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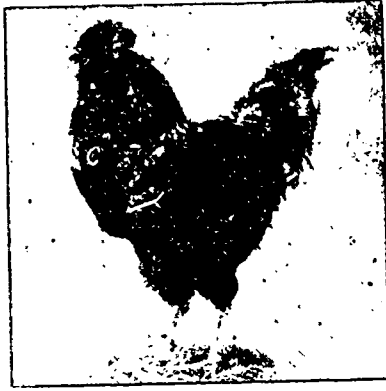
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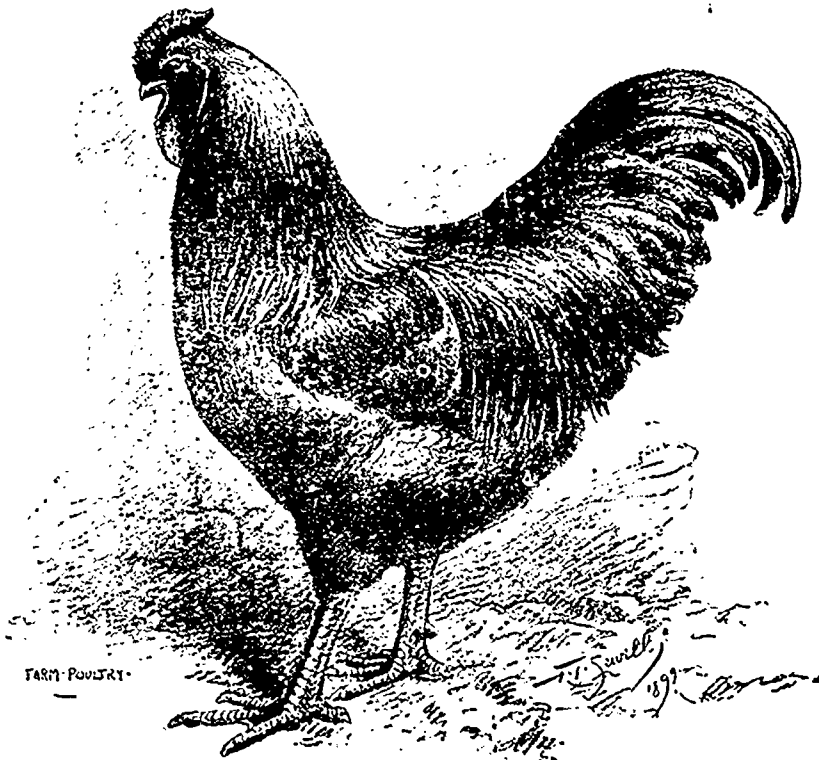
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THE CANADIAN POULTRY REVIEW

DEVOTED TO

POULTRY, IN ALL ITS BRANCHES

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

VOL. XXII.

124 VICTORIA STREET, TORONTO, MAY, 1899.

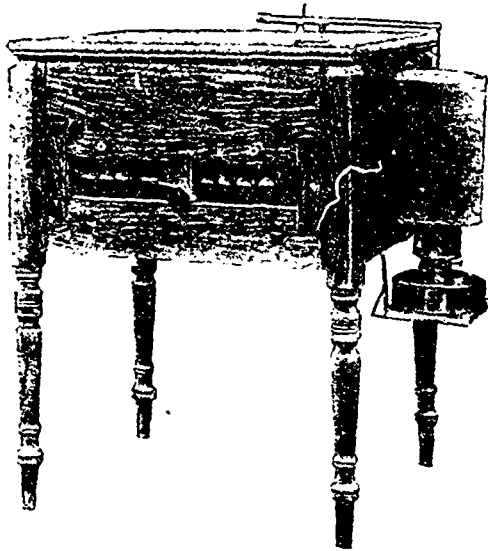
No. 5

Incubator & Brooder Department



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

THE TORONTO INCUBATOR.



120 EGG "TORONTO" INCUBATOR.

THE "Toronto" Incubator is a double case machine and is constructed of thoroughly seasoned and kiln dried white pine. For the inside case this wood is more suitable than any other, as it is less liable to warp, twist or split under the constant heat.

The doors are extra heavy, being made from $1\frac{1}{4}$ in. white pine dressed to $1\frac{1}{8}$ in. with double glass and dead air space between, the frames being mortised and tenoned and glued together. We only know of one incubator in which the doors are as heavy, all the others use $\frac{7}{8}$ in. stuff for the frames. Cases are finished in oil to bring out the natural grain of the wood, shellacked and varnished, and make a handsome piece of cabinet work.

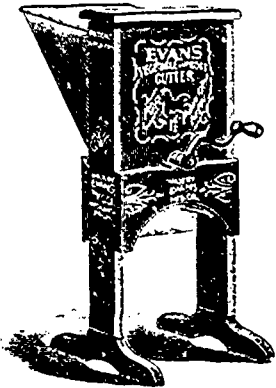
SYSTEM OF HEATING.

The "Toronto" Incubators are heated by pure warm air, the heat is produced by a galvanized iron heater placed on the outside of machine, which is kept hot by a single burner coal oil lamp. The heater works on the same principle as a hot-air furnace used for heating dwelling houses, the cold pure air being drawn into the heater and transformed into hot air by coming in contact with the heated metal. It then passes into the hot air chamber situated in the upper part of the machine which is so arranged that the heat is evenly distributed over the entire surface before it passes into the next chamber, which is immediately above the egg chamber.

The hot air chamber above the egg chamber is separated from it by a porous metallic partition or heat deflector which passes the hot air into the egg chamber

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, selling 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 hatches, 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.



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No. 5.

Price \$5

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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.



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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.

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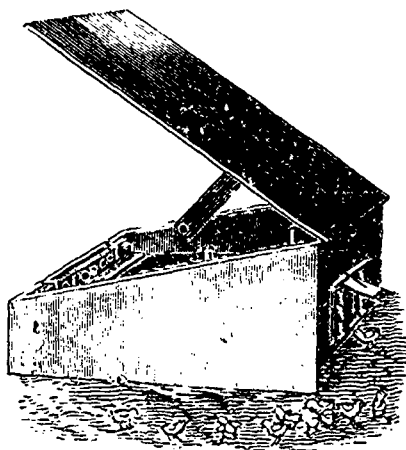
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C. J. DANIELS, 221 RIVER STREET, TORONTO

around the outer edges of the chamber only, none of the heat passing direct into the centre of the egg chamber. The advantages of this system of distributing the heat will readily be understood, the egg chamber of an incubator has to be maintained at a uniform temperature of $102\frac{1}{2}$ degrees and at the season of the year when the machine is mostly used the temperature of the room where the incubator is being operated, will probably not exceed 50 degrees, this is a difference of over 50 degrees between the inside of the egg chamber and the temperature outside of the machine, the consequence of the disparity in the temperatures of the egg chamber and the room being that the egg chamber is constantly losing heat, and in all incubators where heat is passed direct to all parts of the egg chamber alike, the temperature will be found higher in the centre than at the outer edges.

“TORONTO” OUT DOOR BROODER.



Many people have an idea that any kind of a hot box will do for a brooder, a greater mistake was never made, as many people have found to their cost. It is just as important to have a good brooder as a good incubator.

The “Toronto” Out Door Brooder is substantially built of pine and finished with two coats of paint, the maker claims that it will keep the chicks warm and comfortable in any kind of weather, that the lamp cannot blow out, the ventilation is simply perfect, and it is impossible for the chicks to crowd or become over-heated. The brooder is equally as successful for indoor work. The price is very moderate.

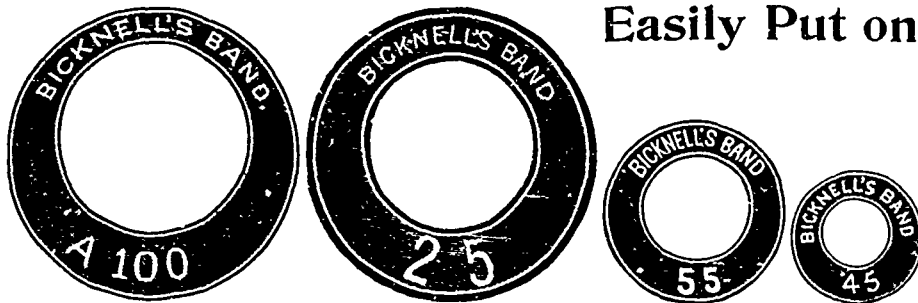
ARTIFICIAL INCUBATION.

SOME INTERESTING RESULTS AND THEIR SUPPOSED CAUSES.

BY H. J. WOOD, HULL, QUE.

I THINK that in this closing letter I cannot, perhaps, do better than give some particulars of a hatch just concluded in the small incubator with which we had such great success last year. Its capacity is only 50 eggs, which were, on this occasion, made up as follows: There were 26 of our own taken from two pens of barred Plymouth Rocks, in one of which there were nine pullets 11 months old with a cockerel of the same age, in the other there were nine pullets of 11 months old with a male of about 20 months old, all unrelated; of these eggs all were found fertile when tested on the seventh day of the hatch, but at that time one germ from the cockerel pen was dead. The other 24 eggs were from a friend and had been laid by black Minorca hens of ages varying from nine months to three years headed by a male of about 20 months; these also, were all fertile when tested on the seventh day but had among them five dead germs. Of these 24 Minorca eggs we hatched only six, or 25 per cent., while of our own 26 we hatched 19, or 73 per cent. The temperature of the machine was fairly uniform throughout the hatch, excepting that upon the 14th day it wobbled considerably between $^{\circ}101$ and $^{\circ}105$. As to the air space, we had great trouble in getting the eggs to evaporate quickly enough, not putting in any moisture until the 19th day when we put in a little, and even that I think we should have done better to have left out, as there were nine chicks left dead in the shell with the yolk only partly absorbed, which latter fact is usually an indication of imperfect development, caused sometimes, and I think in this case, by insufficient evaporation, which in its turn was probably caused, as I said before, by the cooking and laundry work of the household being done in the house so charging the air with moisture that it could not quickly enough absorb the moisture from the eggs. It cannot be too strongly emphasized that proper evaporation is the very keystone of success in artificial hatching. So far, so good, we conclude that want of evaporation, indicated by too small an air space, caused by moisture loaded air, prevented our chicks from properly hatching, so leaving in the case of nine of

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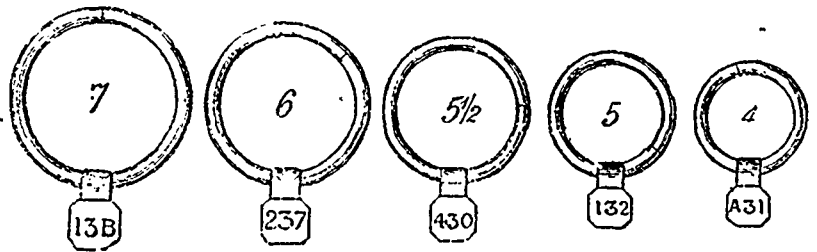
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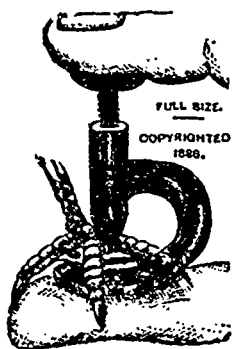
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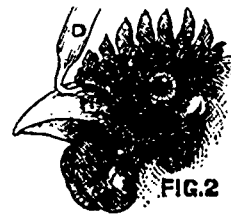
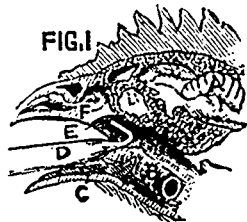
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them the yolk only partly absorbed, but, how about this other fact that while 73 per cent. of our own eggs hatched, yet, in the same machine at the same time and so, of course, under absolutely the same conditions only 25 per cent. of our friends eggs hatched. The first thing that strikes me is this, supposing this machine had been exclusively filled with our friend's eggs there would then only have been 12 chicks instead of 25 and the machine would have been in danger of condemnation as useless. If, on the other hand, it had been entirely filled with our own eggs there would then have been 36 chicks instead of 25 and the machine would have been deservedly commended as a good hatcher. There is, therefore, made very clear by this, the truth of the statement made so often that good or bad results will be obtained from incubators in exactly the same proportions as the eggs themselves are good or bad, and it is also clear that whatever lessons are to be drawn from our experience in this hatch are to be gained from consideration of the eggs rather than of the machine which is evidently above reproach.

The eggs from our friend were laid by hens which have the habit of winter laying bred in them, some of them, and of their parents having repeatedly laid five large eggs in six days in very severe winter weather. This winter, however, they did not begin until after Xmas, but since beginning to lay they have laid steadily and well about 25 per cent. of the total number of hens. There are about 25 birds kept in a very warm stable where there is also a cow, they have been fed altogether on oats and the table scraps from a family of about 10 individuals. They have had a run out of doors on every sunny day throughout the winter and are taking them "big and large" as our sailor friends say, about as healthy a lot of birds as one would wish to see, free from lice and very vigorous; there is only one male, a very good R.C. black Minorca of age as before stated. It may be thought that only one male to 25 hens was the cause of the comparative weakness of the germs, but we had good results last year from one male to 50 hens. I cannot find a cause for the weakness of the germs myself, I can only state the facts as they appear to me and would be glad if some fellow reader would take up the parable and explain what was the weak point in the treatment of these layers which caused the weakness

of the germs. Remember, 24 eggs all fertile, yet only six, or 25 per cent. hatched, against 73 per cent. of other eggs in same machine at same time. As to these other eggs from our own pens, the characteristic which has struck us most forcibly is that neither they nor their immediate ancestors have been any good as winter layers. Our experience with them this winter has been most peculiar, they started to lay the 5th of last September, laid for three weeks and quit, not beginning again until the 12th of January, when eggs just dribbled along until the end of March when they began to lay and are now laying in earnest. They have been from the time they were hatched well fed and cared for and have always had perfect health. Of all the possible causes that there may be for the better success we had with their eggs there are just three that suggest themselves to me and they are as follows:—

First—In the case of our friend's eggs the feed has been simply oats while our hens had oats and barley for grain feed and a good mash of provender, bran and clover, with plenty of animal food. Is it not possible that while birds bred from a laying strain will continue laying for a long time, yet if their laying depends simply upon the inherited tendency and they are not fed egg producing material, the eggs will suffer in the strength of the germ and that particular strain would very soon cease to reproduce itself. If this conclusion is correct then we should not infer that our rations are right simply because the egg yield is large, we may be killing the goose that lays the golden eggs, and the coming season would show us our error. It is, I think, an undoubted fact that moderate egg production and strong germs will pay better than extravagant egg production and weak germs.

Second—The hens whose eggs did not hatch well were kept in a stable and it is probable that the said stable was never very much above freezing at the time these eggs were laid, it is also a fact that they were only gathered twice a day, viz., morning and evening, it is therefore very likely that they were chilled, not enough to prevent the germs from starting, but yet, enough to weaken them so that they died before the hatch was completed. In our own case we tried always to keep the temperature at about 45 and the eggs were gathered very soon after they were laid, I do not

R. J. EDWARDS.

CHAS. F. WAGNER

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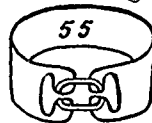
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suppose they ever were more than half an hour in the nest before they were taken out.

Thirdly, we have all noticed that a hen usually lays a clutch of eggs varying in number according to her breed and disposition. Our friend's hens had been laying for some time, while ours, so to speak, were just beginning, the weak germed eggs were therefore, at the end of the clutch and the well hatching eggs were from the beginning of the clutch, and I believe this has a lot to do with the strength of the germ, it certainly would not be impossible for an observant poultry man to utilize this fact, if fact it be, as a means of securing stronger germs.

This is about all I have to say at this time. I don't know with what degree of patience my fellow readers have been able to read my effusions from time to time. I hope someone may get some help from something I have said, anyhow for my part I most earnestly hope someone else will now take the floor and give us some particulars of their success or failure in artificial hatching. We, ourselves, expect to incubate about 700 eggs between now and the end of May, and if, at the end of the season, the patience of the kind Editor of this journal is not exhausted I will give the results of our work, until then, "Au Revoir."

[It is, perhaps, unnecessary for us to say how glad we shall be to have Mr. Woods' further experience. His articles we have found most interesting and intelligent and such, we are sure, has been the experience of REVIEW readers.—Ed.]

VIBRATION AND INCUBATORS.

THE experience of an English breeder as given in "Poultry" will be of interest. Mr. McIntosh raises some questions that we should like to see freely discussed.

Does vibration injuriously affect the hatching of chickens in incubators? This is really a puzzling question. There are so many obscure influences at work to cause failures in the working of even the best machines, that it is not often easy to put one's finger on the real cause or causes of a bad hatch. Mr. Sutcliffe in his scientific and suggestive little work "Artificial Incubation and Its Laws," says nothing about vibration, possibly because he does not put any importance upon it. If that is his reason perhaps he

is right. It is somewhat difficult to see why vibration should be disastrous, and if it is so, why it is so only in the case of artificial incubation? I may be wrong, but I do not remember ever hearing that vibration injuriously affected natural incubation. Many readers must have considerable experience in hatching naturally in localities where the ground is subjected to vibration owing to its proximity to railway lines, or otherwise. Perhaps some of them may give us the benefit of their experience.

Two or three years ago I had the opportunity of seeing an incubator fixed up in a novel style for the express purpose of overcoming the vibration difficulty and the owner of it claimed that his device completely neutralized vibration. I purchased the incubator from him, device and all, and I must say its hatching results have been highly satisfactory. It is impossible to say, however, that the curing of vibration had anything to do with its results while in my possession, as there was little or no vibration where I had the incubator set. A friend of mine, who used an incubator quite near to a main line of railway, where there was a great deal of vibration, adopted the device, and experienced a great improvement in his hatching results, especially in a marked diminution in the number of cripples among his chicks. His experience has given him great faith in the device to which I refer. Still, it is possible his improved results may have been merely the consequence of greater experience in the working of his machine.

Shortly, the device is to refrain from setting the machine solidly on anything, but to swing it; and the way it is done is to make a square wooden frame to go all round the machine a few inches away from it on each side, then to fasten two ropes to one side of the frame and carry the ends and fasten them securely to the other side. The ropes must be of equal length, and should hang pretty slack. The incubator is then placed on the ropes, where it gently swings.

The argument used by the original owner of the incubator was that swinging or swaying could do no harm to eggs, as was proved by the fact that so many wild birds built their nests in trees where they swayed continually. Of course a good answer to this is that other wild birds (swallows for instance) habitually build their nests in walls which are subject to severe vibration, with no apparent injurious results. This

brings us back to the original question, if vibration is not injurious to the hatching of eggs incubated naturally, why should it be so to eggs incubated artificially?

I carry on artificial hatching on too small a scale to have any faith in my observations, but many hatch extensively, and perhaps some may think it worth while to experiment on the question, and report results in these columns.

There is another matter connected with artificial hatching I am curious about. I see it frequently stated that eggs should never be more than a week old when put into the incubator. I have often put them

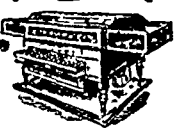
in much older than this, sometimes nearly three weeks old, and I have never noticed any difference in the hatching results as between these eggs and quite fresh ones. Is this a common experience?

ALEX. MCINTOSH.

ARTIFICIAL HEAT.

EDITOR REVIEW:—

I HAD thought not to say any more re eggs or incubation in your valued paper at this stage, but I should like just to ventilate my opinion in respect of your answer to a fellow reader in the April issue,




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

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H. B. DONOVAN, - - Toronto

who asks if artificial heat is necessary in a hen house, and you reply, "No." Now, this answer is contrary to our experience, which is that hens will not do their best if kept in a house so cold that their drinking water will freeze, and further, I am nearly certain that eggs exposed for any time to a temperature of below say °45 will be so chilled and the arrangement of the albumen so broken up, that they will be rendered altogether incapable of producing a living chick, and for my part I would rather have 50 eggs that will hatch than 100 that will not.

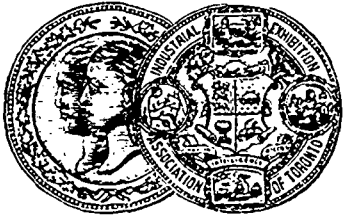
I apologize for again trespassing on your valuable space, but my opinions on this subject are very strongly formed.

Yours faithfully,
H. J. WOOD.

Hull, P. Q., April 18th, '99.

[We are glad Mr. Wood gives us his opinion. Our experience has led us to believe that where the house is dry, and warm sleeping quarters are supplied, that heat is not necessary. We did not give an emphatic "No" to enquiry. Mr. Parker's letter in April issue on this question is worth reading.

We agree with Mr. Wood entirely as to the effect of cold on eggs intended for early hatching, but eggs in cold weather should be collected frequently.—ED.]



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My fourth hatch for this season has just been completed, with the following result: 100 eggs, 96 fertile, 96 healthy chicks.
[Signed] L. H. Baldwin.

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T. A. WILLITTS, 514 DUNDAS ST., TORONTO, ON T



GOOSE BREEDING.

(Continued.)

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 following comprehensive and complete account of the goose business, as conducted by one of the largest breeders in the State, is based upon figures kindly furnished by him. The breeding stock kept, the number of goslings raised each year, the price at which they were sold, and the product per goose in goslings and cash, are given below.

Year.	Total number geese kept.	Females.	Males.	Number of goslings sold.	Average price.	Total value.	Average product per goose kept.	No. goslings.	Value.
1890....	57			383	\$1.135	\$431.70	6.7+	7,626	
1891....	57			495	1.091	511.53	8.6+	9,509	
1892....	57			125	1.150	488.75	7.1+	8,574	
1893....	57			310	1.175	364.25	5.4+	6,390	
1894....	75	56	19	235	.815	191.52	8.1+	2,553	
1895....	63	52	16	450	1.250	562.50	6.6+	8,272	
1896....	66	50	16	478	1.090	521.02	7.2+	7,891	
1897....	66	50	16	482	1.210	597.68	7.3+	9,055	
Average for eight years					\$1.118+		6.5+	\$7.483	

In the fall of 1893 the entire breeding flock was sold, and a new flock purchased for the season of 1894, and the results that year, as compared with subsequent years, show clearly how much less can fairly be expected from young geese, in new quarters, than from

those a little older and well established. The average product per goose for the eight years was \$7.48.

FROM GROWER TO CONSUMER.

Aside from the limited number of those who grow mongrel geese, which are destined almost wholly for the Thanksgiving and Christmas trade, and which cannot be so well fattened until cold weather, comparatively few goose raisers fatten and market their own birds. The goslings are usually sold alive at the door to the agents of a few men engaged in the business of fattening and marketing green geese and other poultry. As high as \$2.00 each for well grown, very early goslings, four weeks old, have been paid, but they are not usually sold until the long flight feathers of the wings have made sufficient growth to reach the tail, and they are nine or ten weeks old. If bred from good stock, and they have had the run of a good pasture and some grain, they should weigh at that age 7 to 10 or more pounds, alive, and have well developed fleshy bodies, which will make a good foundation for the fattening operation. The buyers do not care to have the goslings FAT, much preferring to have a good sized, well grown body, produced by an abundance of nutritious green food and a moderate allowance of grain. The process of fattening and preparing for market will be described in the proper place in this report.

We believe that many more geese would be kept by farmers if better opportunities were provided for the sale of the young birds alive, as the operations of fattening, dressing and marketing are such that the breeder of a few goslings cannot economically do the work. Heretofore, the agents of the fatteners have confined their weekly trips to that section of Rhode Island which lies on the east side of Narragansett Bay, where the greater number of the geese in the State are now kept. The town of Little Compton, in the south east corner of the State, had, in 1885, breeding geese to the number of 3,261, out of a total of 8,677 kept in the State, or about 37.5 per cent. of the total number. The shore towns of Washington county are equally well situated for goose raising, but comparatively few are now kept. The following table is interesting as showing what might be done in these four shore towns. The figures are taken from the State census of 1885:



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

HEN Score 96, 1st at the Owen Sound and Ontario Exhibitions
COCKEREL Score 97, Winner of 1sts and 1 Specials at Owen Sound, '98

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 Cockerel score 91½; 1st on Hen, score 91; 1st on Cockerel, score 97; 2nd on Cockerel, score 95½; Pullet, score 95; 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.

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Single Comb Brown Leghorns, White and Buff Wyandottes, Houdans, Rose-comb White and Brown Leghorns, and Buff Plymouth Rocks. The largest stock of the above varieties owned in this country, and the records will substantiate the claim of SUPERIORITY AS TO QUALITY—not records made at the county fairs, but records made in the strongest competition at the greatest American shows—New York, Boston and Washington—where, in the past five years, my stock has been awarded 186 first, 60 gold specials, 18 silver medals, and 6 silver cups. The line of blood I am breeding and exhibiting has produced and is today producing, prize-winning specimens in every section of this country and in many parts of Europe. "Like begets like." Send for illustrated circular, giving full prize record of the leading and most popular strains of above varieties. Satisfaction is guaranteed.

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Trout Run Poultry Yards Must be Sold at Once

Three black, 3 buff, 2 Partridge Cochins cockerels, 3 light Brahma, 2 black Minorca and one silver grey Dorking cockerels, also 51 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 Brahmans, white and black Minorcas, silver grey Dorkings, B.P. Rocks, golden bearded Polish and Mammoth Pekin ducks. Special rates for large quantities for incubators. Also high class prize winning Ayrshire cattle, calves of either sex for sale. For particulars write WILLIAM THORN, Lynedoch, Ont. 1199



MORE PREMIUMS HAVE BEEN WON

by these two strains during the last four years, when competition was hottest, than all others combined. The \$20 cup is included. Our customers are winning right along, and we don't take the honors from them. Eggs from 7 pens of B. Minorcas, 10 in each pen. JUST THINK OF IT! 70 hens shelling out, and not a bad one in the lot. We also have three special matings on separate farms breeding for fall customers. Two vari. ALL EXTRA BIRDS. Every yard has some high scoring ones, and every one, in every yard, has the right blood in it. Come and see us.

Don't forget our Black Cochins Bantams regular miniature Cochins in shape and style. Grand color in males and females. Remember, we are breeding 20 years' experience in the former and 30 in the latter. Breeders and winners for sale.

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, \$2 for 13, \$3 for 25. PACKED TO HATCH Address J. Y. BICKNELL, 314 Vermont St., Buffalo, N. Y., or C. S. WHITING, Darien, N. Y. Poultry Farm at Darien, N. Y. Name the REVIEW. My Score Cards and Rubber Bands will be furnished by the Editor of the REVIEW and duly saved. J. Y. BICKNELL.

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 WYAN DUTTE PEN headed by the third prize cockerel at the recent Ontario show. GOLDEN SPANGLED HAMBURG PEN, by a 94 point cockerel. My SILVER POLAND and ANDALUSIAN PENS are each headed by high-scoring males. All these birds are AI specimens and are mated to excellent females. EGGS \$2 per 13. Drop a card for my circular before purchasing elsewhere. RALPH WILLIAMS, Ingersoll, Ont. 399

	No. of geese kept in 1885.	Total acreage.	No. acres per goose kept.	At 2.93 acres per goose might be kept.
Little Compton	3,261	9,581	2.93	3,261
WASH. COUNTY	.....	.....	.....	.....
North Kingstown	122	17,198	140.96	5,869
South Kingstown	476	11,689	87.58	14,228
Charlestown	207	13,751	66.14	4,691
Westerly	131	16,622	126.88	5,673

The total number of geese kept in the four shore towns of Washington county in 1885 was only 936, yet every natural advantage is as good as in the town of Little Compton, which, though smaller in area than either of the towns mentioned, had 3,261 geese. What the farmers of Washington county or other parts of the State require, in order to successfully carry on the business of goose raising, is a READY SALE FOR THE LIVE GOSLINGS AT THE FARM, or some nearby point where they can be turned into cash when ready for fattening.

(To be Continued)

PEKIN DUCKS.

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

THE Pekin duck is really of Chinese origin. I have talked personally with the sea-captain who first brought the breed over to this country. It has been bred on practical, rather than artificial lines, the American Standard having recognized a creamy white color of plumage.

In this country the Pekin duck is the great market duck. There are more Pekins bred, several times over, than of all the other breeds taken together. Not a few duck farms produce 5,000 or more ducklings in a single season, and one at least of these farms has produced 30,000 ducklings in one season. This is an immense number to have been grown on a single place.

One would like to know the real reason why this breed of ducks is so popular. I can not hope to more than make a surmise at the truth. I think the duck has really great merits as a market duck. In the first place it is a white duck, and whatever there may be in the talk about dark pinfeathers disfiguring the poultry—less, I imagine, than is popularly supposed—this duck is not open to that objection.

It is a good grower—no better, I think, than other breeds—but it is not lacking in this quality, and it has the necessary size and shape to make it dress well and profitably. So that the merits of the duck must be considered in accounting for its popularity.

But, I imagine, that it has been peculiarly fortunate in its heralds. "Fortunate he who has Homer for his herald." James Rankin, the father of the duck-rearing-on-a-large-scale industry, has persistently advocated the Pekin as the best duck for this business. His words were echoed and re-echoed by those who respected him for what he had accomplished and thought, because he had been successful in his business, was in fact the duck king, like other kings he could commit no wrong. They even went further and believed that he could make no mistake. His brilliant success dazzled the eyes of their judgment as the brilliancy of the sun dazzles the physical eyes of men. They adopted Pekins, and as the Pekins proved good birds and they succeeded with them, they proclaimed that they had no equals. Outside of the early tests of different breeds, made by Mr. Rankin in the earlier days of the duck industry, I know of no reliable tests of breeds made in this country. There may have been such tests, but I have either never read of them, or, if I have read them, I have totally forgotten them. I think ducks would be an admirable subject for our Experimental Stations to take up, and make a careful test of the relative merits of the different breeds. The Rhode Island Experimental Station has done much in this line in respect to geese, but we need tests of ducks as well.

Don't let any one imagine I am attempting to depreciate the Pekin duck, this is far from my object, I believe it to be an admirable duck for the market man. But I do not believe that its merits so greatly overshadow the merits of other breeds as its great popularity in this country would seem to indicate. Admitting its great merits, I think the time has come when the merits of other breeds should be properly recognized. The Aylesbury is the English favorite, the Rouen, pure or crossed, finds favor with the French people, and there are not wanting intelligent breeders who deem the Cayuga, as a market duck, the equal of any other breed. Why, then, should not they, and other different breeds be subjected to an impartial test, so that those who need may have reliable information? If the Pekin is superior to all others it has nothing to fear from such a test; if it is not, the truth is demanded by the public. Let the tests be made.

Because the Pekin is a good market duck and because its rearing has been advocated by successful duck

BANTAMS FOR SALE.

Having purchased the stock of Messrs. Gray & Baldwin, I have a few Cockerels and Pullets to dispose of in

BROWN REDS, BLACK REDS AND RED PILES.

Readers of the REVIEW do not require to be told the quality of this stock, as the NUMEROUS PRIZES won by Messrs. Gray & Baldwin are sufficient to warrant the stock as being second to none. Write me what you want and I shall only be too pleased to describe you what I have.

FANCY PIGEONS.

I have a GRAND LOT of birds TO DISPOSE OF in pairs or odd birds in all varieties and offer them for sale AT LESS THAN HALF THEIR WORTH in order to make room. Write me for price list and description of anything you want. BIRDS WILL BE SENT ON APPROVAL to reliable parties.

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*Barred P. Rocks, S. C. Brown Leghorns,
R. C. Brown Leghorns.*



My yards are headed by strong, vigorous males, mated to females especially selected not only to produce high scoring specimens but large sized birds and unfailing egg producers. Parties purchasing eggs from me can feel assured to receive eggs from my best pens only. Barred P. Rock eggs \$2 per sitting. R. and S. C. Brown Leghorn eggs \$1.50 per sitting. Satisfaction guaranteed. Correspondence promptly and cheerfully answered. 100

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Kills all Vermin peculiar to the Feathered Stock.

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Put up 1 lb. cans. **PRICE 25c.**

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FROM EGG TO EGG.

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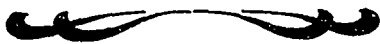
A treatise that gives all the successful points in keeping and breeding this handsome and profitable inmate of the yard and aviary.

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BREEDER OF

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VISITORS ALWAYS WELCOME TO INSPECT MY STOCK.

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Are the peers of the **BEST IN AMERICA.**

At Canada's Greatest Show I won 1st cock, 1st hen, 1st pullet, and 3 specials on four entries in the hottest kind of competition. What more proof do you want? Eggs for hatching in season, also eggs from Black Langshans and White Leghorns. Write for circular and price list. **A. W. GRAHAM,** St. Thomas, Ont. 209

raisers, I believe to be the reasons why it has become so popular. If these are not the reasons, then what are the reasons? We know that it is popular, and we are constantly reminded that it is the great market duck. Please tell us now, why these things are so, if we have not guessed correctly.

ON TURKEY REARING.

FIRST PRIZE ESSAY IN A RECENT POULTRY
COMPETITION.

I HAVE had a good deal of experience in rearing turkeys, and find that with care I very seldom lose my birds.

Living pretty far north (Cumberland), near the sea, where there is little or no shelter, I am never anxious for my birds to be hatched very early, and my first eggs are always brought out and reared under either Dorking or cross-bred fowls. I have two reasons for hatching under hens; first, it gives me the chance of more turkey eggs; and, secondly, I can protect the chicks much better from the cold storms of early spring when they are with a hen. I generally give the hen eight or nine turkey eggs, and on hatching put her into an ordinary wood coop, with a wood bottom (if bad weather), and a small wire run to fit the front; this I place facing the sun on a good clean grass run, and am most particular to move my chicks once (or more frequently twice) a day, so that the ground never gets soiled.

If there is any wind, I close one side of the run with either a board or old wrapper, and on a wet day I always cover the top of the run, so that they suffer very little from bad weather, and always have plenty of fresh grass and air, two most indispensable things for the first week or ten days.

I give hard boiled eggs, finely chopped, and mixed with bread crumbs, alternately with bread soaked in boiling milk, and I also give chopped docks and butter-milk to drink, every morning, taking great care to keep the vessels clean and sweet, and never allowing the food to get sour.

I feed my birds three times a day, and only give what I think will be eaten up at once. After the time specified I give scalded Indian meal, wheat, and even-time a little boiled rice, and discontinue the eggs,

but still give the bread and milk for a month or more.

Should the weather be fine, I let the chicks out at about the month end. This spring I had my first brood six weeks in the run, after which I allowed them to go free along with the hen, only cooping at night for fear of rats, and in fine weather I always substitute one side of the wire run, in place of the wooden door, which gives more ventilation, and keeps the birds healthier.

