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THE CANADIAN POUULTY REVIEW

DEVOTED TO THE BREEDING AND RAISING OF POUULTY IN ALL ITS BRANCHES

FOR THE FANCIER, THE FARMER AND THE SMALL BREEDER.

Vol. XXIII.

124 VICTORIA STREET, TORONTO, APRIL, 1900.

No. 4

NOTES AND COMMENTS

THE Thorold Post says that: "Peter Steep has a Plymouth Rock hen hatched in July last, which commenced laying March 7th, and up to and including March 23rd, had missed only three days, having produced thirteen eggs in sixteen days. This is a remarkable record for an eight-months'-old fowl at this time of year, and Peter would like to hear of a better record."

We are obliged to Mr. E. H. Perrin for a nice photo of the buff Wyandotte pullet Ladysmith, also some feathers which are buff, a nice even soft color.

The next Chicago show will be held January 21 to 26, 1901. It was decided at a meeting held March 14th, that the judging will be straight comparison.

The New Brunswick Poultry Association has again failed to pay the exhibitors who patronized their show any premiums, notwithstanding they received \$100 of a grant from the Local Government.

It must be quite apparent by this time to the executive of the N.B. Poultry Association that St. John is not a poultry show town.

They kept the show open for a whole week, but the crowds came not. Better try somewhere else next time.

The above two paragraphs are from the Co-Operative Farmer. We can assure the Farmer that New Brunswick is not alone in this matter. It is the hardest work in the world to get the general public in Canada to attend a poultry show.

Mr. Will Secker has sold to Mr. W. D. Thompson, his entire stock and fixtures of the Dunbarton Poultry Yards and Mr. Thompson will in future carry on the business on the same premises, which he has leased from Mr. Secker. Announcement is made in this issue where Mr. Secker thanks his numerous customers for their support, and bespeaks a continuance of it for the new owner.

Mr. A. G. Gilbert has recently returned from meetings in Landsdowne and Gananoque. When in Gananoque the chairman of the Public School Board asked him to come with him to the High School and address the pupils on poultry and their value to the farmers as money makers. He said certainly, and had a splendid gathering of bright girls and boys, and they all seemed to take a most intelligent interest in the subject. The chairman endorsed Mr. Gilbert's

statements as to the value of poultry to farmers as swift and sure money-makers. Altogether the occasion was a most enjoyable one and is a step in the right direction.

Several of the Winnipeg poultry men sent fowl down to the St. Paul Poultry Show in the early part of February, and were successful in winning the following prizes: Geo. Wood, Louise Bridge, first and special for r.c. Leghorn cock; first and special for s.c. Leghorn pullet; first for black Spanish pullet, and fourth for s.c. Leghorn cock. Thos. Reid, Winnipeg, first for b.r. Game Bantam cockerel; first for b.r. Game Bantam pullet; second for golden Wyandotte hen, and third for black Minorca hen. C. H. Wise, third for golden Wyandotte cockerel, and fifth for Houdan hen. The Farmer remarks: "Not so slow for Manitoba."

A conference was held on March 21st at the Board of Trade Building, Toronto, of a number of the principal egg exporters of Canada. The meeting was called by Messrs. Dundas and Flavelle of Barrie, and D. Gunn of D. Gunn Bros & Co., of Toronto for the purpose of discussing prices and other matters of importance. As regards prices, no action was taken, but it was the opinion of the members that the product last

year was a little high-priced. Grievances which have bothered the exporters for some time were considered, and settled to the satisfaction of all. The chair was occupied by Mr. Flavelle, and among the fifty delegates present were: Messrs. Charles Langlois, Montreal; John M. Taylor, Montreal; Frank Hogg, Galt; John Meldrum, Montreal; William Meldrum, Montreal; W. A. Rutherford, Toronto; George Moore, Waterloo; E. Sargent, Listowel; D. Gilles, Strathroy; M. Scully, Owen Sound; J. G. Moore, St. Mary's; J. G. Scott, Barrie; John A. Wilson, Seaforth; H. B. Clemes, Port Perry, and William Richardson, Waterloo.

"I am pleased to see that the Review is forging ahead at a 2.00 minute clip. The March number is a daisy, brimful of information in all its departments." So writes Mr. Richard Oke, of little London.

Mr. Chas. LaRose, Cornwall, has bought all Mr. Secker's stock of white Indian Games.

On February 15th the delegates appointed by the various poultry associations met at the Albion Hotel prior to conferring with the Ontario Government regarding the advisability of augmenting the funds of local associations with government help. Those present were: Dr. A. W. Bell and Mr. John Chambers, Toronto; Mr. Wilson, Seaforth; Mr. Ramsay, Owen Sound; Mr. Corcoran, Stratford; Mr. Collins, Peterboro'; Mr. Tyson, Guelph; Mr. McFadden, Hamilton, and H. B. Donovan. After a conference of an hour, adjournment was made to the Parliament Buildings where arrangements were made to meet Hon. John Dryden in the afternoon. The delegation later were introduced to the Minister of Agriculture by Hon. Mr. Stratton and those appointed to speak, Dr. Bell and Mr. Collins, briefly laid their wishes before Mr.

Dryden and Mr. Stratton. The necessities and size of the industry were gone into, but candor compels us to admit that little encouragement was given by the Hon. Minister for further assistance under present conditions. In fact he did not hesitate to express himself plainly on the apparent inefficiency of the associations already receiving grants to do the work for which they were intended.

There was no disposition on the part of Hon. Mr. Dryden to deny present needs and sufficient funds will be forthcoming, we feel sure, if it can be shown to him that any money given could and would be efficiently used in the furtherance of the purely practical and commercial side of the industry.

At a brief subsequent meeting of the delegates, each promised to write Mr. Donovan, the views of his association as to what plan could be devised to lay before the government that would fairly meet with their approval, but up to date of writing—March 20th—but three have done so and their views are so divergent that it would be impossible for one man to put them into shape to please all. We would therefore advise that a strong force gather at the Industrial during the exhibition, come prepared to confer, to "give and take," give all the time necessary to come to a fairly unanimous conclusion and then wait on the Hon. Mr. Dryden with a workable and sensible plan of operations.

Mr. W. H. Kirby, of Oshawa, has purchased from Mr. E. C. Parker, of Crompton, Que., the 1st cockerel at Quebec and the 1st pullet at Quebec and Sherbrooke, in white Rocks.

Mr. C. J. Harling, of Vancouver, B.C., in writing of the recent show held there says: "Enclosed find \$2.50 for the following subscribers in Vancouver."

"I would have written sooner had it not been show time, but now the excitement is all over and things are in their usual rut again. We had an excellent show, over 500 birds on exhibition not counting bantams and pet stock. Hitchcock gave good satisfaction, cutting good and close and keeping the fancy considering for next year, some of our big breeders having a hard row to hoe with the small exhibitors. I am sorry that I have not been able to get any more subscribers. You must have a lot of subscribers out here for most of the fanciers say they take it already, anyway every little helps. In connection with the show a curious thing happened in the black Minorca awards. Four pullets tied for 1st, and the judge in deciding gave it to the lightest one of the four. Now I claim that the heaviest bird should have won (of course it was mine), according to the Standard. Would you kindly give your idea in the Review about it. I know the Standard is somewhat contradictory, but taking the last paragraph on the first page, on suggestions to judges, it distinctly mentions the Mediterranean class and that the largest bird shall win, other things being equal. Hoping to get a few more subscribers in time to come, I remain,"

Yours truly,

C. J. HARLING.

Under head of instructions to judges," the Standard says: "The Mediterranean varieties. . . all other requirements being equal, the largest bird must be given the preference. The weight clause must not be understood to mean that a small but over-fat bird is within the spirit of the Standard." If all were of standard weight the heaviest one should win. If one were cut for weight, then that is the one that should receive premier honors. This is according to the Standard.—Ed.

Mr. C. A. Stewart is one of Canada's millionaire poultry breeders who is able to spend his winters in the south. Writing us from St. Augustine, Florida, on date of February 16th, he says: "I arrived in Florida last Saturday morning, and found it just like our June and July weather back north—beautiful and warm. This would certainly be O.K. for hatching early chickens," sure, but how about raising them along about July?

Going to the other extreme, Rev. James E. Kimberly, of Rounthwaite, Manitoba, writes just ten days later than Mr. Stewart: "It might interest or astonish some of your Eastern subscribers to know that I have a brood of barred Rock chicks hatched already, the weather being extremely severe the whole of the time of incubation, varying from twenty to forty below zero, I believe, and yet ten healthy chicks from one of the best pens of barred Rocks in the country is the result, needless to say they will have every attention. The hen sat where there was no artificial heat at all, unless the heat from six big pigs can be called artificial, I expect, however, they had something to do with the result."

CORRECTIONS.

Editor Review:

Will you please correct a mistake in the list of exhibitors at the Eastern Ontario Association show at Ottawa. It now reads in the Review of March, A. A. Fraser,

Sherbrooke: it should read, A. A. Fraser, Sandringham, Ont. By doing this you will greatly oblige. I am,

Yours truly,

ALEX. A. FRASER.

Sandringham, Ont.

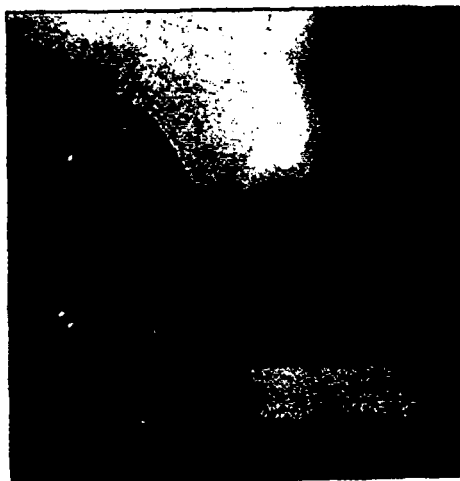
P.S.—I feel that I should add a word or two in appreciation of the Review. It is the only poultry paper I use, and could not do without it. May she still grow. Wishing you all success. A. A. F.

3rd, 94, McCormack & Millard. Brown.—Cock—1st, 90 1-2, O'Brien & Colwell; 2nd, 88, Powell; 3rd, 87 1-2, Handley Bros. Hen—1st, 95, Thompson; 2nd, 92 1-2, Handley Bros; 3rd, 92, Player. Cockerel—1st, 95, 2nd, 94, Mueller; 3rd, 93, Barlow. Pullet—1st, 95, Mueller; 2nd, 94 1-2, Player; 3rd, 94, Williams & Gibson.

Yours respectfully,

J. W. PORTEOUS,

Sec. Galt P. A.



"BROWN BESSIE,"

one of the most perfect colored Single Comb, Brown Leghorn females ever produced. Galt, Jan. 2 to 4, score 94½, 2nd prize, by Mr. L. G. Jarvis. Best colored Leghorn on exhibition: 116 Leghorns at the show. Owned and bred by W. J. PLAYER, Galt, Ont.

I notice a slight error in reporting our show in last issue which I would like you please to correct, viz., white Leghorns, S.C. cockerel—1st, 92 1-2, McCormack & Millard; 2nd, 91 1-2, Brown; 3rd, 90, Hubert. Pullet—1st, 94 1-2, Brown; 2nd, 94 1-2, Hancock;

Review's report of Hamilton show reads: Black Minorca cock 2nd prize, Rodgers, should read McCormack & Millard.

I. K. MILLARD.

Dundas.

ORCHARD SIDE POULTRY YARDS

Eggs for Hatching from W. Plymouth Rocks, S.C. white and brown Leghorns, La-fleche, Silver and Golden Pencilled Hamburgs, black Cochins, black Hamburgs, Silver and Golden Polands, Golden Sebrights and buff Pekin Bantams at \$2 per 12. Cayuga, Muscovy, Rouen and Aylesbury ducks at \$1.00 per 12. White Holland Turkeys, \$3 per 12. White Plymouth Rocks and white Leghorn eggs in incubator lots.

C. E. SMITH.
500

Fairfield Plains, Ont.

TWO HUNDRED BIRDS FOR SALE CHEAP

EVERGREEN POULTRY YARDS.

WON A GREAT VICTORY AT DETROIT SHOW,

Again I met the enemy and

won, 47 regular and 21 special prizes, including Silver Cup for best Rock cockerel. \$5 for 10 highest scoring Rocks, Bone Cutter for best display. L. Brahmans, 1st hen, 1st pullet, 3rd cock, 2nd pen, Buff Cochins, 1st and 2nd cocks, 3rd and 4th hens, 1st and 4th cockerels, 1st and 2nd pullets. 1st pen, golden Wyandottes. 2nd cock, best on weight, 2nd, 3rd hens, 1st cockerel, also winning on Buff and silver Wyandottes; all the prizes on Black African Bants, Silver Sebrights, 1st cock, 1st and 3rd hens, 1st chl, all on B. Cochins Bants. Black Tail Jap, 1st cockerel, 1st pullet for sale, \$7.00. I have mated up a pen of my best buff Cochins, headed by 1st cock, hens and pullets. Eggs from this pen \$5.00 per setting. Eggs in season from all varieties.

January 8th
to 12th.

E. H. DONNELLY, 600 - - - - - Sandwich, Ontario

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 result of his experience for the past thirty years. He will be glad to answer questions or afford information on any particular subject.

It will be learned with satisfaction that the New Brunswick Government has promised to give a grant to the Poultry Association of St. John city, in recognition of the good work done in developing the poultry interests of the province. Mr. W. A. Jack, the well-known poultry breeder and writer of St. John, says in a report to the local government, that the aforementioned poultry association is fast taking into its fold every important poultry breeder in the province. And so the good work progresses.

Speaking of Mr. W. A. Jack's report, which is to be embodied in that of the Commissioner of Agriculture for the province of New Brunswick, I can say that it is an admirable one. Practical and of literary excellence. I am sure he will be only too happy to send advance sheets for publication by you. Your numerous readers cannot fail to be interested in it. By the way, the publication of a report on poultry in the Commissioner's blue book marks a new and important phase of poultry development in the Maritime Provinces.

White Plymouth Rocks Exclusively.

I will sell eggs from my pen of prize winners at \$2 per 13. At the Lambton Poultry Show, December, 1899, my birds won two firsts, one second and a special prize in competition with forty-two white Rocks; all single entries. Ten cockerels and a few more pullets for sale.

ALBERT EDWARDS,
Petrolia, Ont.

RATIONS.

IN WHAT QUANTITY SHOULD THEY BE FED. ARE DIFFERENT QUANTITIES REQUIRED IN WARM AND COLD HOUSES? A QUESTION RAISED BY CORRESPONDENTS.

AN esteemed correspondent in the Maritime Provinces writes as follows: "I cannot imagine how you get your fowls to lay in winter on the rations given in your reports, unless it is the bone and meal which supply the requisite essentials. I could not keep fifteen laying fowls on one pound of mash or cut green bones, fed on alternate mornings, with no noon ration except the green stuff and grit and your poor ration of grain. On the quantity of mash named my fowls would be nearly starving, especially the Minorcas." Another valued correspondent says much about the same thing with the additional remark, "that it may be owing to the fact that your poultry houses are artificially heated and warmer than smaller ones, that your fowls lay in winter."

As the matter is one of very great importance in the winter production of eggs, I should like to get the views and experiences of your many veteran and skilled readers. Will they help in a good cause?

First let me explain the composition of, and quantities in which our rations of the past three months were fed and the number of hens they were divided amongst.

The fowls numbered one hundred yearling hens and ninety-

nine pullets. Thirteen pounds of mash were fed four mornings, or afternoons every week, as nearly as possible in proportion of one pound to fifteen fowls. Other mornings, cut bone in same proportion. Afternoons or mornings when mash was not fed, whole grain—generally wheat—in quantity of 6 1-2 or 7 lbs. to 100 fowls. When cut bone mash was fed in the morning, immediately afterward, a few handfuls of oats were scattered in the litter on the floors of the pens, to incite the hens to exercise. Vegetables in the shape of mangles or turnips were always in supply, as were mica grit and ground oyster shells and pure water. Frequently during the week lawn clippings (collected and cured during previous summer months) were steamed and fed in liberal quantity about 11 a.m., and were eaten with evident relish.

No noon ration was given, for none was considered necessary. If the hens became hungry about noon time, they had the vegetables to turn to.

If they had been gorged at the morning meal, again fed at noon and in the afternoon, would the laying stock be inclined, at any time, for the exercise so necessary? Or would they be as likely to eat the grit and oyster shell, so desirable and conducive to good health?

It may be said that lime—in certain quantity—was supplied in the cut bone, and anyway, both lime and grit, or finely ground oyster shells could have been mixed into and fed with the mash.

But would it have been as natural a way as allowing the fowls to supply themselves?

THE EFFECT OF THE FOREGOING RATIONS.

On the forementioned rations the following pens of yearling hens and pullets laid the number of eggs as stated during January and February. It should be stated that the temperature of the

poultry houses seldom went below freezing point. I give January and February, because winter laying did not begin with us until middle of December last year, and I have no time to give fractions of months:

	Jan.	Feb.	
8 brown Leghorn hens.....	110	103.	On 4 days 6 eggs were laid each day, and 1 day 7 eggs.
9 Brown Leghorn pullets	125	111.	On 12 days 5 eggs were laid each day and 4 days 6 eggs.
9 Black Minorca pullets.....	116	140.	On 11 days 5 eggs.
8 White Leghorn pullets	127.		On 14 days 5 eggs were laid each day and 4 days 6 eggs and 1 day 7 eggs.
8 White Wyandotte pullets	83	105.	On 4 days 6 eggs were laid each day, 2 days 5 eggs and on 14 days 4 eggs each.
8 Langshan hens	103	83.	

The above is not given as an instance of champion laying, but to show the effect of the rations given in quantities as already stated in non-freezing temperature. The effect of the rations seems to have been greater on the pullets than the older birds.

It is generally admitted that pullets will stand the most forcing. Would it have been beneficial to have pushed pullets more, when on some days six out of eight or nine, laid eggs, and in midwinter?

Last winter we pushed pullets to a greater extent, when eight barred Rock pullets did the best laying, but towards the end of January showed symptoms of an overfat condition, and one or two pullets of the Mediterranean breed died, evidently from being overstimulated.

And then we must have an eye to fertile eggs in April.

Under such circumstances it is best to feed heavily, have more eggs to sell in December, January, February and March and few fertile eggs in April, losing meanwhile some birds? Or, to feed moderately, be content with a fair percentage of eggs in winter, have a greater number of fertile eggs in spring and birds in more vigorous health?

It must be understood that I write only of fowls kept for winter layers, and where the sit-

ters of April are utilized as well as perhaps incubators with outdoor brooders in the same month.

With incubators and a brooding-house to hatch and rear early broilers, I would certainly prefer to keep a certain number of hens

to lay eggs only, for hatching purposes, and a separate lot for winter layers.

What I would like now is a thorough discussion on the two points mentioned by my respected correspondents, viz., the proper proportions of rations as suited to moderately warm and cold poultry houses.

Will my confrere, Mr. Graham, of the O. A. C.; my genial friend, Mr. Wilson, of the Toronto Poultry and Garden Produce Company, and that old timer, Frank Webber, of the Massey farm, and other mutual friends help to thrash this subject out?

Mr. J. M. Wilson, of the Toronto Poultry and Garden Produce Company, writes to know where he will be likely to get from ten to twenty thousand thorough-bred chickens in the fall to fatten for shipment. No scrubs will be wanted. What will be required will be birds which will make the superior quality of poultry. The farmers in your splendid farming district should see that the birds are supplied in quantity to fill the requirement, and they can only do so by having the thorough-bred stock to breed the chickens from.

STANDARD

With all changes made. NOW READY
Send \$1 and get one.
Address—H. B. DONOVAN, Toronto

\$2.00
Will buy a setting of 15 eggs from pen of seven
IMPORTED BLACK MINORCA
hens, which were imported direct from three leading breeders in England and average 7 pounds each pen, headed by grand large cockerel I purchased from Andrews and Santee, of Canadaigua, New York winners. This is a grand pen and should give excellent results.
C. A. MARHEW,
Merchant, Thamesville, Ont. 500

White Rocks, Buff, White and Golden Wyandottes, Buff Leghorns, and White Fantail Pigeon
Stock as good as the best, from prize-winners, All birds.
Eggs only \$1.00 a setting.
J. B. WOODHALL,
600 Thedford, Ont.

WHITE PLYMOUTH ROCKS
Premier general purpose Fowl, good winter layer, early maturing, and no dark, unsightly pin feathers when dressed
ACK MINORCAS
Second to none as prolific layers of large sweet flavored eggs.
Eggs \$1 per setting.
JOHN McDUGALL, Box 163, Collingwood Ont.
500

Elmvale Farm Norwood, Ont.,
W. H. Brethen & Sons, Proprietors.
CHALK-WHITE } Leghorns, S.C. Wyandottes.
Eggs for hatching \$2 per setting. Leghorns: 1st cock, "Big Ontario," '96 Woodcock and Ingersoll mated to winning females at Ontario, Owen Sound, Eastern Ont. (Ottawa). Wyandottes, -1st cockerel, Eastern Ont. (Ottawa 1900), mated to imported Duston hens and Massey-Duston pullets. Be sure and write us before placing your order. They are winners every time. Box 125, Norwood, Ont. 500

ANOTHER GREAT VICTORY!
on AT TORONTO'S BIG SHOW, Dec. 1899, I won 1st cock, 2nd and 3rd grand COCK-ERRELS, 2nd and 3rd pullets SILVER CUP FOR THE BEST COLLECTION also special for BEST COCKEREL, At Toronto, London and Ottawa this fall, I won 7 firsts, 4 seconds, 6 thirds.
C. A. Stewart, London, Ont. —1200

HILLMAN'S INDIANS—HEAVILY LACED AND CORRECT TYPE.
I have only one pen. They are composed of some of the best females in Canada: 1st, 2nd and 3rd pullets, Industrial; 1st and 2nd pullets, Sherbrooke; same date, 1st hen, Sherbrooke and Ottawa; also an imported cockerel (10 lbs.) and two imported hens. I have spared no expense to make this one of the best breeding pens procurable. Shall have a limited number of eggs for disposal.
JAMES HILLMAN,
600 East Angus, P.Q.

L. H. DAVIS,

PORT JEFFERSON, N. Y., BREEDER OF

PRIZE WINNING GOLDEN WYANDOTTES

EXCLUSIVELY. STOCK AND EGGS IN SEASON:

EGGS \$3.00 PER 15, \$5.00 PER 30.**Vineland Poultry Yards**BREEDER OF
PURE BRED

BARRED AND W. P. ROCKS, SILVER AND W. WYANDOTTES AND L. BRAHMAS

Silver Wyandotte pen headed by 1st prize cockerel at St. Catharines Fair; also pen of W. Wyandottes mated direct from C. C. Shoemaker and Hawkins' strains. B. and W. Rocks—I have made special arrangements to sell eggs from Mr. Stagg's famous B. Rocks which have won 2 pullet, Toronto Ind., 1899. 2nd breeding pens. Hamilton, 1900. He bred and owns Lincoln Boy, header of 1st breeding pens, Toronto, also a lot of other prize-winners in these pens. Eggs guaranteed fertile. Eggs per setting \$2.50, 2 Settings \$5. 3 Settings \$7.50.

C. FRITZ, Vineland, Ont.

Trees

FOR ORCHARD, Lawn and Garden. Ornamentals. Shrubs, Roses. See Illustrated Catalogue for Prices. Varieties, etc. **20th Year.** Best eggs for hatching. Barred and White P. Rock, Silverlaced and Golden Wyandotte, and B. Leghorn Eggs, \$1.00 per 13. White Wyandotte extra, \$1.50 per 13.

Choice Seed Potatoes, Carman Nos. 1 and 3, Am. Wonder, Great Davids, Favorite, Sir Walter, Rd. Bovee, Burpee's Late, Early Harvest, E. Pride, and others \$1 per bushel. Send for Catalogue. At the Central Nursery.

A. G. Hull & Son, St. Catharines, Ontario.**Aqueduct Poultry Yards**

Black Langshans. Matings for 1900.

YARD A. Headed by "Aqueduct Chief" (9412 by Butterfield, held, weight 12 pounds. Mated with six choice pullets. (Of the cock leading this yard, Mr. Sharp Butterfield said—see June '99 Review—"About the best I ever saw in color and very neat all over.") Will spare 3 settings of 15 eggs at \$4 per setting.

YARD B. Headed by Ingersoll (9412 as an immature cockerel, 9413 as cock) weight 11 pounds. Mated with ten grand females. Eggs, \$3 per 15.

YARD C. Headed by Emerald II (94) weighs 10-12 pounds. Is a very strong colored, high stationed cock mated to 8 females. Eggs, \$3 per 15.

One yard Buff Wyandottes. Eggs, \$2 per 15.
A few choice birds on hand at all seasons.

500

JOHN F. HILL, Welland, Ont.

**Baumann's Black Minorcas,**

On top as usual.

At Detroit Show, June 1900, S. Butterfield judge, we won: 1-2-3 cock, 1-2-3-4 cockerel, 1-2-3 hen, 1-3-4 pullet, 1-2 pen, also 20 specials. Rose Comb—1st cock, 1st hen, 1st pullet.
At Chicago Show, Jan., 1900:—1-2-3 cock, 1-3-4 cockerel, 2-3-4 hen, 5 pullet, 1st pen, 1st best dozen white eggs, \$25.00 silver cup for best display.

20 COCKERELS FROM \$1 TO \$10. EGGS \$1, \$2, \$3. SEND STAMP FOR CIRCULAR.

BELLE ISLE POULTRY YARDS, 169 Field Ave., Detroit, Mich.

* All orders to the Dominion shipped from Windsor, Ont.

WINNIPEG INDUSTRIAL.

At the first meeting of the Winnipeg Industrial Exhibition board, held on March 15th, the following were present: Messrs. A. J. Andrews, president; F. W. Thompson, vice-president; Ald. Barclay, Ald. Speirs, D. E. Sprague, Stephen Nairn, T. W. Taylor, J. T. Gordon, F. W. Drewry, G. F. Galt, I. M. Ross, J. Arbuthnot and G. H. Greig.

Arrangements were made for increased prizes in live stock and the fine arts, and a gold, a silver and a bronze medal will be given for the most novel displays made in the main hall. A fourth prize will be added for the breeders of Manitoba, the North-West and British Columbia.

The railways will give free transportation for exhibits from Manitoba and the Territories and very low rates from British Columbia and the east.

HERE IS A CONUNDRUM.
CAN ANYONE EXPLAIN IT?

MRS. WM. WALKER, of Quinn, last spring had a Toulouse egg which she thought was a monstrous size, and no doubt it was, when breaking it to use for baking, to her surprise, she found inside of the large shell a well-formed hard shell egg, the natural size. There was an egg in between shells. This is true, and something I never heard tell of before.

AMOS KELLY, Sr.

Quinn.

[We have seen several hens' eggs in similar form, and have heard of many more.—Ed.]

ANOTHER BIG EMBDEN GOOSE EGG.

MRS. JABEZ CRANSTON, of Comber, has to-day an Embden egg shell that measures 9 1/2 inches by 13 1/4 around, who can beat that? So asks Mr. Kelly.

TORONTO POULTRY AND GARDEN PRODUCE CO., LIMITED

GLENAVY FARM - DAVISVILLE, ONT.

White Wyandottes. The general purpose fowl.
Large Brown Eggs.

S.C. White Leghorns. The greatest egg producers.
Large White Eggs.

We have on hand the best White Leghorns—the great money makers as egg producing birds.

White Wyandottes—the best general purpose fowl for table and eggs; good winter layers.

We have for sale a limited number of birds in first-class condition, also eggs for setting and in incubator lots.

We aim at the best for ourselves—you will want the same.

Write for full particulars to

J. M. WILSON,

Manager,

Toronto Poultry and Garden Produce Co.,

Davisville, Ont.

Telephone 4030.

400

BRANTFORD ASSOCIATION'S ANNUAL MEETING.

NEXT SHOW WEEK FOLLOWING THE ONTARIO.

BRANTFORD Poultry, Pigeon and Pet Stock Association, held its annual meeting the 2nd of March, for the election of officers. There was a big turnout of the members, the court house being well-filled. The following officers were elected: Hon. President, Dr. Digby; president, T. A. Cox; vice-president, J. F. O'Neil; secretary, J. H. Minshall; treasurer,

- Golden Wyandottes - EGGS \$2.50 PER 13. BIRDS FOR SALE.

Four buff Rock pullets, \$2 each, or exchange for Golden Wyandottes.
Excelsior Roup Cure and Tonic. 15 cents.
Excelsior Frostline. Very healing for frosted combs and other sores. 15 cents box.
Excelsior Nest-egg and Lice-killer. 5 cents each. Agents wanted.

EXCELSIOR POULTRY YARDS,
18 Water St., Owen Sound, Ont.

E. E. Orr; directors, Newton Cosh, P. McNellis, J. M. Wilson, Robt. Middlemiss, A. B. Ion; auditors, Wm. Bell, James Bown.

After the election was over three cheers were given for the boys in South Africa, and God Save the Queen.

A special meeting was called for March 9th, to select dates and judges. The dates for our next show will be the Tuesday, Wednesday, Thursday and Friday following the Ontario. A communication was read from Mr. Collins, secretary Peterborough Poultry Association, re grants from Ontario government to local poultry associations. It was moved and seconded that the secretary answer Mr. Collins' request.

The pass word of the Brantford Poultry Association for the next three months is "Do you know where I can get a clucking hen?"

J. H. MINSHALL, Sec.

TORONTO POULTRY ASSOCIATION.

THE regular monthly meeting of the Toronto Poultry, Pigeon and Pet Stock Association, was held in Temperance Hall, March 8th, with the second vice-president, Mr. Blyth, in the chair. The attendance was not quite as large as usual, only about forty members being present.

After the usual routine business was put through, a lively discussion on buff Wyandottes took place, which proved to be very interesting.

E. J. DEWEY,
Secretary.

FULTON'S BOOK OF PIGEONS.

Reduced to \$5

Large full page engravings of all varieties.

New edition re-written right up to date. For sale by

H. B. DONOVAN, Toronto.

Just think of it!

**29 GRAND VARIETIES
Vegetable and 6 Packets**

Flower Seeds. (One Liberal Packet of each.)

ALSO

Half-Pint SWEET CORN

" WAX BEANS

" GARDEN PEAS.

ONLY . . . \$1.00
AN UNPARALLELED OFFER.



\$2.00—No. 1—Vegetable and Flower Collection—for \$1.00

- 1 pkt. Beet Turnip
- 1 " Cabbage, Express, early
- 1 " " Lupton or Imp, Vanderhaw, late
- 1 " Carrot, Long Red Coreless
- 1 " Cauliflower, Extra Early Paris
- 1 " Cucumber, Pearce's Imp. Long Green
- 1 " " Pickling
- 1 " Celery, Giant Goblen Heart
- 1 " Lettuce, Imp. Hanson
- 1 " Musk Melon, mixed varieties
- 1 " Watermelon, mixed varieties
- 1 " Vine Peach
- 1 " Onion, Yellow Globe Danvers

- 1 pkt. Onion, Large Red Witherfield
- 1 " Parsnip, Imp. Hollow Crowned
- 1 " Pepper, mixed varieties
- 1 " Pumpkin, Japanese Pie
- 1 " Parsley, Taber's Exquisite
- 1 " Radish, Scarlet Turnip
- 1 " " Long Scarlet
- 1 " Salsify or Vegetable Oyster
- 1 " Spinach, Giant Thick-Leaved
- 1 " Squash, Essex Hybrid
- 1 " " English Vegetable Marrow
- 1 " Tomato, Pearce's Princess
- 1 " Turnip, Golden Stone

- 1 pkt. each Summer Savory, Sage, Thyme
- 1-4 Pint Corn, Mammoth White Cory Sweet
- 1-2 " Beans, Kenny's Rustless
- 1-2 " Peas, Premium Gem.

FLOWER SEEDS.

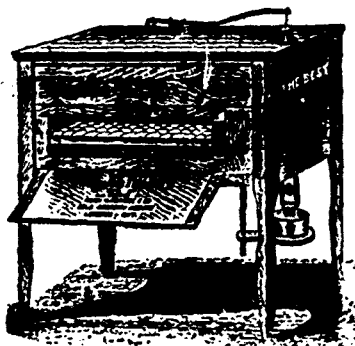
- 1 Pkt. Balsam, Best Double Mixed
- 1 " Astor, all varieties
- 1 " Mignonette, Large Flowering
- 1 " Stock, Dwarf German Ten Week, mixed
- 1 " Phlox, Grandiflora, mixed
- 1 " Nest-Egg Gourds.

Above collection contains 29 pkts. Vegetable Seeds, 6 pkts. Flower Seeds, 1-2 pt. Sweet Corn, 1-2 pt. Wax Beans, 1-2 pt. Garden Peas; sent to any address, postpaid.

March - - SPECIAL - - April

"The Best" INCUBATORS

GOLD MEDAL AWARDED.
The Highest Award Given



These Incubators have been thoroughly tested and proved to be what we claim. They are not a cheaply gotten-up machine, but the aim throughout has been to get up the BEST incubators and brooders ever put on the market. We have spared no expense whatever to make "THE BEST" the best in construction and application as well as in name. We furnish only the very best thermometers, which are well seasoned, tested, and guaranteed correct.

Some of the excellent points about "THE BEST."

1. Absence of moisture pans.
2. Diffusive ventilation and no stagnant air.
3. Nursery for the little chicks.
4. Proper application and immediate control of the temperature.
5. Absolutely fire-proof.
6. Perfectly self-regulating.

7. Uniformity of temperature all over egg
8. Small consumption of oil, thereby saving you enough in a few years to pay for the machine.
9. The moderate price we ask for it.
10. It is made in Canada by a Canadian.

50 Eggs "Ideal" \$6.50. 100 "The Best" \$13.60. 200 "The Best" \$19.12.

Free on board cars, London. Cash with order. Prompt shipment. The above are our lowest prices, so don't waste your time and ours: we are busy people. **Send for our Seed also Poultry Supply Catalogues free.**

Darch & Hunter,

Successors to **John S. Pearce & Co.**

London, Ontario.

"Seedsmen to the Canadian People."

**INCUBATORS
and BROODERS.**



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

**THE EFFECT OF COLD ON
EGGS FOR INCUBATION
—LEG WEAKNESS IN
CHICKS, ETC.**

BY G. J. LOVELL, CARLTON WEST.

NOTICE you invite contributions to this column and am sure if we would relate our experience and results of experiments in it, this would prove a most valuable help in our work.

None of us know it all. How often we work along certain lines for years, thinking we do know, only to find that conditions we ignored were the determining factors in certain results. Experimental stations in different parts of the continent have been making valuable additions to our sum total of implied knowledge, but as yet we cannot be sure that all conclusions arrived at are reliable. For instance, experiments made from time to time showed poor results from feeding corn to poultry, yet, recently one of the most prominent Experimental stations, after careful experimenting, came to the conclusion that corn gave better results than any other grain, and this, too, as to egg

production and not fat production.

A most interesting series of experiments re meat and grain vs. grain diet, have been carried out at New York Agricultural Experimental Station, and these would almost show the impossibility of successfully raising poultry, and especially ducks, without animal food. Yet many do successfully raise large flocks every year without feeding meat rations.

Recent experiments made in France apparently showed that eggs might hatch after being frozen. Eggs exposed to temperature eighteen above zero,

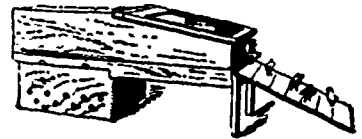


BLACK LANGSHAN COCK. FIRST AT TORONTO INDUSTRIAL, 1899. OWNED BY JNO. F. HILL, WELAND, ONT. (From a photo.)

started to develop when subjected to incubating heat, but I very much doubt that any would have hatched. I have made some investigation along this line, which all goes to show that chilling of eggs will prevent hatching. Early last spring I put in incubator twelve eggs from one party and forty-five from another. The twelve were gathered from nest, warm, the forty-five were supposed to be not chilled but cold when gathered. Of the twelve, eleven were fertile and ten hatch-

THERE ARE OTHERS.

But none other quite so good as the
Economic Brooder



It costs less, uses less oil, and raises larger percentage because it is built on correct principles. It pays to use this brooder whether you hatch with incubators or hens.

The Economic Incubator

is also a successful machine. It hatched 100 per cent. last year, and will do the same this, if you give it a chance. With improvements made this year it has no superior. Our Dominion Regula. for used will hold heat to one-fourth degree. We also sell regulator separately to fit other machines.

PRICES:

- 60-EGG INCUBATOR, size complete, . . . \$8.00
- INDOOR BROODERS, . . . \$4.00 and \$5.00
- OUTDOOR BROODERS . . . \$7.00
- DOMINION REGULATOR, by express, - \$1.75
- Best Incubator Thermometers, postpaid, - .75
- Tested Brooder Thermometers200
- (Sent by mail securely packed, at customer's risk.)
- EGG TESTERS, postpaid,30
- Incubators and brooder lamps, etc.

G. J. LOVELL & CO.,

240 ST. CLAIR AVE., - CARLTON WEST, ONTARIO

ed; of the forty-five, nineteen live-germs at sixth day and one hatched; of the forty-five, nineteen had live germs at sixth day and one hatched. These were all in same drawer in machine, so had equal chance. This year in gathering eggs, I marked those taken from nests when warm and those cold. Eggs marked warm hatched fairly well, while not one of the eggs marked cold hatched. Now this is no more conclusive than the French experiment, but would go to show that chilling does hurt the germ somewhat. The environment must be taken into account in making deductions from any experiments. I have for years thought that if pullets and hens

**SAFETY
Incubators**



are warranted self-regulating, self-ventilating to supply their own moisture, and to be absolutely fire-proof. The SAFETY LAMP for 1900 is the best and SAFEST ever put in an incubator. For further particulars write,

J. E. MEYER, - - - KOSSUTH, ONT.

**IF IT'S GOOD FOR POULTRY
WE HAVE IT**

Write for Circular of our . . .

\$5.00 INCUBATOR.

**THE CANADIAN POULTRY RAISERS
SUPPLY CO.,**

43 Scott St. - Toronto, Ont.

do not lay through winter the eggs they lay in the spring are much more likely to hatch a large percentage of strong chicks, but some of the Experimental stations have been able to show results to the contrary.

I have been trying to find cause of leg weakness in chicks, and have come to the conclusion that it is simply want of exercise. Of course feeding bone-forming rations will help to prevent it, but have never succeeded altogether in preventing it till adopting plan

CYPHERS SECTIONAL BROODERS.

THE Cyphers Sectional Brooders are made in three sizes. Reference to the illustrations will show that the heater furnished with the Cyphers Sectional Brooder is set high enough up so that no pit need be dug for the lamps to set in. When this brooder is set flat on a board floor the lamps rest directly on the floor. The floor of the Cyphers Sectional Brooder is adjustable,

DENTONIA PARK FARM.

POULTRY DEPARTMENT.

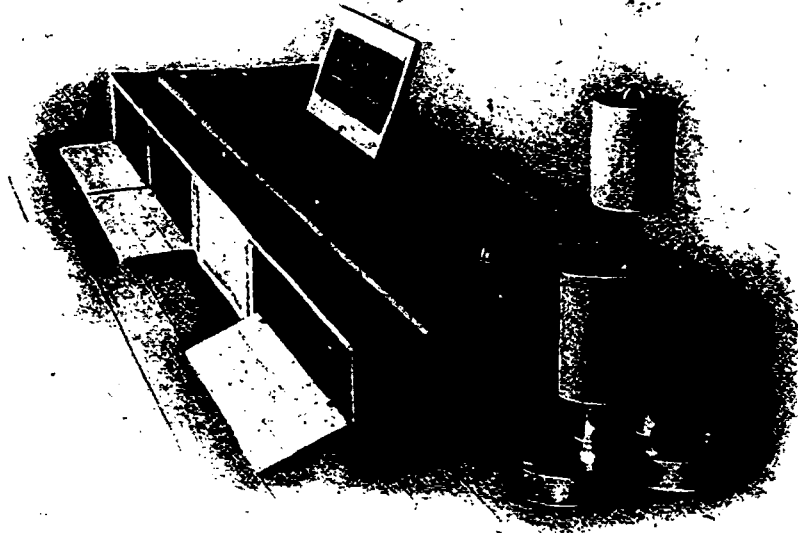
W. E. H. MASSEY, Proprietor.

Eggs from Light Brahmas, white Leghorns, brown Leghorns, buff Leghorns, blue Andalusians, barred, P Rocks, black Javas white C.B. Poland, white Langshans, black Minorcas, Pekin ducks, Embden geese, white turkeys. No geese or turkey eggs this spring. Eggs, \$2 per 15.

F. R. WEBBER, MANAGER,
East Toronto (Coleman P.O.), Ont.

400

ers are made in three sizes, viz., two sections, three sections and four sections. They are well built



THE CYPHERS IMPROVED SECTIONAL BROODER. (FOUR SECTIONS.)

of making chicks scratch for their living from the first day. Last year we raised over five hundred without a single case of leg weakness. I shall be glad to hear of experience of others along this line and will continue later on if possible.

Best Egg Raising and Leghorns and
Blue, Cuckoo and Pouter
of New York.

Empire State Farm.
BROWN LEGHORNS.
ROCKS: Buff and White.
GEO. H. BURGOFF,
BROWN LEGHORN SPECIALIST.
NEW YORK AND BOSTON
Lewins's Station, N. Y., U. S. A.

EGGS FOR HATCHING, \$2 PER 13.

so that it can be raised up to within a few inches of the hot-water pipes, or lowered, as desired, for the larger and older chicks. When the floor is raised, a runway extends down to the floor of the house, which serves a double purpose. It can and should be closed on cold nights, thus not alone preserving the heat in the brooder and keeping the chicks from wandering away from the heat, but also making the brooder absolutely rat proof.

The Cyphers Sectional Brood-

in every particular and have six over-head- hot-water pipes, three out-go and three return. The Cyphers also have an upper expansion tank, which renders them perfectly safe to operate, and are equipped with two large-sized lamps with extra width burners, thus ensuring ample heating power. The space provided for the brooding of the chicks is inclosed with heavy woolen curtains, is large in size and properly ventilated.

SOME HINTS ON ARTIFICIAL INCUBATION.

I PROMISED recently to say something about artificial incubation. Incubators are so well known, and the instructions of the makers so plainly written, that it would be somewhat supererogatory to go into the construction of any particular machine; but I will endeavor to answer a few questions, which on many occasions have been put before me. Some of them, such as,

appear. Indeed, a great deal has yet to be heard on this question of hatching, and a wide field opens to the research worker.

How can you tell fertile eggs from unfertile ones before you put them into the incubator?

I do not know; such knowledge would save a lot of time. One cannot tell much about them till the fifth day. If the eggs are from your own yards you ought to have a very shrewd idea as to their fertility or not. A little meat given three to four times a week

Read our ad. ————— EGGS FOR SALE.

From white-crested B. Polish (Taylor stock), Silver Wyandottes that are right, Red Caps that are beauties, brown and white Leghorns, white Rocks and buff Bantams, \$1.50 per 12 straight. Stock scores as high as 94 to 96 points. Walter and Thomas E. Blanchard, Grand View P.O., Ont. 400

perience I have found that it is by no means true, as is often stated, that for successful results the eggs must never be more than



THE CYPHERS IMPROVED SECTIONAL BROODER READY FOR NEWLY HATCHED CHICKS.

"How long will the incubator take to hatch?" may be thought foolish; but all have been asked in good faith, and some of the apparently very simple interrogations are not quite so silly as they

SIXTEEN YEARS' EXPERIENCE IN "ARTIFICIAL POULTRY RAISING"

AND

"The Incubator and its Use."

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

H. B. DONOVAN, - TORONTO.

will probably help matters. Reject very small or very large eggs. The first few eggs of a pullet I would rather not have. Any one with rings or wrinkles I would be inclined to place on one side. Again, eggs with a very hard shell or a very thin shell stand only a poor chance.

Are fresh eggs necessary, and if so how can you tell whether they are fresh or not?

Fresh eggs are better; they hatch rather sooner, and have as a rule stronger vitality. From ex-

three days old. I will not use the argument of the hen, who might say, when she steals her nest, that the first eggs are comparatively stale before the last ones are even laid. I maintain that the two cases of machine and hen are not parallel. Some two seasons ago I had several score of ducks' eggs that had been packed away and forgotten—not for days, but for weeks. The poultryman remarked that a few live ducks would be worth a good many stale eggs, so I placed the eggs in the draw-


ers, and had fairly good results, although some days late.

Is there any art in placing the eggs in the machine?

Yes; I think there is. Use only clean eggs. Wash them, if dirty, in tepid water, and dry afterwards. In cold weather have a piece of canvas or flannel for the eggs to rest on. If the drawer be a concave one start packing the eggs from the centre, so as to obviate any rolling about. Each row should lay partly in between the row next to it, and each egg is then directly in contact with several others. By marking the eggs on one or both sides one can see at a glance whether they have been turned. I advise only marking round the large end, as it will not interfere with the testing and the chicken, if hatched, is more easily identified.

What percentage of chickens would you consider satisfactory, and how would it compare with hens?

I should be satisfied with 80 per cent. A hundred eggs producing anything over eighty chickens I should call good. Eight hens set on a hundred eggs and producing eighty chickens, very good. The trouble of working the machine



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

RELIABLE INCUBATOR & BROODER.

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

RELIABLE INCUB & BROODER CO., QUINCY, ILL.



Toronto Incubators

Guaranteed to hatch as large a percentage as any machine built or your money back. We use better material and better workmanship than any of the much-advertised American machines. Write for our catalogue before placing your order.

Address:

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

must be set against the many risks of the fowls—such as forsaking the nest, breaking the eggs, and trampling on the chicks.

How and when do you test the eggs?

The fifth or the sixth day, and again on the fifteenth or sixteenth day. The requirements are a dark room, a fairly strong light, and a table covered with a soft, thick cloth. Whichever side the egg is resting, the embryo is always floating on the upper part. Take the egg, with the small end downwards, and with the thumb and first two fingers of the left hand; hold the egg up near the light, with the embryo facing your eye; place the right hand on the top of the egg, in order to shade the light; look through the egg. If fertile the germ will be

seen as a dark spot with blood filaments radiating from it in all directions. If unfertile the egg will be clear, looking just like a fresh one. Place the fertile eggs on one side of the cloth, the unfertile on the other end. Give the benefit of the doubt to any you are not sure of. White eggs are much easier to test than brown ones. Unfertile eggs are good for some sort of cooking, and for the chickens. The fifteenth day test. The air space now occupies a large portion of the egg. With the exception of this air space the egg should look quite dark, the line of demarcation being quite clearly defined.

Is it necessary to test twice?

I prefer it. Clear eggs are better out of the way. Again, because eggs are all right the be-

EGGS FOR HATCHING

Silver Wyandottes—Our 1st and special cockerel at the Ontario, with our winning females.
White Wyandottes—1st and special cock at Guelph, with 6 clean selected females.
Black Wyandottes—Our unbeaten cock, 1st everywhere, with 3 prize females.
Our Blue Rock pen are all imported birds: our cock is extra good in wings and tail: all are very large. We have also an extra fine pen of clear plumaged White Rocks.
Our 1st Houdan cockerel at Owen Sound (imported) and only place shown, with 4 prize females.
We have purchased the Black Cochins cockerel that headed 1st pen at New York to head our pen.
Our unbeaten #12 Black Spanish cockerel, and #1:3 hen, and #7 pullet are all in our pen.
White Faint Polish—Our cock was 1st wherever shown, our females scored to #7.
American Dominants—Our pen contains our winners of this best ALL PURPOSE FOWL.
Black Cochins Bantams—Our cock scores #1:2: two of our three hens reach #4 each.
Cayuga Ducks—We won three 1sts at Ontario in this grand variety. Eggs to suit purchasers. \$2 per 12 or \$1 per 24. Poor hatches re-filled half price.


GEO. BOGUE, Saratoga, Ont. 400

BLOOD WILL TELL

And we have it in our yards from some of the best strains in America. If you want to be on the winning side next fall in any of the following varieties get your eggs from us. We will use you right. S. C. B. Minorcas (Abbott strain), B. P. Rocks (Thompson's strain), W. Rocks, S. L. Wyandottes (Hawkins cockerel), W. Wyandottes, S. and R. C. B. Leghorns (Kulps), Rankin and Pollard Mammoth Pekin Ducks, Belgian Hares. \$1.00 a setting. F. Betschen, Palmerston, Ont. 201

Housewives and Poultrymen!

\$1.00 Bids Hens of Vermin. Buy EVAPORATING NEST

EGGS (Medicated.) No dusting fowls or painting roosts. Just place them in the nests the same as china nest eggs. They evaporate, throwing off an odor that is obnoxious and destructive to vermin and drives the lice and mites away in ten days is our guarantee. Agents wanted everywhere. Canvassing sample, 12 eggs, \$1. or descriptive circular free. Address, 



Nethaway & Miller,
201 Wahoo, Neb.

ginning of incubation, it does not follow that they remain so. False germs, feeble embryos, broken yolks, eggs not properly turned, and chills may bring about death, and subsequent putrefaction and rotteness. The question of moisture is also very important. If too much, the air space will be too small; and if too little, the egg will become dried up, showing a very long aperture on the top. My opinion is that generally the moisture business is overdone, particularly in the summer months. I am not so very keen about having much water in the tray the first eight or ten days, but certainly give a slightly steamy atmosphere now and then towards the finish, and sometimes damp the eggs with a little warm water the last few days.

In turning eggs do you turn the outside ones in the centre, and vice versa?

If the drawer should hold a hundred I should take the first three rows at one end out of the machine. The fourth row would then come where the first row was, the outside eggs being placed in the middle of the row. The three rows

you took out of the machine would come in at the other end, and so all in turn would get a good position. I should not turn the eggs at all after the ninth day except to place the small crack, which will soon be visible, uppermost. If the egg is downwards, the moisture exuding from the cracked surface might adhere the shell to the cloth, and prevent the successful exit of the chick.

I do not advise the constant fill-

to consider. All machines are best for a good clean out at end of every hatch. I do not say put down the heat, as in the full season a new batch of eggs ought to be got ready by the time the old ones are done with. With two machines to work it is sometimes economical to take out all the unfertile from both, and transfer the fertile eggs into one. If new eggs must be added, warm them for an hour or two in the drying box first, and place a piece of paper or



S. C. BROWN LEGHORN COCKEREL, "HANOVER I,"

Winner of 1st at Hamilton, 1st at Owen Sound, 1st at Stratford, and 3rd at Guelph. Owned by H. S. KIRCHNER, Hanover, Ont. This bird heads one of Kirchner & Flaunagan's breeding pens.

ing up of the machine with fresh eggs. The argument in favor is, I know, that all available space, heat, and time are being utilized to their maximum capacity. But against it we get chickens hatching off at all times, making it very difficult to know what to do with them. Then again it is difficult to tell whether you are getting anything like a successful percentage or not, when a few eggs are being put in. Thirdly, there is the question of cleanliness

wood between the new and the old, when they are put in the drawer.

DRYING BOXES.

It is not my intention to mention any particular make, but I prefer good large drying boxes, in fact something quite independent of the little trough usually provided at the top of the machine. I believe in having the chickens thoroughly strong before they are put out in the foster mother, especially during very cold weather.


Add to Your Profits

By reducing the cost of hatching. The Prairie State Incubator hatches a larger proportion of fertile eggs at less expense, and requires less attention than any other incubator. It runs itself; has the most accurate self-adjusting heat regulator, the best system of ventilation, and the only practical automatic egg-turning device. The

PRAIRIE STATE Incubator

is most scientifically constructed and most perfect working. It has received first premiums at all the biggest shows and hatching contests. 313 First Awards for incubators and brooders. Write for the biggest, best illustrated incubator book ever sent free. 50 colored plates.

PRAIRIE STATE INCUBATOR CO., Homer City, Pa.



A good dryer at this juncture is most acceptable. Whatever the heating arrangement is, keep the whole apparatus rather dark. The idea is to imitate nature. I also like the chickens to get under something. I light frame with a piece of thick woolly substance or flannel nailed over it, allowing it to hang loosely down, makes a splendid mother. The frame should be raised a few inches from the floor in order to permit the chickens to nestle underneath.

Do not attempt to feed for the first twenty-four or thirty hours. After then the first food may be given. There are various methods of management here. A little food may be given at the cool end of the drying box. The chickens may be taken out and placed in a shallow box, and a small quantity of food sprinkled about, hard-boiled egg being, perhaps, one of the most popular substances. But whatever the menage is, and I shall have plenty of suggestions to make when I have rather more space at my disposal, remember to feed little, often, and in a clean manner.—T. R. Robinson, F.S.I., in "Poultry."

BUFF COCHINS

Exclusively

My birds during the past winter have won prizes at Toronto, Eastern Ontario, Detroit and Stratford.

A few cockerels still left for sale. Eggs \$3.00 per setting.

A. W. Bell,

536 Ontario St., Toronto, Ont.

ROSY VIEW POULTRY YARDS

Nelson Wagner, Proprietor,
Hanover, Ont.

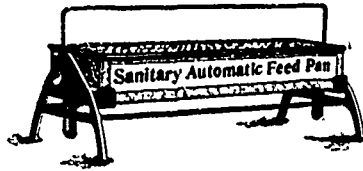
Breeder of Golden Wyandottes exclusively. Pen No. 1, headed by an imported J. A. Moon cockerel, value \$15, mated with eight good pullets (Kellar strain).

Eggs from this pen, \$1.50 per setting, two settings for \$2.50. Pen No. 2, headed by a Keller cockerel, mated with my own strain pullets. All good birds; are all healthy and strong.

Eggs from this pen, \$1 per setting straight. Stock for sale at all times. Nelson Wagner, Hanover, Ont.

SOME USEFUL UTENSILS FOR THE POULTRY HOUSE.

MR. C. J. DANIELS, Toronto, has placed on the market three handy and efficient appliances in the following:



SANITARY AUTOMATIC FEED PAN.

The Sanitary Automatic Feed Pan is made on a new principle, and is the latest and best article for feeding fowl without waste. Made from malleable iron castings, strong steel rods, and heavy galvanized iron, it is a durable, practical and efficient machine. The food saved, soon pays the cost, a comfort to the mind as well as the purse. The pan is six inches wide, eighteen inches long and about three inches deep, and is made in one piece from galvanized iron. It will not rust and is watertight. It can be used for food or water. It is easily removed from holders and easily cleaned.

The weight of the chick tips the pan a little,—the guard wire moves quickly the same way and throws the intruder out.

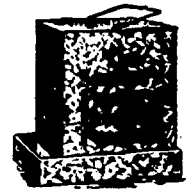


FEED PAN.

Made from heavy galvanized iron, will not rust, wired with heavy steel wire, almost indestructible, ought to last ten years. Suitable for young chicks, older chicks and for fowl.

Every poultry raiser of experience knows the importance of pure, fresh water at all times for

chicks and fowls; not only for health but also for growth and the production of eggs. Every chicken raiser knows that small chickens have a faculty for getting drowned in almost any open dish. It is a well known fact, that many poultry drinking arrangements do not tend to health and vigor by their cleanliness and that they often originate and spread diseases, many times with fatal results to the whole flock. Especially is this true of the ordinary drinking fountains which are not arranged to be cleaned inside; they become very foul in a short time. The san-



CLEANED AND FILLED IN A
MINUTE.

itary poultry fountain is so designed that it can be instantly opened and thoroughly cleaned in a few seconds, thus overcoming the greatest objection to all other drinking fountains.

Mr. C. J. Daniels has just equipped Sir William VanHorne's farm with Cyphers Incubators and brooders. The intention is to make this department a specialty on the farm and these machines were chosen as being the most suitable for the purpose. Mr. Daniels informs us that he has had an immense business so far this season in these and other appliances, far and away ahead of any former year.

E. C. PARKER, COMPTON, QUE.

Makes a specialty of S.C. and R.C. Black Minorcas and white Wyandottes that are excellent winter layers. They also take their share of prizes at the leading shows in the Province. At Sherbrooke my Minorcas took two 1sts, one 2nd and two 3rds; at Quebec, four 1sts and one 2nd. My Wyandottes took two 1sts, one special and one 3rd on four entries at Sherbrooke, and four 1sts out of five at Quebec. A few good cockerels for sale. Eggs, \$1.50 per setting, reduced to \$1 after May 1st.



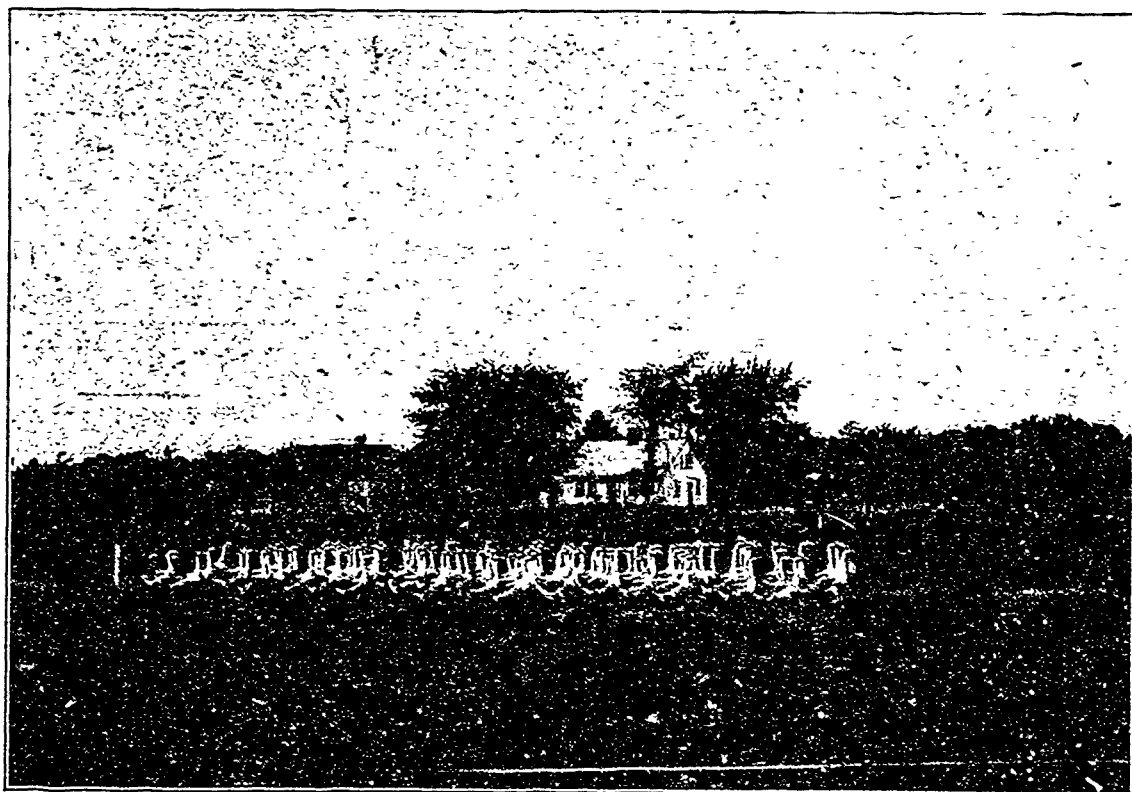
EXPERIMENTS WITH GEESE.

(Continued.)

Two eggs were laid in January by a White China Goose in yard No. 10, one on the 11th and one on the 13th of the month, and only two eggs were laid in this yard in February. Such spasmodic laying is of little value when done so early in the season. In all, twenty-three eggs were laid in February, probably by eight different geese. The largest number from any one pen was five, from a brown China goose in pen No. 2. Of the twenty-five eggs laid before March 1st, seventeen were from brown or

white Chinas, three from Africans, and five from Embdens. None of the Toulouse geese had laid. Early in March laying became quite general and by the end of the month 338 eggs had been laid by forty-three females, an average of a little over 7.8 eggs each. The Toulouse had the highest average—just 10 eggs each; brown Chinas next with 8.57X eggs each; then Africans, with an average of 7.77X; white Chinas, 7.4; and last, Embdens, with an average of 7.18X eggs each. In April a few more eggs were laid than during March, the total being 349, and the average a little more than 8.1 eggs each. The Toulouse geese lacked but one egg of averaging 11 eggs each; the brown and white Chinas also laid more eggs this month than in March, but the Embdens averaged but 6 eggs each, and the Africans only 5.1X eggs. In May the total egg production was only 262 eggs,

an average of a little over six eggs each. This month the white Chinas made the highest average, just a little over 10 eggs each, and the brown Chinas a trifle more than nine eggs each. The Toulouse average was reduced to 7.1X, the Embden average to 4.7X, and the African average to 3.1X eggs each. In June only forty eggs were laid by the forty-three females. The Africans laid no eggs, the Toulouse only one egg, the Embdens six eggs, the brown Chinas fourteen eggs—an average of two eggs each—and the white Chinas again took the lead for egg production by laying nineteen eggs—lacking only one of averaging four eggs each. The total number of eggs laid during the season was 1,014, an average of 23.58X each. In the last two columns of table 1 are given the total number of eggs obtained from each yard, and the average number from each goose.



ALL OF A KIND.—A FLOCK OF YOUNG AFRICAN GEESE LAST JULY.
SAMUEL CUSHMAN'S POULTRY FARM, WEST MANSFIELD, MASS.

In the table the females of the different breeds are grouped together and the average obtained from each breed. Brown China stands at the head for egg production, with an average of thirty-two, and white Chinas rank second, and but very little lower, their average being 31.6 eggs each. Toulouse occupy the third place, with an average of 28.1X; Embdens ave aged 18.9X, and Africans 16.3X eggs each. The geese from whose records these figures for egg production were calculated were all subject to practically like conditions as to quality of food, water, liberty, etc. The egg yields are rather low for any of the breeds, the Africans particularly falling far short of the records made in some instances.

The largest individual record was fifty eggs, laid by a white China goose in pen No. 20. The great difference in individuals is readily seen by comparing the records of the white China geese in pen No. 10 with that of pen No. 20—17.5 eggs in one instance, and 50 eggs in the other. Almost as great differences are to be found in the egg production of the different females in each breed. The highest brown China average was 42.5, and the lowest 21 eggs. The best Toulouse average was forty, and the poorest 20.5, made by two pens. The best Embden average was 23.5 eggs, and the poorest only 11 eggs.

The largest African average was twenty-two eggs, and the lowest fourteen. It is worth noting that

the three females (two Embden and one Toulouse) in pen 22, where they had the liberty of a large pasture only averaged 17.3X eggs each, or less than the average of either the Toulouse or Embden females in all the pens.

WEIGHT OF EGGS.

In order to obtain some data as to the relative size of the eggs laid by the different breeds of geese, the weights of a large number were taken, and we give a summary of the same, with calculated average weights in the following table:

This table contains the weights of 862 eggs laid by forty geese of five different breeds. The average weight of all the eggs weighed was 6.099X ounces. That is nearly three times the weight of a hen's egg, as the average weight of ninety-four eggs from Rhode Island red hens was 2.127X ounces. The largest one weighed 2.550X ounces, and the smallest one 1.640X ounces. The eggs were all selected for setting and were of good size. The largest from a setting of Plymouth Rock eggs, weighed 2.645X ounces. The Embden females in yard No. 19 laid eggs of the largest average weight, viz.: 7.219 ounces. No other geese laid eggs averaging seven ounces or over in weight.

TABLE I.—RECORD OF GOOSE EGGS LAID IN 1896.

Yard No.	MATING.		No. of Females.	Jan.	Feb.	Mar.	Apr.	May.	June.	Total.	Average.
	Male.	Female.									
7	Toulouse,	Embden.....	2	.....	.....	12	10	.....	.....	22	11
8	African,	Embden.....	2	.....	2	12	7	8	.....	29	14.5
9	Brown China,	Embden.....	4	.....	.....	31	31	32	.....	94	23.5
13	White China,	Embden.....	1	.....	.....	8	8	1	.....	17	17
19	Embden,	Embden.....	2	.....	3	16	10	11	6	46	23
Totals			11	.....	5	79	66	52	6	203	18.9
1	Toulouse,	African.....	2	.....	.....	16	12	2	.....	30	15
5	Brown China,	African.....	2	.....	3	18	13	10	.....	44	22
15	Embden	African.....	2	.....	.....	18	8	5	.....	31	15.5
17	African	African.....	3	.....	.....	18	13	11	.....	42	14
Totals			9	.....	3	70	46	28	.....	147	16.3
3	Embden,	Toulouse.....	2	.....	.....	26	23	14	.....	63	31.5
4	African,	Toulouse.....	2	.....	.....	22	11	8	.....	41	20.5
14	Brown China,	Toulouse.....	2	.....	.....	23	30	26	1	80	40
21	White China,	Toulouse.....	2	.....	.....	9	23	9	.....	41	20.5
Totals			8	.....	.....	80	87	57	1	225	28.1
2	Embden,	Brown China.	2	.....	5	11	16	15	.....	47	23.5
6	Brown China,	Brown China.	1	.....	2	8	8	3	.....	21	21
11	Toulouse,	Brown China.	2	.....	3	15	23	23	7	71	35.5
12	African,	Brown China.	2	.....	.....	26	29	23	7	85	42.5
Totals			7	.....	10	60	76	64	14	224	32.0
10	Embden,	White China.	2	2	2	9	11	9	2	35	17.5
16	White China,	White China.	1	.....	.....	15	20	27	11	73	36.5
20	Toulouse,	White China.	1	.....	3	13	13	15	6	50	50
Totals			5	2	5	37	44	51	19	158	31.6
22*	White China,	Toulouse.....	1	.....	.....	12	30	10	.....	52	17.3
	White China,	Embden.....	2	.....	.....	.....	.....	.....	.....	.....	.....

*As females of two breeds were in this pen the eggs laid are not included in the general averages. On page 357 of the Annual Report for 1896 these averages are given as 31.00 each. A careful revision of the figures has changed them as above. The number of eggs laid by the White China goose in pen 20 here includes 3 eggs laid in February which were omitted at that time.

AFRICAN GESE

25 \$5 each. Pick of the lot for exhibitions, \$8 each. A few old breeders, fair quality and heavy; also few Embdens, young and old at same price to close out; 50 common market breeding geese that were great producers last season, and will probably do better this, at \$5 pair; or male and four females now for \$12. Spare ganders all varieties on short notice. Fair African ganders that will mate promptly with any geese, \$3, \$4, \$5. Won 1st and 2nd on all three varieties at Boston, 1899: 1st and 2d on all three at last Brockton fair, and R. I. state fair, in strong competition; 1st on African and Embden at last New Bedford and South Framingham shows; 1st and 2d on Toulouse geese; and 2d and 3d on Toulouse ganders; 2d and 3d on Embden ganders, and 3d and 4th on Embden geese, at Boston, 1900. Eggs for hatching from finest old geese, either variety, March 1st to May 15th at \$1 per hen sitting of five eggs. Eggs from young geese, same varieties, if we have them, \$2.50 for five; from common market geese, \$1 for five. No guaranty, but old stock has been on the place two seasons without change, have stream to swim in every day of the year; winter has been most favorable, and chances are unusually good for success. None but cash orders booked. Inspect stock at the farm, West Mansfield, Mass., or write. Samuel Cushman, Pawtucket R. I.

AFRICAN GEESE.

ACCORDING to Samuel Cushman, William Rankin, and experiments of the Rhode Island Agricultural Experiment Station, genuine African geese are more prolific and profitable than any of the large kinds. Grow larger and faster up to the time they should be marketed than either Embdens or Toulouse goslings. Lay largest eggs of all varieties and equal the best Toulouse in number of eggs produced. Ganders are also very active and attentive, will take four times as many geese as Toulouse ganders and twice or three times as many as Embden gandens. Will mate promptly with any geese and rarely fail to insure highly fertile eggs. With good Embdens they are indispensable

in the production of best early goslings.

Mr. Cushman says, if you want lots of most marketable goslings, put good Embden males with genuine African females, or African males with large Embden or Toulouse females. A good African female has been known to produce fifty-two eggs, from which thirty-seven goslings were hatched under hens. The possibilities of the profit in goose raising by modern methods and the best breeds and crosses is not even dreamed of, even by the old goose raiser. Mr. Cushman puts all his goose eggs in incubators for the first fifteen days, and hatches them under hens and turkeys, and raises them in brooders entirely, as long as they require heat.

He raised hundreds of them in this way last season. His crosses

and inferior market geese brought him from \$32 to \$36 per sugar barrel in Boston market. This branch of the poultry industry deserves more attention in this country than it receives.

* * *

THE FAMOUS RHODE ISLAND REDS.

CELEBRATED FOR THEIR DRESSED
POULTRY AND EGGS.

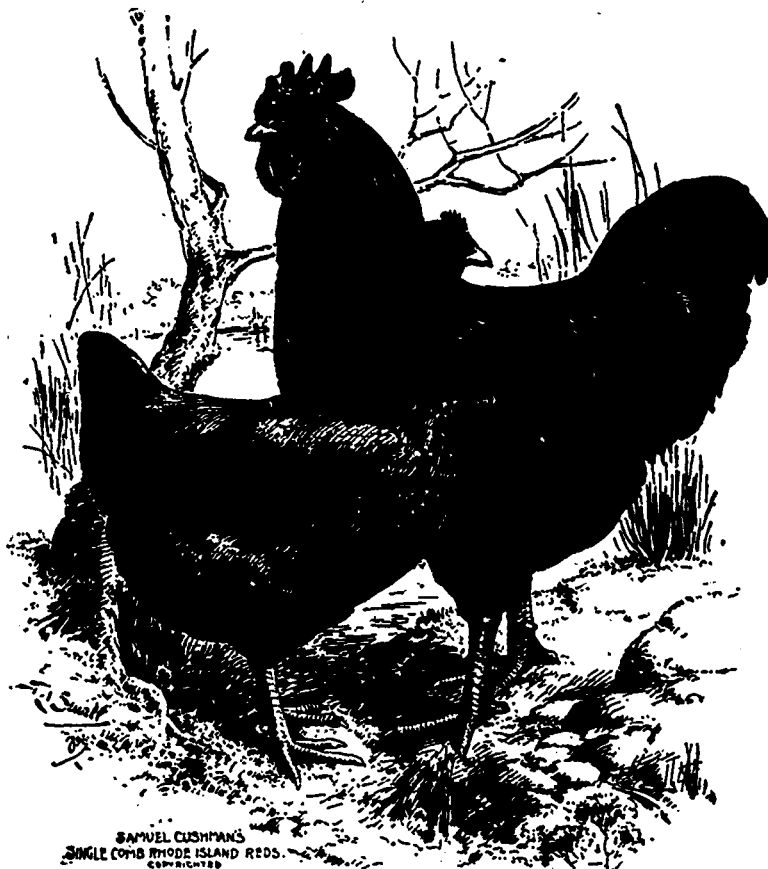
A FEW years ago Rhode Island Reds were hardly seen at exhibitions and little heard of. The quality of those exhibited at Boston, 1899, aroused much interest and the large number shown at the last show, 214 live specimens, by actual count, hundreds of their eggs, and quantities dressed attracted much attention. Two thirds of the dressed poultry prizes open to all varieties were won by them.

Their fast growing popularity astonishes poultrymen.

They have long been popular among the large egg farmers of Rhode Island, in the greatest egg producing section of the world, because they require little care and produce large thick shelled, pink tinted eggs and finest market poultry.

Their vigor, good behavior, and especially their attractive color, has caused them to be even more appreciated where they have been introduced into other states. The demand for good ones at good prices has been such that breeders are taking great pains to improve them.

Formerly rose, single and pea combs were produced from one pen, and there was great variation in color. This sort of stock is still



SAMUEL CUSHMAN'S
SINGLE COMB RHODE ISLAND REDS.
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SAMUEL CUSHMAN'S SINGLE COMB RHODE ISLAND REDS.

The 4th edition of James Rankin's Book,
**NATURAL AND ARTIFICIAL
DUCK CULTURE,**

is just out. It has been enlarged, revised and illustrated. A question bureau has been added, designed to answer all questions concerning the diseases, cure, management and feeding of the duck from shell to market. Price 25 cents

Address H. B. DONOVAN, Toronto.

to be found by tens of thousands in certain sections. While those that have procured such have almost always been suited by their excellent business qualities they are usually disappointed with their color and breeding. Several years ago a single comb strain that bred true was established and lately a rose comb variety has been perfected and is now the most popular, chiefly owing to the opinion that rose combs will stand most cold without being frozen.

It is claimed for them that they mature earlier, lay earlier, and lay larger eggs for their size than any other variety of the American class. Are also just as yellow in legs and skin, not so angular, narrow bodied or leggy when dressed and do not easily get too fat to lay. It is predicted that they may for this reason eventually supercede the popular Plymouth Rocks and Wyandottes on the farm, if not in the village back yard. We have previously illustrated the rose comb variety, and now present our readers a view of single comb prize winners exhibited at Boston by Samuel Cushman, Pawtucket, R.I.



POULTRY EXPERIMENTS.

BY J. DRYDEN, IN UTAH STATION
BULLETIN, 60.

THE experiments, which are a continuation of previous work, have to do with the relative value of year-old hens and pullets, early and late hatched pullets, and the effect of exercise on egg production; as well as a comparison of different breeds. Ten lots were used in the tests. Lots one to five each contained five rose comb brown Leghorns, lots one and two being early-hatched pullets; lots three and four, early-hatched year-old hens, and lot five-late-hatched pullets. Lot six contained three black Leghorn pullets; lot seven, five late-hatched barred Plymouth

Rock pullets; lot eight, four year-old light Brahma hens; lot nine, five late Brahma pullets, and lot ten barred Plymouth Rock pullets. Three of the lots (Nos. three, four and eight) were used in the test of the previous year. All the chickens were given in the morning a warm mash of bran, ground oats, and ground corn (2:1:1), seasoned with salt and a little cayenne pepper. During the forenoon a little whole grain (oats and wheat on alternating days) was fed, and late in the afternoon all the wheat they would eat up clean. Three times a week all the lots were given cut green bone or meat scraps. A suitable amount of green food was also supplied. The lots were kept in pens, as in the previous test. Lots two and three were fed from boxes and had no exercise. All the other lots had exercise. This consisted in scratching for the grain ration, which was scattered in straw litter. With the exception of three lots the test covered one year, beginning November 9, 1897. With lot six it began about one month later; with lot seven, about four months later, and with lot ten about two months later. Records were kept of the temperature of the poultry house. The following table summarizes the principal results of the test:

The results of this trial and those of the previous year are discussed at length. Some of the principal conclusions follow:

"The best egg record during the second year was made by a pen of brown Leghorn pullets, hatched June 10th. . . .

"As to the effect of exercise [on the amount of food required to produce a dozen eggs], contradictory results were secured. . . . Exercise had little apparent effect on the weight of the fowl, that little being a slight increase in weight. The eggs from two lots without exercise averaged four per cent. heavier than those from the two exercised lots. This confirms results of the previous year. The eggs from lots three and four weighed 3 1-3 per cent. more during their second year than during their first. The exercised lots consumed a trifle more food than those without exercise.

"The eggs from the two lots of light Brahmas weighed an average of 1.64 lbs. per dozen; those from the five lots of brown Leghorns averaged 1.46 lbs. per dozen, or about twelve per cent in favor of the former."

Eggs for Hatching—Prize light Brahmas, barred Plymouth Rocks and white Wyandottes, \$1.50 per 15. High grade white and barred Plymouth Rocks, single comb white and brown Leghorns. Eggs, \$1 per 15. Honest dealings. C. B. Huff, Delaware, Warren Co., N.Y. 400

RESULTS OF FEEDING TEST WITH CHICKENS.

Lot.		Cost of food per fowl.	Average number of eggs laid per fowl.	Value of eggs.	Cost of food per dozen eggs.	Profit on food.
WITHOUT EXERCISE.						
2	Pullets.....	Cents. 64.4	157	\$1.81	Cents. 4.9	Per cent. 185
3	Year-old hens.....	62.1	150.8	1.68	4.9	170
WITH EXERCISE.						
1	Pullets.....	67	160.2	1.91	5	182
4	Year old hens.....	66.5	114.2	1.11	7	67
5	Late-hatched pullets.....	60.5	164.6	1.78	4.4	194
6	Black Leghorn pullets.....	74.6	130	1.33	6.9	77
7	Late-hatched barred P. R. pullets...	456.7	105	1.11	6.5	97
8	Year-old light Brahmas.....	90.2	97	.96	11.1	8
9	Light Brahma pullets.....	82.9	129	1.33	7.7	37
10	Barred Plymouth Rock pullets.....	672.2	127	1.28	6.9	77

^aFor 8 months

^bFor 10 months.



FRIZZLE BANTAMS.

WE have now come to the most quaint and charming of all variety Bantams, viz., Frizzles, which, notwithstanding the fact that they have been exhibited in England nearly thirty years, have failed to "take on" in the Fancy. This is probably on account of the difficulties experienced in rearing the chicks; as the variety has been greatly inbred in order to obtain the type and character so essential in Frizzles, the stamina of the breed has been greatly weakened.

There is a great diversity of opinion as to what country this breed originated in. Some say Japan, others Friesland, whilst some ideas of their origin are both too numerous and too funny to enumerate in this article. However, their nationality matters little; they are here, and having been here so many years are likely to remain, especially seeing that both judges and fanciers are gradually beginning to appreciate their charms.

With such an enthusiastic pioneer of the variety as Mr. G. Reynor, of Thurlstone, near Penistone, who to my knowledge has exhibited them so successfully for the past seven or eight years, and who has ever been ready and willing to guarantee classes for them at the principal shows, there is every prospect of them becoming more popular. Although they have invariably to compete against many varieties, even at such shows as Dairy, Palace and Birmingham, they generally give a good account of themselves, as reference to reports will show.

The most trying time with Frizzle chickens is the period of

getting their first feathers. At this time they are difficult to rear, but when the ground is dry and sandy successful results can be obtained. Having got their first feathers they will be found quite as hardy as most varieties.

Many persons imagine that curling irons play an important part in preparing Frizzles for exhibition, and in some cases such is the case. I remember once seeing a lady manipulate with the curling irons on a white Frizzle hen for two hours one Sunday night, and although I have often heard it said that "better the day, better the deed," it was not so in this case, for this exhibit just managed to struggle into fourth place. Then, again, I remember some years ago, either during the Palace or Dairy, the latter I believe, a certain exhibitor had occasion to attend the hairdresser's shop near the show, and on entering was surprised to see a brother fancier, one of the lily-white innocent ones, too, holding a wee Frizzle pullet on the back of a chair whilst Mr. Hairdresser was assisting nature to curl the feathers. On this occasion their united labors were rewarded with success.

There are few, very few, if any of the varieties of poultry that cannot be materially improved by artificial means, and Frizzles may probably be no exception to the rule. Still in many breeds of today science in breeding has play-

ed such an important part as to leave no necessity to improve. So it is with this quaint variety; when carefully bred on scientific lines with a view to perfect the type and character, and given a thorough good wash and a nice bright fire to bring out the desired curl, there is no necessity for curling irons to "fake"—I beg pardon, I mean to assist nature.

You have no idea how careful I have to be now what I say, ever since I made that little slip of the pen and said that fifty per cent. of rosecombs were faked. You would scarcely credit it, but one solitary breeder and exhibitor way down in Suffolk began asking me questions through the Feathered World—awkward questions, too, which I was too bashful at that time to answer. But I am sliding. Frizzles appear at their best on either a warm summer day, or a sharp clear, frosty day, but the slightest fog or rain deprives them of their beautiful curls at once, the same as it does the ladies' curls when not in papers.

This is one great drawback (to the Frizzles I mean) when they have to be sent long journeys in the damp winter months.

S. C. White Leghorns Barred P. Rocks

Eggs from grand pens, winners and bred from winners. Either kind guaranteed. \$2 per 14. Fertile eggs from strong, healthy stock. Good birds for sale of both varieties.

101 JOHN CHAMBERS,
Exhibition Park, Toronto.

River View Poultry Farm

HENDERSON & BILLINGS,

Props., St. Mary's

EGGS

EGGS

EGGS

For Hatching at \$2.00 per 13.

From six of the most popular breeds—Barred and Buff Rocks, Silver L. Wyandottes, Black Spanish, Buff Leghorns and R. C. Brown Leghorns. In our pens are the best birds we ever owned, winning at the leading shows.

Birds owned by us won at Boston and New York, Toronto and Hamilton this year. See Jan. and Feb. Review for prizes won. A few birds yet for sale.

W. BARBER & CO.

Importers and Breeders of all kinds of
GAMES AND GAME BANTAMS AND FOX TERRIER DOGS.

OUR RECORD AT THE PRINCIPAL SHOWS:

Jan. 1891—New York. 12 firsts, 7 seconds, 4 V.H.C., 4 H.C., 3 ten dollars in gold, also 3 five dollars in gold. 1893—The World's Fair, Chicago. On 45 entries, won 23 firsts, 7 seconds, and 3 thirds. 1895—January—Buffalo, N.Y., 19 firsts out of 20 on Games. First on Game pen; also ten dollars in gold for best collection; also a good share of firsts on Bantams. 1897—January—The Ontario Show at London. We won more specials than all the Game and Game Bantam breeders, including the Champion Game Cup, the Cham-

pion Game Bantam Cup, and a waggon load of other specials, too numerous to mention. 1898—September—The Toronto Industrial, 14 firsts, 14 seconds, 12 thirds and two medals. 1898—September—The Western Fair, London, 14 firsts, 12 seconds and 10 thirds. 1898—September—Ottawa Central Fair, 16 firsts, 14 seconds and 15 thirds. "Ontario," Toronto, 1899, 9 firsts, 13 seconds, 14 thirds, and 6 specials. At the great New York Show, 1899, 8 firsts, 6 seconds, 3 thirds, 4 fourths and 7 specials.

BIRDS FOR SALE AT ALL TIMES AND EGGS IN SEASON.

242 Queen Street West, Toronto.

TRY AN AD IN THE REVIEW.

THOS. C. ALLEN, GLASSBORO, N.J.

J. D. NEVIUS, BEVERLY, N.J.

LYNNHURST POULTRY YARDS. ..COCHINS..

Cochin and Japanese Bantams continue to win the prizes and cups at the leading shows as they have for the past 31 years, winning this fall at the three great shows:

PHILADELPHIA, PA. HAGERSTOWN, MD. TRENTON, N.J.

Forty 1sts, Thirty-four 2ds, Eight 3ds, Two Cups and Medal.

Very Choice—Exhibition and Breeding Fowls and Chicks for Sale.

Yards at Glassboro and Beverly. Send two-cent stamp for illustrated catalogue.

Address all communications to

J. D. NEVIUS, - - - BEVERLY, N.J.

EGGS FOR HATCHING 1900

FROM HIGH SCORING BIRDS.

BARRED P. ROCKS. BLACK MINORCAS, also White Leghorns, Barred Rocks.

Eggs from "Champion Boy" B.P. Rock, \$1.50 for 15 eggs.

No. 1 Pen, headed by "Pride of Canada," No. 1, \$1.50; Nos. 2 and 3, \$1 for 15 eggs. Strains—Lefell, Thompson and Bradley Bros.

B. Minorcas, headed by "Look Me Over," No. 1 pen, \$1.50, Nos. 2 and 3, \$1 for 15. Strains—Northup & Duff.

No. 1 pen, \$1.50, Nos. 2 and 3, \$1 for 15 eggs. Strain—Scott, headed by cock costing \$17.50.

White Leghorns, headed by "White Beauty," Knapp Bros. and G. M. Smith strains. No. 1 pen, \$1.50 for 15 eggs.

Eggs for Incubators, \$4 per 100. Chickens hatched, one week old, Rocks, Minorcas, 20c. each. All Eggs warranted fresh, and guaranteed safe to destination, and to hatch well. 20 Extra fine cockerels for sale cheap.

N. H. SMITH, Tilbury, Ont.

Lock Box A.

P.S.—Berkshire Pigs, and all kinds of Bee Supplies for Sale. J. B. Lewis snow-white section, best in the world.

Frizzle Bantams throw a large percentage of plain feathered chickens which are utterly useless for exhibition, but are of invaluable service in the breeding pen; in fact, really good specimens are rarely produced without them.

The curled hens are excellent mothers and sitters, but the plain feathered ones are not to be depended on in either capacity. This seems strange, but nevertheless it is quite true.

There are several colors of Frizzle Bantams, but the whites, blacks and buffs appear to be the most popular; and, in my opinion, the first-named are decidedly the prettiest, and breed very true, whereas the other varieties throw a lot of mis-colored ones, especially in wing and tail.

Judges have no easy task at present in making the awards, as there does not appear to be a recognized standard, and prizes have in many instances been awarded to the best curled specimen irrespective of type or color. For this reason I herewith give a standard applicable to both cocks and hens.

Comb.—Single, bright red, medium in cocks, and very small in hens.

Head.—Small and neat.

Face.—Ear lobes and wattles bright red, and of smooth texture.

Eyes.—Bright red and full.

Beak.—Short, strong, yellow, or horn in whites and buffs; dark willow or black for dark varieties.

Neck.—Rather short, well arched, and in cock abundantly frilled.

Back.—Short and broad.

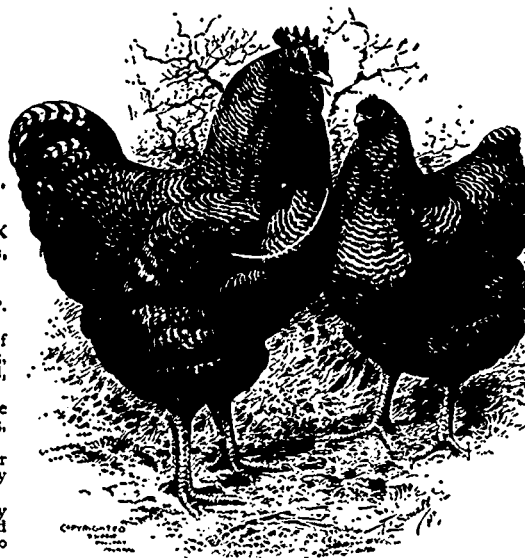
Wings.—Long and drooping.

Breast.—Very full and round.

Legs.—Very short, and quite free from feathers; yellow in buffs and whites; dark willow in dark varieties.

Feet.—Four toes, well spread.

Tail.—Rather large, very full, but loose, the cock having good sickles and plenty of side hangers.



Plumage.—Moderately long, hard, and well curled backwards towards the head, and very close.

General Shape and Carriage.—Compact, erect, active, and strutting.

Weight.—Cock, 20 to 24 oz.; hens, 14 to 17 oz.

SCALE OF POINTS.

A perfect bird, 100 points:

Points to be deducted for defects, viz.:

Bad head and comb.....	5
Bad feet and legs.....	5
Defective color of plumage..	20
Insufficiency of curl.....	25
Soft feather	15
Want of symmetry.....	10
Want of condition.....	10
Incorrect size and weight....	10

100

To breed Frizzle Bantams it is advisable to have two breeding pens; this is only necessary on account of getting curl, as one breeding pen if properly mated will produce both good cockerels and pullets.

No. 1 pen should consist of a hard-feathered, well-curved cock, short in back, full in frill and breast, with short legs of the standard color; mate to him two small well-curved hens and two plain feathered hens or pullets, whose appearance should be as round and as squat as possible.

No. 2 should consist of a cock similar to above, but plain in feather and very full feathered; to him mate three or four well-curved hens, the closer in curl the better. The plain pullets in No. 1 pen I should use with the best curled cock the following season.

It is no use trying to rear Frizzle chickens in February or March; it will only be labor in vain. The months of May and June are most suitable for this variety in England, especially in the northern counties, and not earlier than April in the south.—P. Proud, in Feathered World.

ANCONAS.

THE STANDARD REVISED AND ADOPTED IN ENGLAND AT A MEETING HELD AT THE DAIRY SHOW ON OCTOBER 18th, 1899.

General Characteristics.—Cock —Head deep, moderate in length, rather inclined to width, carried well back. Beak medium, moderate curve. Eye bright and prominent. Comb single, medium, upright, with deep broad even serrations (5 to 7) forming a regular curve, coming well back and following line of head, free from excrescences. Face bright red. Ear-lobe medium, inclined to almond shape, free from folds. Wattles long, fine in texture; in proportion to comb. Neck long, nicely arched, well covered with hackle. Body broad, tapering to tail, close and compact. Back moderate length. Wings large, carried well tucked up. Breast full and broad, carried well forward and upward. Legs and feet medium length, strong, set well apart, clear of feathers, thigh not much seen. Toes four, rather long and thin, well spread out. Tail full, carried well out. Size and weight medium; full grown birds about 5 to 6 lbs. Carriage, alert, bold, active. General appearance good beetle-green ground, tipped with white, no inclination to lacing.

Hen.—Head moderate length, rather broad. Eye bright and prominent. Comb medium, falling on one side, partly hiding face, free from excrescences, broad serrations, fine in texture. Face bright red. Ear-lobe medium. Wattles medium length, well rounded, fine in texture. Neck medium length, carried well up. Body round and compact, with greater posterior development than cock. Back rather long and broad. Wings large, carried close to body. Breast full and prominent. Legs and feet same as cock. Toes same as cock. Tail neat, carried well out. Size and weight medium, about 4 to 5 lb. Carriage lively, active. General ap-

pearance good beetle-green ground, tipped with white, no inclination to lacing.

Color.—Beak yellow with black or horn colored shadings; a wholly yellow beak not desirable—see "Defects." Eye iris, orange red; pupil, hazel. Comb, face and wattles bright red, face free from white. Ear-lobe white. Legs yellow mottled, the even-er mottled the better.

Plumage.—The more evenly mottled throughout with beetle-green and white the better, provided the ground color is beetle-green.

Scale of Points.—Eye 5, comb 10, ear-lobes 10, tail 10, legs 10, evenness in mottling 25; beetle-green color 20, condition 10; total 100.

Defects.—Yellow legs 5, yellow beak 5; ear-lobes other than white 10.

Disqualification.—White in face.

BUFF ROCKS EXCLUSIVELY ESSEX AND FORSYTH STRAINS



"EMERSON"—From Life.

Many times a Winner: Toronto Industrial Exhibition, 1898; 1899; Toronto Winter Show, 1898; London, 1898; Ontario, 1899, heads one yard, mated to a pen of extra fine pullets.

IMPORTED FORSYTH COCK

heads another yard mated to a pen of beautiful pullets.

Two other yards are mated with cockerels and hens of the above strains.

These birds have been carefully selected and mated for best breeding results.

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3 Cockerels, Forsyth Strain, for sale, \$2.50 each

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Eggs from Prize Matings. Golden Wyandottes.

No. 1 pen, \$2.00 per 15. No. 2 pen, \$1.25 per 15. White Wyandottes, \$1.00 per 13. White Rocks, No. 1 pen, \$1.50 per 15; No. 2 pen, \$1.00 per 13

Any person entrusting their orders with us we will please them.

HERTEL BROS.,

Hanover, Ont.

P.O. BOX, 46.



Black Spanish and Buff Cochins eggs; fresh carefully shipped. Satisfaction guaranteed.
F. C. HARE, Whitby, Ont.

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Such was the evidence of their overwhelming victory at Guelph and Galt. On my S. C. Brown Leghorns I won at Guelph, out of 4 entries, 1st cockerel, and 2nd and 3rd pullets. At Galt, out of four entries, 1st and 2nd cockerels, scores 95 1-2-94, and 1st pullet, score 95, by Jarvis, also special for best cockerel and special for best pullet. My Barred Rocks are of high-class stock. Stock for sale at all times. Eggs in season. Barred Rock eggs, \$2 per 15. S. C. Brown Leghorn eggs, \$1.50 per 15.



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At Ohio State Show, Columbia, O., Jan. 18 to 23, 1900, on 31 entries. White P. Rocks, 1st and 2nd hen, 2nd cock, 4th cockerel and 4th pen and special for best trio. Buff P. Rocks, 4th hen (trio only shown). S. L. Wyandottes, 1st and 2nd pullet, 2nd cockerel, 2nd pen. Buff Wyandottes, 2nd and 3rd pullets, 2nd hen, 2nd cock, 2nd pen, 4th cockerel. White Wyandottes, 1st pullet, 3rd hen, 3rd

pen. Toulouse geese, 1st goose (young), 1st gander (young). Embden, 1st goose (young) and 1st gander (young). Pair of each only shown. Also winners of highest honors at Toledo and Carey, O., shows. If you are in need of winners, or eggs from which to hatch winners, write us for new catalogue, and we can supply you, with a guarantee to please. Mention Canadian Poultry Review. 400

Lucknow Poultry Yards.

We have grand pens mated containing winners at such shows as "New York," "The Ontario," "Toronto," "London," "Ottawa," "Montreal," and others. We started our strains with birds from the most noted breeders. This, together with careful mating, has given us some of the strongest matings to be found anywhere in Light Brahmas, Buff, White and Black Cochins, Black Langshans, Buff and Silver Wyandottes, Red Caps, Black Spanish, Buff, White and Barred Rocks. (In Barred, our cockerel mating is headed by an imported Felch cock scored 92 1-2 by Felch, mated to females that have been bred from a winning line of males for years. Our pullet mating contains females that are choice exhibition specimens mated to an imported pullet bred cockerel. A doubt about these matings will produce a large percentage of high-class stock.) Buff Leghorns, Pyle and Duckwing Game, Golden Bantams and Pyle Game Bantams—Eggs \$2 per 13, \$3 per 15. We have strong pens of Buff, White and Brown Leghorns and Barred Rocks at \$1 1/2. Rouen and Pekin Ducks \$1 per 9.

We guarantee eggs to hatch, regardless of distance. Infertile eggs duplicated free. For further information, address,

J. C. LYONS, - - - **Lucknow, Ont.**

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still maintain their title by again demonstrating their superiority to all concerns at the late

New York Show

winning 1st and 2nd cocks, 1st hen, 1st and 2nd cockerels, 1st pullet, 1st pen

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PREPARED TO FILL ALL ORDERS FOR LIGHT AND DARK
BRAHMAS. EGGS IN SEASON.

See REVIEW for prizes won at the Ontario Poultry Show this year. 400

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White S. C. Leghorns; white Wyandottes,
White Rocks; white and black Pekin Bantams;
White Japanese; black Africans.

Eggs in Season. (See REVIEW for prizes won.) 400

Do you Keep a Dog?—THE CANADIAN KENNEL GAZETTE will tell you 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.

POULTRY AILMENTS.

We invite questions and correspondence for this department.

AILMENTS AND THEIR CURES.

BY THE REV. J. N. WILLIAMS.

CONSTIPATION may be relieved by bran and free supply of cooked and raw cabbage, lettuce, etc.

General Weakness.—Administer twice daily a teaspoonful of mixed Parrish's Chemical Food with double quantity of water and a little cod-liver oil. A raw egg, if it can successfully be administered, will keep an exhausted bird alive when all else fails.

White Comb.—Green vegetable must be given. Rub the places affected with cocoanut oil, to which has been added a quarter quantity of tumeric powder. Put sulphur in drinking water for a fortnight.

In cases of leg weakness put sulphate of iron and quinine in the water (at all times the drinking water is the better for a quantity of rusty iron scraps in it). A very tiny quantity of strychnine is said to help, but I have never tried it. In my own particular case I have always been inclined to think when any lame fowls were in evidence, that stone-throwing lads had been about, and so I have generally tried arnica. Birds moulting badly ought to have a dose of Parrish's Chemical Food and cod-liver oil daily. A raw egg will help materially.

Red Mite, if found upon fowls, may be settled with a solution of quassia. Fluid carbolic acid, paraffin, etc., have been recommended in the linewash with which the spring and autumn cleaning is done in the fowl-house.

Inflammation of the Bowels.—See there is no quantity of quicklime about. Administer daily teaspoon of olive oil with three or four drops of laudanum mixed with it.

Wheezing in Throat.—Push a feather dipped in glycerine down the windpipe, and give a teaspoonful of glycerine.

From the foregoing remarks it will be seen that ailments may in a general way be placed in classes, and treated much after what a human being might be expected to take, but in smaller doses. They might be arranged thus, with their remedies:

Colds.—Glycerine, eucalyptus, terebine (one of the finest things out for anyone feeling a cold coming on—six drops on a lump of sugar).

Debility.—Raw eggs, bovril, port wine, cod-liver oil, Parrish's Food.

Liver diseases.—Dandelion leaves or root (chopped), oatmeal porridge and milk.

Swellings.—Paint with iodine or tincture of arnica, etc.

Cuts and Bruises.—Dress with boracic or boric acid, witch hazel, etc.

But turning from diseases and accidents to poisons, I may first

observe that the action of the latter is generally very quick, it is not often that one can cure a fowl in time. In the first place the nature of the poison may be unknown, and if so the case is about hopeless. At other times, one may guess pretty nearly what undesirable dose a fowl has taken. Some time ago I had phosphorus for rats. Three or four months afterwards some of the fowls blackened in the comb and died very suddenly; on being opened I was convinced they had died from poisoning, and I can only think that they had been feeding on the remnants of rats, which had been discovered by the hens.

There are times when it is conceivable that one packet of stuff has been mistaken for another, or where the wrong bottle has been used as a medicine. In such cases as these it is very useful to have a little elementary knowledge of antidotes. First of all, if poison is suspected, turn the fowl head downwards, squeeze out the contents of the crop, insert into the crop through the mouth the rubber tube as explained for giving fluids, pour into the crop fairly hot water till it is full turn the bird head downwards again, and

Germodorcide

IS GUARANTEED to CURE

Roup and Cholera

Used in drinking water. By mail, postpaid 25c and 50c. See testimonials. G. J. Lovell, 240 St. Clair Ave., Carlton West.

Use Guest's Roup or Tonic and Condition Pills.

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

They are especially suited for Roup, Roup diseases, Bad Moulting, Bad Fledging, Weak Young Pigeons, Chickens, Turkeys or Ducks, &c. For general Unhealthiness in Birds, either young or full grown. Skin diseases, Inflammatory diseases, Colds, with great difficulty of breathing. Indigestion, Cramps, 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 has some sick birds. He used them last winter and found them good. A good article always will recommend itself.—JOHN FINCH.

WARDSVILLE, ONT., Jan., 1897.

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

Sold in Packets for 25 cents and one dollar. Address James H. Cayford, Box 1168, Montreal.

it will expel the same; fill once more, and once more empty.

Then give the remedy as speedily as possible, and place the bird in a quiet place.

Arsenic--Emetics, large draughts of mustard and tepid water, or salt and tepid water, or twenty grains of sulphate of zinc in water, or one or two teaspoonfuls of ipecacuanha wine in water.

Then administer raw eggs, or castor oil, or olive oil freely, or peroxide of iron.

Antimony (Tartar emetic).--Emetics, then milk, tea, tannic acid.

Mineral acids.--Encourage vomiting, dose with alkalis, solutions of soda, potash, lime, magnesia, whiting, wall plaster.

Carbolic acid.--Olive oil.

Caustic potash, soda, or lime.--Acids, as vinegar and water, lime juice in water, salad oils, emetics.

Rat Paste (Phosphorus).--Large draughts of tepid water, large doses of magnesia in water. By every means avoid oils, which would only aggravate the mischief.

Mercury Salts.--White of eggs, flour and water, milk. Encourage vomiting.

Narcotics.--Strong coffee, brandy, ammonia.

Nitrate of Silver (Sugar of

Lead).--Give emetics and Epsom salts.

Chloroform--Dip into cold water, sprinkle well with coldest water about head and neck.

Prussic Acid.--Cold douche, smelling salts, brandy, ammonia.

Strychnia.--Emetics, cold effusion, brandy, ammonia.

Lead Paint.--Emetics and Epsom salts.

Generally speaking, the use of the primitive stomach pump, viz., the gutta percha tube and glass globe, as used by German physicians in more important cases, is a necessity to get rid of contents of stomach; then broadly speaking, use acids against alkalis and alkali against acids; albumen, white of egg, and salad and castor oils protect the walls of the stomach in poisoning by irritants. Besides these, milk, flour and water, are useful; only use such acids as those used in common food, viz., vinegar, limejuice, and orange juice, and the alkalis best suited



Now is the time to do the insect killing act.

LOVELL'S LICE LIQUID
Now

and you will have no insects worrying your fowls and chicks when warm weather comes.

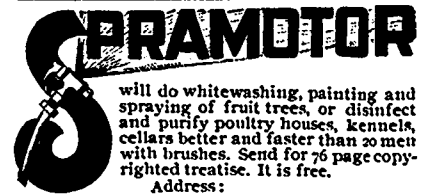
No better preparation on the market. Is cheaper and lasts longer than others. Put up in tins.

Prices:

5 gals. \$3. 1 gal. 75c.
2 qts. 50c. Sample pint 20c.

Agents wanted throughout Canada.
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will do whitewashing, painting and spraying of fruit trees, or disinfect and purify poultry houses, kennels, cellars better and faster than 20 men with brushes. Send for 76 page copyrighted treatise. It is free.

Address: Spramtor Co., London, Ont.

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 up 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 we will refund the money. Sent postpaid. Small size 50 cents, large size \$1.00.

PETALUMA INCUBATOR CO., Petaluma, California,

Pacific Coast Agent. G. E. CONKEY & CO., Cleveland, Ohio.

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Is a safe and sure remedy for all kinds of Lice on POULTRY.

It is harmless to hens and chickens. Dust your birds with PERSIATIC POULTRY POWDER and INSECTS CANNOT LIVE.

A healthy poultry breeder says he tried everything and could not keep his valuable birds from being lousy, nor keep them clean, until he tried PERSIATIC POULTRY POWDER.

25 CENTS PER CAN

Persiatic Poultry Spray

Is the only effective Spray for removing insects in Poultry Buildings.

SOLD BY ALL DRUGGISTS. TRY IT. 25 CENTS PER BOTTLE.

MANUFACTURED BY

THE PICKHARDT RENFREW CO., Limited
STOUFFVILLE, ONT.

are soda, potash, lime, and magnesia in water.

Amongst poultry perhaps it may not happen once in the lives of twenty fanciers that some of the above poisons get amongst their poultry food. It may, with more likelihood, be accidentally taken by themselves, but, if so, the antidotes are the same, and it is extremely useful, when life is hanging in the balance, to be able to administer with certainty what is best suited to the unhappy occasion.—Feathered World.



Editor Review:

Your directions for effecting a cure for white comb as described in December Review, have proven satisfactory. We are able to say that the hen is now almost cured; and kindly accept our thanks for the receipt.

RANKIN BROS.

Owen Sound.



VERMIN AND ROUP FAR MORE COMMON IN THE SOUTH.

DR. Shannon McGillivray, the well known physician of Hamilton, has been spending some time in the south and sends us the following chatty letter from San Francisco. Evidently there are worse places than "Our Lady of the Snows" for poultry breeders.

"My natural inclination caused me to visit many of the fanciers. I found all the varieties that are bred in the East represented here, but vermin and roup far more common, also no particular time for moulting. This is the case in a country where every season is summer.

"In my line, Pheasants the same difficulty which prevails in eastern America and England, with regard to golden and Amherst Pheasants, is found here.

"I have not seen a full-bred golden or Amherst pheasant since

I left home. The goldens are all tainted with Amherst blood and the Amherst with golden.

"At present there is a great Belgian Hare fever. There are several new Rabbiteries being stocked, and fine prices are being paid. Some good specimens bring as high as \$25 each."



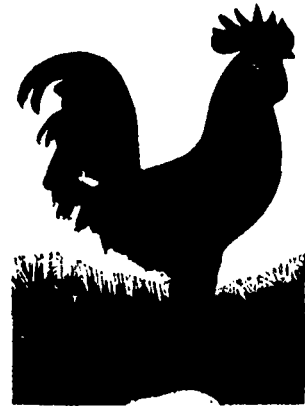
ECONOMICAL VARIETY BREEDING.

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

IT sometimes happens that a poultry breeder is an admirer of several varieties, and yet has the proper accommodations for but a single breed of fowls. If he could, he would be glad to produce several varieties, and fortunately for such breeders there is a somewhat limited manner in which he can accomplish this result. Two breeds, at least, will permit him to do so. There are first, the Andalusians. As the readers of this publication know the Andalusian is a very beautiful blue fowl and in the best specimens the ground color is a soft, dunlike hue, each feather being margined by a narrow border of darker blue or black. Blue has proved to be a very evanescent color in poultry. It is hard to get and harder to retain. From a pen of Andalusians, therefore, one frequently gets coal black specimens, blue specimens and white specimens. And as the general shape and characteristics of the Andalusians are very similar to those of the Minorca, from a single pen of Andalusians can be produced at least three varieties, black and white Minorcas, and blue Andalusians. An acquaintance of mine did even better than this, for from a single pen of Andalusians he produced four varieties, the three above named and some mottled specimens which would pass very well for mottled Anconas. This was certainly a marked case of economical variety breeding.

Secondly, the Rhode Island Red

BUFF LEGHORNS



2

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PENS

Golden Boy, 1st
and silver cup, Toronto.

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to breed winners for 1900. Will sell you eggs same as we use ourselves, \$3 per 12, \$5 per 28.

SPRY & MICK, 230 LISCAR ST., TORONTO.
P.S.—WE BREED OUR WINNERS. 400

will lend itself to the same system of economical variety breeding, for by mating a rose-combed male to a single-combed female, there can be obtained, if proper care has been taken in the selection of the stock, at least three varieties. buff Plymouth Rocks, buff Wyandottes, and the darkest colored specimens will be Rhode Island Reds. If we count the single and the rose-combed specimens as two varieties, this mating gives not three but four varieties. This is not a fanciful sketch for I have known it to be done. At one exhibition I saw a pen of Rhode Island Reds win a first premium as Reds, and a pen of chicks hatched from eggs laid by these identical hens, win as buff Plymouth Rocks. I have also seen buff Plymouth Rocks and buff Wyandottes exhibited that were hatched from the eggs laid by one pen of fowls, and these birds won prizes, too. These facts, for they are facts, prove, it seems to me, the need of differentiating the figure of the Rhode Island Red from that of the Plymouth Rock and that of the Wyandotte, and, also, the need of a characteristic comb, like the pea comb.

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White Wyandottes.
R.C.W. Leghorns.
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Setting - - - \$2.00
 3 Settings - - - \$5.00



**America's best
 Buff and White
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Best Pen, Setting - \$3.00
 2 Settings - - - \$5.00
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EGGS FOR HATCHING

From my breeding pens of Rochester prize winning, White and Silver Wyandottes, Barred P. Rocks, N. C. Brown and Black Leghorns' Eggs 13 for \$1.00, 26 for \$1.75, 100 for \$6.00. Circular free.
RELIABLE POULTRY YARDS,
 F. W. Wells, Prop. Ave. 5, Rochester, N. Y.



Breeders will understand that this article is not written for the purpose of discouraging either the Andalusian or the Rhode Island Red. Both are breeds of great economic merits and both possess, when bred to anything approaching perfection, a high order of beauty. But it is worth while to know the facts, for such a knowledge will not only prevent grave misunderstandings between buyers and sellers, but will also tend to improve the fowls themselves. Buyers of Andalusians are entitled to know that the color, extremely beautiful and quite rare among fowls, is not and perhaps can never be so firmly fixed as that of some other types of coloration. Even though white, black and mottled chickens do appear among the blue ones, the latter are sufficiently valuable to compensate for the others. The off-colored specimens make nutritious food and the females make admirable layers. Even they pay to rear. And I believe Rhode Island Red breeders will find it to their advantage to secure a typical figure, differing from the varieties which have descended from that excellent breed, with a comb distinct from the combs of the Plymouth Rock and Wyandotte. The sooner they accomplish this result the better it will be for them and their favorite fowl. And so, while the title of this article perhaps indicates a lack of seriousness, the article, itself, is written for the purpose of promoting the welfare of breeders and of the breeds under discussion. What is desired above all else is to remove unjust suspicion and criticism from breeders of Andalusians and to secure what I believe to be the best interests of the Rhode Island Red. A fault discovered is half remedied, for the discovery is the first necessary step to its removal. Properly managed, I believe the Rhode Island Red has a bright future: improperly man-

aged, if the lessons of history teach anything, it will have but a transient vogue and be numbered among the long list of good but almost forgotten breeds of fowls. For many reasons I should be sorry to have the latter prediction verified. I hope and expect that the former will prove the true prediction and that a few years hence this interesting fowl will be counted among the standard varieties of poultry in this country, by the side of such American productions as the Plymouth Rock and the Wyandotte. There is room for them all. If a breed, by distinctive qualities, stands apart from other breeds, it has a right to be. But if its characteristics are such that it is readily confused with other breeds, so that even an expert poultryman can scarcely tell the different breeds apart, it is not needed. When the Langshan first appeared there seemed, in some quarters, a tendency towards breeding it to the Cochin type, and if this tendency had been persevered in, the Langshans would probably have disappeared. But its breeders were wise in their day and generation. They persisted in accentuating the differences between these two breeds until the Langshan presented a type very different from that of the Cochin and they lived to see the day when its popularity greatly exceeded that of the Cochin. And what Langshan breeders did so well, Rhode Island Red breeders can profitably follow—make their fowl distinctive in type from those varieties which it at present most nearly resembles.

Northern grown trees

PORT ELCIN NURSERY

All sorts of Fruit and Ornamental Trees, Small Fruits, Roses, Shrubs, Evergreens, etc. Specialties—Wisner's Dessert Apple, American Sweet Chestnut, Mammoth Dewberry and Seed Potatoes. Send for catalogue. It tells the whole story.

J. H. WISNER, PORT ELCIN, ONT.

Of Special Interest to French Canadians.



THE Review has in Quebec and Lower Canada a rapidly growing clientele of readers to whom anything emanating from La Belle France is of paramount interest. France has for very many years been one of, if not indeed the most progressive countries in poultry culture and many lessons may be learned from her successes.

We have therefore arranged for a monthly letter from a correspondent in France, the first of which series will be found in this issue.



Any items relating to our readers of French nationality or their fowls will be gladly received and room found for them.



THE EGG QUESTION IN FRANCE.

BY EDWARD CONNER, PARIS, FRANCE.

FRENCH poultry-breeders are devoting greater attention than ever to this important subject; well may it be said, that it is no longer a matter of impossibility to obtain new-laid eggs during the winter. The principal aim of professional, aye, of even amateur rearers of fowls now-a-days is, to make poultry-keeping essentially remunerative; though the latter problematical difficulty has not yet been fully overcome; the backbone of the enigma is undoubtedly broken, so think the majority of French poultry-keepers. It is their decided opinion that in order to secure this desirable end, it is absolutely necessary to devote considerable attention to the proper housing of the birds, and above all to keep them well protected from cold. The latter is the

chief drawback to constant laying. If the question of temperature forms an important factor, that of food is equally as vital, not to say even more so. The dearth of animal substances—so plentiful in the summer—must be made good by other corresponding nourishment during the winter season. It is owing to frequent inattention to this point, that is to be attributed many of the causes of individual indignation and disappointment at the limited number of eggs laid in cold weather. It would not at all be erroneous to maintain that suc-

cessful laying depends entirely upon minute attention being paid to temperature and food. Some years ago, a wit attempted to make his fortune, by going about selling a certain "mysterious" powder intended to make hens lay most plentifully all the year round. Forty-eight hours after his sortie, the police locked him up in a lunatic asylum—his natural "home, sweet home" apparently. It is quite feasible to secure eggs all the year round, on a moderate though constant scale. One good plan of attaining this end is, to well-feed the birds with sound food, let the nutrition be natural, fortifying, somewhat exciting, and containing much nitrogen. In France many poultry-keepers fall back upon a chemical food known as Pondeine; it is a paste containing all the ne-



OWNED BY W. R. WOODEN, BATTLE CREEK, MICH.

cessary ingredients for the healthy rearing of fowls. Up to the present, this prepared food has met with much success. If 5, 10, 15, or 50 kilog., be taken (1 kilog. equals 2 1-4 lbs.), the price is 60 centimes or 12 cents per 1 1-4 lbs.; if 100 kilog., or 2 cwts., be purchased, a reduction of two cents per 2 1-4 lbs. is made. Of course this food is made up in different sized packages. Pondeine was recently analysed by eminent chemists, and by members of the Society of the Agriculteurs de France, at their own laboratory. Pondeine was found to be composed of the following:

Proteine (nitrogenous matter)	17.62
Fat.	2.50
Non-nitrogenous substances, or extracts.	51.04
Cellulose.	2.40
Mineral Matters.	16.04
<hr/>	
Or Solid Matter.	89.60
Water.	10.40
<hr/>	
Total.	100.00

Never did so much controversy prevail over the question of the preservation of eggs as now in France. Were it not for the number of theories formulated, a solution of a definite character might be arrived at undoubtedly. Poultry keepers who are deeply interested in the subject would gladly welcome unanimity of opinion, if that was at all possible. Parisians who consume a considerable number of eggs have been complaining more than ever of late respecting the quality of their purchases.

Confectioners are equally dissatisfied, and maintain that the eggs supplied to them at this time of year are worth absolutely nothing for their culinary requirements, despite the "top prices" paid for them, quality remains as faulty as ever. It is with the view of endeavoring to solve the annoying problem, that a Conference was recently held in Paris; the assembly was very well attended by all persons interested directly in the grave question. Strictly speaking, everyone more or less has his or her



OWNED BY W. R. WOODEN,
BATTLE CREEK, MICH.

own way of preserving eggs; while as a general remark, it is well to bear in mind that too many individuals err on the side of concluding, that to store large quantities of eggs for the winter season, is a wise plan. It is absolutely impossible in the opinion of many persons, to expect eggs to keep as fresh as one could wish, during the whole of that time. Why this is so, scientists have yet to explain.

A distinction must, however be made between eggs that are laid in spring, and those laid in summer. Eggs laid either in August or September are admitted to keep their freshness during twelve months. This statement is because laying is scarce at the close of summer; while the contrary is the case in warm weather. Other persons profess that the secret of retaining the natural freshness of eggs resides in their being kept embedded as it were, in a solution of lime, in a cinder bath, in wheat, or even in oats. A few months ago, a well known scientist made some very interesting experiments with eggs. His results demonstrated that the microbes—which are the cause of eggs going bad—could not resist or outlive a temperature of 104 degrees Fah. Consequently, his advice consists of submitting eggs during 48 hours to a temperature of 122 degrees Fah., then to coat them over with a varnish. By so doing, the microbes will be unable to penetrate into the shell. Some persons do not conclude this method to be practical. Are eggs entirely free from microbes at the time of being laid? This of course depends upon the constitution of the hen; as a rule, it is safe to state that eggs are free from microbes when laid. What is the best system of preserving eggs? Now in Paris, eggs are mostly preserved in lime water, this plan is very popular, and largely resorted to, though many disapprove of this method. Too often such objection is the result of not carrying out instructions as precisely as they ought to be.

ARNOLD WINS

ON BUFF LEGHORNS at Madison Square Gardens, N.Y. 2 Silver Cups, 6 Gold Specials, 1st and 2nd pens, 1st and 2nd cocks, 1st, 2nd and 4th hens, 3rd, 4th and 5th cockerels, 1st, 4th and 5th pullets.

Buff Plymouth Rocks

At the great Hagerstown Fair our birds tied for largest and best collection. At Philadelphia we won Silver Medal for largest and best collection; We bought all of Frank Klien's birds which won at Poughkeepsie, N.Y.—cock, 1st and 2nd; hen, 1st and 2nd; cockerel, 1st; pullet, 1st and 2nd pen, 1st. Rock eggs, \$3 per 15 straight; Buff Leghorn eggs, \$5 per 15, \$9 per 30. \$12 per 45. We guarantee 10 chicks to each setting. Aug. D. Arnold, Box 112, Dillsburg, Pa.

The proportion of quick lime is very slight; 2 1-4 lbs. per every 1 3-4 pints of water. Begin by placing the lime in a vessel of deep capacity, over which pour two to three litres (1 litre equals 1 3-4 pints) of water, so as to smother the lime; the latter, while melting, produces a thick milky foam, which should be immediately employed. Have another earthen jar, or even a wooden bucket, half filled with water, in which the eggs are placed. Pour into the latter vessel some of the lime compound, and stir the mass frequently, well mix the whole substance, and allow the same to rest for an hour or two; by the end of that time, all the impurities will have settled at the bottom, while the water at the surface will have become quite clear. Nothing more remains to be done, save to leave the open vessel containing the eggs in a cool spot,, while every day fresh supplies of eggs can be deposited therein. How is the preservation process effected? By the carbonic acid uniting to the dissolved lime, producing a carbonate of lime powder, which is insoluble; part of this "dust" as it were, falls to the bottom of the vessel and penetrates into the pores of the shell; another part, on the contrary, remains on the surface, thus forming a thin net or veil, through which the air cannot penetrate. No inconvenience is experienced in perforating or breaking through this veil, which ought to reconstitute within twenty-four hours; the rapid formation of this net indicates that the lime is of good quality; while if otherwise, the lime employed is evidently bad, and will have no influence whatever upon the eggs. In such a case let no time be lost in placing the eggs into another bath of fresh lime. Eggs when so treated, can be piled up, one over the other, in large numbers without injury, on condition that sufficient lime water always remains to cover the last layer. In case an

egg breaks, it is well to make good the loss by adding fresh lime water, since every egg absorbs relatively a large quantity of dissolved lime.

* * *

MONTREAL POULTRY ASSOCIATION, ANNUAL EXHIBITION.

JANUARY 17TH TO 22ND, 1900.

— — —
LIST OF OFFICERS.

Thos. Costen, Honorary President; A. F. Dawes, President; S. R. Clendenning, 1st Vice-President; G. Gravel, 2nd Vice-President; Geo. C. Philpott, 3rd Vice-President; J. P. Cullen, Secretary-Treasurer; J. H. Cayford, Honorary-Secretary. Executive Committee: A. McD. Drummond, E. L. Gnaedinger, Harry Dunn, W. Gallagher, J. W. Payne, W. Cox, Sr., E. H. Merrill, J. C. Smart, A. M. Radley, R. W. Hopper.

WE have some large buildings in Montreal, such as the Victoria Skating Rink and the Hockey Arena, the latter holding about 8,000 people, but unfortunately they are not obtainable at the time of year when we want to hold the Show, and in consequence the best available place is secured, which is not always as suitable as could be desired.

As mentioned in the January number of the Review, "the prospects for a good show are particularly bright," was fully realized as far as numbers were concerned, there being a grand total of over 1,600 entries, with at least 1,700 birds in the show-room.

Fowls, 1150 (including 112 breeding pens); Turkeys, Ducks and Geese, 130; Pigeons, 327.

The show was held in the Victoria Armoury Hall, which was far too small for the number of exhibits, some of the birds being crowded three and four in small pens, piled on top of each other; the light, also, was exceedingly bad.

The prize list was an improvement on previous years, and three new cups were added to the keenness of the competition.

The judging commenced late, owing to the birds not being cooped in time, and consequently a good many classes were not scored and so the two methods, comparison and scoring, were used.

The winning birds in those judged by comparison were scored for the cups.

It is impossible for one man to get through the classes and have the score cards up in a show of any size. Where the expense precludes more than the engagement of one judge, why not let the judge do his work by comparison, get the prize tickets on, and then score the winning birds, for those who want score cards according to rule 17 as amended by the Ontario Poultry Association.

The judges were: Sharp Butterfield, Poultry; C. H. Currier, Pigeons; G. C. Philpott, Canaries and pets; with Wm. Cox, one of our oldest fanciers as Superintendent.

The exhibitors were from Ontario and Quebec, as well as Vermont, and included A. Thompson, Allan's Corner; F. J. Blake, Almonte, Ont; Gilbert & Jardine, Almonte; R. H. Willis, Beauharis; J. K. Anderson and C. W. McMillen, Jr., Barre, Vt.; E. W. Brewster, Compton; Geo. Rush, Cote. St. Paul; U. Bonneville, Danville; H. W. Willis, Granby; R. Ness, Howick; T. C. McGinnis, Iberville; G. S. Oldrieve and W. H. Reid, Kingston; H. Bourdon, Longueuil; McMaster Bros., Lag-

Breeder's!

A card like this

(1 1/2 inches) will be inserted in REVIEW 3 mos. for \$3.00, 6 mos. for \$5.00, or one year \$8.00. This may be used where we have them. 5 per cent off for yearly contracts where paid in full in advance.

C. Fyfe, Montreal West; E. R. Frith, Maxville; H. Prevost, Maisonneuve; A. C. DeBaron, North Hatley; Trudel & Co. and A. P. Mutchmor, Ottawa; Archibald Drummond, Petite Cote; T. Hall, Outremont; Dr. J. W. Bastien, Rigaud; R. Rurroughs, St. Annes de Bellevue; A. McD. Drummond, Petite Cote; V. Fortier, St. Therese; G. H. Muir, St. Laurent; A. F. Fraser, F. B. Wilson and John Gunning, Sherbrooke; W. B. Nantel, St. Jerome; Fred Bell, Toronto; E. Frith & Son, Winchester. L. G. Jarvis paid a visit to the show en route to his new home in Baltimore. The highest scoring birds in the show were V. Fortier's black Hamburg cockerel, and G. S. Oldrieve's black red Game Bantam hen, both scoring 95 3-4. The pen of V. Fortier's Hamburgs was the highest scoring in the show with 190 3-4 points.

The entries were divided up as follows: Brahmas 50, Cochins 52, Plymouth Rocks 159, Wyandottes 117, Spanish and Minorcas 91, Leghorns 135, Games 94, Hamburgs 40, Polish 53, Bantams 164.

THE POULTRY ARCHITECT.

An Illustrated Book of Plans and Specifications for building Poultry Houses, Coops, Fences, Roosts, Nest Boxes, etc. Price 25c., worth a dollar. Address—H. B. DONOVAN,

TORONTO, ONT.

THE CUPS AND MEDALS.

The challenge cups and medals were won as follows: The Lady Aberdeen Medal, won by V. Fortier, St. Therese, P.Q., with a pair of black Hamburgs, scoring 187 3-4. The Lord Strathcona cup, won by Wm. Cox, Point St. Charles, with a pen of rose comb black Bants scoring 186 1-2. The Corrington Game Bantam cup won by G. S. Oldrieve, of Kingston, Ont., with a black-red Game Bantam cock, scoring 94 3-4 points. The Association Silver Cup for the highest scoring male Plymouth Rock, barred or white, won by M. Radley, of Outremont, Que., with a white cockerel, scoring 93. The Association Wyandotte Silver Cup, won by A. McD. Drummond, