will not take exercise enough in the scratching pen but will huddle together where it is warm.

I feed a hot mash in the morning composed of boiled vegetables, corn meal, middlings and bran, raw vegetables at about eleven o'clock and cracked corn, wheat and buckwheat at about half-past two scattered amongst the litter in the scratching shed. I give them ground bone twice a week in place of the morning mash.

It is also a good plan to throw a handful or two of grain in the scratching shed about one hour after their breakfast to keep them busy. See also that there is a dust bath in every pen and coal oil the roosts once a month and keep the house whitewashed. Keep everything clean and wash the drinking vessels out often, especially if you put skim milk in them. Do not have too many windows as they collect moisture which freezes on them and makes the house damp when it thaws out.

CORRECTIONS.

EDITOR REVIEW,—In your report of Peterborough Poultry Show you gave Mr. Pearen credit of winning the prize of best breeding pen in show. That was wrong, I won that prize with a pen of C. I. Games. Kindly correct in April REVIEW, and oblige

Yours truly,
J. H. PARSONS.

Osaca.

Would you mind to put in April REVIEW that it was not Phillips Bros. & Kemp, as stated in Hamilton report, but Phipps Bros. & Kemp.

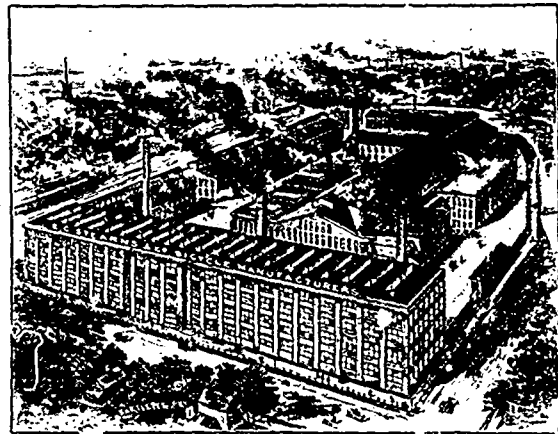
ROBERT PHIPPS.

Grimsby, March 14th, '99.

"THE DOCTORS" AGREE.

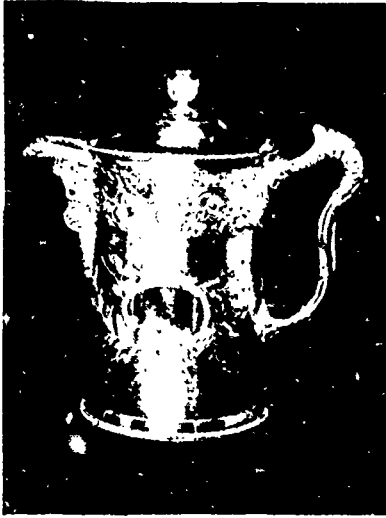
THERE is probably no other subject on which all poultrymen so nearly agree as to the value of the green cut bone for fowls. The results noted by practical poultry keepers are in full accord with scientific makers of balanced rations. The theory of it all is that if you feed a hen the material of which eggs are made, she will produce eggs in abundant quantities. Looks reasonable, too, doesn't it?

The problem of producing a cutter to properly prepare the bone seems to have been solved in the Webster & Hannum bone-cutter, now manufactured by E. C. Stearns & Co., of Syracuse, N.Y., whose reputation as manufacturers of hardware and the famous Stearns bicycle is world-wide. The illustration herewith shows their immense factory and offices. The name of this house upon any machine is sufficient guarantee of its superior excellence.



There are several machines for the purpose of preparing bone for fowls but the W. & H. has several valuable features found in no other. They are practically indestructible, cut meat and gristle, as well as bone, cannot clog, and are self feeding and regulating, thus when turning the machine with one hand the other hand is perfectly free. It is worthy of note that this was the only bone-cutter receiving an award at the World's Fair, Chicago.

Our readers will do well to send for the booklets published by this house—they will interest any poultryman whether he wants a bone-cutter or not, or even though he may have one already. Address as above



THE ELMIRA TROPHY, Value \$25.

January, 1892.

Won by Bicknell & Whiting, for best display of Black Minorcas.

THE BLACK LANGSHAN.

DON'T BE DISCOURAGED IF YOU DON'T "GET THERE"
AT FIRST.

AS I noticed that you intend having a colored plate of a black Langshan cock in your April number, a few brief remarks on this grand old breed may not be out of place.

It is needless to waste time discussing the origin of Langshans as there can be no doubt but that they originally came from China, as breeders have, within the last ten years, imported them direct from that country, and wrought figures of these birds have been seen on the historic Chinese wall.

Langshans are a breed suitable for the fancier, the farmer and those who are looking for a general purpose fowl. Every year they are becoming more popular and winning more admirers. They are one of the hardiest fowls in existence to-day, easy to raise, and, when matured, are not subject to disease (the writer

has only had two sick birds—in both cases a slight cold of one day's duration). They are layers of large brown eggs and as winter layers have few equals, and they generally lay up to the time of moulting. As a table fowl they are second to none, as their flesh is tender and juicy, and there is, comparatively speaking, very little offal and bone. In the dressed poultry class at the great Ontario show this year, first prize was carried off by a pair of Langshans, and they were most favorably commented upon by all who saw them.

They are one of the best breeds a fancier or small breeder can handle, as a four foot fence will keep them within bounds. They are very docile, standing confinement well, and do not, like most of the larger breeds, take on fat if lots of green food is fed, and, what is more, in breeding them "like begets like."

The Langshan as at present bred is one of the most stylish birds we have. Their lustrous green plumage, their perfect symmetry and stylish and graceful bearing, together with their large size, gives them an extremely attractive appearance, which places them in the front rank as a stylish and useful fowl. Their combs, being small, are hardly ever affected by frost and this, combined with their hardy constitution, adapts them particularly well to our changing climate and it is not to be wondered that they are so popular.

New breeds are being introduced yearly and other breeds have been boomed and boomed, yet the "lordly Langshan," by its many good qualities, is more than holding its own, and each year is being more extensively bred and exhibited.

In breeding Langshans it is advisable to breed only from birds fully up to standard weight and of good shape and color, a bird of poor color seldom wins a prize. Avoid, as far as possible, breeding from birds showing purple bars to any very great extent, although it is very hard to find specimens that do not show a few of these bars. Keep away from the coarse, "Cochiney" type. The skin of a Langshan should be flesh color and the bottom of the feet tinged with pink. Yellow skin or feet denoting Cochin blood is a disqualification. When breeding Langshans, as with nearly all other varieties, one must not be discouraged if he or she does not get to the top of the tree the first season or two, as it takes time, skill and perseverance to "get there."

Toronto.

E. J. DEWEY.

POULTRY AILMENTS.

We invite questions and correspondence for this department.

THE GAPE DISEASE.

FROM U. S. RECORDS.

THE GAPE DISEASE IN POULTRY, H. GARMAN (KENTUCKY STA. BUL. 70, pp. 107-112, pls. 2).—The author discusses this disease of poultry, which is caused by the presence of the gapeworm (*Syngamus trachealis*) in the trachea or windpipe, and the remedies commonly employed.

An experiment was made to learn the cause of the disease. Twenty chickens were divided into 2 equal lots immediately after hatching. They were placed in pens separated by wire netting. In one case the pen had a raised floor and in the other case the chickens ran upon the ground. The two lots were fed corn

meal mixed with water and scraps of bread, potato and meat from the table, with a few oats in addition. The chickens running on the ground were also fed earthworms. At the beginning of the test 3 of the chickens running on the plank floor managed to get through the wire netting into the other pen and were allowed to remain there. One of the chickens in the pen without a floor died from an unknown cause at the beginning of the test. About two weeks after the trial began one of the chickens in the lot running on the ground was badly affected with gapes and several others were slightly affected. Sooner or later all the chickens in this lot were affected with gapes and either died or were destroyed, while in the other lot there were no cases. The author concludes that the chickens acquired the gapeworms either from the ground or from the earthworms fed to them.

EARTHWORMS A SOURCE OF GAPES IN POULTRY, H. GARMAN (KENTUCKY STA. BUL. 74, pp. 71-73).—In continuation of the above work a test was made with 6 chickens divided into two equal lots. They were kept in wooden cages with wire gauze sides. One lot

ROUP CURE GUARANTEED ROUP

CONKEY'S ROUP CURE is the only remedy that will cure roup in all its forms as long as the fowls can see to drink. For canker, especially in pigeons, this cure excels all others. It is simply put in drinking water and the fowl takes its own medicine. The lives of two chickens is enough to pay for one tube which will cure a hundred or more. Directions in every package. If this fails to cure we refund the money. Sent postpaid. Small size 50 cents, large size \$1.00.

Petaluma Incubator Co., Petaluma, California,
Pacific Coast Agents. **G. E. CONKEY & CO., Cleveland, Ohio.**

C. J. DANIELS, 221 River St., Toronto, Ont., CANADIAN AGENT.

Please mention this paper. Do not send stamps.

received earthworms and the other cooked meat in addition to the regular ration. The earthworms were thoroughly washed to prevent the adherence of soil or gapeworms. The chickens fed earthworms became affected with gapes. One of the chickens in the lot fed meat died from bowel trouble but examination failed to reveal any gapeworms. The two remaining chickens in this lot were alive at the time the test was

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, Roup diseases, Bad Moulting, Bad Fledging, Weak Young Pigeons, Chickens, Turkeys 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, etc. 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.

Road 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. Sent me another packet.—B. J. YORK.

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 FISCH.

WARDSVILLE, ONT., Jan., 1897.

I had one hen nearly blind, I gave

her three Pills.

SEAFORTH, ONT., Oct. 6th, 1886.

A good article always will recommend itself.—JOHN FISCH.

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

reported and had not shown any symptoms of the gapes.

The conclusion is reached that earthworms convey the gape disease to poultry, and the common practice of feeding them to young chickens is condemned.

CHOLERA

IS more prevalent in warm than in cold climates. It is a bacterial disease and is highly contagious for the simple reason that the bacteria germs are ejected with the excrement and the healthiest and most robust succumb to its ravages alike with those that are more delicate. Investigation by the government officials show that the first symptoms of chicken cholera is, in the great majority of cases, a yellow coloration of that part of the excrement which is excreted by the kidneys and which is normally of a pure white. This yellow coloring matter appears while the excrement is yet solid, while the patient presents a perfectly normal appearance and the appetite is good before there is any elevation of the temperature. In some cases the first symptom is a diarrhoea, the excrement being passed freely, and after a day or two it becomes a dark green in color. The comb is pale and bloodless and sometimes of a dark purple or blue.

The duration of the disease varies greatly: sometimes the bird dies within ten hours of the first attack of the disease, and again they will sometimes linger for several days.

There are numerous remedies for the cure of chicken cholera. In the first place isolation is necessary: give them a warm, dry and comfortable house. Disinfect the premises thoroughly with a solution of eight ounces of sulphuric acid to two gallons of water, sprinkle the ground and everything in the house thoroughly with the disinfectant; remove all the droppings from the house and away from the healthy fowls. To each gallon of drinking water add a teaspoonful of carbolic acid. This is also a good disinfectant and will act as a preventative. The following receipt is one that will be found efficacious in the cure of the disease.

Isolate those affected, and give each a pellet about the size of a grain of corn or a pea, three times a day, made from the following powder. (Use a little flour and water to make the pellets.)

Lice and Mites



Mites and Lice on your poultry?

Paint roosts with Lee's Lice Killer. All done. Next morning look, and see all mites and lice lying dead on roost boards. Many customers report finding them in piles a half inch deep where each fowl roosted the night before. Seeing is believing.

Same with hogs. Paint rubbing posts or sprinkle floor of sleeping pen. All done. No more lice, mites or fleas. No handling, no labor. Cheap. Only \$1.25 for a gallon can. Want some?

Lee's Lice Killer makes poultry raising easy and profitable. Lice and mites are at the bottom of most of the poultryman's troubles at all seasons of the year. Young chicks will have no lice if the old fowls are free from vermin.

Don't judge the genuine by the imitation. If there were no genuine there would be no imitations. Adopt new methods. Hours spent in dusting and greasing the poultry can be more profitably utilized elsewhere.

TESTIMONIALS.

Dunbarton, Ont., March 11th, 1899.

C. J. Daniels, Esq., Toronto.

Dear Sir, - I beg to acknowledge the receipt of two gallons Lee's Lice Killer, recently ordered from you. As a liquid lice destroyer I consider it superior to all others ever tried by me, and I have used it in California, where they claim that lice never sleep, but I could paint my roosts in the afternoon and could almost give a written guarantee that my fowl would rest well for many nights to come. If properly applied (a very simple matter) it will do the business.

Very truly yours, WILL SECKER.

536 Ontario St., Toronto.

C. J. Daniels.

Dear Sir, - I have tested Lee's Liquid Lice Killer at different times and in different ways and found it as a disinfectant most excellent.

If Lee's is used according to directions it will keep fowls and houses free from lice and mites. The use of Lee's makes poultry keeping much easier. I can therefore most heartily recommend it to all breeders and keepers of fowls. It is a dead shot on all insect life.

A. W. BELL, M.D.

PRICE OF LEE'S LICE KILLER.

FOR POULTRY AND STOCK.

1 quart can	\$.35
2 " "	.65
4 " "	1.25
5 gallon "	5.00

SOLE GENERAL AGENT FOR ONTARIO, ADDRESS

C. J. Daniels 221 River St. Toronto

AGENTS WANTED EVERYWHERE.

WEST'S FLUID,

The Powerful Disinfectant and Lice Destroyer

A Sure Cure and Preventative

of Chicken Cholera, etc.

NON-POISONOUS.

\$1.50 per Imp. Gallon. 1 gallon reduced makes 50 to 100 gallons.

Manufacturers **The West Chemical Co.,**

Agents Wanted. 15 Queen St. East, TORONTO.

2 oz. Capsicum, 1 oz. pulverized Rhubarb,
2 oz. pulverized Asafoetida, 6 oz. Spanish Brown,
4 oz. Carbonate of Iron, 2 oz. Sulphur.

As a preventative, add a tablespoonful of the above powder to the soft food for every 10 or 12 fowls, twice a week.

CROP BOUND.

THIS is a disease which exists among fowls and it is probably the commonest of all crop diseases.

It is caused by them eating more than they can digest. It is easily detected as a fowl with a full crop, if in a good healthy condition, will carry it up firmly. But when crop bound the crop will be loose and hang down like a bag, which may only be a ball of hard, coarse food that resists the force of nature in digesting. If not left too long it can be removed by pouring some warm sweet milk down the patient's throat into the crop. Then work the hard substance until it becomes soft, which in some instances may take an hour. Repeat this daily until a cure is effected. Feed only bread sopped in milk until the patient has entirely recovered. If the case is one of long standing it will probably require the use of a knife. Make an incision lengthwise near the top of the crop and remove the contents through the incision. However the contents are sometimes so hard that they will have to be broken up before they can be removed. After the sour food has all been taken out, then take a needle and some silk thread and sew the orifice shut—first the crop, then the skin. The patient should then be fed on bread dipped in milk or some soft food that may be readily digested. Continue this food for five or six days after the operation has been performed. No water should be given as long as the feeding of the soft food is continued.

SCALY LEGS

IS usually caused by the chicks or fowls sleeping in filthy quarters. It is also caused by a small parasite which works underneath the scale of the leg. I have seen fowls with scaly legs that were twice their natural size. If the legs of each fowl were anointed once each month with equal parts of sweet oil, kerosene oil and alcohol, they would never become scaly, but would remain in a fine healthy condition. A good remedy is lard and kerosene oil, equal parts; add enough pulverized sulphur to make a paste, then apply this to the legs and bandage them, leaving the bandage on for a week. If at this time the scales are not all healed off, repeat the application of the same ointment, as it is a sure cure. The bandage must be sewed on so that it cannot be scratched off by the patient.—“Shoemaker's Catalogue.”

THE TORONTO POULTRY, PIGEON AND PET STOCK ASSOCIATION.

THE regular monthly meeting of the above association, with Mr. Bonnick, the President, in the chair. The minutes of the previous meeting were accepted as read.

The Secretary stated that \$247 due bills had been paid, also all accounts against the Association. Mr. I. B. Johnston was proposed for membership and accepted.

Delegates to the Industrial were instructed to suggest the following changes at the Industrial meeting:

That in a class of twenty entries the prize money to be 1st \$4.00, 2nd \$3.00, 3rd \$2.00 and 4th \$1.00. That fifty cents in all classes deducted last year be added. That coops be whitewashed and cleaned thoroughly. That breeding pens be cooped in immediate vicinity of single classes. That the Experimental Farm be not allowed to exhibit outside of the regular classes.

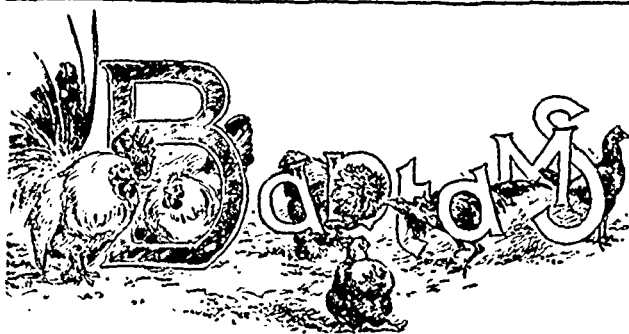
In the question of score card vs. comparison judging, after a heated discussion, it was finally moved and seconded that this Association endorse the system of score card judging.

The winners of the evening were as follows:—Black red Game Bants, all to J. E. Bennett, he showing two pairs. In black Minorcas Mr. Carter won 1st on cockerel, Mr. Ramsay 2nd cock and 1st pullet. In black Langshans Mr. Dewey took all tickets.

R. DURSTON, Secretary.



Black Langshan Cock.



BANTLINGS.

APRIL, May and June are the Bantam months, the two latter months especially.

Don't try to get them out too early and don't feed them too freely when you do get them.

There is getting to be quite a large demand for Cochin and Japanese Bantams for the purpose of raising Pheasants, for which use they are so well adapted. The culls are good enough for this, so don't kill them off too quickly next season.

If you don't believe corn will tinge plumage yellow feed it to white Cochin or Japanese Bantams at moulting time and be convinced that it will. We refer to the yellow varieties of corn, of course.

We use movable houses for trios of Bantams in summer. The size is six feet long by three feet wide and two feet high in front. They are roofed all over and tight boarded, except in front, which consists of a three feet frame covered with wire netting and a close door two feet wide. A panel one foot wide divides the two doors. A perch is placed between the back and panel and a small nest box in the corner and a pot for water. They do remarkably well in these and we get very fertile eggs. The disadvantage is that it is rather late in some seasons before it is warm enough to put the birds out. They are easily moved from place to place.

The Bantam coops at the "Industrial" need raising and renovating. The committee, which meets this month, should take Mr. Butterfield's suggestions into their serious consideration. The Bantams make a show in themselves, and an attractive one, and should not be overlooked.

Breeding from pairs or trios and keeping track of each chicken hatched is the way to build up a strain. Don't fear in-breeding, breed back to the parent whose best points you desire to fix in the progeny.

HOW TO BREED BLACK-RED PULLETS.

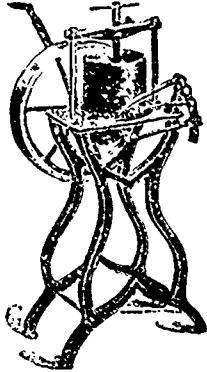
BY P. PROUD.

HAVING mated up the cockerel breeding pen of black-reds, I will now give attention to the pullet pen. In the first place, the hens or pullets must be sound in color, free from rust or coarse penciling; this is of the greatest importance in pullet breeding. It is only a waste of time trying to produce exhibition pullets from hens which are faulty in color; it is utterly impossible to do so. Besides being sound in color, the hens must be of good shape, not too small, and the shorter in back the better. The male bird should be from a pullet-breeding strain, and in color should be darker than the cockerel breeder. I always prefer a bird of a brickish top color, and one uniform shade from his hackle to tail. His wing bar and shoulder points should be perfectly free from lacing and as black as possible. This refers to cocks as well as cockerels, although the adult birds will in all probability be laced on breast, and I have often found that such birds from a pullet-breeding strain are invariably weak in their bays or wing ends—that is, the bay of the wing end does not continue to the end of the feather; this is always a good sign when selecting a cock for pullet breeding. In many cases the shaft of the sickle feather in such birds will be red instead of black. If you prefer to breed from an old bird, don't mate him to more than three pullets, especially at this time of year (February), or a large percentage of unfertile eggs will be the result. When breeding from a cockerel hens should be used, and if he is a healthy, vigorous bird you may safely put five or six with him with good results.

In mating up the black-reds I have taken it for granted that the young fancier has plenty of accommodation, but there are scores who have only a very limited space at their disposal, and in such cases one pen will be sufficient. Where this is so I should take a cock that answered as far as possible to my ideal of a pullet breeder, except I should prefer him to be a light shade in top color, the paler the better, and with him I should mate two cockerel-breeding pullets and two sound colored pullets for pullet breeding. From this pen I should expect to get both exhibition pullets and cockerels, though not the same percentage of

Green Bone Cutters.

THE Webster & Hannum Green Bone Cutter, formerly made at Cazenovia, N. Y., is now being manufactured and sold by the undersigned. This Bone Cutter has always been a favorite with poultrymen on account of its many advantages over all other machines. With our unsurpassed facilities for manufacturing, it will be better than ever.



The new cutter-head is practically *indestructible, absolutely self-feeding and self-regulating* as to the supply of bone fed to the knives. It will cut meat and gristle equally as well as bone. Made in sizes suitable for hand or power use. Read what F. E. Dawley, Director, Bureau of Farmers' Institutes, New York State, says of it:

"I would urge every one who keeps fowls to feed green bone if they are after profit, and from experience would say, get a Webster & Hannum Cutter to do the work with. I am not at all interested in the sale of the W. & H. Cutter, and have paid full price for the one I use, so have no axe to grind."
F. E. DAWLEY.

Mr. Dawley raises poultry "by the acre." The only Bone Cutter receiving award at World's Fair, Chicago. *Send for our free booklet, whether you keep poultry for pleasure or profit.*

E. C. Stearns & Co., Box 16, Syracuse, N. Y.

Fisher's Island Farm

EGGS FOR HATCHING:

Barred and White Plymouth Rocks,
Cornish and White Indian Games, Pekin Ducks

Our birds have been winners the past season at Pittsburg, Toronto, and New York. Send for Illustrated Catalogue.

E. M. & W. FERGUSON, Fisher's Island, New York. Via New London
See February REVIEW for wins at Toronto. 599

HANDLE WITH CARE
EGGS FOR
HATCHING.

25 Labels like this, on Red Express Paper, for 10c.

H. B. DONOVAN, Toronto.

ORCHARD PARK
POULTRY
FARM



Black Minorcas
"Carant" Strain
Bicknell Strain

choicest Black Javas and B. P. Rocks, 20 years' experience in the former and 30 in the latter. Breeders and winners for sale.

Eggs from either or some from each, \$3 for 13, \$5 for 25. PACKED TO HATCH

Address J. Y. BICKNELL, 314 Vermont St., Buffalo, N. Y.,
Poultry Farm at Darien, N. Y. or C. S. WHITING, Darien, N. Y.
Name the REVIEW. My Score Cards and Rubber Bands will be furnished by the Editor of the REVIEW and duty saved.
J. Y. BICKNELL.

Publisher's Notes.

(CONTINUED FROM PAGE 169).

Will. Secker says incubator eggs \$5 per 100. He offers eggs from white Dots at \$1.25 per 15 or 27 for \$2. Also light Brahma eggs at \$2.50 per 15. See ad. on back cover page.

Osborn Stoddard Co., Madison, N. J., are specialists in flowering bulbs, roses, etc. Send for catalogue. Agents wanted.

R. Durston says "no more Minorcas for sale," but eggs from two grand pens. See his change of ad.

"Riggs' eggs hatch" barred Rocks lay them. See ad.

Buff Rocks as layers. See Jas. A. Livingstone's new ad.

J. E. Gray offers buff and white Rock eggs at \$2.00 and has an incubator and brooder to dispose of.

J. C. Lyons, who has been breeding poultry for years and whose stock "won 300 prizes the past season," offers eggs from several varieties. Write for further information.

The second prize 1898 "Ontario" Houdan cock heads H. E. Beckworth's pen. He is the sire of the medal cock-erel at last Industrial and also 1st, 2nd and 3rd pullets at London a year ago.

W. A. Wilson offers eggs from black Minorcas, white Leghorns, R. C. black Orpingtons, golden Sebright Bantams and Pekin ducks, all at \$2.00 per setting.

White Wyandottes only, so says P. Wellington in his yearly for sale ad. He offers eggs at \$1.00 per 13.

W. J. Player is a Leghorn specialist and breeds both brown and white. He gives a long list of wins in his breeders card and offers eggs at low rates.

R. F. Holterman offers P. Rock eggs, barred and buff. See his ad. on third cover page.

Geo. H. Burgott says "eggs for hatching \$2.00 per 13." Brown Leghorns.

Mrs. J. H. Shale's buff Wyandottes can win, also whites, see list of awards in new ad. Eggs for sale at \$3.00 and \$2.00 per 15, also from black Minorcas.

J. W. Porteous offers eggs from barred Rocks, his one breed.

S. M. Clemo gives some really good testimonials in his large new ad. in this issue. He breeds black Minorcas and sells eggs at \$3.00 for 15 or \$5.00 for 30. "Black Giant" strain.

J. S. Carter gives a list of his wins on black Minorcas and a testimonial as to the value of his stock from a U. S. breeder. He offers eggs at \$3.00 per 13.

Shoemaker's ad. was in error omitted from last issue. Look it up in this month's REVIEW.

winner as from separate pens; still, it can be done, although it has been repeatedly stated that to produce exhibition specimens of any variety of poultry two pens should be used. This statement is all right to those who know no better, but from personal experience I know that it is quite possible to breed winners of both sexes from one pen of stock birds when properly mated to give this result.

Still, where the young fancier has plenty of room at his disposal it is advisable to use two pens, and where it is necessary to build up a strain of your own, separate pens in such cases must be used. Let me state here that when breeding from only one pen never by any means use wheatears; these may only be used exclusively in the cockerel pens.—“Feathered World.”

THAT BUFF ROCK CHANGE.

THE following has been handed us for publication:

CHAS. BONNICK, ESQ., Eglinton, Ont.

Dear Sir,—I owe you an apology for not writing the REVIEW, as promised, in time for March issue.

I heartily sympathize with you in the treatment you received in relation to the alterations of the judge's awards on the buff Rock cockerels, which in my opinion should not have been interfered with. At the time I objected to the Directors making the alterations on the ground that it was not within their power to do so, there being no protest bearing upon the awards with the exception of Mr. Essex' cockerel being disqualified for wry tail, which the Directors decided was not the case. This was the only matter before them.

Have since spoken to two of the Directors present at the meeting and they agree that your cockerel is still entitled to 2nd prize, they having overstepped their duties and sorry the change was made.

In requesting you to stay proceedings under promise of writing you this explanation in time for publication, was neglected for reasons already explained, trust this will now set matters at rest.

Yours very truly,

THOS. A. BROWN,
Secretary, P.A. of O.

London, March 7th, '99.

[As a solution of the difficulty let the REVIEW suggest that Mr. Bonnick and the winner of second be awarded equal second prizes. Thus no injustice to any one will occur.—Ed.]

NOTES AND COMMENTS

“TO ‘SCORE’ OR NOT TO ‘SCORE’? THAT IS THE QUESTION.”

THE Toronto Association at its last meeting had a long and hot discussion on what was practically the merits and demerits of the scoring system of judging. Mr. Barber has no use for score cards and gave instances of its deception. Mr. Essex ably supported the system. The REVIEW is irrevocably in favor of the scoring system as a system, but is irrevocably opposed to its present status as carried out by the different judges. The score card now is a delusion and a snare, a trap for the unwary and the novice—but that is not the fault of the score card system but of the method of its application. It is nonsense to suppose that a bird will go up or go down five or more points between two shows a day or two apart. In our experience the weaker the competition the higher the score. How many times have we seen birds of fair to good quality run away up into the nineties at a small show, while the next week at a larger exhibition better birds don't score as high and the ninety-nine point specimen is simply left out of the awards. In keen competition birds score low, they have to or some would, in justice, go over the century mark. The Standard alone is supposed to be perfection, not a better living bird than the one being scored. What is needed is a judge's association, composed solely of judges, who cannot be influenced by any ulterior motive, men who know their business. Let them get together and decide what a certain defect is to be cut, $\frac{1}{2}$, 1, $1\frac{1}{2}$, 2 and so on as the case may be. It can be done, we have men able to do it. It is not supposed that every bird will score exactly alike under each judge, frail human nature has not reached that pinnacle of perfection. But it is not too much to require that birds will score within say two points by two or more judges, conditions being equal, and that they be cut in the same sections of shape and color.

If this can be arrived at the score card will indeed be a guide to the novice and even the older hand, for it will show him truly where the specimen is defective. It will give good birds an enhanced value if the buyer

**HEN**

Score 96. 1st at the Owen Sound and Ontario Exhibitions

COCKEREL

Score 97 Winner of 1sts and 1 Specials at Owen Sound, '98

RAMSAY'S "CHAMPION STRAIN"
Single Comb Snow-white
Leghorns

Have proved themselves champions by winning highest honors at the only two shows where they were exhibited. At Owen Sound's Great Show, 1st on Cock, score 91½; 1st on Hen, score 93; 1st on Cockerel, score 97; 2nd on Cockerel, score 95½; Pullet, score 97; 2nd on Pen, score 187½. Specials for best bird in show room irrespective of score, for best White Leghorn Cockerel, for best Leghorn male, for best Leghorn female, for best White Leghorn Hen, for best bird in the Mediterranean class.

At the Greatest Show ever held in Canada, the "Ontario" (1899), where all the cream of the country were on exhibition, they won 1st and 2nd on Hens, 1st on Pullet, 3rd on Cockerel and Special for best White Leghorn female in the Show. This show was judged by comparison.

Birds for Sale at all times.

Eggs in Season.

PEN No. 1—Cockerel scoring 97 mated, to 1st and 2nd Hens and 1st Pullet at Ontario show. Eggs \$1.00 per 13. PENS No. 2 and 3—Headed by Cock 91½ and Cockerel 95½ and high scoring females. Eggs \$2.00 per 13.

Enclose stamp for reply.
Satisfaction guaranteed.

JOHN RAMSAY, OWEN SOUND, ONT.

Yes, I breed all my Winners
and they are Black Minorcas

I took 1st and 2nd on cocks, 4th on cockerel, 3rd on hen at Toronto's great winter show and at Industrial 2nd cock 3rd cockerel and 3 V.H.C's.

Here is what one of my Customers says:

1199 North Main St., Bridgeport, Conn., Dec. 10, 1898.

J. S. CARTER, ESQ., Toronto, Canada.

Dear Sir—I have at last decided to purchase the black Minorca cock and enclose my check for \$30.00 for same. From what experience I have had with black Minorcas I must candidly state that yours are without doubt the best in the U. S. or Canada.

Yours truly, JOE LEWIS.

I will sell a few eggs at \$3.00 per 13. Write at once. Three cockerels for sale.

J. S. Carter, 260 Sorauren Ave., Toronto.

Wanted VALUE FOR THEIR MONEY AND THIS IS
What they Say:

The B. Minorca cockerel arrived in good condition and is fully up to your description, thanks for promptness and honorable dealing.
 BESSON F. SMITH, Iriquois, Ont.

The B. Minorca cockerel bought of you arrived in due time and we find he fills your description. He is the tamest Minorca we ever saw. All who have called to see him join in pronouncing him O.K.
 Respectfully yours, J. H. WOOD, Hull, Que.

The Minorca cockerel sent on approval by you is even better than your description. Just the bird I wanted long back, large bone, typical comb and lobe, the best cockerel I have seen this year, including Industrial winner—Thanks for my money's worth.

J. P. LEMOX, Churchill, Ont.

The above are Sired by Black Giant and Brothers to 1st Cockerel Ontario '99. Eggs from two of the Finest Pens

of Minorcas in Canada, \$3 per 15, \$5 per 30. References—L. G. JARVIS.

S. M. Clemo & Co., Welland, Ont.



Send stamp for circular and price list.
Address

CANADIAN PHEASANTRY.
Hamilton, Ont.

On R. C. W.
Leghorns



every exhibitor who has won a first prize at Canada's great Ontario Poultry show since 1892, had to get my strain before they could get the coveted ticket.

EGGS \$2.00 PER 13.

W. J. BELL,
ANGUS, ONT.

Saugeen Poultry Yards.

THOS BROWN, Sec. DURHAM, ONT'
 Breeders of high-class poultry in the following varieties:—

White and barred Plymouth Rocks, black Javas, S.C. white and brown Leghorns, silver Duckwing Leghorns, R. C. brown Leghorns and white Holland Turkeys.

WINNING THE INDUSTRIAL MEDAL ON BEST COLLECTION BLACK JAVAS, and one first, three seconds and one third and special on six entries of white H. Turkeys. STOCK FOR SALE NOW. EGGS IN SEASON. See REVIEW for prizes won at the Ontario and Owen Sound shows.

Plymouth Rocks } Barred
 White
 Buff

Also Rouen Ducks and Belgian Hares.

At the Western Fair, London, Sept. 1897, and Ontario Poultry Show, London, January, 1898, I won more prizes in the Plymouth Rock class than any other exhibitor.

Lambton Poultry Show, Petrolia, Dec. 1898, I won on barred P. Rocks 1st and 3rd cock, 1st hen, 2nd cockerel, 1st and 2nd pullet. White P. Rocks, 1st and 4th cock, 3rd and 4th hen, 1st and 3rd cockerel, 2nd and 3rd pullet. Buff P. Rocks, 1st and 3rd hen, 2nd cockerel, 1st and 4th pullet. Eggs \$2 per setting straight.

JOHN W. KEDWELL,

Petrolia, Ont.

Yukon Poultry Yards.

Headquarters for Geese and Ducks, also Barred Rocks, Buff and part Cochins, D. Brahmas, B. Hamburgs, W. and Brown Leghorns, B. Minorcas, Games and Game Bantams, Buff Pekin Bantams. See Canadian Poultry Review for prizes won at Toronto Industrial, London Western Fair, Brantford and Galt winter shows, also the Great Ontario, where we won the sweepstake special for best exhibit of Geese and Ducks for the last two years. Birds and eggs for sale. Address O'Brien & Colwell, Paris Station P. O., Ontario.

is sure the score is a correct one, fairly positive to be repeated.

WHY NOT CANADA TAKE THE LEAD?

We have in Canada men the peer of any judges in America. They get in all round experience a better knowledge than can be acquired in many shows in the U.S., for the reason that U.S. shows in many instances run to few breeds. Here, as a rule, none predominate, all are of all round excellence. Then why should not our Canadian judges meet and talk these matters over? An association of judges died in hatching in the U.S., we trust Canadians are of hardier stock. The Industrial Exhibition would give the golden opportunity—embrace it. A day thus spent will be of great benefit in arriving at unanimous decisions. Give and take, no one man knows it all.

ASSIST THE SMALLER ASSOCIATIONS.

Mr. Collins' letter will be read with great interest. The pleas he puts forth are similar in great part to the views of the editor of this journal as written for the Government report. Briefly, we cannot do without one or more such great conventions as the recent Toronto meeting, where the very best, the "creme de la creme," is gathered together, and where breeders can come together to hear all that is new in the poultry world. In addition, a small grant to the several county or local associations would, in the aggregate amount to little, but would help them materially in their struggles to assist in the missionary work. We heartily endorse the movement.

MR. CHARLES BONNICK

has again been appointed chairman of the poultry committee by the Board of the Industrial Exhibition, Toronto. The meeting of the committee will be called early in April to revise the list, appoint judges and in fact do the usual work of such bodies.

MR. I. G. JARVIS,

the popular poultry judge, "has troubles of his own" these times. A long siege of the grippe laid him on his back for a time and a few days ago his right arm was severely scalded while passing the blow-off pipe in the dairy building on the farm.

OUR COLORED PLATE.

The plate of a Langshan cock in this issue we are sure will be greatly admired. It is placed loose in each copy, as some breeders have expressed a desire to frame it.

FROM MR. A. P. MUTCHMOR, OTTAWA,
we learn that a movement is now on foot to get the exhibition association to renovate and improve their present poultry building. Mr. Mutchmor says he has lately sold a great many birds and adds "thanks to the REVIEW."

THE MANITOBA POULTRY ASSOCIATION'S SHOW was this year for the first time held in Brandon, and though little time was given for preparation the show was a great success. The "Nor' West Farmer" makes the following very timely suggestions:

1 That at the annual meeting in July the place of holding the next winter exhibition be decided upon, so that all may know in good time.

2 That the President or some leading officer be elected from the town where the exhibition is to be held, and that an exhibition committee be elected, composed of members largely from that town, if possible, to assist him in managing the show.

3 That the annual meeting be changed from July to the time and place of the annual exhibition, and that at the annual meeting there should be a convention of poultrymen, at which papers on poultry raising and kindred subjects might be discussed and a greater interest aroused in this important branch of farm work throughout the province.

Lastly we would suggest that some day during the show at Brandon the poultrymen get together and talk over matters pertaining to the best interests of the association and of poultry raising in the province.

With all of which the REVIEW heartily accords.

DISEASED OR IMPERFECT OVIARIES.

I have rather a peculiar instance of a pyle Game pullet which persists in laying eggs no larger than a robin's. She is a fine, large bird hatched 20th of March last and I cannot account for it. The eggs have no yolks. She always lays on the floor although she often goes on the nest.

I have often found small eggs like these before, but only one or two a year, whereas this pullet lays no others.

E. C. P.

Time may cure this case, but if of long standing it is doubtful. It is likely due to an imperfect or diseased state of the ovaries. Too fat hens will often lay these very small eggs.—ED.

SOME EGG RECORDS.

WHO SAYS LEGHORNS DON'T LAY IN WINTER?
SOME FIGURES THAT ARE SURPRISING.

SEND you herein a statement of number of eggs laid by my single comb brown Leghorns for year 1898. From 30 females (8 hens and 22 pullets):—January, 294; February, 291; March, 560; April, 690; May, 740; June, 602; July, 504; August, 420; September, 350; October, 285; November, 40; December, 60; Total, 4,796; Average per hen, 156½. This is from 3 years' matings—1896, average 120; 1897, average, 134; 1898, 156½. I also set 125 eggs and hatched out 105 chickens. Two dogs killed 32 on me, one day. The remainder did splendidly and I have some splendid stock. I sold this spring 624 eggs for hatching.

Galt.

W. J. POWELL.

I here send you the report of my last year's (1898) breeding pen of 15 hens, white Wyandottes, as kept for the Practical Experiment Club in Farm Poultry, Boston, Mass. As I kept track of each day of the year, the temperature, weather, condition of and kinds of food fed morning, noon and night and the number of eggs collected each day. I will not give you the full list, but just the coldest and warmest day of each month for the first six months, and if you would care or like to have the full report I will send you one per month for this year or last.

(Temperature at 12 o'clock noon.)

		Morn.	Noon.	Night.	Eggs
Jan. 1st, zero.	Jan. 9th 52 above	mash	millet & bone	wheat	207
Feb. 13 8 b zero	Feb. 7th 40 above	"	gr'n m't stuff	"	356
Mar. 3 30 a zero	Mar. 11 60 above	"	meat millet	"	383
Apr. 5 21 a zero	Apr. 27 70 above	"	millet	"	304
May 19, 59 a zero	May 28 76 above	"	barley & millet	"	367
June 21, 68 a zero	Jun 18 99 above	"	various	"	228
					1785

The 15 hens laid during the 6 months
Fifteen hens laid 96.7 eggs per day or one hen 2 eggs in 3 days or 4 of an egg per day. Or one hen laid 119 eggs in 6 months.

Each year I carefully select my best and earliest laying pullets and by so doing I have now white Wyandottes that will give the best of the Leghorns a hard run. Of course, as yet I have no large flock, but in due time I will accomplish my aim to have the best utility fowl on record. My pens this year are fine; they were hatched early, developed well, began

laying early and have layed far beyond my expectations. Time and patience and careful selecting tells.

Yours,

W. J. GORDON.

Pickering.

Last fall we put up an experimental pen of buff Leghorns to test their egg producing qualities. Mr. Devins kept tally with a calendar hung up just inside the door, every day as eggs were collected he just marked the figures in. Here they are: 10 pullets (no male being with them), December, 156; January, 158; February, 122. February this year was very cold, you will notice there was a falling off in that month. It goes to prove that if poultry are well housed, kept warm and properly attended to, that eggs in winter is a possibility and lots of them.

Yours,

Toronto.

C. J. DANIELS.

Mr. H. Dunne, Toronto, is a buff Leghorn breeder and selects his best layers to breed from. He reports that from 11 females he in December received 215 eggs and in January from 9 (2 lost by an accident) 188. Mr. Dunne tersely adds. "Of course an egg record for two months is no criterion of the laying capabilities of a fowl, but heretofore my buffs have laid right along till moulting time and I have no doubt they will not "weary in well doing" this year also.

P.S.—Egg records are like fish stories, not always reliable, but I can vouch for mine." Mr. Dunne believes that heat is necessary to make Leghorns, at any rate, lay in winter, and he uses it, but very little.

IS ARTIFICIAL HEAT DESIRABLE.

I would like to ask you a question. Would you advise artificial heat in a hen house, and why?

Yours truly,

Winchester.

S. W. D. FRITH.

We have never been able to make up our mind that artificial heat is desirable. In the case of Leghorns and other large combed breeds kept for winter laying and where the situation is cold and damp—note the combination—a little drying heat is no doubt beneficial.

ED.

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

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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., 599

Andalusians with a record sky high. At America's two greatest shows, Ontario, Toronto, and Madison Square Gardens, New York, won every first and special prize. I have twenty male birds for sale yet, of which some will be sold cheap, as they are slightly frost bitten. No eggs for sale. Newton Cosh, Box 218 Brantford, Ont.

Blue Andalusians for sale. Cup winners at Brockville and other shows. Cocks, hens, cockerels and pullets. Satisfaction guaranteed. Eggs for sale in season, \$1.50 per setting. Peter McGregor, Almonte, Ont.

Bantams.

White Game Bantams After mating my pens I had I can spare a nice pair at \$8 and two pairs at \$6 per pair. Bred from my own strain.

Birchon Game Bantams Two pairs at \$7.50 per pair; bred from a cock winner at New York, last Ontario, Industrial, etc.. Sent on approval where money is deposited and all expenses paid. H. B. Donovan, Toronto.

Black-breasted Red, pyle Game, golden and silver Sebright Bantams. See premiums won at Hamilton. A few good ones for sale. Write for what you want. J. B. Lang, 607 Ont. Ave., Niagara Falls, N.Y. 199

Buff and Black Pekins One pair golden Sebright \$2, one silver cockerel \$1. Eggs \$2 per 15. Orders booked now. C. Eisele, Guelph. 199

C. H. Propper, Edmeston, N.Y. America's best golden and silver Sebright, white and buff bred Polish Bantams. Highest honors at New York for three years in succession. 699

13 Prizes out of 14 Entries at Halifax, 1898. For sale 1 pair black breasted red Game Bants, \$3. 1 pair B. T. Japanese Bants, \$3. Louis A. Hazard, Charlottetown, P.E.I.

For Sale Black African, white and black Cochon Bants, cocks and cockerels. Winners at leading shows. Must be sold to make room. Arthur E. Hartley, 7 Niagara St., Brantford, Ont.

Eggs for Sale from prize winning Bantams. Black, buff and white Pekins, golden and silver Sebrights, black tailed Japanese and black Africans, \$3. per 15; \$5. per 25. Buff Pekin pullets for sale. Bert. Hicks, Woodstock.

Eggs from White Polish Bantams, \$3. per 13. Buff Cochon Bantams, \$2.25 per 15; eggs \$1 per 13. Dayton Murphy, Wellington, Ont. 799

Duckwing Bantam Cockerel pure Walton imported, winner second, Eastern Ontario, price \$3. Also a few 4 eggs Pit Game eggs, \$2.50 per 13, imported birds. Particulars, Rook, Prescott, Ont.

White and Black Cochon Bantams for sale. Single and rose comb brown Leghorns, eggs \$2 per setting. H. Tozer, 509 Richmond St., London, Ont. 599

Six pair Silver Sebrights, 2 golden, 2 black Africans, \$2.50 pair; cockerels \$1., pullets \$1.50. Fine birds, dirt cheap, must be sold this month. W. H. Groat, Grimsby, Ont.

Brahmas.

Sage & Garsides Improved prize winning dark Brahmas. Eggs \$3. per 13; brown Leghorn eggs \$2 per 13. Some fine dark Brahma cockerels for sale. 120 South St., London, Ont. 599

My Pen of standard weight light Brahmas have good markings and middle toe well feathered, and mated with the first prize cock shown at the Ontario held at Toronto, Jan., 1891. Eggs \$2. for 13. Thomas J. Sheridan, Box 196 Oshawa, Ont.

Light Brahmas Two cocks, two cockerels, and number of hens and pullets still left. Write me for eggs, \$2. per 13. John Cameron, 23 Superior St., Brantford.

Ho for Light Brahmas Fine large birds grandly marked and feathered, from good prize winning stock, fed to produce fertile eggs, at \$1.50 per 13. Satisfaction guaranteed. Sherwood Bros., Fergus, Ontario. 599

Cage Birds, etc.

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

For Imported Birds—Try Hope's Bird Store, 109 Queen Street West, Toronto. Fine young Mocking Birds, warranted cocks, 5 each.

Cages, Japanned From 35c. Cages, brass, from 65c; 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.

Cats.

Angora Cats, lovely long haired pets, all ages and colors, from \$6. each up. Hope's Bird Store, 109 Queen St. West, Toronto.

Cochins.

For Sale Partridge Cochins and Langshans, Partridge, 1st and 2nd prize pullets, Langshans, 2 cockerels and 3 pullets, father and mother winning 1st prize at Brockville and Galt. Apply to Wm. Sears, Welland, Ont.

A Bargain Beaton Bros., Box 12 Owen Sound, have for sale 1 partridge Cochin cock, scoring 91, also winner of 5 different prizes. Price \$3., if taken quick.

For Sale Buff Cochins, cockerels and pullets, cheap, if taken at once, or exchange for Pekin Bantams, any color. Satisfaction guaranteed. W. J. Teall, Guelph, Ont.

Dogs.

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.

Game.

For Sale—Cornish Indian Games, five cockerels, ten pullets, bred from same pen as first cockerel at Ontario, 99, also two hens two years old. E. T. Nims, Dresden, Ont.

Surplus Stock for Sale Three finest pyle stags in Canada; 3 W. C. B. P. cockerels, no better; also a few sittings barred Rock eggs, Thompson strain, for \$1.50 setting. G. Goulding & Son, 120 Indian road, Parkdale.

I Brood Exhibition Game exclusively in pyle and pyle Bantams. Satisfaction guaranteed or money refunded. A few good birds left in both kinds. Eggs \$3. per setting. George Chamberlain, Guelph.

Indian Games Males scoring 92 1/2 to 94, by Jarvis females to 95, by Pierce & Lambert. Eggs 13 \$1.50; 26 \$2.50; 39 \$3. M. L. Farrel, Oil Springs, Ont.

Indian Game Eggs \$3 per sitting. At Peterborough Poultry Show on eight entries won 1 firsts, 1 seconds and all specials. At Brockville (Eastern Ontario) on seven entries won 1 firsts, 3 seconds and all specials. J. H. Parsons, Osaca, Ont.

Close Bros., importers and breeders of high class exhibition Game and Game Bantams, Rouen and Aylesbury Ducks. Birds for sale at all times. Eggs in season. Stamp for reply Mitchell, Ont. 299

Cockers Enclose stamp for circular of Games and Galls, containing portraits of famous pit winners, together with notes on conformation, feeding, dubbing, etc. Mention REVIEW. H. P. Clarke, Indianapolis, Indiana. 629

Exhibition Games and Game Bantams, black red, duckwing and pyles. I have for sale some extra fine birds with great reach and good sound color, at reasonable prices. Eggs in season. A. J. Gregg, Jeweler, Clinton, Ont. 100

Free, \$1.00 Egg Circular Games, Irish black reds, Heathwoods Irish and Mexican grays, Tornados, also Rouen and Pekin ducks, Cornish Indians \$2.00, Stock at all times. C. D. Smith, Fort Plain, N.Y. 1629

For Sale All varieties of exhibition Game and Game Bantams, bred from the best imported stock and fit to win in last company. Eggs in season. C. W. Freadgold, Blenheim 49

Houdans.

We have 1st Cockerel at London, 1898, mated to a grand pen of females. Eggs \$2.50 per sitting. Express prepaid in Ontario. W. Elwood Pollock, Norwich, Ont.

Langshans.

Langshan Eggs \$3 per sitting. Won at Ontario 1st cockerel, 1st pullet, 2nd pullet, 2nd and 10th hens and 10th cock, won American Langshan Club special, also won \$5 special for best Langshan cockerel. B. McCurdy, 176 Oxford St., London, Ont. 499

Eggs for Hatching Black and white Langshans, winners wherever shown and will hatch winners for you. Won the bronze medal at the Industrial for best collection of Langshans and all firsts and specials at Guelph Poultry Show; also buff, white and black Cochon Bantams. A good hatch guaranteed. H. Karn, Guelph, Ont. 389

Black Langshan Eggs from my choicest prize winning birds, scoring 90 to 96, \$1.50 per 13, \$2 per 26, one pen only. J. W. Potter, Walsh, Ont.

Langshan Eggs for hatching, from grand pen, containing many winners, headed by imported cockerel, \$2 per 13. Have still a few choice pullets and one cockerel for sale. E. J. Deucey, 200 Carlton St., Toronto.

Stop! Read! I quit breeding black Langshans and offer my entire stock, consisting of 3 cockerels, 2 hens and 13 pullets, at one to two dollars each. No better stock in Canada. A. W. Graham, St. Thomas Ont.

White Langshan Eggs from pen headed by imported cock and containing many winners at Ontario and Industrial shows. \$2 per sitting. W. B. Powell, Guelph, Ont.

One Pair Black Langshans extra fine (Dr. Robinson's) will be sold cheap, grand shape and color, can't be beat. Will guarantee them. Ersek, Guelph.

Javas

Black Java Eggs \$2 per 13 pen headed by grand cock, score 91 mated with 1st and 2nd pullets at Ontario show 99 and 5 other grand pullets. Ben Harris, Woodbridge, Ont.

Leghorns.

Buff Leghorns Exclusively Seven years' selected pen "GIR Edge" winter layers, good in fancy points, not inbred. Fifteen eggs \$1.50. H. Dunne, 1192 Queen St. West, Toronto. 629

Eggs for Hatching After March 1st \$1.00 for 13 from sixty first class A1 birds, New Zealand brown Leghorns, also from some single comb brown Leghorns. Cressman Bros., Berlin, Ont. 389

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. 11

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

Rose-comb White Leghorn cockerels from \$2 up. Secured six prizes at Brantford show, Butterfield judge. Eggs for sale, \$2 per dozen. Wm. Dick, Echo Place, Brantford, Ont. 499

Eggs for Hatching From brown Leghorn winning females at Ontario, Guelph, Toronto and Port Hope shows, mated to first prize cockerel "Ontario", a grandly striped, vigorous bird. Eggs \$1.50 per 13. Sherwood Bros., Fergus. 399

Single Comb brown Leghorn eggs for hatching, \$2 per sitting, 2 sittings for \$3. The past season my birds have won at the Industrial, Ontario and Guelph. I have also furnished birds that have won at the leading shows. John Bradley, Milton, Ont. 399

Buff Leghorns Pen headed by imported cock, first at Chicago and Detroit, 1898; with him are three hens and three pullets, scoring 99 to 94 by Pierce and Butterfield. A limited number of eggs for sale at \$1.50 per 13. J. B. Woodhall, Box 91, Theford, 399

Buff Leghorn Eggs from prize winning stock at \$2 per sitting of 13. See the B.A.W. for record at Peterborough and Brockville (Eastern Ontario) poultry shows. J. H. Parsons, Osaca, Ont.

We have a fine pen of S. C. B. Leghorns and can supply eggs at \$1.50 per setting. Express prepaid in Ontario. W. Elwood Pollock, Norwich, Ont.

S. C. White and Buff Leghorns. I have only one choice pen of each variety, containing many prize winners. Eggs, one setting \$2, two settings \$3.50. Also some very fine stock for sale cheap. See Review for prizes won at Toronto and Brockville, 99, and at Cornwall and Peterborough, 98. S. N. Graham, 300 Princess Street, Kingston, Ont.

Utility Strain S. C. W. Leghorns. Large birds, large eggs. A early average 198 eggs. Incubator lots \$8 per 100. Single settings from best selected layers \$2. R. C. Allan, Cobourg, Ont. 300

Buff Leghorns My breeding yards are mated better than ever before. One pen is headed by 1st prize Ottawa cockerel, mated in turn with two 1st prize females, one 2nd. One pen is headed by 2nd Ottawa and Brockville cockerel, one prize winning pullet, one imported pullet and others as good. Every bird is first class. Eggs \$2 per sitting. Satisfaction guaranteed. J. Bedford, 624 Parliament St., Toronto, Can. 399

S. C. Brown Leghorn Eggs for sale cheap after April 1st, from pens scoring 91, 94, 93, 95, 95, also from pen of good buff Leghorns. Six prizes out of six entries at Galt winter show, 3 1sts, 2 2nds, 1 third out of every keen competition against Ontario winners. Satisfaction guaranteed. W. J. Powell, Huron St., Galt, Ont.

For Sale Four buff Leghorn cockerels, one buff Wyandotte cockerel, four 1 year old buff Leghorn hens, five buff Leghorn pullets. Eggs for sale. Write for wants. James Duudas, Deer Park, Ont.

For Sale Buff Leghorns that have the even surface and under color, 1 cock, 1 cockerel, if taken at once. Cockerel took second at Hamilton. Eggs from either buff of blacks \$2.00 per 13. Phipps Bros., Grimsby, Ont.

S. C. W. Leghorn Eggs \$2.00 per 13, Ontario winner heads my pen mated to 5 pullets all first class in shape and color, perfect comb, no chance breeding with us, we know the parents of every bird we have bred. J. & W. Barr, Jewelers, Woodstock, Ont.

Eggs For Hatching \$1.00 for 13. From my pen of pure bred prime buff Leghorns. Phil. Barker, Box 31, Morrisburg, Ont.

Black Leghorns—Eggs \$1.50 per setting, from pens headed by 1st cock and 1st cockerel at the "Ontario" and 10 prize winning females. A. G. Brown, Watford, Ont.

Brown and Buff Leghorns Eggs direct from the winners. See ad. elsewhere. Payer, Nassagaweya. 699

Buff Leghorn Cockerels, hens and pullets—also eggs from prize winners, at \$1 per 15, \$5 per 30. Eggs from laying stock \$1 per 15. G. Whillans, 100 Argyle St., Toronto.

White Leghorns Eggs for hatching, \$1.50 per setting, from an extra choice pen of large birds, Blech and Dobby strain. Dr. R. C. Coates, Thames Hill, Ont.

Leghorns—My S. C. Browns are mated with the 1st prize cockerel shown at Peterborough this winter. Eggs \$1 for 13. Thomas J. Sheridan, Box 166, Oshawa, Ont.

Eggs for Hatching from rose-comb brown Leghorns. All well bred birds, mated with care to produce excellent stock. Eggs \$1 per 13. A good cockerel for sale. John J. McLeod, Woodstock, Ont.

Minorcas.

Black Minorcas—For want of room will dispose of some pullets from best American and English strains, at \$1.00 each. Have mated a cockerel from 1st prize pen cock and 1st prize Northup hen, with my best hens. Eggs \$2.00 per setting. George W. Brown, box 22, Galt, Ont. 499

White Minorca and rose comb black Minorca eggs from choicest matings, \$3.00 per setting, \$5.00 for 39. A few cockerels and pullets for sale. Mrs. J. G. Osborne, Fabius, N.Y. 699

Eggs from Pen No. 1 black Minorcas, cock first at Owen Sound, and pullets same as second prize. No. 2, cockerel from Abbott Bros., and 6 hens all standard weight. R. C. Ferguson, G. T. R. Stratford, Ont. 499

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 69 headings, Rose and single comb black Minorca cocks, hens, cockerels and pullets. Burgans, George H. Northup, Box 478, Raceville, N. Y. 499

For Sale A few trios of black Minorcas eggs from the same variety \$3.00 per 13, \$5.00 per 20. W. Cox, 5 Rushbrook St. Montreal. 494

Twenty-five black Minorca Pullets. For sale, also eggs for hatching. I have Minshall, Santee, Northup and Scott stock a snap for first some one, write your wants. H. G. Doyle, Grocer, Woodstock, Ont.

Fine black Minorca Cockerel For sale. Eggs from my fowls this year will be \$1.00 per setting. None better a bargain. C. T. Throop, Port Hope. 599

My pen of white Minorcas is mated with second prize cockerel shown at Peterboro this winter, they are an extra fine pen. Eggs \$2.00 for 15. Thomas J. Sheridan, Box 166, Oshawa, Ont.

Black Minorca Eggs from my genuine imported Pitts stock, cock cost \$85.00, \$4.00 per setting, two for \$5.00. H. Warrington, 12 Hickson St., Toronto.

Black Minorca Eggs for hatching \$2 per 13. My pen consists of 4 birds, hens score 92 to 94. John I. McLaughlin, Box 372, Oshawa, Ont.

Rose comb black Minorcas As good as the best. Best pen contains, besides other fine birds, two hens and one pullet, Northup strain, headed by standard weight Northup strain cockerel. Eggs \$2 per 15, \$3 per 30, also white Rocks and silver Wyandottes \$1 per 13. W. H. Kirby, Oshawa, Ont.

My black and white Minorcas are in grand shape now for fertile eggs, every bird in pen has scored 93 or better this winter. Eggs \$3 for 15, \$5 for 30. W. G. Murray, Strathroy, Ont.

White Minorcas Exclusively Winners Toronto, Owen Sound. Pullets \$1.00 to \$3.00, cockerels, cocks, \$2.00 to \$5.00, eggs \$1.50 setting. Guaranteed as represented. J. N. O'Neil, 53 Elm Grove, Toronto.

Orpingtons.

For Sale Eggs from my imported single comb black Orpingtons. See REVIEW for list of winnings at the shows. Eggs \$2 per 13. W. H. Chambers, 75 Lindsay Ave., Toronto.

Plymouth Rocks.

White Plymouth Rocks The largest, whitest, best shaped Rocks in Canada, they are from cock weighing 14 pounds and females from 9 to 10 pounds, snow white in quills and plumage scored by Butterfield 93 to 91, some cut only 1/2 point for color. I have booked already nearly twenty settings. Eggs \$1.50 setting, 3 settings \$4. \$8 per hundred. G. A. Ineson, druggist, Ingersoll.

White Plymouth Rocks, scoring from 92 to 95. \$5 per trio, guaranteed, sent C.O.D. if desired, none better. Eggs \$2 for 15. Eiscke, Guelph. 493

Buff Rocks Exclusively Cockerels and pullets for sale. Eggs \$1.50 per setting \$2.50 two settings. W. R. Bell, Morpeth, Ont. 493

Saunders Buff Rocks. I sold all my exhibition birds this fall, but I now have the best pen I ever owned headed by the sire of 1st and special cockerel, Ontario, '98. Eggs, \$2.00 for 13. Sid. Saunders, Box 593 Guelph. 499

A limited number of settings of buff Rocks and Dotts, Shepherds and Mattison strains, \$3 for 15. Hatch guaranteed with all eggs. W. G. Murray, Strathroy, Ont.

White Rocks exclusively Selected from the best strains in Canada and the United States. Price \$1.50 for 13 eggs. M. Mann, Strathroy, Ont.

Barred Rocks for sale Two nice light colored pullets, \$1 each, 2 good hens, light in color, well fixed, \$1 each, eggs for hatching \$2 per 13. Arnold Martin, Edgely, Ont.

Barred Plymouth Rock eggs for setting. No 1 pen headed by cock that took 1st and special for best Rock at Guelph Poultry Show and females from E. B. Thompson, N.Y. No. 2 pen headed by cockerel bred by Ferguson, Fisher's Island, N.Y. Price \$2.00 per setting of 13 eggs. Thos. S. Armstrong, Fergus, Ont. 599

Barred P. Rocks A few fine cockerels bred direct from Bradleys and E. B. Thompson's stock also eggs from same stock \$2.00 per setting. Satisfaction guaranteed. Geo. Bell, 201 First Ave., Toronto.

Eggs from America's best strain of buff Rocks up to date in size shape and plumage. Pen consists of cockerel and two pullets only, including 3rd Ontario pullet. Write for prices. H. J. Cook, Woodstock, Ont.

White P. Rocks Eggs from a selected pen of W. P. Rocks \$1.50 per setting, bound to produce grand results. A. G. Brown, Watford, Ont.

Snelgrove Poultry Yard Barred Rocks exclusively, eggs for hatching \$1 per setting, 3 settings \$2. Hawkins Royal Blue strain for 1899. W. J. Campbell, Snelgrove, P. O., Ont.

For Sale Eggs for hatching from two grand pens of barred Rocks of Thompson's and Lofel's strains, \$1.50 per 13. Address J. W. Elliot, Port Burwell, Ont.

BUFF ROCK EGGS from a first class hen at \$2 per setting. See prizes won at Peterboro and Eastern Ontario (Brookville) in this number of Review. J. H. Parsons, Osaca, Ont.

Pheasants.

Pheasant Eggs Lady Amherst, golden and silver \$5.00 per 13, English \$3.00 per 13, with full particulars as to raising the young. W. J. Atkinson, Petrolia, Ont. 599

Pigeons.

Flying Homers of the very best Belgian and American strains. Must sell to make room. H. Rose, 317 Nelson St., London, Ont.

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.

Pouters Only At the recent Ontario won 11 regular prizes and 3 specials on 11 birds. Stock birds from \$1.50 up. Exhibition birds a matter of correspondence. Stamp, Magill & Glidden, Port Hope, Ont.

Two Pairs Black Magpies and two odd cocks, perfect markings, cheap. Six white Fan hens, very stylish also Jacobins, all colors, and Pouters. Best value ever offered. Stamp, C. Massie, Port Hope, Ont.

Fancy Pigeons For Sale Pouters, Barbs, Trampeters, Owls, Turbits, Jacobins, Dragons, Carriers, Fantails and Tumblers. Satisfaction guaranteed. Bert Hicks, Woodstock.

English Carriers One pair duns, good birds, mated, \$5.00. W. J. Henderson, Box 52 Collingwood.

Bargains in Pigeons Swallows, Pouters, Owls, Turbits, Blondinettes, Tumblers, Carriers, Fantails, Antwerps, etc., etc. Write for what you want. We can please you. Hope's Bird Store, 109 Queen St., West, Toronto.

After mating my Pigeons I have the following birds for disposal at greatly reduced prices. Owls, 2 pair reds, 1 pair blacks, 1 black cock, 1 dun hen, 1 red hen, 1 white hen; Tumblers, pair red hooded, pair yellows, red hooded cock; Antwerps, pair blue checkered; Turbits, red winged cock, black winged hen; Barbs, red cock, dun hen. One golden Sebright cock. For particulars apply Geo. W. Hay, 67 Winchester St., Toronto, Ont. 599

Polands.

S. F. Gulliford, Akron, Ohio, U.S.A., 30 years importer and fancier. White, Golden and Bearded Buff Laced Polands, clumpions of America; also Silkies of the finest quality. 599

W. C. B. Polands Winners of 5 cash prizes also the special for the best exhibit of W. C. B. Polish by Butterfield at Brantford. This speaks for itself. R. J. Taylor, Brantford, Ont.

W. C. B. Polands A few fine young birds must be sold soon to make room, will sell reasonable if taken before the 11th of this month. R. J. Taylor, Brantford, 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.

Rocroy Farm, sole agent for Des Moines Incubator Co., 51-eggs capacity, \$11.50; 100-eggs, \$15.50 and \$19, delivered in Toronto. Send 3 cents for catalogue of poultry. 24 St. Sulpice St., Montreal. 1069

Silica Poultry Grit is guaranteed absolutely free from scales of mica and contains silica, oxide of iron, lime and magnesia. No oyster shells necessary. Acknowledged by all poultry men to be the best digester in the market. In bags of 100 lbs. for \$1. Order from your dealer, or direct from us. Laurentian Sand and Gravel Co., 13 St. John St., Montreal. 200

Poultry Farm.

\$2,500 - A choice property in the village of Lakefield, consisting of a brick house, lawn, gardens and fields. Suitable for a poultry farm, market garden or gentleman's residence. Ten minutes walk from post office and G. T. R. station. Good boating and fishing. Apply to E. Rolleston Tate, Lakefield, Ont. 599

Red Caps.

Red Caps - From prize winning stock (see REVIEW), only \$2.00 per setting. W. B. Powell, Guelph, Ont.

Imported English Red Caps - We have the best laying strain on earth. Non-setters. Eggs for sale. Kinder Bros., Strathroy, Ont. 799

Sale or Exchange.

For Sale or Exchange One trio each black, white and silver Wyandottes, 2 white Rock cockerels, 2 pairs black Cochins Bantams. Want silver G. Dorking, black Jay and Spanish males, must be first class. Geo. Bogue, Strathroy, Ont.

By the way - I've got 1 splendid S. C. B. Minorca pullets, 4 ditto white Wyandotte hens, 2 B. B. Game hens; fine stock, for sale or exchange for barred Rocks or fancy pigeons, but must be real good ones. Alfred Riggs, Charlottetown, P. E. I.

Four Pekin Ducks, living, 2 drakes, 4 Minorea pullets, Wooden Hen and Brooder, will exchange for light Brahmas, fancy rabbits or offer. Write Box 123, Chatham, Ont.

Groat Scott! 15 of those barred Plymouth Rock eggs for only \$1.00. Yes, that is what we say; would exchange a few settings for white Wyandotte eggs. F. Bettschen, Palmerston, Ont.

White Minorcas and brown Leghorns eggs only \$1.00 per setting. Will exchange for settings of Bantams, Wyandottes or offers. Aylesbury ducks eggs only \$1.00 per setting. Winners wherever shown. Alvin Bricker, Lestowel.

Eggs for Sale From prize winners for \$1.50 and \$2.00 per 13, from A 1 pens of white Wyandottes, white and black Minorcas, brown Leghorns, Andalusians, silver spangled Hamburgs, black Langshans. Also for sale few males and females of above varieties, prices on application. Will exchange 2 pairs buff Pekins for Andalusian females. Cookshire Poultry Yards, Cookshire, Que.

Spanish.

Eggs for Sale from first class white faced black Spanish, \$2 per sitting. Pen headed by cock that took 1st Industrial Fair, 1888. H. Baskerville, Bowmanville, Ont. 199

Turkeys, Ducks and Geese.

Some Choice Pekin Drakes for sale, also Pekin duck and white Wyandotte eggs in season. Mrs. McGregor, Jarvisville, Ont. 629

Eggs from Toulouse, Embden, Chinese geese; bronze, Holland white, red turkeys, \$2.50 for 9, Pekin, Aylesbury, Rouen, Cayuga, wild (decoy) ducks, \$1 per 13. See Ontario show, Toronto, January '91, report, for prizes won. A. G. H. Luxton, Georgetown, Ont. 399

For Sale, Toulouse geese eggs \$3 per eleven, Rouen Duck eggs \$1 per nine or \$2 per 20 eggs, Bronze Turkey eggs \$3 per eleven. John Ford, Parkhill. 399

For quick disposal My complete stock of prize winning Rouen Ducks including one drake and three ducks are for sale for \$75 cash. John Kedwell, Petrolca, Ont.

Various.

No Better Birds in Canada Eggs for hatching, Langshans \$2.00 per setting, barred Plymouth Rocks \$1.00 per setting. Geo. Hope, box 39, Weston, Ont. 389

Parkhill Poultry Yards will sell eggs from duck weighing 8 to 11 lbs. Pekin and Rouen duck eggs \$1.00 per 11. Bronze turkey hens weigh 20 to 25 lbs, Toms 38 and 44 lbs., eggs \$2.00 per 9, Toulouse geese pair 13 lbs. eggs 10¢ each. D. A. Graham, Parkhill, Ont.

Eggs for Sale Light Brahma, dark Brahma, silver laced Wyandottes, barred Rocks, \$1.00 per 13. My Brahmas won at Guelph and Ontario shows this winter 3 firsts, 1 second and 4 thirds out of nine entries. Bone cutter for sale cheap. J. Thomson, Fergus. 199

Partridge Cochins Barred Rocks, white Rocks, silver Wyandottes, black Minorcas, black Spanish, Leghorns, Red Caps, Hamburgs, Pekin and Rouen ducks. Eggs \$1 per sitting. R. and A. Lawrie, Wolverton, Ont. 100

Parkhill Poultry Yards offer eggs \$1.00 per 13. B. and W. Rocks, S. L., golden and W. Wyandottes, light Brahmas, black Minorcas, silver grey Dorkings and Indian Games. D. A. Graham, Parkhill, Ont.

Partridge Cochins, barred Rocks and black Javas, eggs and stock for sale, a pen of Jays, cock and four hens, good ones, also Mastiff dog, 15 months old and a beauty. L. G. Pequegnat, New Hamburg, Ont. 67

Isaac J. Rank, of Tavi-stock, Ont., breeds white and barred Plymouth Rocks, black Minorcas and buff Cochins in accordance with the Standard of perfection. My stock will bring you success. Eggs \$1.00 per 13. 639

Wm. Daniel & Co., Plattsville, Ont. Eggs for hatching, buff and partridge Cochins eggs \$1.50 per 13. Barred and white Rocks, buff golden, black and white Wyandottes, Cornish, Indian Games, black Leghorns, golden and silver spangled Hamburgs, golden Sebright Bants, eggs \$1.00 per 13. Our birds won 1st and special and silver cup. 399

Eggs \$1.00 per 13 from light Brahmas buff Cochins, barred and white Rocks, Langshans, Houdans, black Minorcas, silver laced Wyandottes, white, brown and black single comb Leghorns, silver spangled Hamburgs, black Spanish and Indian Games. See Ontario show, Toronto, Jan. 1891, for prizes won. A. G. H. Luxton, Georgetown. 399

Eggs for Hatching from choice golden Wyandottes, Red Caps, S. C. black Minorcas (Molsons' strain) and S. C. brown Leghorns, \$1 for 15 eggs. John Grant, Rockland, Ont.

Eggs for Hatching From prize winning stock of S. C. W. Leghorns and white Rocks at \$1.50 per 13. Wm. E. Polts, Belmont, Ont.

Eggs From first class S. C. black Minorcas and white Rocks \$1 for 13. Thomas J. Sheridan, Box 106, O-hawa, Ont.

Eggs from Select Pens of L. Brahmas, partridge Cochins, barred Rocks, white Rocks, black Minorcas, white Wyandottes, brown and white Leghorns and wild Ducks, \$1.00 per 13, \$1.50 per 26. James H. Esdon, Currey Hill, Ont. 399

Brown and buff Leghorns—Eggs direct from the winners. See ad. elsewhere. Payer, Nassagaveya. 639

Eggs for Hatching White P. Rocks, silver Wyandottes, S. C. brown Leghorns, Pekin, Aylesbury and Rouen Ducks eggs, W. P. R. \$3.00 per setting, all others \$2.00. A. Thompson, Allan's Corners, P. Q.

Crescent Poultry Farm breeds choice barred Rocks and silver Wyandottes. Eggs for hatching at \$2 per 15 more at 10¢ each. Stock bred for business. David Bartley, Prop., Wyming, Ont.

For Sale Eggs from white Wyandottes (Massey's), \$2.00 per setting, also red Pyle Bantams, \$2.00 per setting, Trio Bantams \$5.00. A. E. Doan, Box 371, Watford.

For Sale Eggs from all varieties of Polands black and silver Hamburgs, black Leghorns and black Sumatras. Few silver Polands and black Hamburgs to spare. Victor Fortier, Box 206, St. Therese, P. Q.

For Sale one trio pyle Games, one golden Hamburg hen, Bant's, golden Sebrights, white Cochins, one black African cockerel, white Fans, black Carriers. Wanted in exchange, black African hens. Joseph Malkin, Barrie P. O., Ont.

Eggs from my Prize Winners in white Rocks \$2.50 per setting, white Wyandottes, light Brahmas, black Minorcas, \$2.00 per setting, white Cochins Bants, black Africans, red pyle, golden Sebright, B. B. red Game \$2.00 per setting, Joseph Malkin, 27 Ross St., Barrie, Ont.

Rigaud Poultry Yards Eggs for hatching. Twenty one leading varieties, all exhibition birds. Also poultry supplies. Fine illustrated catalogue free on application. Dr. J. H. Bastien, Rigaud, P. Q.

Eggs for Sale from prize winning pens of black Spanish, silver grey, Dorkings at \$1.50 per 13, Pekin Ducks \$1.00 per 11. George W. Irwin, Seaforth, Ont.

Get the best Eggs \$2 setting. Buff Cochins from imported stock and golden bearded Polands. A few good Polish pullets for sale. Alvin Small, Box 161, Stratford, Ont.

Best breeding pens we ever owned **White Rocks** Have purchased from Mr. Bailey (whose stock swept the New York show) a snow-white yearling cock to head our pen.

White Wyandotte pen is headed by 1st cockerel at Guelph and Petrolca, scored 91.

Black Wyandotte pen is headed by the best cockerel we ever saw, a winner wherever shown, scored 95.

Our Silver Wyandotte Females are as clean on back and wings as on breasts and are mated to reproduce such.

Dominiques Best all purpose fowl, and one strain has produced more winners than any other on the continent.

La Ficche 1st cockerel at Ontario heads our pen.

Houdans 1st cockerel at London and Petrolca, score 91, heads our pen.

Cayuga Ducks 1st drake at Guelph with 1st duck, also 1st old and young ducks at Ontario in pen.

We have one strong pen of each of white P. Polands, black Sumatras, black Cochins and black Cochins Bantams. Eggs selected to suit purchasers at \$2.00 per 13 or \$3.00 per 26. Geo. Bogue, Strathroy, Ont.

Eggs \$1.00 per 13—From black Minorcas, Shoemaker's strain; S. S. Hamburgs, Bastien's strain; silver Wyandottes, Meyers' strain, golden Wyandottes, Williams' strain, and P. Cochins, Bastien's strain. Alex. L. Campbell, Laggan, Ont.

Peterborough Poultry Yards—For Sale, trio W. Minorcas, grand ringy birds, \$5.00, trio Red Caps, prize winners at Peterboro winter show, \$1.00. Eggs for sale from my prize winning stock as follows: brown Langshans, grand color, \$1.50; white Minorcas, \$1.50; white Leghorns, \$1.00; brown Leghorns, \$1.00; satisfaction guaranteed. W. J. Ontram, Peterboro, Ont.

Hatch Chicks you can Crow about—These pens supply the eggs: W. Leghorns, females 1st prize winners at Owen Sound and Ontario '90, two hens scoring 91 each, pullet 96, 2nd Ontario (Jarvis); two beautiful pullets (Knapp Bros.). Eggs from above females mated to a pure white Knapp-Wycoff cockerel, only \$2.00. S. Hamburgs, 2nd cock, Montreal, mated to prize winning females, Wyandottes, Duston (snow white) pullet and "Massie" cock. Hamburg and Wyandotte eggs \$1.00. If you're after quality write. Elmvale Poultry Yards, Norwood, Ont.

Light Brahmas, barred Rocks, silver Wyandottes silver and golden spangled Hamburgs, golden Polands, white Leghorns, Pekin Ducks and Toulouse Geese. Eggs \$1 to \$2 per setting. S. F. McComb, Palmerston, Ont.

Houdans, buff and P. Cochins and black Spanish eggs from standard bred stock. Some of my breeders have won wherever shown. I do not show myself but they win for others and will win for you. Eggs per set \$1.50, send for trial order and I will please you. Square and honest dealing my motto. Chas. Frank, Waterloo, Ont.

Three Buff Cochins, one B. P. Rock, one S. C. brown Leghorn and two black Minorca cockerels, from prize stock. Must be sold. Eggs from my best pens \$1.00 per 15. W. Pemberton Proprietor of Reporter, Delhi.

Buff Brahmas America's best strains, the bird for Canadian breeders. Houdans, champions of New England, Buff Leghorns, No. 1 stock, Eggs \$2 per 15. Circular. Geo. W. Datus, East Litchfield, Conn., U. S. A.

Eggs from Wixon's celebrated stock S. C. white and brown Leghorns \$2.00 per 13, also S. G. Dorkings \$1.50, golden Wyandottes \$1.50. O. Scott, Newcastle, Ont.

White Wonder and White P. Rocks Eggs \$2 for 15, one fine W. P. R. cockerel and a few choice pullets for sale. We have a good stock as there is in the Dominion. East Toronto Poultry Yard, East Toronto.

Barred P. Rocks, Houdans, black Langshans, black Wyandottes, black Spanish, black Javas and all varieties of Hamburgs, \$1 per 13, light and dark Brahmas and all varieties of Cochins, \$2 per 13. Jos. Foster, Box 365 Brampton, Ont.

Eggs from 8 Toulouse Geese, weighing from 18 to 27 lbs., \$2.50 per 9. Pekin Ducks \$2.00 per 11, winners of 1st and 2nd in strong competition at Windsor, Essex, Chatham, Blenheim, Leamington and other places. Three drakes for sale. Butterfield and Daniels judges. Four pit stags for sale. Shoal Neck Ghrist strain. Amos Kelly, Sr., Quinn P.O., Kent Co., Ont. 699

Eggs from light Brahmas and white Rocks, winners at several shows including Ontario. A limited number of settings \$2.00 per 15. W. R. C. Forster, Branchton. 399

Dietrich black Minorcas and black Leghorns are sure winners, 39 prizes were awarded them last season at Industrial Brantford and Galt shows, eggs \$3.00 13, \$3.00 26. For sale—thoroughbred black and tan pedigreed scotch Collie dog, 18 months old, good watch dog, kind to children, house broken. Wm. G. Lovell, Box 357, Galt, Ont.

For Sale—300 egg Meyers Safety Incubator, A1 condition, \$15; also white, black, red, blue and silver dun Fantails, \$2 pair. R. T. Knight, Guelph, Ont.

For Sale—Eggs from prize winners, golden Wyandottes, S. S. Hamburgs, \$2 per 13; buff Cochins Bants, B. red Game Bants, \$1 per 13, also white Pekin ducks, \$1.50 for 11. Write for your wants. W. J. Broughton, Newmarket, Ont.

Eggs for Hatching—From black Hamburgs and white Rocks, see REVIEW for prizes won at Peterboro and Owen Sound. \$2 for 13. Elliott & Son, Oshawa, Ont.

Eggs for Sale from brown, black and buff Leghorns, Red Caps. Browns and blacks \$1.00 per 13, buff and Red Caps \$1.50 per 13. Light Brahma cock, young Turkeys and some Leghorns for sale, see REVIEW for prizes won at Petrolia and Clinton. Wm. Wallace, Londonboro, Ont.

Eggs from Stock Imported from Abbott Bros., England, 1888, black Minorcas, trio of same for sale; silver and golden Wyandottes, \$2; also light Brahmas, buff Cochins Bants and Pekin ducks, \$1. A. Trivett, Box 346, Newmarket, Ont.

Eggs from Prize-winners from best Canadian and American stock. White Minorcas \$2 per 13, S. C. white and brown Leghorns and white Wyandottes \$1.50. Stock for sale at all times. Midd Bros., Constance, Ont. 399

Eggs from Winners Black reds pyle-duckwings, Games and Bantams, \$3 setting; light and dark Brahmas, partridge Cochins, black Minorcas, silver Hamburgs, Houdans \$2. Birds at all times. U. Bonneville, Danville, Que.

Silver Wyandottes S. C. brown Leghorns, black Minorcas, best strains in America. Eggs that will hatch winners \$1.50 a setting. I pay express. W. R. Brown Kleinberg, Ont. 399

Imported Pekin and Rouen duck eggs 100 each, barred and white Rocks, black Minorcas imported, partridge Cochins (Dr. Bell's), 80 each, fertility guaranteed. Gore Villa Poultry Farm, Stratford, Ont.

For Sale—One good G. Poland cockerel, \$1.50, one S. C. W. Leghorn cockerel \$1.75. Eggs from S. C. W. and brown Leghorns, S. L. Wyandottes and S. S. Hamburgs, all A1 stock, \$1.50 per 15. S. Dippel, Listowel Ont.

212 Prizes Won this Season on golden, silver, buff, white, and white crested black Polands, golden spangled, silver spangled, golden pencilled, silver pencilled and black Hamburgs, Houdans and white Leghorns. Some of Canada's best are in my pens. Eggs \$2 per 13. Wm Carter Constance Ont.

Eggs for Hatching from prize birds. Nothing in my pens but the best quality. White and brown Leghorns, white and buff Rocks and black Minorcas. Thos. Rice, Whitby.

Indian Game Eggs \$1.50 for 13, from prize winners, S. L. Wyandottes, barred Rocks, Rouen Ducks, \$1.00 per setting. Samuel Appleby, Londonboro, Ont.

Eggs \$1.50 for 13. 26 for \$2.50, from first prize white Minorcas, partridge Cochins, silver and white Wyandottes, barred Rocks and black Minorcas. Eggs 13 for \$1. W. J. Wilson, Amherst Park, Montreal. 399

The Hub Poultry Yards Eggs for hatching from golden and silver Wyandottes, white and barred Rocks, \$1.50 per setting from best pens. We won seven first prizes at Huron Poultry Show. Birds in these pens scoring 93. Geo. Swallow, Clinton, Ont. 499

Eggs from Choice Pens of S. G. Dorkings and white Wyandottes, \$1 per 13, also a few choice cockerels for sale. Harry Shore, The First, White Oak, Ont.

S. and W. Wyandotte eggs for sale, \$1.50 per 13, also Pyle eggs for sale, \$3 per 13. James Philpot, Guelph, Ont. 399

Two fine Buff Rock cockerels and four Pekin drakes for sale. Eggs from buff Rock, black Minorcas, white Leghorns and Pekin ducks. Jas. A. Livingston, Grimsby, Ont. 100

My Birds are not the best but score 92 to 91. Andalusians, white Plymouth Rocks and Red Caps. Eggs \$1.50 for 15. James Cain, Ingersoll, Ont.

Eggs from Prize-winning brown Leghorns, Forsyth strain; S. G. Dorkings, black Minorcas, light Brahmas, Houdans, S. S. Hamburgs, and black Langshans, \$1.50 per 13, \$2.50 per 26. C. W. Palliser, Campbellford, Ont.

Eggs from the following prize stock, Black B. Game, buff Wyandotte, golden Poland and B. B. Game Bantams, B. P. Rock eggs \$2 per setting. Frederick Field, Woodlawn Poultry Yards, Coburg Ont. 399

For Sale—Two barred Rock cockerels hatched from eggs bought from E. B. Thompson. Also two pairs red pyle chicks, Griggs stock. H. F. Nims, Dresden, Ont.

Parkhill Poultry Yards are booking orders for eggs \$1 per 13 from brown, black and white Leghorns, golden Sebrights and black African Bantams. D. A. Graham, Parkhill.

Parkhill Poultry Yards consists of birds from the largest and best breeders in America and are mated to produce birds equal to the best. Breeding stock for sale at all times. D. A. Graham, Parkhill, Ont.

Eggs S. C. white and brown Leghorns, \$1 for 13; dark Brahmas, W. C. B. Polish, pyle Bants, \$2 for 13. Birds scoring from 91 to 94. F. A. Mann, Petrolia, Ont.

I will have a few settings of eggs to spare this season from birds scoring from 90 to 91 points including black Minorcas, silver spangled Hamburgs, brown Leghorns, Polands, Red Caps and Sebright Bantams, at \$1.50 a setting. Collin W. Campbell, Goderich, Ont. 699

Eggs \$1 per Setting from Cedardale Poultry Yards, Winchester, Ont. Buff Leghorns, Andalusians, Spanish, Red Caps, B. B. R. Games and Rouen ducks. One light Brahma and three Andalusian cockerels for sale cheap. S. W. D. Frith, Winchester, Ont.

Belloville Poultry Yards Eggs \$1 per 13, from barred and white Plymouth Rocks, single and rose comb white Leghorns, single and rose comb brown Leghorns, black and white Minorcas, Mahouti Dalmage, Belleville, Ont.

BARGAINS in buff and white Leghorns and buff Pekin Bantams, prize winning stock, only \$2 a pair. Eggs from grand matings in these varieties \$1.50 per setting. Chas. Rice, Bowmanville. 499

IF YOU WANT BARGAINS in eggs look up my advertisement on another page. 1 Yr. Ont. 1299

EGGS FOR HATCHING \$2 per sitting. My 1899 matings supersede all former. Red Hamburgs, silver Polish and golden Wyandottes. Write for circular. Ralph A. will give you satisfaction. W. W. Reid, Lantz Brahmas, Andalusians, golden spang Williams, Ingersoll, Ont. 599

NATION VALLEY POULTRY YARDS—Barred Plymouth Rocks, black Minorcas, brown Leghorns. Eggs for hatching, 18 for 13, \$5 for 78, \$6 for 100, 10 for 200. N. G. Moodie, Chesterville, Ont., Can. 799

EGGS FOR HATCHING from two grand pens of Houdans, S. C. white and brown Leghorns, and two pens of barred Plymouth Rocks, each pen of B. P. Rocks headed by male birds imported from E. B. Thompson D. C. Trew, Lindsay, Ont. 499

JAMES MOTHERALL, breeder of barred Rocks, silver Wyandottes, Cornish Indian Game, white Leghorns, glen Sebright and black red Game Bantams. Eggs burgs, black Spanish, 18 for 13. Black \$1 for 13. Plattsville, Ont. 499

FIFTEEN EGGS Black and white Minorcas, blue Andalusians, Blacks, pen No. 1 headed by Royal (Abbott Bros. strain), \$1.50. No. 2 (Minshall), \$1.00. white (Duff and Norris), \$1.50. blue (Cosh and Metcalfe), \$1.50. E. R. Frith, Maxville, Ont. 599

EGGS FOR SALE—From the following varieties \$3 per sitting. B. B. red and red pyles, buff and barred rocks, Houdans, Langshans, P. Cochins, B. B. red pyle and buff Pekin Bants, Tedford and Collar, Blenheim, Ont. 499

EGGS FROM BLACK MINORCAS, Durston's strain, hen headed by full brother to medal winners at last Industrial also from barred Plymouth Rocks and light Brahmas, all good birds 18 per 13. Sandringham Poultry Yards, Alex. A. Fraser, Sandringham, Ont. 599

OAKWOOD POULTRY YARDS—B Minorcas, B. Leghorns, barred Rocks and Sherwoods. Eggs for sale, 18 for 13. Fine Minorca and Sherwood cockerels at \$1.50. R. Lee, Box 323, Galt, Ont. 499

EGGS FOR SALE Light Brahma, dark Brahma, silver faced Wyandottes, barred Rocks, \$1 per 13. My Brahmas won at Guelph and Ontario shows this winter 3 firsts, 1 second and 1 third out of nine entries. Bone cutter for sale cheap. J. Thomson, Fergus. 499

EGGS FOR HATCHING Lang-han and buff Rock eggs from a hens. Rocks headed by my first prize cockerel at Toronto International show (none better) F. H. Scott, St. Thomas, Ont. 499

FOR SALE—Eggs from exhibition stock, white and silver Wyandottes, black Ham Spanish cockerels and pullets, 18 each Adam Berst, Plattsville. 499

I HAVE THE LAYERS Buff Rocks, black Minorcas and white Leghorns—the finest in the land. Eggs for hatching, \$3, \$2 and \$1, according to variety of fowl. James A. Livingston, Grimsby. 100

America's Best Strains of Wyandottes, silver-faced Arthur pullets, Hawkins cockerel; whites, Massie-Hawkins pullets, Kettlewell cockerel. All birds score over 91. Eggs \$2 per setting. F. L. Willis, Scaforth, Ont.

Eggs from 1st Prize Winners Toronto, Barrie, London, Guelph, and other places' Stock All Barred and white Rocks, black Wyandottes, black Leghorns, Cornish Indian Games, \$1.50 setting, \$5.50 per 100, express paid. Satisfaction guaranteed. Rank & Greenfield, Poultry Fanciers, Plattsville, Ont.

Eggs for Hatching from buff Rocks, buff or white Wyandottes, Cornish Indian Games, R. C. white Leghorns, 15 for \$1.50; black Wyandottes, R. I. reds, \$2; R. C. black Minorcas, \$2; R. C. white Minorcas, \$5; bronze Turkeys, \$2.50 per 10. From as fine breeders as America can produce. Safe arrival guaranteed. Illustrated catalogue free. J. M. Maxwell, Pattenburg, N. J. 599

Barred Rocks (Ringlet strain), white Leghorns (Wyckoff strain); prize winning Andalusians. Eggs \$2 for 15. Good hatches guaranteed. W. T. Junkin, Box 106, Fenelon Falls, Ont.

Wanted.

Wanted—An offer for 50 flying Homers, blue checkered, year old, will exchange for silver Sebright Bants; want room; your own offer Jas. McLaren, Stephen St., Owen Sound.

Agents Wanted to solicit subscriptions to REVIEW. Liberal terms. Good money for sharp canvassers. All take it who see it. Write us in time for shows and fairs. Samples sent. Send for circulars and terms. Address H. B. Donovan, Toronto, Ont.

Wyandottes.

White Wyandotte eggs for hatching from imported stock, \$2 per 13, 3 per 30. W. J. Snelgrove, Snelgrove P.O., Ont.

Golden Wyandottes—Pen headed by first cockerel (Magill) at Toronto Industrial, mated to Graham & Meyers pullets, all prize winners. Eggs only \$1.50 per setting. Eggs guaranteed. Alvin Bricker, Listowel, Ont.

Buff Wyandotte Eggs \$2, from pens containing cock 1st Toronto, 1st Western Fair, 1st Ontario, cockerel 1st Ottawa, hens 1st, 2nd, 3rd Ottawa. Above cock for sale after May 1st. R. H. Essex, 13 Emerson ave., Toronto.

White Wyandottes Only—Eggs for hatching from good healthy stock, free range, \$1 per 13. P. Wellington, Blackwell Station, Ont. 599

Buff Wyandotte Eggs from one grand pen comprising six birds, including Ontario 38, Industrial and London winners, Ontario 1st cock, 1st and 2nd pullets and two specials. Write for prices. Satisfaction guaranteed. H. J. Cook, Woodstock, Ont.

America's Best Strains of Wyandottes, silver faced Arthur pullets, Hawkins cockerel, whites, Massie-Hawkins pullets, Kettlewell cockerel. All birds score over 91. Eggs \$2 per setting. F. L. Willis, Scaforth, Ont.

Eggs from Utility bred, 200 egg record, White Wyandottes, 13 eggs carefully selected \$1.25, 26 eggs \$2. Supply limited, come early. Black Leghorns \$1 per 13. W. J. Gordon, Pickering, Ont. 200

GOLDEN WYANDOTTES Look up my record at the last four Ontario, won 9 teen prizes, including six firsts and special for best collection, 1898. At the last Industrial won all the first prizes in open class. Extra rich colored cockerels and pullets for sale from \$2 up, trios from \$5 up up, eggs \$3 per 13, \$5 per 26. J. H. Magill, Port Hope, Ont.

FOR SALE—Silver Wyandotte eggs for hatching, from my well-known strain of 1st prize winners, also barred Plymouth Rocks, \$2.00 per setting. W. H. Uley, Victoria Square, Montreal. 999

EGGS FROM PRIZE WINNING STOCK—W. Wyandottes, Massie's Straglin, G. Wyandottes, Wray Bros. and Magill, W.S.C. Leghorns, Rice's, Buff Bants, Clough's. Eggs \$1.50 per setting. H. Dymont, Barrie. 599

GOLDEN WYANDOTTE EGGS, setting \$1.50. Breeding pen headed by grand, large, rich colored cockerel, bred from Magill's first prize cock Toronto Industrial. Wm. Cann, Plattsville, Ont. 599

JACOB DORST, 565 Logan, Toronto, breeder of S. L. Wyandottes. Stock for sale at all times, eggs in season, \$1.50 per 13 \$2.50 per 26 1f

WHITE WYANDOTTES—Only six cockerels left, but they are good ones, including 2nd at last Ontario. If in need of a first-class male bird to head your breeding pen write me. Chas. Massie, Port Hope, Ont. 100

GOLDEN WYANDOTTES—My breeding pen is headed by Mr. Graham's best cockerel, a grand bird. Mated to grand hens and pullets. Eggs \$2 per 13. Wm. Williams, Bloomington, Ont. 499

JAS. ARTHUR, breeder of silver faced Wyandottes, exclusively. Record at late Ontario show, 1st cock, 2nd and 3rd hen, 1st pullet, 2nd and 3rd cockerel. Special for best female. Silver cup for best collection of Wyandottes. Eggs for sale \$84 per 13. Satisfaction guaranteed. James Arthur, 731 Lorne avenue, London 109

EGGS FOR SALE from my best pens of silver faced Wyandottes and rose comb Brown Leghorns \$1.50 per setting. A few more fine pullets and hens for sale at reasonable prices. Thos. McMullen, Aylmer, London.

Too Late to be Classified.

Light Brahmas. Two cockerels, 5 hens and a few pullets left to close out entire flock, must sell every one, unequalled for quality. J. Paton, 167 Ossington Ave., Toronto

Houdans. Twenty-five dark pullets, good in all points bred from grand stock, cheap for quality, must sell. J. Paton, 167 Ossington Ave., Toronto

Buff, black, and white Leghorns. Every bird in each pen a prize winner. Eggs buff and black \$3, white \$2 for 13. W. G. Murray, Strathroy, Ont.

LONGUEUIL POULTRY YARDS

ALWAYS IN THE LEAD

Having secured some of the best stock in Canada, we can guarantee our pens made up as follows:

White Minorcas—Pen headed by 1st prize trio, which scored 96, 93, 91½ by Judge Bicknell at Montreal, '99, show.

Buff Plymouth Rocks—Pen headed by imported cock and four 1st prize pullets in Ontario shows; buff Cochins—pen headed by C. C. Shoemaker cockerel mated with females scoring 92, Montreal.

Our Silver Wyandottes have been prize winners for last ten years; white Wyandottes headed by 1st prize, at Quebec Provincial, '98; barred Rocks, the Thomson-Hawkins cross. Black Minorca pen headed by pure Northup cockerel to Duff females.

Also extra Buff Pekin Bantams and Partridge Cochins, etc.

Eggs for Sale from first four varieties \$2.00 per 13, \$3 per 26; all other varieties \$1.50 per 13, \$2.50 per 26. Write a card for full information.

H. CROSS & CO.,

LONGUEUIL, QUE. 399

TWO OF GRANDEST PENS EVER mated—S. C. B. Leghorns, pen headed by grand cock, winner 1st cockerel, Ontario, 1st cock, London. Has won 10 firsts for last two years in succession at leading shows. Has grand shape and size; best striping in hackle and saddle 1 ever saw, firm, upright comb; has proved himself a grand-stock bird. With him are 7 females, some winners, and are as good as the best. Eggs \$1 per 13. **BLACK MINORCA** pen, headed by grand male, a typical Minorca, best shaped and best colored bird I ever saw, comb upright, firm and evenly serrated, good wattles, large, pure white lobe, with him are two pullets; weight 7 lbs., and one hen, have fine long backs and are second to none. Limited number of eggs, \$1 for 13. Some of the best blood in America in my pens. Orders booked now. L. H. Melkejohn, Wellman's Corners, Ont. 599

EGGS FOR HATCHING from Light and Dark Brahmas that won

wherever shown. At London they won three firsts and one second. I also have the light and the dark Brahma pullets that won first prize at Ontario (Toronto) in my breeding pens. Eggs the same as I set myself at \$2 a setting.

399 CHAS. B. GOULD, Glencoe, Ont.

3100 Cyp for Best Leghorns Cock
New York
Empire State Farm.
BROWN LEGHORNS.
ROCKS
CEO. H. BURGOTT.
BROWN LEGHORN SPECIALIST
NEW YORK AND BOSTON
NEW YORK AND BOSTON
NEW YORK AND BOSTON

EGGS FOR HATCHING \$2 per 13.

ARNOLD'S BUFF LEGHORNS.

Our strain is the oldest and best bred in America have won more prizes than any one breeder. We only show in the largest shows of the East. Eggs from our best yards \$5.00 per 15, \$9.00 per 30, \$12.00 per 45; other line yards \$2.00 per 15. We guarantee 10 chicks to each setting.

Buff Plymouth Rocks.

We have decided to sell eggs from only our best yard. The females in this yard are extra in quality and headed by the noted cock "Roman Chief," who is considered by all who have seen him to be the best cock in America, and has sired some of the best cockerels and pullets ever seen in this country. This yard cost us a small fortune and in order to reduce the price we shall offer a few settings of eggs from this yard at \$5 per 15.

Aug. D. Arnold, Boxes 77 and 78, Dillsburg, Pa.

LUCKNOW Poultry YARDS

If you want prize-winning

Polands and Hamburgs

Try Wm. Carter, Constance, Ont.

FOR BLACK RED AND BROWN RED GAMES

of the best imported strains, you cannot better yourself than by giving your orders to

C. A. WELLS, Goderich, Ont. BUT IF YOU WANT EGGS

from Buff and White Cochins, Light Brahmas, Black Langshans, Black Spanish, S. J. Wyandottes, Red Caps, Barred Rocks, White and Buff Leghorns, and Pekin Ducks that will produce a large percentage of winners, of course you will try LYONS. Our matings for 1901 are the best we ever owned. We breed from only the best strains procurable. Our stock won 300 prizes the past season. Satisfaction guaranteed. EGGS \$1.50 per 13, DUCK EGGS \$1 per 11. For further information address J. C. LYONS, Lucknow, Ont.

MINORCAS

No more stock for sale.

Eggs from two Pens

from imported stock and my winners at Industrial and Ontario shows, \$2 a setting.

R. Durston, 42 Austin Ave.

TORONTO.

CHAS. BONNICK,

EGLINTON, ONT.

BREEDS

Brown Red Game Bants,
Buff Cochins Bants,
Buff and White Rocks,
Black Leghorns

Stock is all AT BIRDS AND EGGS FOR SALE at all times. Correspondence cheerfully answered. WRITE FOR PRICES.

BUFF ROCKS At Newburg N. Y. January, 1899, we entered three birds and won first and special on cock, first on hen and first on pullet.

We breed Buff Plymouth Rocks Only.

EGGS \$1.50 PER 13, \$2.50 PER 26.

Ford Bros.

OAK HILL, N. Y.

Mention CANADIAN POULTRY REVIEW.

My 1899 Matings are Superior

to any of my former. My birds have shown their quality by receiving HIGH SCORES and WINNING HIGHEST PREMIUMS in first-class company. My LIGHT BRAHMA PEN NO. 1 is headed by an imported Higley cock, a grandson of Ben Bolt. Pen No. 2 is headed by an imported Rawlings Bros. cockerel. GOLDEN WYANDOTTE PEN headed by the third prize cockerel at the recent Ontario show. GOLDEN SPANGLED HAMBURG PEN, by a 91 point cockerel. My SILVER POLAND and ANDALUSIAN PENS are each headed by high-scoring males. All these birds are A1 specimens and are mated to excellent females. EGGS \$2 per 13. Drop a card for my circular before purchasing elsewhere. RALPH WILLIAMS, Ingersoll, Ont.

MAPLE CITY POULTRY YARDS.

W. A. WILSON, Proprietor.
Box 584 Delaware Ave., Chatham, Ont.

EGGS FOR HATCHING.

BLACK MINORCAS—A few more settings at \$2; best English breeders, Abbott Bros., Simon Hunter and Pitt.

S. C. WHITE LEGHORNS—Best English and American breeder, Knapp Bros. and Simon Hunter, \$2.

R. C. BLACK ORPINGTONS—A limited number at \$3, from the originators, J. W. Cook and Simon Hunter.

GOLDEN SEBRIGHT BANTS—\$2.
IMPERIAL PEKIN DUCKS, Jas. Rankin strain, \$2.

Buy your Eggs

FROM

THORNCROFT POULTRY FARM

Dark Brahmas, Partridge Cochins, Barred Rocks, Brown and White Leghorns, Golden and Silver Polands, Houdans and S. S. Hamburgs. Our stock in the hands of customers

Have won highest honors

at the best shows in Canada, from New Brunswick to British Columbia. EGGS \$2 per setting, 3 settings \$5. A GOOD HATCH GUARANTEED. Stock for sale. Our patrons our reference.

WM. C. WILSON & SON, East Oro, Ont. 399

Trout Run Poultry Yards

Must be Sold at Once

Three black, 3 buff, 2 Partridge Cochins cockerels 1 light Brahma, 2 black Minorcas and one silver grey Dorking cockerels, also 50 YEARLING HENS AND PULLETS of the following varieties, all bred direct from imported stock and high class exhibition birds. My yards contain some grand English and American birds. Orders booked now for eggs at \$1.50 per setting, or two settings for \$2.50, from the following varieties, buff, white black and partridge Cochins, light and dark Brahmas, white and black Minorcas, silver grey Dorkings, B.P. Rocks, gold bearded Polish and Mammoth Pekin Ducks. Special rates for large quantities for incubators. Also high class prize winning Avy-shire cat for sale either sex for sale. For particulars write WILLIAM THORN, 133 N. 10th, Ont.



SHOEMAKER'S POULTRY BOOK

and Almanac for 1899. 160 pages. 100 illustrations of rows, 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.

J. C. Shoemaker, Freeport, Ill., U. S. A.

Riggs's Eggs Hatch
Barred Plymouth Rocks
\$1 PER SETTING. Guaranteed fertile.
Alfred Riggs, Charlottetown
P. E. I.

AMERICAN LEGHORN CLUB CUP

The accompanying illustration represents one of the American Leghorn Club Cups, of which five have been won and awarded the past winter to the following members of the Club: E. S. Saundser, Chicago, Ill.,



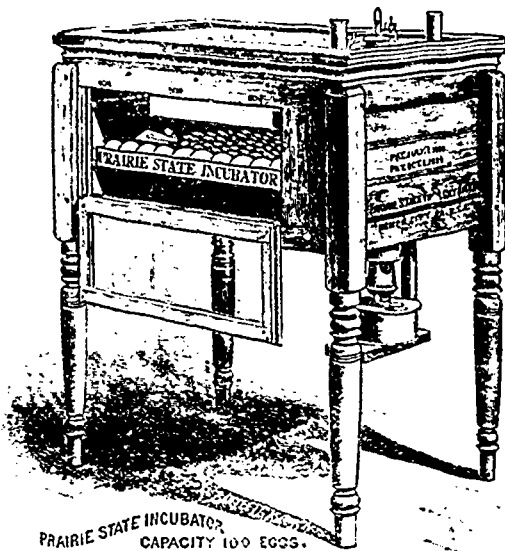
one, W. E. Bright, Waltham, Mass., one, Ezra Cornell, Ithaca, N. Y., two, George H. Burgott, Lawton's Station, N. Y., one. Total valuation of cups \$150.

GEO. H. BURGOTT, Secretary-Treasurer.

THE PRAIRIE STATE INCUBATOR COMPANY.

We herewith illustrate a cut of the famous Prairie State Incubator that is so well and favorably known throughout the United States and Canada as a machine being used exclusively on some of the largest poultry and duck farms in the world. On some of these large farms from forty to sixty 300-egg machines are used year after year to hatch out thousands of chickens and ducks that are marketed throughout the season. After a careful test on the U. S. Agricultural Experimental Farm at Washington, D. C., the Prairie State Incubators and Brooders were adopted and are now used exclusively at that well known institution. In addition to these two strong recommendations, the machines have been awarded 307 first premiums all

over the United States as well as Canada. Their machines have also been put on exhibition in foreign countries and have been awarded the highest honors in the way of gold medals, diplomas, etc., etc. The Prairie State people claim to be the largest manufacturers of incubators and brooders in the world.



Starting in the business about eleven years ago, putting a good machine on the market, looking after their business closely, and treating their customers fairly, they have now erected at Homer City a plant that is fully equipped, and incubators and brooders are manufactured at the rate of 50 to 60 machines per day. This company enjoys a splendid reputation and any of our readers who contemplate purchasing machines for the coming season should not fail to address the Company for catalogue and supplement, giving a complete description of their style A and style B machine. Write them at once and catalogue will be sent you. Prairie State Incubator Company, Homer City, Pa.



"Champion Strain"
Single-comb

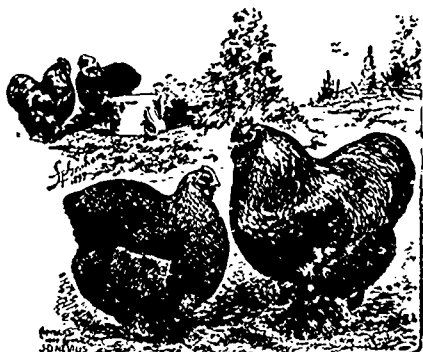
SNOW-WHITE
LEGHORNS,

Owned by
John Ramsay,
Owen Sound, Ont.

THOS. C. ALLEN.

J. D. NEVIUS.

LYNNHURST POULTRY YARDS.



Breeders and Importers of BUFF, PARTRIDGE, WHITE and BLACK COCHINS and JAPANESE BANTAMS.

Yards, Glassboro, N.J.

If the best is none too good (and we certainly believe this) then why not buy fowls and eggs where you can get the best, we believe we can furnish them but if you doubt it then buy where you are sure of getting the best. Our birds do not all score from 91 to 97 points (we wish they did, nor will they produce only prize winners. Our records in the show room the past five years may not prove the superiority of our stock but who can show a better. A two cent stamp with your name and address plainly written and sent us will bring you our beautiful illustrated catalogue and price list giving in detail when and where the following prizes were won, viz. 346 1sts, 88 2nds, 86 3ds, 19 4ths and over 50 specials.

We want your patronage and will in all cases give you entire satisfaction.

Address all communications to

LYNNHURST POULTRY YARDS,

J. D. NEVIUS, 403 Provident Building, Philadelphia, Pa.

Publisher's Notes.

(Continued from page 168.)

"Ramsay's champion strain of snow white S.C. Leghorns" have a prominent position in this month's REVIEW. Mr. Ramsay has so fully set forth the grand list of awards received by his birds at our biggest shows that he leaves little for us to do but draw attention to it. He has eggs for sale from two pens and should have no trouble in disposing of all he can spare.

On the front cover page will be found an attractive new ad. of Pan-a-c-a and Instant Louse Killer. These goods are well established and have proven themselves of great value. The best breeders use them. They can be had on either side of the line.

N. H. Smith makes a large display this month and is specializing the popular egg layer, the black Minorca. He has several pens and has lately added some good stock of which he gives particulars in his announcement. In addition to these he breeds barred Rocks and white Leghorns and can supply all kinds of bee supplies, also Berkshire hogs. His new price list may be had for the asking.

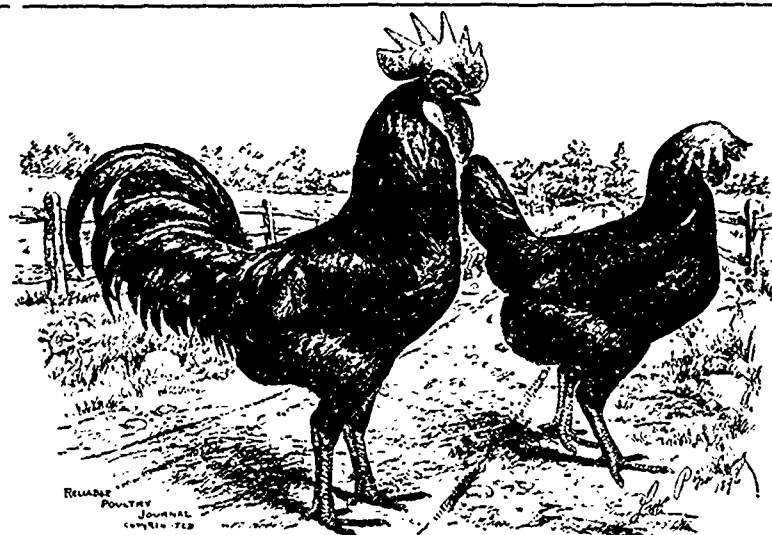
C. J. Daniels has something special to say about incubators in his page ad. in this issue. It will pay you to turn it up and read it.

He also uses a half page to give Lee's Lice Killer prominence. He uses some most flattering testimonials as to its efficacy as a vermin destroyer that will repay perusal. The lice season will soon be on us and it is well to be prepared for it. This may be had in any size cans.

Lynnhurst Poultry Yards are well known breeders of Cochins and Bantams and send a neat little catalogue on application, giving a list of their varieties and some of the winnings of their birds. They advertise in this issue of REVIEW and any one interested should write them for particulars. Send a two cent stamp with name and address.

Arnold's buff Leghorns and buff Plymouth Rocks. See change of ad. in this issue. Eggs and birds for sale.

Mr. Alf. Brown, Picton, has invented machinery to successfully separate the clover leaf from the coarser parts of the plant and grind it into meal for poultry feeding, both laying and growing stock. We believe he is the first to undertake this process although two firms in the U. S. are grinding up the whole plant for the same purpose, but this is a more concentrated form and a more suitable feed as it comes nearer to summer conditions, as the fowl at liberty only eats the leaf and finer parts of the plant.



BLACK MINORCAS

Imported Pure Scott Strain.

BLACK MINORCAS

I have just bought the yard of Black Minorcas of George A. Sayers, Chatham, and I can furnish eggs from this yard, 15 eggs \$1.50. I have also bought a black Minorca cock, imported from Abbott Bros, England, costing \$17, which will head one of my breeding pens. I will have fine pens of Minorcas. Can furnish all the eggs from as fine stock as there is in Canada.

IMPORTED PEN OF B. P. ROCKS.

Costing \$25.00, headed by the Champion "Boy". Eggs from this pen \$2 for 15. Eggs from nine pens besides this. Three pens B.P. Rocks, Lefel and Thompson strains. Three pens large improved White Leghorns, Knapp Bros and G. M. Smith strains. Eggs for hatching from all these pens: No. 1 pen, Rocks, \$1.50, Nos. 2 and 3 \$1; No. 1 pen, white Leghorns, \$1.50, Nos. 2 and 3 \$1; 15 eggs to a sitting. Birds in all these pens score 95 to 98 points. Also all kinds of Bee Supplies and Berkshire Hogs. Write me for what you want and I will try to please you if possible. Send for new Price List now out. Eight fine cockerels in Rocks, Minorcas, white Leghorns cheap. Must be sold. Get your orders for eggs in early. Warranted to please or money refunded.

N. H. SMITH, Lock Box A, Tilbury, Ont.



THE CRIMSON RAMBLER.

Your Choice

A Strong Plant of the Famous Yellow Rambler; or the Pink, White, or Crimson Rambler

ROSE

and the following collection of Leading Seed Novelties

For a Quarter

- 1 Aster—New branching; looks like large, graceful chrysanthemums, white, pink, yellow, lavender, etc.
- 2 Amaranthus—A wonderful foliage plant.
- 3 Pansies—A novel collection, mixed; try it.
- 4 Palm—Weeping; not injured by coal gas, very hardy.
- 5 Chrysanthemums—Double Hybrids; white, yellow, crimson, lilac, bronze, etc.
- 6 Dahlias—Some of the finest we have seen have been grown from seed the first season. Start indoors March or April.
- 7 Cannas—Famous new sorts; will bloom first season.
- 8 Japanese Hop—A vine of striking beauty; will cover a porch in one season; oddly marked leaves.
- 9 Hollyhocks—A brilliant assortment; striking colors.
- 10 Nasturtiums—1899 novelties, mixed; dwarf.
- 11 Alyssum—Little Gem; 600 flower spikes to plant.
- 12 Mignonette—Fragrant flowers all the year round.
- 13 Sweet Peas—A grand mixture; large packet.
- 14 Geraniums—From seed the first season. Extra rose plants, 15c each; two for 25c. Send us an order for five of these collections and we will send you one ABSOLUTELY FREE.

Agents Men and women wanted in every town to handle our seeds, plants and nursery stock. Liberal Terms. Catalogue Free.

Osborne Stoddard Co

MADISON, New Jersey.

609

BARRED PLYMOUTH ROCKS.

In the pen a cock and four pullets, purchased and selected for me by the well-known poultry expert, Mr. Jarvis, of the Ontario Agricultural College, Guelph, who has also acted as judge for many years in the leading poultry shows of Canada and the United States. The cock is Thompson, bred at Canton, Ohio, it won 1st as a cockerel. Again under Bridge it this year tied for first place for cock in very strong competition. One pullet took 1st at Canton, Ohio, the other was one out of the pen which took first for the best breeding pen. The cock was also pronounced 1 by Mrs. Comyns-Lewer, editor Feather World, London, Eng., who visited the great Toronto Poultry Show this year, as the most perfect type of the Barred Rock she had seen on the American continent.

Settings: 13 eggs, \$1.

Buff Rocks, choice 13 eggs, \$3.

Address R. F. HOLTERMANN, Editor "Canadian Bee Journal," Brantford, Ont., Can. If

The Advertiser's Help

TO WEALTH

Vol. 1.

TORONTO, APRIL, 1899.

No. 4

SPECIAL FEATURES

of the CANADIAN POULTRY REVIEW:

Department on "Practical Poultry," conducted by A. G. Gilbert, Manager Poultry Department, Dominion Experimental Farm, Ottawa.
Department for "Turkeys, Ducks and Geese."
Department for "Bantams."
Department for "Incubators and Brooders."
Department "With Uncle Sam" (U.S. news).
Department "Poultry Ailments."
Colored Plates, Numerous Illustrations, all Show News, Prize Lists, etc.
The best articles written by the best men.

OUR MOTTO.

"What we have we'll hold, and what we have not we'll hustle for."

We have received so many testimonials the past month that there is difficulty in choosing which to get in.

Following this will be found A FEW OF RECENT DATE. We use no chestnuts nor old timers. THE REVIEW IS SELLING TO PRESENT DAY BUYERS and can sell for you.

CACKLE.

All the year round advertising tells. You can't expect to close up for six or nine months and succeed.

This is the egg season. Do you know it? Try an adv. in May.

June is the Bantam month. You should not miss it if you have Bantam eggs for sale.

Say what you have to say plainly, use no Greek or Latin terms. Make your "ad" speak.

S. C. LEGHORNS.

Eggs from my own pen of winners.

BROWN.

1st and 2nd hen and 2nd pullet, Guelph, '97; 3rd hen, Brantford; 3rd, tie, Ingersoll. And their select progeny mated with a grand cock bird, well striped. A typical Leghorn, perfect in shape, winning 3rd prize at the late Brantford Show in a hot class.

BUFF.

1 and 3 hen, Ingersoll, '97; 2 hen, Brantford. Solid Buff from top of head to end of tail. And other good Buffs, same blood as the winners. The 3rd prize Buff Leghorn cock at the late Brantford Show heads this pen, both surface and under color a good Buff. A limited number of eggs from above pens, \$1.50 for 15, or 30 eggs for \$2.50. A good hatch guaranteed.

All the above stock hatched and reared on my own place.

W. J. PLAYER, Nassugaweya, Ont.

You may be descended from an old Spanish family or your forefathers may have come over in the Mayflower, but people who want to buy stock or eggs don't care about that. What they want to know is what stock you have, where they have won and all about them, and your prices.

NO CHICKS IN THESE. Note Dates.

London, March 14, '99.
I have had a very good season, made quite a number of sales, and orders still coming in. "thanks to REVIEW." Thos. M. Mullen.

Chatham, March 13, '99.
I am very much pleased with the business I have done on account of REVIEW. W. A. Wilson. Tavistock, March 1, '99.

Since writing you I have had great success with my ad. in REVIEW. It is the best advertising medium I know of. I have had good success every time. Isaac J. Rank.

Delhi, March 17, '99.
Thursday I sold two buff Cochins cockerels, one B.P. Rock, and a setting of eggs from my prize Rocks, all to breeders. Not bad for one day, thanks to REVIEW. W. Penberton.

Fisher's Island, N.Y., March 11, '99.
We are receiving quite a number of orders for eggs from Canada. J. F. Crangle.

Pickering March 9, '99.
I must say my little ad. is a "buster." My hens will now have to lay just about two eggs each per day to fill the demand if it continues like this. Yesterday and to-day I have received orders for 226 eggs, and other enquiries as well. Two enquiries for Brahmas, and sold the cock for a good price already. W. J. Gordon.

Lynedoch, March 13, '99.
We have had a good winter of sales, orders now coming in for eggs, many thanks to the REVIEW. It is also a good poultry paper—there are lots of good things in it that the progressive poultryman needs to know. William Thorn.

Ottawa, March 20, '99.
Have sold a great many birds, thanks to the REVIEW. A. P. Mutchmor.

Address H. B. DONOVAN, Publisher, Toronto.

ACTIVE SOLICITORS WANTED everywhere for "The Story of the Philippines," by Murat Halstead, commissioned by the Government as Official Historian to the War Department. The book was written in army camps at San Francisco, on the Pacific with General Merritt, in the hospitals at Honolulu, in Hong Kong, in the American trenches at Manila, in the insurgent camps with Aguinaldo, on the deck of the Olympia with Dewey, and in the roar of battle at the fall of Manila. Bonanza for agents. Brimful of original pictures taken by the government photographers on the spot. Large book. Low prices. Big profits. Freight paid. Credit given. Drop all trashy unofficial war books. Outfit free. Address, H. L. Barber, Gen. Mgr., 356 Dearborn street, Chicago.