I make a hard and fast rule (if at home) to feed my turkeys myself every morning, as by so doing, I see at once if any of the birds are ailing. If ever you see a turkey refuse its morning meal, you may be quite sure it requires attention. Sometimes, when five or six months old, you see one lagging behind the rest, and either refusing food altogether or just pecking a few grains, and then walk away.

Taken in time this state of affairs is soon remedied. Catch the turkey and put in a warm, dry building, and mix half a teaspoonful of lard, or unsalted butter, with half a teaspoonful of cayenne pepper, and make it into small pills with a little flour.

These pills I give at night, and feed very sparingly next day. The following morning the bird generally goes out all right and quite ready for breakfast. Should this not be the case, I have often given half of one of Carter's Little Liver Pills with good effect.

I have six turkeys hatched late on in August, but should not advise anyone to go in for them so late in the year, as they are a lot of trouble. About a month since they began with gapes; but after applying creosote and oil with a feather to the throat, they very soon improved.

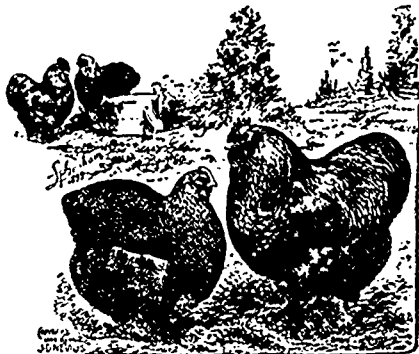
I fatten my turkeys chiefly on Indian corn, scalded Indian meal and boiled potatoes, and the home-grown corn for a change, and can get them up to twenty-two pounds dead-weight at Christmas. I rear my chickens in the same way and on the same food, with the exception of the docks, and am generally pretty fortunate.—E., in English "Rural World."

The two last REVIEWS are dandies, almost every town in Ontario seems to have caught the fever in good shape. My first hatch of the season came off yesterday, had a good average hatch. Wishing REVIEW continued success.

NEWTON COSH.

Brantford, April 14, 1899.

THOS. C. ALLEN. J. D. NEVIUS.
LYNNHURST POULTRY YARDS.



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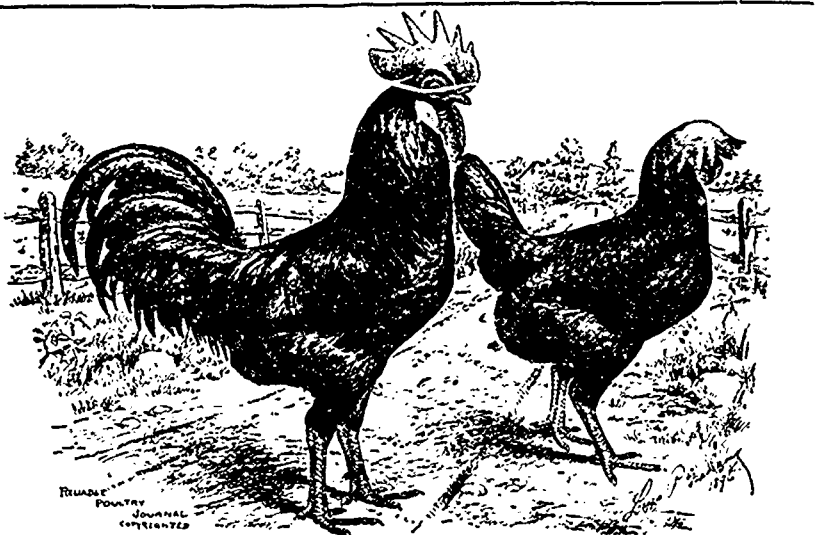
If the best is none too good (and we certainly believe this) then why not buy fowls and eggs where you can get the best; we believe we can furnish them but if you doubt it then buy where you are sure of getting the best. Our birds do not all score from 91 to 97 points (we wish they did, nor will they 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 beautifully illustrated catalogue and price list giving in detail when and where the following prizes were won, viz.: 346 1sts, 88 2nds, 89 3rds, 19 4ths and over 50 specials.

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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, Tubury, Ont. 399

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Send stamp for circular and price list.

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CANADIAN PHEASANTRY.
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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,
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Sangeen 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. 599

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. 200

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.

A GREAT ENGLISH MARKET FOR CANADIAN POULTRY.

AN IMPORTANT STATEMENT FROM AN EXPERT ENGLISH POULTRY DEALER.

IT will be remembered by your readers that the experimental shipment of fattened poultry to Liverpool, England, by Prof. Robertson, last fall, was singularly successful, the birds netting \$1.76 per pair wholesale, or showing a profit of 50 cents per pair after paying all expenses. The birds were purchased and fattened by Messrs. Yuill & Son, farmers, in the vicinity of Carleton Place. They were consigned to Alderman James Ruddin, of Liverpool, a leading dealer of poultry and game in England, perhaps in the world. It may be also remembered that the consignee was so much pleased with the appearance of the birds that he called them "Capons." So far so good, but the outcome of the shipment was the reception a short while ago by Messrs. Yuill & Son of the following letter from Alderman Ruddin. The letter is so fraught with importance as affecting the development of Canadian poultry that the greater part of the important communication is given as follows:—

* * * * *

"The whole transaction was so completely successful and satisfactory in every particular that I am loath to let time pass without venturing to enquire as to your intentions in regard to the export to England of your fattened poultry. Being the first to handle your stock I would hope to continue to do so; being sure that no one in England could offer you the same facilities, service and interest that I command. Anticipating, therefore, that you will be inclined to favor me with your consignments I take this early opportunity of

encouraging you to extensive operations in poultry for the coming season. You need have no fear as to the ultimate results. Only turn your poultry out in the same order and condition as you did the experimental lot and I will see that profits will accrue. I am confident that I can create a large trade in Canadian poultry if I am able to secure responsible and reliable feeders and packers like yourselves. The business will need co-operation of a willing and intelligent order. The trade will then be readily established and it will only be the packer's fault if he does not maintain his position and hold the business. I might say that the English market receives poultry from every country in Europe as well as from Australia and New Zealand. I can state, however, without the slightest fear of contradiction, that the Canadian poultry has no compeer and therefore no competitor on equal terms. For not only is the Canadian poultry superior as to quality and suitability, but its condition is always assured through the services of the refrigerator. I hope to call on you in June or July. Meanwhile I hope to hear from you at your convenience.

JAMES RUDDIN."

No more important statements from such an undoubted source have ever been made in relation to Canadian poultry. Let us enumerate some of the points.

1—A leading poultry dealer in England is anxious to secure the handling of Canadian poultry of good quality.

2—The farmer DOES NOT GO TO THE ENGLISH DEALER but the latter SOLICITS the FARMER'S TRADE.

3—That in the opinion of this expert English dealer "Canadian poultry has no compeer, therefore no competitor."

4—That only care in feeding and packing is required to establish an almost unlimited demand.

Surely no such bonanza has ever been opened to the Canadian farmer or breeder! Just fancy a Canadian farmer being told that his birds, or those purchased from neighbors, after being sold for \$1.76 per pair in Liverpool, cannot be beaten by poultry from any other country in the world! And now there is competition among English dealers to receive consignments of Canadian poultry of superior quality.

And what is of more immediate value to our farmers is the statement made by the Messrs. Yuills that "the

Fisher's Island Farm

EGGS FOR HATCHING:

Barred and White Plymouth Rocks,
Cornish and White Indian Games, Pekin DucksOur 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**The Largest Poultry Supply House in the United States****We Carry in Stock:**Lime Stone Grit, Carbolic Vermin Powder,
Bone Meal, Crushed Oyster Shells, Sea Shells,
Beef Scrap, Millet Seed, Smith & Romain's
Boiled Beef and Bone, Sunflower Seed, Cracked
Corn, Rolled Oats, Barley, Sheridan's Condition
Powders, Lambert's Death to Lice, Greeley's
Roup Cure, Greeley's Cholera Cure, Incubator
Lamps, Egg Testers, Banner Egg Food and
Tonic, Poultry Markers, Feed Trays, Egg Ship-
ping Boxes, Mica Crystal Grit, Cut Clover Hay,
Wheat Bran, Green Bone Mills, Oyster Shell
Mills, New Russ Fountain, Stone Drinking
Fountains, Climax Drinking Fountains, Pine-
land Drinking Fountains, Incubator Thermo-
meters, Prolife Poultry Food, Chick Manna,
Charcoal, and anything required for the Poultry
Yard.

SOLE AGENTS FOR

*Prairie State Incubators and
Brooders*

For United States and Canada.

SEND FOR OUR CATALOGUE OF 1899, FREE.
Poultry List for 1899 now ready. Address:**Excelsior Wire & Poultry
Supply Co.,**

W. V. RUSS, Proprietor. 28 VESEY ST., NEW YORK CITY.

For Eggs

OUR

*Banner Egg Food and Tonic*is the one thing on the market to-day that will
produce the eggs WITHOUT QUESTION.25c. per 1 lb. Can, 5 Cans \$1,
1 Case, 2 dozen Cans, \$1.**Canadians will not forget this**
if they once try it, as it is especially adapted to
their climate.

Try also for ROUP

Greeley Coup Cure.

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

30c. per box, \$1.50 per dozen.
New York Agents for Mann's, Dandy, Chap-
man, Wilson and all makes of**GREEN BONE MILLS.**

All goods are F.O.B. New York

Poultry List for 1899 now ready. Address:

**Barred
Plymouth
Rocks**

EXCLUSIVELY

Breeder and exhibitor of Barred Rocks. My
birds are winning at the leading shows. A few
cockerels for sale.

EGGS IN SEASON.

J. W. PORTEOUS

GALT, ONT.

The Canadian HorticulturistThe Paper for Fruit and Flower
Growers.Published monthly by the Ontario Fruit
Growers' Association.**\$1.00 PER YEAR.**Subscription price, includes the Canadian
Horticulturist, a share in the annual distribu-
tion of plants, and a copy of the Annual Report
of the Ontario Fruit Grower's Association, the
Ontario Fruit Experiment Stations, and the
Ontario Entomological Society. Address

CANADIAN HORTICULTURIST,

GRIMSBY, ONT.

1299

**THERE'S ONLY
ONE PAPER.**in the Maritime Provinces devoted exclu-
sively to the interests of the 100,000 farmers in
that part of the Dominion. It's a neatly
printed, sixteen page semi-monthly, officially
adopted and endorsed by the New Brunswick
Farmers and Dairymen's Association, the
Nova Scotia Farmers' Association, and the
Maritime Stock Breeders' Association. An
advertisement in it will be read by more pro-
gressive agriculturists in the three Lower
Provinces than can be reached by any other
single medium. Free sample copies and ad-
vertising rates sent on application to**CO-OPERATIVE
FARMER**

Sussex, N.B.

Buff Rocks

EXCLUSIVELY.

The ideal fowl for the fancier and farmer. At
Brantford Southern Fair 1st cock, 2nd hen; at
the big Ontario 1st pullet, and special for best
Buff Rock female, Felch judge; Brantford
winter show, Jan. 20-21, 1899, 1 woi. on 6 entries,
Butterfield judge, 2nd cock, 1st hen, 2nd cock-
erel, 1st and 2nd pullets and special for best pair.
All my prize winners are in my breeding pens.
Eggs \$2.50 per setting. Some stock yet for sale.
Satisfaction guaranteed.

200

JOHN J. FOLEY,

Brantford, Ont.

Abbott Bros.EAST OF ENGLAND LIVE STOCK AND POULTRY FARMS,
Thuxton, Hingham, Norfolk, Eng.The largest and most successful prize poultry breeders in the world. Almost all varieties of
Poultry, Ducks, Geese, Turkeys and Bantams are kept and have taken more cups, medals,
diplomas and prizes than any other breeding establishment in England. Also fancy and com-
mon English Pheasants. Messrs. Abbott Bros. being frequently called on to judge at the large-
st poultry shows in England, have rare opportunities of purchasing for customers any variety
of poultry which they do not keep themselves.

ALSO BREEDERS AND EXPORTERS OF THE MOST

Fashionable Hackney Horsesstallions and Mares of all ages and several prize winners for sale all registered in the Hackney
Stud Book.**Pure-Bred Dairy Shorthorns and Red Polled Cattle
The Old-fashioned Bob-Tailed Sheep Dogs.**

Prize winners and first-class specimens always on hand.

This is the largest and oldest established Poultry Farm in England. Illustrated Des-
criptive Catalogue, containing list of prizes and testimonials from customers in all parts of the
world free on application.

birds which dressed best (and consequently made the best impression) were barred Plymouth Rocks." Not that other thoroughbreds might not have done as well but because barred Rocks were in greater supply in that locality and were therefore secured in greater number.

And what are our farmers going to do about it?

POULTRY AT THE OTTAWA FAIR.

THE COMMITTEE WILL PROVIDE A GREAT SHOW THIS YEAR. IMPORTANT AMENDMENTS IN THE REGULATIONS.

THE poultry committee of the Central Canada Fair met last week. Present were F. H. Gisborne, Chairman; W. Hutchinson, M.P., John Mason, John J. Gill, C. J. Devlin, W. F. Garland, A. P. Mutchmor, George Higman, James Jacques, S. Shortt, R. McKinstry, J. C. Smith, A. G. Gilbert and P. G. Keyes. Several important changes were decided on.

A code of rules compiled by Mr. A. P. Mutchmor, superintendent of the department at the exhibition last year, was adopted. Previously, there were no fixed rules, the management of the department being left largely to the judgment of the superintendent. There will now be uniform regulations. The committee decided to keep all entry cards until the arrival of the exhibitors as in the past there has been considerable delay caused by exhibitors forgetting to bring their cards with them. Another change which will be welcomed by exhibitors was the decision to provide coops for the ornamental classes. In the prize list several changes were made. Separate classes were provided for buff, black and white Cochins, also Hamburgs, gold and silver; rose comb Leghorns, brown and any other variety.

The breeding pen class was struck off.

In the pigeon department black Turbits were added and black and blue Pouters were struck off.

English Owls, red Magpies and white Dragoons were added. In the ornamental class gold and silver Pheasants, ring-necked and other varieties were added.

A prize of \$10 will be offered for the best incubator and brooder in operation.

Mr. E. H. Benjamin was recommended to the executive for appointment as superintendent and Mr. A. Mason as assistant superintendent. Mr. Sharpe Butterfield, of London, was appointed judge.

DRESSED POULTRY AT THE PROVINCIAL FAT STOCK SHOW.

MR. R. H. ESSEX, who has been doing some excellent work in connection with the Farmers' Institutes for the Ontario Government, has been requested by Mr. J. W. Hodson, superintendent of Farmers' Institutes, to draw up a schedule that would bring out a representative exhibit of dressed poultry at the next Fat Stock show. Following we give the result of his labors and we are sure our readers will unite with us in approval of the list and the conditions under which the exhibit will be made:—

RULES GOVERNING DRESSED POULTRY DEPARTMENT.

1. All poultry shown must have been bred and fed by exhibitor, and shall be labeled with the name of the variety of the breed to which it belongs. Cross-breds shall be labelled with the names of the varieties of the breeds used in the cross mating.

Eggs shall be labelled with the name of the variety of the breed by which they were laid, and shall have been laid by fowls owned by the exhibitor.

A declaration from any exhibitor confirming his or her statements may be required by the poultry committee.

2. The following entrance fees will be charged and must accompany each application for entry; For each entry 25c. An entry fee will be charged for each special and sweepstake.

3. All exhibits must be received not later than—.

4. No exhibit shall be removed until the close of the exhibition.

5. The poultry committee reserves the right to reject any entry.

6. Exhibits must be sent to the show room addressed to superintendent of ———, in whose care they will remain during the exhibition. Owner's name and address must be on each package for the return journey.

7. Poultry must be exhibited undrawn and feathers shall not be plucked from the head nor from the upper portion of the neck.

8. Prizes for dressed poultry will be awarded on BEST and BEST DRESSED.

9. In entry form use columns marked "Class,"

"Section," "Description of bird" and "Amount of fee."

FOWLS.

The following sections have prizes of \$3, \$2, \$1 and HC; all in pairs:—

Brahmas of 1899, any variety; Cochins of 1899, any variety; Langshans of 1899, any variety; Plymouth Rocks of 1899, any variety; Wyandottes of 1899, any variety; Minorcas or Andalusians of 1899, any variety; Leghorns of 1899, any variety; Dorkings of 1899, any variety; Houdans, La Fleche or Creve Coeurs of 1899; Indian Game or A.O.V. Game of 1899; cross breeds of 1899, any cross.

SWEEPSTAKE.

Best pair in class 1, \$5.

TURKEYS.

Have \$4, \$3, \$1 and HC.

Pair Turkeys, any age, males; pair Turkeys, any age, females; pair Turkeys of 1899, males; pair Turkeys of 1899, females.

SWEEPSTAKE.

Best pair in class 2, \$5.

GEESE,

Have the same money offered.

Pair Geese of 1899, white; pair Geese of 1899, colored.

SWEEPSTAKE.

Best pair in class 3, \$5.

DUCKS.

The same. Pair Ducks of 1899, white; pair Ducks of 1899, colored

SWEEPSTAKE.

Best pair of Ducks, \$5.

COLLECTIONS OF FOWLS.

\$5.00, \$2.00, \$1.00 and HC is offered on six Brahmas, Cochins or Langshans of 1899; six Plymouth Rocks or Wyandottes of 1899; six Minorcas, Andalusians or Leghorns of 1899; six Dorkings, Houdans, La Fleche or Creve Coeurs of 1899; six Games of 1899; six cross breeds of 1899.

COLLECTIONS OF TURKEYS, GEESE AND DUCKS.

\$5, \$3, \$1 and HC for six Turkeys of 1899, six Geese of 1899, six Ducks of 1899.

EGGS (DOUBLE YOLKS BARRED).

Two dozen eggs, heaviest and best, white, \$3, \$2, \$1 and HC; two dozen eggs, heaviest and best, brown, \$3, \$2, \$1 and HC.

GRAND SPECIALS.

For best collection of dressed poultry. Prize, a one hundred egg incubator and brooder, manufactured and donated by J. E. Meyer, Kossuth, Ont.

For best collection of dressed poultry exhibited in any one section of classes 1, 2, 3 or 4. Prize, a one hundred egg incubator and brooder, manufactured and donated by John S. Pearce & Co., London, Ont.

For best collection of dressed poultry exhibited in any one section of classes 5 or 6. Prize, a trio of buff Plymouth Rocks, bred and donated by Robert H. Essex, Toronto, Ont. Value \$10.00.

PORT HURON ASSOCIATION.

A MEETING of local fanciers was held on March 29th in R. V. Gooderich's office and the result was the formation of the Port Huron Poultry, Pigeon and Pet Stock Association. It is the intention of the Association to give a show sometime in January. Their prize list will include a number of fine specials.

The Association is considering the advisability of giving a dog show in connection and will let you know what the decision of the show committee is.

The club is open to Canadian fanciers as well as Yankees and we hope to have a number of them on our roll. The following officers were elected:—

President, B. E. Sharp; Vice-President, Robert Moore; Secretary, H. D. Kilets; Treasurer, Fred. Wagenseil; Board of Directors, R. V. Gooderich, Geo. Crackel, R. S. Taylor, Wm. Asman, Mr. Mills, Sarnia, Ont.

Applications may be had from the Secretary, address 623-625 Huron Ave., Port Huron, Mich.

H. D. KILETS.

Port Huron, Mich., April 6, 1899.

THE BUFF ROCKS AS LAYERS.

DURING the now past (thank Goodness!) cold, severe winter my buff Rocks with the same treatment as the barred Rocks, white Leghorns and black Minorcas, completely outstripped the others as layers. Since November they have not failed me even one day, cold weather seemed to have no effect on them whatever. I bought 17 acres of land to-day which I will turn into a poultry farm.

Yours truly,

Grimsby, April 15, '99. JAS. A. LIVINGSTON.

POULTRY AILMENTS.

We invite questions and correspondence for this department.

ROUP, CANKER, DIPHTHERIA.

WHAT ARE THEY?—HOW CURED.

MR. MALCOLM ROSS, of the Bacteriological Department of the Ontario Agricultural College, is endeavoring to secure some definite knowledge of the above diseases and has addressed letters of enquiry to several breeders of note. The communication referred to is as follows:

BACTERIOLOGICAL DEPARTMENT,
ONTARIO AGRICULTURAL COLLEGE,

Guelph, April 20, '99.

DEAR SIR,—Investigations are now being carried on in order to obtain some definite knowledge concerning the diseases known as roup, canker and diphtheria, affecting fowls. There is a considerable difference of opinion as to the nature and symptoms of these diseases and it would be of great assistance if you

would be kind enough to give any information that you can concerning the cause, symptoms, duration and effects of the diseases.

Do you consider that they are three distinct diseases or not? If they are different, how may they be distinguished?

It would also be of great assistance if you would forward any heads and necks of diseased birds, at any time, with information as to their affection.

Yours truly, MALCOLM ROSS.

The REVIEW desires greatly to assist Mr. Ross in this work and will see that any replies sent in are placed in the proper hands. A free discussion of the subject should bring out minor points that are frequently overlooked. Letters may be addressed to us if it is so desired, but the sections of fowls asked for should go direct to Mr. Ross.

DYSENTERY.

DYSENTERY in chicks is invariably brought on by irregular heat. If quite young chicks get chilled, bowel complaint will be the result. If overheated, the same disease will follow, which is fatal in most instances, at least it retards

their growth. Never allow chicks to get chilled or overheated if you wish them to do well. Usually during the warm summer months the most difficulty is experienced in this line, owing to the warm days and cold nights we often have at this time of the year. Cure: To a pint of soft food add a tablespoonful of finely ground raw bone, which should be fed at least three times a week to the healthy chicks as well as to

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.

Use Guest's Roup or Tonic and Condition Pills.

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

They are especially suited for Roup, Rousy diseases, Bad Moulting, Bad Fledging, Weak Young Pigeons, Chickens, Turkeys or Ducks, &c. For General Unhealthiness in Birds, either young or full grown. Skin disdases, 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.

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

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.

SEAFORTH, ONT., Oct. 6th, 1896.

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

those affected. Boil two ounces of ginger and one ounce of copperas in a gallon of water. Moisten the food with this fluid, but avoid feeding corn in any form when chicks have the dysentery.

LEG WEAKNESS

is found chiefly among chicks raised in a brooder warmed by under heat. Or it is sometimes brought about by high feeding, in this case their bodies grow too fast for the strength of their legs. If the bottom of the brooder is slightly warm it will do no harm but the most of the heat should come from above and then you will scarcely be troubled with leg weakness among chicks. Those that have leg weakness will in course of time come out all right without the aid of medicine and they usually make the finest specimens, as only the most vigorous chicks become affected. Feed finely ground raw bone in the soft food daily, which will strengthen their legs and will be the means of their rapid recovery.

BUMBLE FOOT.

This disease is caused by the fowls running on hard dry ground when confined in small runs, as it is seldom found among fowls that have the run of the farm where they get out in the wet grass in the morning.

Symptoms—They become lame, with inflammation and swelling in the foot. The bottom of the foot is hard and has a scab which should be removed and the core pressed out; but should it be fast take a knife and make a deep incision in the bottom of the foot and take the core out in pieces. Sometimes they swell between the toes; then the incision should be made where the swelling is. After you have made the incision make a poultice of linseed meal and place the foot therein, which will draw the puss all out. However, should there any core form in the wound while treating, be careful to remove it. Apply a fresh poultice every day and nine times out of ten you can effect a cure.

SHOEMAKER.

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

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 14th, 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 " "	.....	1.00
5 gallon "	.....	4.50

CANS FREE.

SOLE GENERAL AGENT FOR ONTARIO, ADDRESS

C.J. Daniels, 221 River St, Toronto

AGENTS WANTED EVERYWHERE.



MATING BROWN-RED BANTAMS.

HOW TO PRODUCE EXHIBITION SPECIMENS.

BY P. PROUD.

HAVING described the mating-up of the breeding pens of pure brown-reds, I will now go on to show how the young fancier may produce exhibition specimens by introducing a cross of another variety.

Years ago, when the now fashionable pale lemon top color was first produced, many fanciers were at a loss to know how it had been obtained, although had they been able to have got to the right side of some of our celebrated large Game breeders of this variety, they would have learned the secret much earlier, for the bright lemon color had been secured in the large Game years before we ever saw it in the Bantam.

How was it obtained? Simply by crossing with birchen blood. The question that will naturally rise in the mind of my readers now will be: Yes, but how are birchens produced? But for answer you must "bide a wee." This information will come in due course, but sufficient for the day is the evil thereof. Although I am not in favor of the introduction of birchen blood in brown-reds, for the simple reason that by doing so, to a certain extent, you are losing the dark gipsy face so characteristic in the pure bred brown-red, still, there are times when the young fancier is driven into a corner as it were, and will puzzle his brains how it would be possible to get the desired pale lemon top color and lacing already described, seeing that he does not possess the color in the cockerel breeder.

The only remedy for this defect is to select a birchen cock or cockerel with plenty of top color, as silvery

white as possible, and well-laced breast, and put him to three or four pullets or hens; if you use a cock then put pullets, and vice versa. In this case it is not absolutely necessary to have the hens so pale in hackle as described in the cockerel breeding pen above.

From these you should obtain cockerels quite as bright in lemon as those from the pure cockerel pen, with the only exception that there will be a tendency for the produce to be lighter in eye and face.

From these cockerels it would be advisable to select two or three of the tallest, palest in top color, preference being given to those having plenty of distinct lacing on breast. By using one of these with the same hens the following season, and another with the best colored and tallest pullets, you will still retain the desired color, and at the same time be improving the face color and eye. It would not be found advisable to use the birchen cock a second season, unless it was with the idea of breeding more birchens, and this could be brought about by putting him to the birchen pullets which are certain to be found among the produce of the birchen cock and brown-red hens, and of course the following season the percentage of birchen would be much greater.—"Feathered World."

The National Exhibition Game and Game Bantam Club has kept quiet for two months, a long time for "pushers" to be silent, but we want the public to miss us, and this brief notice is simply inserted to tell you why you ought to miss us if you don't, and that even if we are not in print in every issue of every paper we are working other ways and are moving along just the same.

Our membership is constantly growing and the steadily increasing interest in our club and in the varieties we represent is most satisfactory.

It all presages a happy future for the Games and Game Bantams, and a rousing big annual show next year. It is not too early to work for that remember.

Every one who has the welfare of these varieties at heart should hasten to join the club, and unite their efforts with ours for the furtherance of our laudable plans.

The annual circular of the club will soon be issued, and you will make a mistake if you fail to have your name and address appear therein. Yours truly,

J. C. PRATT, Sec.

RIVER ♦ VIEW ♦ POULTRY ♦ FARM

Rose Comb B. Leghorns won at the Ontario show, 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.

BUFF LEGHORNS. We have the finest pen we ever owned. **BARRED ROCKS.** Our pen is grand this year. See March REVIEW for prizes won at Brantford and Hamilton on Barred Rocks. Cockerel heads this pen scores 94 by Jarvis. **BUFF ROCKS.** Our pen this year is headed by a cockerel with a solid buff wing and a fine lemon color throughout and seven grand females. **BLACK SPANISH.** We have a very fine pen headed by the third cock at the Ontario. **SILVER LACED WYANDOTTES.** Very near all prize winners in our two pens. First pen headed by first cockerel and special at the Ontario; second pen headed by second cock at the Ontario. Birds for sale at all times. Eggs for sale at \$2.00 per 13 of any of the above varieties. See REVIEW for prizes won at six of the leading shows in Dec. '98, Jan. and Feb. '99.

HENDERSON & BILLINGS, St. Mary's, Ont.

One Thousand New Standards

FREE

The new Standard of Perfection issued by the American Poultry Association **is now ready**, and contains all changes made at Toronto. We propose with the help of our friends to give away 1,000 copies. How can it be done? Easily.

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Canadian Poultry Review,

TORONTO, ONT.

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With

Review Advertisers.

In this column, we note from month to month new display advertisements, changes in same and the advent of yearly "for sale" ads.

Chas. LaRose offers eggs at \$2.00 from his barred Rocks and golden Sebright Bantams, and solicits a share of your trade. Look up his new ad.

E. H. Perrin, the buff Dot breeder changes his business card on back cover this issue.

Ford Bros. send us some excellent feathers from their first prize buff Rock cock. They are breeding from three pens and report so far a good egg trade.

Mr. C. J. Daniels reports that he is now able to sell Lee's Lice Killer in large quantities at a reduced price. Notice of it will be found in this issue. This article will do its work, it is powerful, and lice simply can't stand it. The following are taken at random from a long list of testimonials received from all parts of the continent:

"As you know, Lee's Lice Killer is the best on earth, and we are fully convinced of the fact since giving you a trial order." JOE. M. HUDSPERH, Boonville, Ind.

"Just the thing we needed to kill mites." P. R. EDRINGTON, Itasca, Texas.

"I put a hen in a box painted with L.L.K. and left her two hours. I did not stop to count the lice and mites, but if any one wants the job they are welcome to it." JESSE K. FENTON, Pine Island, Minn.

"I have tried L.L.K. and find that it does all that is claimed for it." LEWIS LIPPINCOTT, Red Bank, N. J.

The above testimonials are selected from the thousands in our possession.

L.L.K. is used in every state in the Union, Canada and Mexico. It is per-

ACTIVE SOLICITORS WANTED everywhere for "The Story of the Philippines," by Murat Halsted, 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. Briskful 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., 336 Dearborn street, Chicago. 799

fectly safe to use for poultry, old or young, or for stock of any kind, if directions, which will be found on every can, are followed

Woods Egg Holder Co. advertise their need of a firm to make their patent Century Egg Holders on royalty. There is a good chance here for enterprise as the article is meritorious. This is what Mr. Boyer says of the package:

WOODS EGG-HOLDER CO.

Gentlemen:--After giving it a good test, I do not hesitate to say that your "Fancier's Favorite" box for shipping eggs for hatching is about as complete and serviceable an article as I have ever tried. I am pleased with it. As for your egg cabinets, it is only necessary to state that we use them to the exclusion of everything else. We save time and increase good results by the use of the cabinets. Respectfully, MICHAEL K. BOYER.

Close Bros. are compelled to dispose of all their Games and Game Bantams and Rouen ducks. Big reductions will be made for immediate sales. Write them at once if you want bargains.

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 many 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 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., 358 Dearborn street, Chicago. 789

The Hen's Friend.



The Webster & Hannum Bone Cutter cuts bone, meat and gristle in just the form fowls like it best, and in the form they need it for egg production.

It is the lightest running bone cutter on the market, and requires but one hand to operate, being absolutely self-feeding and regulating. Received

only award at World's Fair, Chicago.

We also make Grit Crushers and Clover Cutters. Send for free booklet.

E. C. STEARNS & CO., Box 16, Syracuse, N. Y.

890

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 fine 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. 599

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 Brahmans, Black Langshans, Black Spanish, S. L. 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 '99 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. 599

Eggs for Sale at \$3.00 per 13

\$5.00 per 26.

I GUARANTEE SATISFACTION TO RESPONSIBLE PARTIES.

I breed HOUDANS, all Varieties of POLANDS and HAMBURGS, and BANTAMS other than Game.

My birds have been very successful in the show pen, having won since last fall 261 regular prizes, 12 specials and 3 diplomas. A grand lot of birds in all my pens. But one bird under 90, and that 89½, others up to 95: 2nd (1898) Ontario cock heads my pen of Houdans.

A few odd birds for sale in Polands and Hamburgs. I will satisfy buyers.

H. E. BECKWORTH,

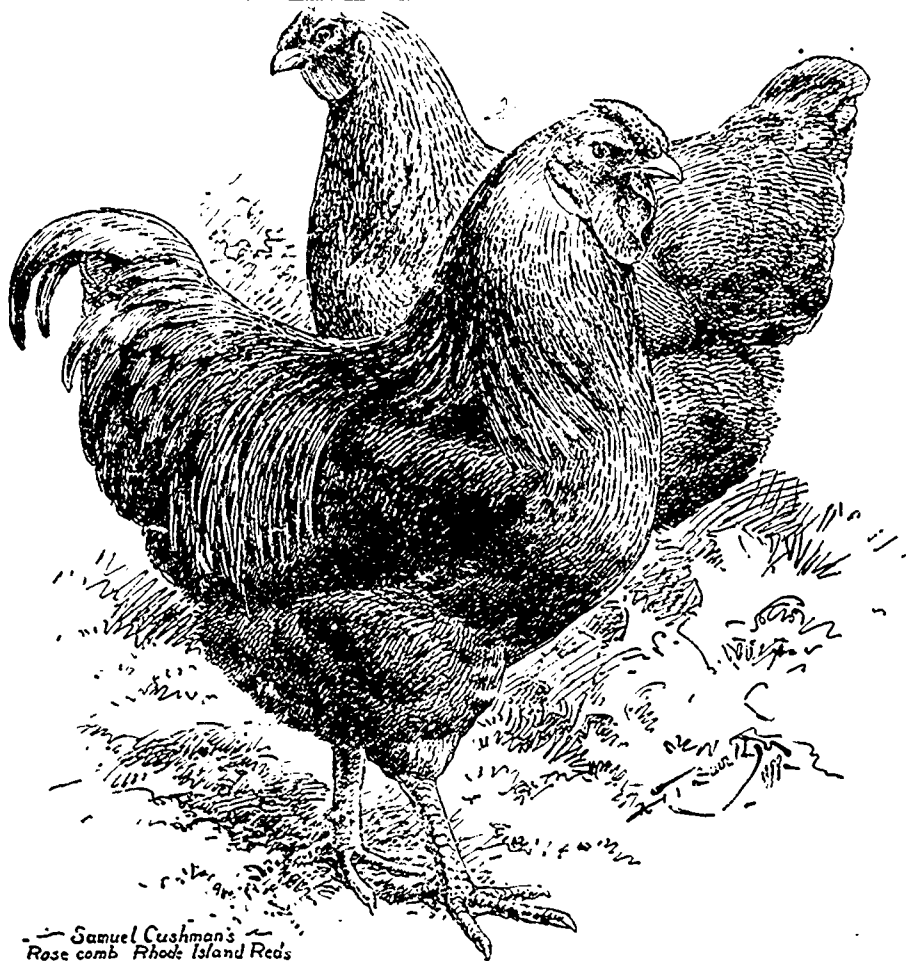
Proprietor Polish Poultry Yards,

Box 251, Blenheim, Ont.

Orchard Grove Poultry Yards, J. L. PAGE, Proprietor, Woodstock, Ont.

BREEDER Rose-comb White Leghorns Exclusively

This season's winnings—Woodstock, all prizes and tie for highest score in show, 800 entries Ontario, Toronto, 2nd cock, 2nd hen, 1st cockerel, 1st pullet and special for best White Leghorn male, rose or single. Also bred and raised 1st cockerel and 2nd pullet at Boston. Stock and eggs for sale. I breed my winners. 599



— Samuel Cushman's
Rose comb Rhode Island Reds

RHODE ISLAND REDS

ARE HARDEST, AND LAY LARGEST DEEP-TINTED EGGS OF ANY FOWL OF THEIR SIZE—HAVE DEEPER YELLOW SKIN AND LEGS THAN ANY WHITE FOWL, ARE NOT ANGULAR, BONY AND LEGGY WHEN DRESSED, AND HAVE NO DARK PIN-FATHERS—HAVE NOT YET BEEN SPOILED BY BEING CONFINED FOR GENERATIONS IN TOWN BACK YARD COOPS, OR BEING BRED MOSTLY FOR COLOR OF FEATHER BY THE EXTREME FANCIER—THEREFORE, THEY JUST SUIT THE FARMER AND THE MARKET POULTRY RAISER—THEY ARE ALSO VERY BEAUTIFUL.

SO says Mr. Chas. Cushman, of Providence, R.I., an enthusiastic lover of this breed. He may claim too much and he may not.

ORIGIN.

Rhode Island Red fowl have been in existence for

twenty or thirty years. They have been the favorite stock on the Rhode Island farms, where hundreds and thousands of hens have been kept for egg production. They were originated on the farm and until lately have been bred only by the farmer. Like the Plymouth Rock and Wyandotte, now so popular, they are a combination of other breeds, and from similar ancestry, having descended from a mixture of Malay Game and Cochin China or Shanghai fowls. They may also contain some American Dominique and brown Leghorn blood, but they have been bred, about as they now are on the farms, for a score of generations.

CHARACTERISTICS.

While the flocks on farms run quite uniform as regards size, hardiness and business qualities, there is much variation in minor characteristics and considerable variation in color. Birds having single, rose and

pea combs, are also found in the same flock. Deep reddish yellow legs and skins predominate, and the majority have clean legs, although a certain proportion are apt to have feathers on shanks, varying in degree from a little down to one-third or fourth as much leg feathering as the average Brahma.

Their color is between that of the brown Leghorn and the buff Cochin, and the females are somewhat like the females of the Indian Game-light Brahma cross. A certain proportion of the pullets still come with the mahogany color and general markings of the Malay female, even where two-thirds or more are a deep reddish bay color throughout (with the exception of the slight dark lacing on neck hackle and black in tail). In some flocks the majority of the females run almost a faded light yellow, while the males are not very much darker. In others they go to the other extreme, and have much black in wings and neck, and brown penciling or mottled feathers on breast or back.

IMPROVED.

However, the clear dark red birds are the favorites, even with the farmers. A few town breeders have made selections of these and bred to vastly improve them in uniformity of color. Some have bred only from single comb birds, and discarded all others. Others have bred each separately, but frequently the single and rose comb birds sold are bred from the same pen.

As Rhode Island Red stock has been largely drawn on in building the modern buff Plymouth Rock and buff Wyandotte, and as birds suited to this purpose sold more readily and brought most money, the tendency among some Rhode Island Red fanciers has been to breed out all dark lacing in hackle, as well as the black in tail and wings. Judges at exhibitions have also favored birds of this sort. This has caused some strains to lose these general and distinguishing characteristics of the Rhode Island Red, and left it no ground on which to stand in the fancier's eyes, except as a feeder of material for buff Plymouth Rocks and buff Wyandottes.

THE NEW STANDARD FOR THIS BREED.

The Rhode Island Red Club, however, realizing this fact, have adopted a standard calling for slightly laced or ticked hackles in pullets, and allowing black in wings and tail. Recognizing the present tendency of

the breed to slightly feathered legs or down on shanks, they also provide that no bird shall be disqualified unless the feathers appearing upon shanks or toes have a perceptible quill. They also agree that single and rosecomb birds should compete separately at exhibitions. Earlobes should be red but are not to be disqualified if they show some white. Back and breast of males are of a much deeper red than those of pullets.

SHAPE.

We have observed that in shape the Rhode Island Red is not so long-legged and angular as the Plymouth Rock, or so round bodied, chunky or, apparently, so short bodied as the Wyandotte. Does not stand so high on its legs as the Wyandotte, and is longer in body and a pound less in weight (yet very wide, deep and plump). It stands more like an American Dominique or Dorking. Shanks appear to join the body and thighs appear to be very short.

DOES NOT WISH TO SAIL UNDER FALSE COLORS.

EDITOR REVIEW:—

J THINK the Secretary-Treasurer of the Montreal Poultry Association must be "took worse."

In the "Montreal Star," just after the last show, he gave me credit for first on black Minorca hen, second on cock and second on cockerel, I advertised my birds accordingly and some weeks after I received third prize tickets for cock and cockerel and second prize money for hen as you publish them in the REVIEW.

I did not expect to do very well at the show as I had to leave home just before and my birds did not get any preparation and were in very poor show shape. My Minorca cock came home with a piece cut out of the rear brace of his comb, which caused it to lean to one side and has just about spoiled him for showing. I would like this published as I don't want my birds to sail under any false colors.

I have been booming the REVIEW here and you will notice that the list of subscribers has increased quite a bit during the last year in Compton. I only wish more would take it as it is very hard to get people to take any interest in poultry in this part of the country.

I remain, yours truly,

E. C. PARKER.

Compton, Que., April 14th, 1899.

CANADA'S BIG FAIR.

MEETING OF THE POULTRY COMMITTEE OF THE INDUSTRIAL EXHIBITION, TORONTO.

THE Committee met on April 4th, Mr. Charles Bonnick, the Chairman of the Committee, presiding. The other members attending were Messrs. Bogue and McNeil, London; Blythe, Gore, Barber, Toronto; Henderson and Senior, Hamilton; Foster, Brampton; Moorcraft and Hobbs, Bowmanville. Messrs. Daniels and Johnson were also present with suggestions, while Mr. Hill and Dr. Bell represented the Association. On motion the writer was appointed Secretary of the meeting.

Several letters were read, including one from A. Atkinson, President, and W. H. Naylor, Secretary of the Toronto Canary and Cage Bird Association relating to judges; from Mr. Butterfield requesting that the Bantam coops be raised; from Mr. Secker requesting the addition of white Indian Game, Rhode Island Reds and Anconas to the prize list, and from Mr. J. H. Parsons also urging the merits of the white Indian Game. Mr. Hill on behalf of the Association stated positively that no more money must be asked for than was on the list of last year. Changes might be made but the total sum must not be exceeded. This appeared to have a hypnotizing effect on the Committee as the members did more than was asked of them, thereby saving the Association any where from \$50 to \$75. They took off but omitted to put on

THE CHANGES IN THE LIST

are as follows: Indian Game to be prefixed with the word "laced." Dominiques cut off the list. The reduction in pens were as follows:

Brahmas, one class. Cochins, to be partridge or buff and A. O. color (two classes). All Dorkings to compete in one class. Plymouth Rocks two classes, barred and any other color. Game, black or brown, red, pyle and A.O. color (three classes). Leghorns, white, brown buff and A.O. color (rose and single comb to compete). Andalusians cut off and to compete with Spanish. Minorcas one class (black and white compete). Wyandottes reduced to two classes, silver or golden and A.O. color. Orpingtons, cut off.

A motion of Messrs. Henderson and Blythes that

Lafleche and Creves compete in open class was lost. Two new rules are to be embodied in the prize list. First, that no new variety will be put on before being shown for two successive years in the A. O. V. class. Second that any variety now on for three years and not being shown by at least two exhibitors be cut off. Both rules to date from next exhibition.

Where eight to twelve entries in a class a third prize of 75c to be added, over twelve entries, prizes to be \$3.00, \$2.00, \$1.00 and 50c.

Guinea Pigs to be shown in pairs with prizes of \$2.00 and \$1.00. Collections of mice to consist of not less than five pairs.

Mr. Gore offered a piece of plate to the exhibitor taking the largest number of prizes in canaries, open to all.

A third prize of 50c was added to all ducks in classes 58 and 59.

The same judges in all classes as last year were appointed, with the following changes in the sections they are to take: Mr. Smelt to take black and white Minorcas, Mr. Jarvis to judge Spanish, white, buff and black Wyandottes. Mr. Butterfield to have the barred Rocks and Langshans.

In the event of Mr. Bertie (the cage bird judge) not being able to act, Mr. W. Cochrane to take his place.

Entries will close on August 19th and Mr. Daniels was cordially recommended as superintendent.

The building is to be thoroughly cleansed and all necessary minor alterations made. This to be entirely in the Chairman's hands. Mr. Hill kindly stated that it was necessary but to mention items of this kind to have them properly attended to.

In Homing Pigeon classes no substitutes may be shown, the birds which have done the actual work must be exhibited. It was news to the committee that heretofore such had not been the case.

On motion of Mr. McNeil, seconded by Mr. Blyth, a hearty vote of thanks was tendered the Chairman and Secretary of meeting for their work and to the Industrial Exhibition Association, with which was coupled the names of Mr. H. J. Hill and Dr. A. W. Bell.

H. B. DONOVAN,

Secretary of Meeting.

THE BUFF LEGHORN.

BY GEO. S. BARNES, BATTLE CREEK, MICH.

THIS ever-popular breed is one that will admit of many styles of color and shape in breeding. Some run their stock to the dark extreme, others to the light extreme, while the third class take the medium ground, and aim to produce as many males and females of a uniform color as possible. This latter course is the one I have adhered to almost entirely for eight years. I know a breeder that breeds altogether for fine dark males regardless of consequences; as he claims he has more trade in that line than any other. The result is, last winter he had on exhibition at two or three of our shows at least a half dozen fine cockerels that scored well, and after that was said it was all said; he showed one female and she was about fourth rate in a show room. What was the result? Visitors would come along and ask, where are your females? Have you no good pullets for sale? He tried to excuse them by saying that they were not in condition, not old enough, etc.; but this did not satisfy; breeders knew that if he had raised any good ones he would have had them along with him. Consequently he failed to attract the attention to his exhibit that he would, had he made an exhibit of three or four good males and six to ten nice females. On the other hand breeders that work for fine females alone have to suffer for it. My plan has been to breed from as light colored females as my matings would produce, mated to the clearest male of the same class. This would produce few too dark females and but few light males. Of course, this plan of breeding takes time and care, and can not be jumped at in one season, by choosing birds of entirely different strains and crossing them. You want birds of the same breeding but not too closely related, and of good buff ancestors, buff clear to the skin, free from white under. Try my plan and see if I am not correct.

There is one thing further I would like to say about the buff Leghorns; that is, a middle of June hatch chick will make a prize winner at a late December show. Take the first cockerel at Detroit, also second at Chicago, score 93½ by Russell and Pierce, also same bird was winner of second at Bay City, score 92½, by Bicknell, was a middle of June hatch. I also

know of many others. A June hatch chick will lay the following December. Very few of the buff breeders can make this claim, and some can't hatch winners even in April and May.

Battle Creek, Mich.

GEO. S. BARNES.

THE OWEN SOUNDERS MUST GET THE "ONTARIO."

ENCLOSED please find list of officers elected at our annual meeting which was, as usual, very enthusiastic, all the old members being in line and a number of new ones. Although we did not get the "Ontario" and the fact that our next show will be the 17th, we are not tired yet and hope to make it the best yet. We have chosen the week after the "Ontario." We made our dates early so that other shows would not conflict. We will announce our judge in next issue of REVIEW.

I think poultry is going to boom here as several of our fanciers are building greater houses, among whom are Geo. Preston, who has erected a very fine house 12 x 40. Fred. Petty has erected another very fine poultry house, and we must have the "Ontario" in 1900.

Yours sincerely,

JOHN RAMSAY.

Owen Sound, April 17th, 1899.

OFFICERS.

Patrons—Hon. Wm. Patterson, Minister of Customs; G. M. Boyd, M.L.A.; Charles Gordon, Warden; W. S. Middleboro, Mayor; I. I. Thompson, Ex-Mayor; James McLaughlan, W. A. Bishop, John Frost.

Hon. President, D. Comely; Hon. Vice-President, John Miller; President, Harry Wright; Vice-President, George Preston; Secretary, John Ramsay; Treasurer, R. R. Cameron. Board of Directors—J. C. Benner, W. H. Irving, H. Wright, Jr., James Grimoldy, Charles Pratt, Fred. Petty, J. W. Currie, A. E. Rankin, John Hart.

We are holding a meeting of the Eastern Ontario Poultry Association on Friday evening next to finally fix on the date of the exhibition. I think it likely we will take fourth week in January next, though we had decided at the annual meeting on the third. Montreal has taken the third week, as Boston show is then we would have great trouble in getting a judge. Mr. Butterfield could not come the third week as he is judging at Boston.

F. H. GISBORNE.

Ottawa, April 26, 1899.



"DEWEY"
 BUFF LEGHORN COCKEREL.
 Owned and Bred by
 GEORGE S. BARNES,
 BATTLE CREEK, MICH
 1899
 FIRST - DETROIT - JAN. 3-7 - SCORE 98½
 SECOND - CHICAGO - . 9-14 - SCORE 98½
 SECOND - BAY CITY - . 16-21 - SCORE 92½

THE NATIONAL WYANDOTTE CLUB.

DURING the New York Show in 1898 a small number of Wyandotte breeders met and organized the National Wyandotte Club of America, a great deal of enthusiasm was manifested at the time, and at the New York show this year at their first annual meeting even more enthusiasm was evident. The meeting was called to order by President J. H. Drevenstedt. At the election of officers he was re-elected by acclamation; the other officers elected are as follows:—

Vice-President, J. E. White; Secretary-Treasurer, C. S. Mattison. Board of Directors—Arthur G. Duston, S. E. Gesner, F. L. Mattison, Jesse Moon,

F. A. Smith, each representing the several varieties of Wyandottes.

It was voted to hold our next meeting at Boston during the Boston show, and to offer all specials at that time.

The sole object in forming the Club was to further the interests of the Wyandotte, and it was thought by bringing the Wyandotte breeders together their united energies could accomplish what otherwise could not be attained. During the past year the exhibits of Wyandottes have largely increased both in quality and quantity throughout the country, and while it is not certain the Club has brought this about the coincident is worthy of note. It is pleasing to notice the officers

are breeders of sufficient note to warrant the support of breeders generally.

The Club is national in every sense of the word. Its first meeting was held in New York, its second will be held in Boston, its third wherever its members find it will do the most good to the greatest number, and it's quite likely the time is not far distant when every exhibition east and west will feel the pulse of the National Club. How far this can be carried out will depend largely upon the support given by the breeders. To consider, for a moment, what can be done, if the breeders of the several Wyandotte families will co-operate, can the magnitude of the Club be fully realized. It means thousands of dollars for special prizes, enlarging the breeder's business proportionately.

The National Club does not conflict in any way with specialty clubs, rather it desires to co-operate, and feels it deserves support fully as much. We feel the time has come when we should do all in our power to support the Wyandotte, and we hope every breeder in the country will join us, north, east, south and west, it makes no difference whether he be a large or small breeder, every one counts equally, the membership fee is one dollar, which should be sent to the Secretary.

ARE THE WYANDOTTES COMING TO THE FRONT, ARE THEY AT THE FRONT TO-DAY?

If you were to ask the average fancier to-day what was the leading variety, or in the show room, what variety leads, he would, undoubtedly, without hesitation, say the barred Plymouth Rock; sort of a habit we all have gotten into without, perhaps, appreciating the real facts of the case. For a moment let us indulge in a few figures. By reference to the Boston catalogue of 1898 we find in the single classes there were, barred 110, buff 37, white 70, 30 pens in addition making a total of 367 birds in Plymouth Rocks; in Wyandotte single classes, white 71, buff 37, silver 49, golden 32, 33 pens in addition making a total of 354 birds. By comparison we find there were 13 more Plymouth Rocks than Wyandottes, a very much closer comparison in 1898 than one would have thought, in fact many would have thought there was twice the difference. Now let us come to the present year, 1899. In Plymouth Rocks, single classes, we find, barred 87, buff 54, white 67, 23 pens in addition making a total

of 323 birds in Plymouth Rocks; in Wyandottes we find in single classes, white 117, buff 43, silver 37, golden 38, 36 pens in addition making a total of 415 birds. By comparison again we find that there were 92 more Wyandottes than Plymouth Rocks. To follow the matter still further we find that there has been a falling off of 68 barred Plymouth Rocks and a gain of 86 white Wyandottes, while the other varieties in both Plymouth Rocks and Wyandottes have remained about the same. It is a fact that the Wyandottes are gaining all over the country; at lesser shows than Boston this fact is strongly in evidence, I have heard it stated by our judges who travel from one show to another throughout the show season, that the Wyandottes were fast coming to the front, and the time was not far distant when they would lead in popular favor, and why should they not? In England the Wyandottes lead others, the golden and silver being the most popular. The Wyandottes as a family possess more desirable qualities than any other breed to-day. Our market men say they make the best broilers and roasters and can be brought to maturity quicker, hence more profitable in this direction, and as far as egg production is concerned they are conceded to excel when eggs are at their highest price, and from a fancy standpoint there is nothing that can compare with the silver or golden (as taste may differ.)

From an artist's view they are surely the beauty breed of all our known varieties, and again, those who prefer a solid colored fowl we find admire the white and buff; when in exhibition condition in the eye of an admirer of white fowls there is nothing whiter than a white Wyandotte; last, but not least, by any means, are the buffs. If I were to say all I could in favor of this new variety it would fill a book, and suffice by saying they are the equal of their sisters in every way and their growing popularity speaks volumes for their success.

C. S. MATTISON,
Sec'y N.W.C.

South Shaftsbury, Vt., April 13, '99.

Our dates for next show are January 16, 17, 18 and 19, 1900. Trade is fine in eggs. Most of my orders are coming through REVIEW.

Yours sincerely,
JOHN RAMSAY.
Owen Sound April 25, 1899.

WANTED—AN ANNUAL CONVENTION.

EDITOR REVIEW.

I HAVE read with interest your valuable articles along the practical line of poultry keeping, and I have been deeply interested in the various experiences related, all of which to my mind tends to point in one direction: that is that the poultrymen of this province should hold a convention similar to the dairymen and let us discuss the difficulties met in our daily work. I believe that the practical side of poultry keeping should be as carefully fostered as the fancy. We have our poultry shows and they do good work, but it seems difficult to hold a meeting to discuss poultry raising, etc. Everybody is looking after prizes and the result is a meeting is a failure.

Many of our most successful poultrymen, who make money out of producing eggs and chickens care little for our associations. They say the associations get a grant for the development of the poultry industry and do nothing to help the practical side of it. I have in mind a gentleman who has this winter cleared \$45 per month from about 350 laying hens. Now, this man would like a convention where he could hear some of our American friends discuss such branches as broilers, eggs in winter, capons, etc.

I am sure I am voicing the sentiment of the farmers and practical poultrymen when I say that we need a convention as much as the dairymen do, and if it is not practicable to hold a convention in connection with our shows, let us hold a meeting separate from them. Perhaps at first the attendance might be small, yet a large report of practical information would do much to further the development of the industry. Our British market is ready to take goods providing the quality is right, therefore it is our duty as poultrymen to educate the farmer and ourselves along the practical line as much as possible.

Yours truly, W. R. GRAHAM.
Belleville, Ont., April 12, '99.

INGERSOLL'S NEXT SHOW.

EDITOR REVIEW:—

WE have just engaged Mr. Sharp Butterfield to again judge our show, which will be held on Wednesday, Thursday and Friday, Dec. 13th, 14th and 15th, 1899. We intend to add about twenty more varieties to our show and make it a great success.

Yours truly,
S. A. GIBSON, Secretary.
Ingersoll, April 25th, 1899.

What the People Say

Two Self-Explanatory Letters from the Veteran Prize
Winner, Mr. Wm. McNeil.

(No. 1.) The London Poultry Yards,
778 Waterloo St., London, Aug. 8, 1898.

Messrs. John S. Pearce & Co., Poultry Supplies, City:
Dear Sirs,—I have been giving your Tonic Poultry Food a trial for a short time, and I think it grand for both fowls and chicks; I have, however, not been using it long enough to give it a fair test, but will do so, and let you know later on. I have given your Electric Louse Killer a fair trial, and it is the best I have ever used, and I would highly recommend it to all poultrymen. It is sure death to hen lice.

Yours truly, WM. MCNEIL.

(No. 2.) The London Poultry Yards,
778 Waterloo St., London, Dec. 10, 1898.

John S. Pearce & Co., Poultry Supplies, City:
Dear Sirs,—Early last August I used your Electric Louse Killer and also your Tonic Poultry Food. Then I did not have time to give it a fair test. Since that time I have given it a fair test, and I find your Louse Killer the best I have ever used and would highly recommend it to anyone keeping fowl. Now, about the Tonic Poultry Food I cannot speak too highly; I have given it a fair test. It is grand for keeping chicks growing and keeping them in health. For old fowl it is extra good for them in the moulting season, and when fitting them up for exhibition there is nothing better. It puts a gloss on the plumage better than any other poultry tonic or condition powder I have ever used. Use Pearce's Tonic Poultry Food and there is no danger of roup in your yards.

Yours truly, WM. MCNEIL.

Please note the dates on above letters. We need add nothing, only send for our Poultry Supply Catalogue.

John S. Pearce & Co., The Canadian Live Stock and Poultry Supply House.

119 Dundas Street and Market Square.

LONDON, ONT.

Manufacturers and Importers of and Dealers in all kinds of Poultry and Live Stock Foods and Supplies.

THE BEST FOWL FOR THE NORTH WEST?

WOULD you kindly ask the opinion of your numerous subscribers on the following questions:—

What variety of hens—in their opinions—will stand the following severe conditions that obtain in the N. W. Territories:—

1. A winter of nearly seven months with the thermometer as low as $^{\circ}50$ below zero, where it is next to impossible to prevent water from freezing in the hen house.
2. Almost absolute confinement during the above period.
3. What are most likely to give best results in egg production during these hardships?
4. Will Cornish Indian Games stand cold and confinement and lay as well as other fowls, and what are the average weights of this strain?
5. Can eggs for hatching be successfully hatched after an overland journey of nearly 2000 miles?

Yours very truly,
D. RUTLEDGE.

Kenlis, Assa., N.W.T.
[Let us have several replies from those who have had a somewhat similar experience.—ED.]



MESSRS. SPRY & MICK'S, Toronto,
Buff Leghorn Cockerel,
GOLDEN BOY,
Winner of First and Cup at the last "Ontario" show,
First Woodbridge, etc.

NOTES AND COMMENTS

WHAT "UNCLE ISAAC" SAYS.

That colored plate of Langshan cock is SIMPLY IMMENSE.
I. K. FELCH & SON.
Natick, Mass

MR. MASSIE, PORT HOPE,
writes us:—Chicks are coming out all right, and first round of young pigeons are just beginning to hatch. Season is going to be somewhat backward but we may be as far ahead at the close. Was rather surprised to have a call from Dr. Ball, late president of the "Ontario," who was in town yesterday. Yours truly,
CHAS. MASSIE.

WHERE THE "CYPHERS" GO.

Mr. Daniels informs us that the Dominion Experimental Farm at Ottawa is putting in three 220-egg size Cyphers incubators and that both the Ontario Experimental Farms are now using Cyphers exclusively.

"OULD OIRLAND WAKING UP.

The English "Rural World" notes that great efforts are being made to develop the egg industry in

Ireland in order to get some of the £4,000,000 per annum which England pays every year for eggs imported from the Continent. In the west of Ireland especially, a vast improvement is to be noticed, and the care and attention given to packing, etc., of eggs must soon tell its own tale on the English market. The eggs are collected every day, or every second day, by a central station, where they are selected according to weight and size, and packed in a manner which would delight the heart of the grumpiest Liverpool egg-dealer. The eggs are all stamped with the "Shamrock" brand, and those bearing this trademark may be boiled and eaten with the greatest confidence.

A BLACK LANGSHAN TRANSFER.

I have this day sold and shipped to G. K. Stratford & Bros., of Brantford, the black Langshan cockerel, "Brantford," winner of first at the Brantford poultry show 1899.
Yours truly,
Welland, April 12, 1899. JOHN F. HILL.

EXPENSIVE DOG MEAT.

I had two pens of my best light Brahmas killed by a dog one night last month, needless to say what happened the dog, but you will see why I am not advertising anything in light Brahmas. Orders for eggs and stock are coming in very freely.
Cornwall, April 19, 1899. CHAS. LAROSE.

TWO HUNDRED CHICKS SO FAR.

I have out over 150 buff Dotte chicks and 50 R.C. black Minorcas. Eggs are hatching exceptionally well. I purchased the first prize buff Dotte cockerel at "Ontario 99" from James Forsyth, and a fine pullet, solid buff; this bird heads first pen. I enclose you feathers from male in second pen and a hen in first pen. Have got a lot of orders and am only catching up with them now. I cannot get to shows but I want the best that's to be got.

Yours truly, E. H. PERRIN.
Newmarket, April 17, '99.

[The feathers enclosed are really a good buff.—Ed.]

MR. SAMUEL CUSHMAN

has one hundred and seventy breeding geese and has collected as many as forty eggs per day already, later

even this number he greatly exceeded. He reports several lots of goslings out and on April 14th had four hundred eggs in incubators, eighty-five per cent. of which tested fertile. There is lots of waste land in Canada that is well adapted to goose raising.

PROVINCIAL FAT STOCK SHOW.

Messrs. R. H. Essex and J. E. Meyer, we hear, will have charge of the dressed poultry at the next Provincial Fat Stock Show. The list we publish elsewhere.

IT WAS A SURPRISE

to us to learn that Mr. L. G. Jarvis had resigned his position as manager of the Poultry Department of the Ontario Agricultural College. Wherever he goes he can rest assured he has the REVIEW's best wishes.

THE POSITION

has been filled by the appointment of Mr. W. R. Graham, B.S.A., of Belleville, who has been a poultry raiser all his life, and is well known to poultrymen throughout the Province. He completed his course at the Agricultural College a few years ago and afterwards spent some time on a large poultry farm in the State of Massachusetts. Since his return to his native Province he has been engaged in the production of eggs and fowl on a large scale on his own farm in the neighborhood of Belleville for the leading markets of the Dominion, especially Montreal, and, judging from his record hitherto, as an active, energetic and thoroughly practical poultry raiser, no doubt he will prove a satisfactory man for the position. Mr. Graham enters upon his duties at once.

SHOW DATES.

Would each and every Secretary in Canada send us at once the exact dates their next shows will be held on. Do this, even if we have already published them. We will print all and thus help out those who have not yet chosen dates.

WHEN "HOMEWOOD" WINSON

next makes an appointment by mail he should name the day. There are seven days in a week, three hundred and sixty-five in a year and one extra in leap

year. Sorry we are not in the mind reading business, W., or we might have seen you.

INGERSOLL SHOW,

we learn, will be held next winter on Dec. 12, 13 and 14.

MR. S. CUSHMAN'S ADDRESS

is Pawtucket, R.I., and not Providence, as given in the article on Rhode Island Reds in this issue.

MR. W. H. KIRBY

reports a great demand for rose-comb Minorca eggs and states that eggs are hatching well.

A CANADIAN SHOW.

WHAT AN ENGLISH EDITOR THINKS OF OUR BIRDS AND METHODS.

MR. MRS. COMYNS-LEWER, in reporting the "Ontario" show for her paper, the "Feathered World," writes as follows:
TORONTO, Jan. 14, '99.

A fortnight ago, "The Feathered World's" twin sister (for so my older readers know my eldest daughter to be) and I were bidding the Old Country "good-bye" from the deck of the Cunard ss. Umbria, and to-day I pen these necessarily hasty impressions from a corner of that great Dominion where a Briton feels most "at home from home." * * * * *

As there were some hours to fill in before our train started for Toronto, we spent them in seeing a little of the city, and then leaving at 6 p.m. reached Toronto a little before noon next day. It was curious to notice on the journey how as we travelled westward, leaving the seaboard, the temperature dropped, and on reaching the Canadian soil we found the snow deep on the ground and the air keen and frosty, an invigorating contrast to the winter (?) we have had at home.

My brother, who is in business in Toronto, met us, and very soon after I made my way to the Horticultural Gardens, in the pavilion of which the poultry exhibition was held. It may be well to explain here that in consequence of this being the 25th annual exhibition of the Toronto Poultry, Pigeon and Pet Stock

Association, that invitations had been issued and accepted by the American and Ontario Poultry Associations to foregather thereat in honor of the occasion, and as a result the show was the largest ever held in Canada.

When I entered the hall about 12 o'clock I found that none of the classes had been judged, and, in fact, many of the exhibits were not penned. Judging commenced about 2 p.m. On my arrival I was introduced to Dr. A. W. Bell, chairman of the executive, who introduced me to many fanciers who were present. Amongst them I may mention Mr. I. K. Felch, the president of the American Poultry Association, Mr. Butterfield, Prof. Jarvis, all three judges (Mr. Drevenstedt was another judge but unfortunately I did not get to know him, though I expect we shall meet at Boston or New York), Mr. Meyer, Mr. Bonnicks, the president; and Messrs. Jarrott, Donovan (editor CANADIAN POULTRY REVIEW), Spry, Mick, Shales, Peirce, and others, all of whom it was a great pleasure for me to make the acquaintance of.

Well, to return to the show. The hall is a very suitable one for the purpose, though the light might be somewhat better. I do not, however, think that the exhibits were staged to the best advantage in this respect, and more use could have been made of the galleries, and thus have relieved the pressure in the body of the hall. There were several things that struck me as being very different to our shows. First, in order to save room two classes were classed together, that is to say, that a cock and hen were put in one pen if they belonged to the same exhibitor, but if an exhibitor sent one bird it was penned singly—a method not without disadvantage. Second, there were no catalogues, as they say that, by experience, they find the cost of production is greater than the return. In place of catalogues each pen was decorated with a small card giving the number of the class and pen, the name of the variety, and the name and address of owner. This system would please some who would like to see judging by catalogue adopted. Third, the pens in the poultry section were partly wooden ones and partly like ours, only with solid backs. The pens in the pigeon part have to be provided by the exhibitors, consequently the entries were not very large, being only 184 in 33 classes, which number, however, did not include Working Homers, of which there were 58

on view. I am sorry I had no time to look this section over with the judge (Mr. Johnson), who kindly offered to do so. I noticed, however, that many of the Homers, had flown good distances, and were workman-like looking birds. Shavings were used as litter, and seemed to answer well in soaking up the moisture from the excrement. It was to be regretted, however, that the litter on the floor was not swept up, as it gave an exceedingly untidy appearance to the hall. Each judge was accompanied by a steward, who was provided with a stylographic pen and a bundle of prize cards, and as each class was judged he wrote the names of the exhibitor and breed on each, with the prize awarded, and hung it up on the pen. The cards were about six inches deep by about four wide, and were ornamented all round the edge with blocks of different breeds. Cards very similar to those seen here were used for pigeons and cage birds. The feeding and watering was done by the show authorities. So much for the arrangements now for the birds:

Rocks were undoubtedly the feature of the show, the barred being especially fine, and numbered 170 in four classes. The judge, Mr. Felch, told me that the winning pullet was a beauty, and scored 95 points out of 100. On the last day of the show I went to examine her, but found that the prize cards had been taken down, so that I was unable to absolutely identify her. The first cockerel also got high praise from the judge, who pointed out the second to me as more after the English style. I was looking at the Rocks before they were judged, and was much struck at the beautiful blue, even color, for I saw no great contrasts as in English shows, the black and white birds being conspicuous by their absence. The whites and buffs were in advance of any in the Old Country as to quality, and numerically the whites struck me as being much stronger at Toronto than at any of our shows. The whites were 63 in four classes, and the buffs 36.

In WYANDOTTES, silvers were, I think, the most disappointing variety in the show. The cocks were nearly minus breast lacing, the winning cock being almost black breasted, though a slight fringe of white was apparent on some of the feathers. * The next variety that struck me as being extraordinary in quality and numbers were the POLANDS. There were 108 in eight classes, the most numerous being the buff-laced, of which there were 29, and the next in quanti-

ty were black white crested. * DORKINGS are a variety not much favored in Canada or U.S.A., but nevertheless there were 66 entries in three classes, and the quality was very good, though not equal to Palace or Dairy winners. * COCHINS and BRAHMAS differ considerably here from ours at home. Here the salient points of each variety are emphasized, as Cochiny-Brahmas are not favorably looked upon. Light Brahmas were exceedingly good but the dark were only middling. * There were two good classes of JAVAS, but ANDALUSIANS, REDCAPS and ORPINGTONS were very poor. The French varieties were not a representative lot according to our English ideas, as Houdans with Creve Cœur crests won't do for us. In the A.O. V. class some very good Silkies were shown, and the class for Sultans is a novelty here. LANGSIANS were good in color but quite small beside the giants exhibited in England. There were fifteen Dominiques, but since the Rock (barred) has come so much into favor the Dominiques have had to take a back seat. Some of the GAME were quite equal to our English exhibits but perhaps this will not be surprising when I say that many were directly imported Palace and Birmingham birds, and all bred from the best known strains in this country. Mr. J. Main was a large exhibitor in Game and I understand that every year he comes to this country to buy stock for farmers (chiefly pigs), and that he never fails to take back some good birds, too.

Messrs. Oke and McNeil seemed to have it all their own way in HAMBURGS. All varieties were represented with good typical birds. SPANISH numbered 21 in the one class provided and were of good quality, though the quantity of the face was not so much as in home exhibits, nor the quality so good. * LEGHORNS were staged with Bantams in the gallery. On the whole I was disappointed with the quality of the Leghorns. * BANTAMS were very good, and the classes were well filled, averaging nearly twenty per class. Black-reds were 46 and were a good lot, and so were all the other Game classes.

THE MONTREAL POULTRY ASSOCIATION

THE Montreal Poultry Association have added to their stock all the poultry coops belonging to the Montreal Exposition Company, having bought them, about three hundred in all, at the recent sale of the company's buildings and effects.

Last year the Association bought one hundred new coops and have now bought these, which shows that they expect a large entry next January and are preparing for it. The chief obstacle at all times to be overcome here is the lack of a proper show building.

J. P. CULLEN, Sec'y.

WINTER SHOW DATES.

THE dates so far chosen that we can learn of are as follows. Show committees should try as far as possible to avoid clashing of dates, as it must of necessity tend to lessen entries.

Woodstock	Dec. 6, 7, 8
Petrolea	Dec. 12 to 15 (Subject to change).
Ingersoll	Dec. 13, 14, 15
Hamilton,	Dec. 13, 14, 15, 16
The Ontario,	Jan. 8 to 12
Montreal,	Jan. 17 to 22
Eastern Ontario (probably)	4th week in Jan.
Stratford,	Jan. 15 to 20
Galt,	(probably), Jan. 16, 17, 18
Owen Sound,	Jan. 16 to 19
Boston,	Jan. 15 to 20
Toronto,	Feb. 7 to 10

Other secretaries of shows in Canada are requested to send dates.

PUBLISHER'S NOTES

Mr. J. H. Cayford, Box 1168, Montreal, is our Agent and Correspondent for the Province of Quebec. Any correspondence relating to subscriptions or advertising may be addressed to him.

THREE SUBSCRIPTIONS FOR \$1.00.

If you send us the names of two new subscribers together with \$1 we will extend your own subscription for one year as well as send REVIEW to the new names for one year. This makes it but 34 cents each. The only condition we make is that the names of the subscribers be new ones and not renewals. This does not apply to Toronto.

BUSINESS NOTICE. This is the season when poultrymen are preparing to get their chicks out of doors, and in order to do this find it necessary to have a well constructed outdoor brooder. Such a brooder is made by the Cyphers Incubator Company. This outdoor brooder has demonstrated its value during the past season, being constructed on pure scientific principles and embodying valuable features found in no other. Many customers have raised 100 per cent. with it. The Cyphers outdoor brooder is 5 x 3 feet with a commodious yard run, is well lighted and ventilated, has top heat with a perfect diffusion, is absolutely safe from fire and is covered with a metal roof, making it waterproof. Everything necessary for operating accompanies the brooder. The Co. is also manufacturing a 60-egg incubator, the counterpart of their larger machines. Their factory is running day and night and can't possibly keep up with their orders. C. J. Daniels has the sole agency of these goods for Canada. See his ad. and write him for description and prices.

Remember that Rigg's eggs hatch. See his ad.

A. J. Grigg changes his yearly for sale ad. (under head of Game). He has stock and eggs for sale.

Geo. H. Northup, the well known black Minorca specialist, renews his "for sale" ad. for a year. Circular of matings, etc., sent on application.

C. W. Treadgold, the Game and Game Bantam man, advertises eggs at \$3.00. He is emphatic when he states, "I find the REVIEW the PAPER OF PAPERS in the poultry business."

Spring run Poultry Yards, Dr. W. A. Crum and L. A. Logsdon, proprietors, are new claimants for a share of Canadian business. They breed several varieties of land and water fowl and have high scoring specimens in their pens. Look up their business announcement.

L. H. Meiklejohn offers buff Leghorn eggs for balance of season at \$1.00 per 13. See his new ad. for particulars.

This change came too late to appear in regular space. See large ad. elsewhere. Eggs for hatching only 50 cents a setting balance of season. From my 11 breeding pens of imported B. P. Rocks, Scott pure bred black Minorcas, large improved white Leghorns. Also all kinds bee supplies, Berkshire hogs. Will have 3000 chickens to sell from the above breeds by Oct. 1, 1899, for only 50 cents each. Give me your order for what you want early. Stock warranted to please, if not return them at my expense. 15 eggs to setting. W. H. Smith, Lock box A., Tilbury, Ont.

Mr. R. Mackay, Hamilton, one of our oldest barred Rock breeders, advertises eggs from winners at \$3.00 per setting. For particulars see his card.

CANADIAN POULTRY REVIEW.

IS PUBLISHED AT
Toronto, Ontario, Canada,
BY H. B. DONOVAN.

Terms—5% per Year, Payable in Advance.
ADVERTISING RATES.

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

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

	3 Mons.	6 Mons.	12 Mons.
One Page.....	\$30 00	\$50 00	\$75 00
Two columns.....	20 00	35 00	60 00
Half Page.....	15 00	25 00	40 00
One column.....	12 00	20 00	35 00
Half column.....	8 00	15 00	25 00
Quarter Column 6 00		10 00	15 00
One inch.....	3 00	5 00	8 00

Breeders' Directory, 1-5 col card, 1 year \$3; half year, \$2.

Advertisements contracted for at yearly or half yearly rates, if withdrawn before the expiration of the time contracted for, will be charged full rates for the time inserted.

Back and front cover pages a matter of special correspondence.

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

All communications and advertisements must be in our hands by the 15th to insure insertion in issue of same month. Address, H. B. DONOVAN, 124 Victoria Street, Toronto, Ont.

THESE RULES must be followed:

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

Unless above rules are followed we cannot guarantee correctness.

Twelve Adv. \$2.50

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 charged every month if desired.

This coupon is good for one advertisement of 30 words in the "For Sale and Exchange" column. THE CANADIAN POULTRY REVIEW, Toronto.

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

For Sale or Exchange.

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

Andalusians.

Eggs for Hatching from blue Andalusian at \$1.00 per doz. Also a few settings of Partridge Cochlin eggs at \$1.00 per setting. H. R. Walker, Dartmouth, Nova Scotia.

Bantams.

Eggs from Prize Winning black Africans, white and black Cochlin Bant at \$2.50 setting. Also for sale black African cock and cockerel. A. E. Hartley, 7 Niagara St., Brantford.

Buff Cochlin and black breasted Game Bantams for sale. Eggs \$1.50 per 13. I improve my stock every year and they are in quality exceeded by none. Correspondence invited. Satisfaction guaranteed Isaac J Rank, Tavistock, Ont.

Eggs for Hatching from prize winning Bantams, black, buff and white Pekins, golden and silver Sebrights, black tail Japanese and black Africans. Birds for sale. Bert Hicks, Woodstock, Ontario.

For Sale—Two choice black African cockerels and two black African pullets, \$1.00 each H. G. Doyle, Greer, Woodstock, Ont.

One trio black Pekins—Hen, pullet and cockerel, at great Sherbrooke show, 1st hen, 1st pullet and 2nd cockerel, whites competing with blacks, price \$8. C. Eisele, Guelph, Ont.

C. H. Propper, Edmoston, N.Y.—America's best golden and silver Sebright, white and buff faced Polish Bantams. Highest honors at New York for three years in succession. 689

Eggs from white Polish Bantams \$3 per 13, buff Cochlin Bantams \$2.25 per trio; eggs \$ per 13. Dayton Murphy, Wellington, Ont. 799

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

Brahmas.

Light Brahmas—Two cockerels, one cock, a number of dandy pullets for sale. Eggs \$2 per 13. You cannot do better. John Cameron, 23 Superior St., Brantford.

Sage & Garsides—Improved prize-winning dark Brahmas. Eggs \$3 per 13; brown Leghorn eggs \$2 per 13. Some fine dark Brahma cockerels for sale. 129 South St., London, Ont. 599

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, Ont. 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's Store, 109 Queen Street West, Toronto. Fine young Mocking Birds, warranted cocks, \$4 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.

Eggs from grand colored and well shaped buff Cochins. Yes but to the skin. Partridge Cochins of great size, color. I always try to keep my stock up to the standard and parties ordering eggs from me will not be disappointed. \$1.50 per setting. Chas. Frank, Waterloo.

Dogs.

At Stud—Collie, "Georgetown Model," by Benedict. Good head, ears and body, plenty of coat, sable and white. I won at Brandon, Man. July, 1898, 1st on bitch, 2nd on dog, 2nd on pup and diploma for kennel of 3 best Collies. Terms low. A. G. H. Luxton, Georgetown, Ont.

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.

Indian Games Males scoring 92 to 91, by Jarvis, females to 95, by Pierce and Lambert. Eggs 13, \$1.00, 26, \$2.00, 39, \$3.00. M. L. Farr II, Oil Springs, Ont. 689

Indian Game Eggs \$3 per setting. At Peterborough Poultry Show on 8 entries won 1 1sts, 1 seconds, and all specials. At Brockville (Eastern Ontario) on 7 entries won 1 1st, 3 2nds and all specials. J. H. Parsons, Osaia, 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. 200

Cockers Enclose stamp for circular of Games and galls, containing portraits of famous winners, together with notes on conditioning, feeding, dubbing, etc. Mention REVUE. H. P. Clarke, Indianapolis, Indiana. 689

Free, \$1.00 Egg Circular Games, Irish black reds, Heathwoods, Irish and Mexican grays, Tomatoes, also Rouen and Pekin ducks, Cornish Indians \$2 stock at all times. C. D. Smith, Fort Plain, N.Y. 193

All I Have Left for sale is one pair pyle Game, 1 pair pyle Bantams and 1 black red cock. Eggs, owing to demand, will be \$3 per setting, but I have them good. This is the time to set Bantams. I guarantee satisfaction. C. W. Treadgold, Blenheim, Ont.

Exhibition Games and Game Bantams B.B. red, Duckwings and Pyles of the highest quality. Two trios of Pyles, also four black red buff cockerels for sale cheap. Eggs for sale. Satisfaction guaranteed. A. J. Grigg, Jeweler, Clinton, Ont. 100

Houdans.

Houdan Eggs from pen containing prize winning pullets and hens mated to imported cock, a grand bird, large and good color, big crest and maul and well developed fifth toe. Eggs \$1.50 per setting, will send photos of breeding stock. I have some good black Tumblers which I will sell cheap or exchange for black African or Sebright Bants. Chas. Frank, Waterloo.

Javas

Black Java Eggs \$2 per 15, pen headed by grand cock, score 91, mated with 1st and 2nd pullets at Ontario show 09, and five other grand pullets. Ben. Harris, Woodbridge, Ont.

Langshans.

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. Dewey, 200 Carleton St., Toronto.

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 Cochins Bantams. A good hatch guaranteed. H. Karn, Guelph, Ont. 539

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. Dewey, 200 Carleton St., Toronto

Leghorns.

Eggs for Hatching From high scoring pen of S.C. brown Leghorns, headed by imported male and winning females. Eggs \$1.00 per 13, S. M. Gowdy, Guelph, Ont.

Eggs from a pen of buff Leghorns headed by 2nd prize cockerel and other winners at late Ontario show, \$2 per 13. 63 Lang St., Toronto, Ont.

Black Leghorns Eggs from the best pens in America only \$1.50 per 13, 15 firsts at Ontario in five years. A. G. Brown, Wainford, Ont.

Eggs for Hatching for \$1.00 per setting from my grand pens of S.C. brown and buff Leghorns scoring 91, 91, 95, 95. Six prizes out of six entries at Galt show, 1 1st, 2 2nds, 1 3rd, against very keen competition. Satisfaction guaranteed. See Feb. REVUE for prize list. W. J. Powell, Union St., Galt.

S.C. W. Leghorn Eggs, \$2.00 per 13. Pen headed by 1st cock at Ontario, 1899. Remember the male bird is half the pen, especially a cock bird, for they do not change like a cockerel. Pullets score 53 to 56, other pen headed by same cock eggs \$1.00 per 13. Good cockerel for sale \$2.50. J. & W. Barr Jewellers, Woodstock, Ont.

Buff Leghorns Exclusively Seven years selected pen "Gilt Edge" winter layers, good in fancy points, not inbred. Fifteen eggs \$1.50. H. Dunne, 112 Queen St. West, Toronto. 693

Eggs for Hatching After March 1st \$1 for 13 from 6th first-class. All birds, New Zealand brown Leghorns, also from some single comb brown Leghorns. Cressman Bros., Berlin, Ont. 591

Eggs for Hatching from brown Leghorn winning females at Ontario, Guelph, Toronto and Port Hope shows, mated to 1st 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 setting, 2 settings 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. 593

Buff Leghorns Pen headed by imported cock, first at Chicago and Detroit, 1898, with four are three hens and three pullets, scoring 93 to 94 by Pierce and Butterfield. A limited number of eggs for sale at \$1.50 per 13. J. B. Woodhall, Box 31, Theford. 593

Buff Leghorn Eggs from prize winning stock at \$2 per setting of 15. See the REVIEW for record at Peterborough and Brockville (Eastern Ontario) poultry shows, J. H. Parsons, Osaia Ont.

Utility Strain S.C. W. Leghorns. Large birds, large eggs. Yearly average 198 eggs. Incubator lots \$8 per 100. Single settings from best selected layers, \$2. R. C. Allen, 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 line with two first 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 setting. Satisfaction guaranteed. J. Bedford, 621 Parliament St., Toronto, Can. 593

Brown and Buff Leghorns—Eggs direct from the winners. See ad. elsewhere. Player, Nassagaweya. 693

Minorcas.

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

Forced to Sell Black Giant Jr., eleven pullets, five hens, two of the hens imported, all for sale cheap. Eggs from same \$1.50 per 13. A rare bargain. S. M. Clemo & Co., Welland, Ont.

For Sale As I have reserved all of my prize winning S.C. black Minorcas, I will sell eggs from the above birds after May 1st at \$1.00 per 13. All Northrup stock. J. Jarrell, Port Hope, Ont.

White Minorca and rose comb black Minorca eggs from choicest matings, \$3 per setting, \$5 for 30. A few cockerels and pullets for sale Mrs. J. G. Osborne, Fabius, N.Y. 699

Northrup'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. Bargains. Geo. H. Northrup, Box 178, Raceville, N.Y. 100

Pheasants.

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

Plymouth Rocks.

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

Saunders' Buff Rocks—Eggs \$2 per 13, \$1 per 30. One prize winning cockerel and two pullets \$5, 1 buff Leghorn cockerel \$3 (pure buff) Satisfaction guaranteed. Sid. Saunders, Box 303, Guelph.

White Plymouth Rock Cock, coming two years, fine condition, bred by Stewart, Toronto, \$2.50. E. W. Boyd, Box 7, Milton.

Buff Rock Eggs from a first-class pen at \$2 per setting. See prizes won at Peterboro and Eastern Ontario (Brockville). See March REVUE. J. H. Parsons, Osaia, Ont.

Pigeons.

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

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.

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 booted, pair yellow, red booted cock, Antwerps, pair blue checkered, Turbits, red winged cock, black winged hen; Barb's, red cock, dun hen. One golden Sebright cock. For particulars apply Geo. W. Hay, 67 Winchester St., Toronto, Ont. 599

Owls and Turbits—For sale, several nice pairs owls, blue cocks, silver and checker hens, \$3.00 a pair. Three nice yellow Turbit cocks and one red do., \$2.50 each. Bargains. Sent on approval where money is deposited and expenses paid. H. B. Donovan, Toronto.

Jacobins and Owls - We have the above varieties in all colors for sale, all prize winning birds. Satisfaction guaranteed. Address Wmugg cubinch & Buck, 21 Wellington St., Brantford.

A f w pair Flying Homors for sale \$1.00 per pair, blue checkered, good breeders and good flyers. Want two white Trumpeter cocks. Jas. McLaren, Stephen St., Owen Sound.

White Fantails Two pairs, and eight hens of the finest quality ever bred. Pair each blue and red Swallows, and two good black Magpie cocks. Best value for money of any lot in America. C. Massie, Port Hope, Ont. 240

Fancy Pigeons for sale 23 varieties. Write for what you want to W. P. Burns, 871 Colborne St., London, Ont.

Have for Sale 1 pair of fine Tumblers all colors. As I am selling out send and get my best breeders. A fine yellow Parlor cock. Massie strain. Write for prices. W. J. Broughton, Newmarket, Ont.

Fancy Pigeons for sale Pouters, Barbs, Trumpeters, Doves, Turbits, Jacobins, Fantails, Dragons and Carriers. Peruvian Guinea Pige. Satisfaction guaranteed. Best. Hacks, Woodstock, Ont.

Fantail Pigeons for sale. Yellows, both smooth head and crested, \$3.00 a pair. Blues from \$2.00 a pair up, silvers from \$2.50 a pair up. Two pairs blue checkers at \$1.50 pair, two pairs black and two pairs red and white speckled at same price. I have good stock and can give you bargains. Will take a big reduction for the lot. This is the breeding season so write quick. Geo. Jeffrey, Guelph, Ont.

Polands.

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

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. 21 St. Sulpice St., Montreal. 1099

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

Bone Cutter for sale cheap, large "Standard" with two fly wheels, in first-class running order. J. R. Hand, Fenelon Falls, Ont.

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.

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

Turkeys, Ducks and Geese.

Some Choice Pekin Drakes for sale, also Pekin duck and white Wyandotte eggs in season. Mrs. McGregor, Davisville, Ont. 699

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 29, report, for prizes won. A. G. H. Layton, Georgetown, Ont. 599

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. 599

Sale or Exchange.

Buff Wyandottes - A fine buff Wyandotte cock and three hens for \$5.00, or would take a pure bred Bull Terrier bitch in part pay. Jas. A. Livingston, Grimsby, Ont.

Eggs for Hatching - \$1.50 per 13, and 1 pay express in Ontario. From barred Plymouth Rocks, buff Leghorns and black Langshans. Will exchange a few settings. Offers. E. B. Geilfrey, Pembroke, Ont.

Cedardale Poultry Yards, Winchester, Ont. Eggs \$1.00 per setting, from buff Leghorns (Dundas and Shoemaker), Andalusians (Cosh), Spanish, Irish, B. B. R. Pit Games, Rouen ducks. Exchange bicycle for poultry. S. W. D. Frith.

Various.

No Better Birds in Canada - Eggs for hatching, Langshans \$2.00 per setting, barred Plymouth Rock \$1.00 per setting. Geo. Hope, box 33, Weston, Ont. 599

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

Partridge Cochins, barred Rocks and black Javes; eggs and stock for sale; a pen of Javes, cock and four hens, good ones; also Mastiff dog, 15 months old and a beauty. L. G. Pequegnat, New Hamburg, Ont. 11

Isaac J. Rank, of Tavistock, 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 15. 699

Wm. Daniel & Co., Plattsville, Ont. Eggs for hatching, buff and partridge Cochins, barred and white Rocks, buff, golden, black and white Wyandottes; Cornish, Indian Games, black Leghorns, golden and silver spangled Hamburgs, golden Sebright Bants., eggs all \$1.00 per 13. Our birds won 1st and special and silver cup. 599

Eggs \$1.00 per 13 from light Brahmias 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. 1899, for prizes won. A. G. H. Luxton, Georgetown. 599

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

Eggs from Select Pens of L. Brahmias, partridge Cochins, barred Rocks, white Rocks, black Minorcas, white Wyandottes, brown and white Leghorns and wild Ducks, \$1.00 per 13, \$1.50 per 25. James H. Eason, Curzey Hill, Ont. 599

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

Belleville 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 Minorcas. Malcolm Duhmage, Belleville, 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. Colin W. Campbell, Goderich Ont. 699

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, Cobourg, Ont. 599

S. and W. Wyandotte eggs for sale, \$1.50 per 13, also Pyle eggs for sale, \$3 per 13. James Philpot Guelph, Ont. 599

One B. P. Rock and two black Minorca cockerels, from prize stock. Must be sold. Eggs from my best pens \$1 per 15. W. Pemberton, Proprietor of Reporter, Delhi.

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. 599

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 those pens scoring 93. Geo. Swallow, Clinton, Ont.

Silver Wyandottes - S. C. brown Leghorns, black Minorcas, best strains in America. Eggs that will hatch winners \$1.50 a setting. 1 pay express. W. R. Brown, Kleinberg, Ont. 599

EGGS FROM BLACK MINORCAS, Durston's strain, pen headed by full brother to medal winners at last Industrial, also from barred Plymouth Rocks and light Brahmias, all good birds, \$1 per 13. Sandringham Poultry Yards. Alex. A. Fraser, Sandringham, Ont. 599

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

NATION VALLEY POULTRY YARDS - Barred Plymouth Rocks, black Minorcas, brown Leghorns. Eggs for hatching, \$1 for 13, \$3 for 28, \$6 for 100, \$10 for 200. N. G. Moodie, Chesterville, Ont., Can. 799

DO YOU WANT BARGAINS in eggs? Look up my advertisement on another page. W. W. Reid, Ayr, Ont. 100

EGGS FOR HATCHING \$2 per sitting. My 1899 matings supersede all former light Brahmias, Andalusians, golden spangled Hamburgs, silver Polish and golden Wyandottes. Write for circular. Ralph A. Williams, Ingersoll, Ont. 699

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 Crested Guin. 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, Brantford. 599

Eggs from 1st Prize Winners Toronto, Barrie, London, Guelph, and other places. Stock Al. 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. L. Reds, \$2; H. C. black Minorcas, \$2; R. C. white Minorcas, \$3; 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

Eggs From Prize Winning Strains of white Minorcas, white Wyandottes, S. C. white and brown Leghorns, after May 20th \$1.25 for all varieties. Also a few pairs of birds in white Minorcas, white and brown Leghorns and pullets in white Minorcas. Also good barred Rock hen for sale. Medd Bros., Constance, Ont. 999

Smallpox is not half so taking as our breeding pens of barred and white Rocks, black Minorcas, partridge Cochins, Pekin, Rouen ducks. Lowest score 90, highest 95. Large birds, small prices, \$1.00 per setting. Write for particulars. Gore Villa Poultry Farm, Stratford, Ont.

Eggs for Hatching from my prize winning brown, black and buff Leghorns, Red Caps, \$1.50 per 15. Rouen duck eggs \$1.00 per 11. William Wallace, Londesboro, Ont.

For Sale—Eggs from prize winners, golden Wyandottes, S. S. Hamburgs, \$2 per 13, buff Cochin Bant, \$1 per 13, also Pekin ducks \$1.50 per 11. Write for your wants. W. J. Broughton, Newmarket, Ont.

Rose Comb Black Minorcas, silver Wyandottes and snow white Rocks. Eggs \$1 per 15. Pen of silver Wyandottes for sale. W. H. Kirby, Oshawa, Ont.

Eggs from Prize Winners Only \$1 per setting, 2 settings \$1.50. Light Brahmas, buff Cochins, barred Rocks, black Minorcas, black Spanish, brown, buff and white Leghorns, Pekin duck eggs \$1 per 11. Our birds won 21 firsts and 8 seconds out of 35 entries. Satisfaction guaranteed. Alpaugh Bros., Fergus, Ont.

Buff Brahmas America's best strain, 1st at Toronto, 1st at Boston. Houdans won the New England championship silver cup. Eggs \$2 per 15. Circular. Geo. W. Dams, East Litchfield, Conn.

Eggs for Hatching from fowl bred from the best strains in Canada. I have spared neither time nor expense in perfecting the following breeds. Some of the birds in my breeding pens have taken the highest award at last winter's poultry shows. Eggs from the following pens at \$1.25 per 13: S. C. W. Leghorns, S. C. B. Leghorns, silver laced Wyandottes. Perth Poultry Yards, S. Dippel, Prop., Lestowel, Ont.

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

Buff and Black Leghorn eggs for sale, all imported birds in buff. Also B. B. R. G. Bantams, buff and blacks \$2.00 per 15, Bant \$1.00. Satisfaction guaranteed. Stock for sale at all times. Phipps Bros., Grimsby, Ont.

Do you want Winners? I have them in all varieties of Poland, Hamburgs, white Leghorns, Houdans. Stock for sale. Eggs \$2.00 per 13. Wm. Carter, Constance, Ont.

White Rock eggs, balance of season \$1.00. Cockerels for sale, also black and buff Cochin Bants. Standard stock, very cheap considering quality. C. Eisele, Guelph. 799

Eggs away down after May 10th. Brown Leghorns, black Minorcas, black Langshans, S. S. Hamburgs, Houdans, light Brahmas, S. G. Dorkings. Best strains in America. C. W. Palfreys, Campbellford, Ont.

Single Comb White and Brown Leghorns, silver laced Wyandottes, black Spanish eggs \$1.00 per 13. Our birds won first, special and silver cup. Wm. Daniel & Co., Plattsville, Ont.

Wanted.

Agents Wanted to solicit subscriptions to REVUE W. 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 Wyandottes Only Eggs for hatching from good healthy stock, free range, \$1 per 13. P. Wellington, Blackwell Station, Ont. 899

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 Wyandotte Eggs Setting \$1.00. Breeding pen headed by grand, large, rich colored cockerel, bred from Magill's first prize cock Toronto Industrial. Wm. Cann, Plattsville, Ont. 599

Now's your chance—Golden Wyandotte eggs reduced to \$1.00 per 13, or \$2.00 per 10 eggs. Hen and three pullets for sale cheap. Wm Williams, Bloomington, Ont.

For Sale—One good pen golden Wyandottes, hens and 1 cock yearlings, 2 of the hens and the cock hatched from eggs imported from better. The lot for \$6 extra cheap. Jas. Ford, Drummond, Ont.

Golden Wyandottes After May 10th eggs reduced to \$2.50 per setting. J. H. Magill, Box 162, Port Hope, Ont.

White Wyandottes A first Ontario pen, loss of 86 birds—won 1st pullet, 2nd cockerel, 1th cock, special "best pair" and special "best female" in the show. A few birds for sale. Chas. Massie, Port Hope, Ont. 100

Eggs from Prize Winning Stock White Wyandottes, Massie's strain, G. Wyandottes, Wray Bros. and Magill, Pit Games, buff Bant, Clough's. Eggs \$1.50 per setting. H. Dymont, Barrie. 399

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

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 tf

JAS. ARTHUR, breeder of silver laced Wyandottes, exclusively. Record at late Ontario show, 1st cock, 2nd and 3rd hen, 1st pullet, 2nd and 3rd cockerel. Special for best 6 male. Silver cup for best collection of Wyandottes. Eggs for sale \$3 per 13. Satisfaction guaranteed. James Arthur, 731 Lorne avenue, London. 109

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

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 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, \$3.
Buff Rocks, choice 13 eggs, \$3.
Address R. F. HOLTERMANN, Editor "Canadian Bee Journal," Brantford, Ont., tf

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.

\$1.00 Egg for Best Leghorn Cock
\$2.00 Cock and Pullet
at New York

Empire State Farm.
BROWN LEGHORNS.
ROCKS—Buff and White
GEO. H. BURGOTT,
BROWN LEGHORN SPECIALIST
NEW YORK AND MONTREAL
Lawton's Station, N. Y., U.S.A.



EGGS FOR HATCHING \$2 per 13.

BARRED ROCKS.

Eggs \$3.00 Per 13.

Pen headed by 1st prize cockerel at Hamilton, pronounced by Sharp Butterfield best bred cockerel in Canada. Mated to Leffel hen and 6 pullets from Richardson, Congen & Wells, and Leffel. My first prize pullet at Hamilton scored 93 by Butterfield. Pullet pen including 1st prize pullet 93, pullet 91, and 3 others very fine, mated to the grandest cockerel ever sent out of any yard. Only ten settings for sale.

399 R. MACKAY, HAMILTON, ONT.

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

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.
 1 and 3 hen, Ingersoll, '97; 2 hen, Brantford. Solid Buff from top of head to end of tail. And other good Bufls, 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, Nassigaweya, Ont.

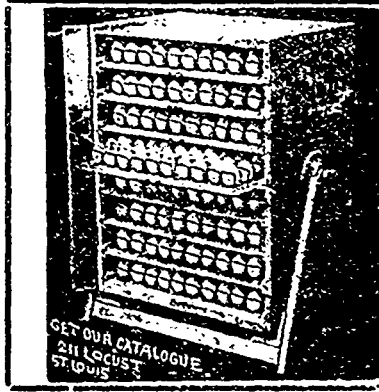
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THORNGROFT POULTRY FARM
 Dark Brahmas, Partridge Cochins, Barred Rocks, Brown and White Leghorns, Golden and Silver Polands, Houdans and S. S. Hamburgs. Our stock in the hands of customers
Have won highest honors
 at the best shows in Canada, from New Brunswick to British Columbia. EGGS \$2 per setting, 3 settings \$5. A GOOD HATCH GUARANTEED. Stock for sale. Our patrons our reference.
W.M. C. WILSON & SON, East Oro, Ont

Eggs \$1.00 per 13
 from an extra fine pen
BUFF LEGHORNS
 headed by a
SOLID BUFF COCKEREL
 sired by cock first prize winner, costing \$25.
FEMALES SOLID BUFF.
 For Black Minorcas and S.C.B. Leghorns see former adv.
L. H. MEIKLEJOHN,
 Wellman's Corners, Ont.

THIS SIZE ADV.
 One year for \$5 paid in advance. Not taken for less than a year, and must in all cases be paid in advance

ROCKS BUFF and WHITE
 EGGS \$2 for 13.
 Buff Stock from J. D. Wilson, Worcester, N.Y., and Burdick Nugget strain. Cockerels for sale.
 White - From Reliable Incubator Co. N.B. - These are exhibition stock.
 For Sale - INCUBATOR, 200-egg size Reliable \$15; BONE CUTTER, Mann, \$12.50.
 These are cheap, as I do not need them.
J. E. GRAY,
 HARRISTON, Ont.

BUFF ROCKS At Newburg, N.Y., January, 1897, we entered three birds and won first and special on cock, first on hen and first on tullet.
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.



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 We want a reliable firm to confer with us on the subject of manufacturing the Century Egg Holders. Write at once.
CENTURY EGG HOLDERS
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 are endorsed by M. K. Bover, J. Morris Maxwell, the R. P. J. and scores of prominent fanciers all over the U. S.
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SPRY & MICK
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OUR ENTIRE STOCK
 of Exhibition Game and Game
 ♦ **Bantams for Sale**
 Including all our imported and home bred birds. A grand chance to jump right into the BEST TO BE HAD. Write us for particulars. Must be sold at once at a big reduction.
ALSO ALL OUR ROUEN DUCKS
CLOSE BROS., Mitchell, Ont.

BUFF LEGHORNS
 At the Great Ontario, the cream of America competing, our birds won 1st and three Specials, including Silver Cup for Best Cockerel and Special for Best Young Pair. At Massey Hall, 1897, won 1st and Silver Cup for best cockerel and Special for best colored buff Leghorn in show, also 1st cockerel and 1st pullet, 1898. We can supply you with eggs from these grand birds at \$3 per 13, \$5 per 26. A few grand breeders for sale. We breed our winners.
SPRY & MICK,
 230 LISGAR STREET, Toronto

The Advertiser's Help

TO WEALTH

VOL. I.

TORONTO, MAY, 1899.

No. 5

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."

CAKCLE.

Keep everlastingly at it.

"In times of peace prepare for war."

In the dull season prepare for the rush.

Plain terms in an advertisement are better than Latin and Greek. All people are not classical scholars.

Prosperity is on the way, are you prepared to share in it?

To drop your ad. for a season is like closing up store in summer. Neither will pay you.

For a business man to say to the advertising solicitor: "Oh! goodness, no. It's too dull to advertise now. Wait until times pick up a little," is equivalent to a very sick person saying to a physician: "Oh! no, doctor, I can't take any of your medicine now. I'm too sick. Wait until I get better, and then I'll take it." When the patient gets well, if he ever does, he will not be in need of medicine. The best time to advertise is when the need of stimulant is the greatest, and that is when business is dull--F. J. Haskin in "Printer's Ink."

WITH OUR ADVERTISERS.

Read these--we have room for but a few this month--then sit down and do some thinking. Please note dates, no "old timers."

Mr. N. G. Moodie, Chesterville, Ont., in sending us three new subscribers, writes under date of Feb. 23, 1899:

I am very much pleased with the REVIEW as an advertising medium. It has

enabled me to sell a large number of my barred Rock cockerels and to place them where, so far, they give entire satisfaction. If REVIEW continues to do well for me I shall do all I can for it.

We are sold out of surplus cockerels; from our last ad we received answers from all quarters and made good sales, shipping all on approval and none came back.
S. M. CLEMO.

Welland, Feb. 28, 1899.

Messrs. Spry & Mick, the Toronto buff Loughorn breeders, report a most satisfactory season for sales. They have sold all surplus stock and have shipped eggs in all directions, even as far west as Edmonton.

Mr. H. G. Webster, Chatham, Ont., a friend who sends us a club of six new subscribers, writes under date of Feb. 8, 1899: "Have had good luck with all my ads. REVIEW is rapidly coming to the front, each number seems better than the last. I wish it the prosperity it so richly deserves."

I notice with pleasure the very great improvements you have made in the REVIEW this year, and, being a printer, I like seeing papers like yours improving all the time. May you be well patronized as some slight recompense for your go-a-headiveness.
W. PEMBERTON.
Delhi, Ont., Feb. 22, 1899.

W. Nevison & Son, buff Rock specialists, and old REVIEW readers, kindly send us a list of seven new subscribers from Northville, Mich.

A small advertisement in REVIEW pays well but a large one pays better.

W. W. REID.

Ayr, April 3, 1899.

I have had some good sales this season from my small ad. in REVIEW.

BERT HICKS.

Woodstock, April 3, 1899.

From the small ad. I had in last number I sold ten settings of Java eggs, that means \$20 for the small trial of 25c. I wish the REVIEW much success.

BEN. HARRIS

Woodbridge, April 13, 1899.

HOW SHE GROWS.

FROM THE FAR EAST TO THE FAR WEST.

Mr. Louis Hazard of this place kindly lent me a copy of your paper. Find one dollar enclosed for which send the CANADIAN POULTRY REVIEW to the address of George Newson, Rocky Point P.O., Prince Edward Island, and also to my address, and oblige,

R. D. TAYLOR.

Cameron Block, Charlottetown, P.E.I., Canada, April 5, 1899.

Received sample copy of CANADIAN POULTRY REVIEW. Like it very much. Enclosed find \$1.00 for which please send it to the three following addresses:

John H. Clarke, Cambridge Station, Kings Co., N.S. Freeman Rafuse, Kinsmans Cor., Kings Co., N.S. Percy A. Killam, Kinsmans Cor., Kings Co., N.S. Would like to begin with March number. Yours truly,

PERCY A. KILLAM.

March 22, 1899.

Enclosed please find the sum of one dollar, for which please send your paper to the following names: J. E. Kimberley, Rounthwaite, Man., P.O. Alex. Reid, Brandon, Man., P.O. I wish you would kindly send them the March number. I should have sent their names sooner only there are some others I expect to get but they have not put up the money yet, but will try and get them later. Yours,

W. ANDERSON.

Brandon, Man., March 10, 1899.

Enclosed find 50c subscription to your paper for one year. I have February number, kindly send January number and then my subscription will close with the December number. I am much struck with your paper and had no idea that a paper such as yours was published, and that it compares so favorably with others is also a source of gratification to me. I remain,

W. J. EDE.

Carman, Man., February 28, 1899.

Sample copies, rates, and any other information gladly sent on application to

H. B. DONOVAN,

PUBLISHER,

Toronto.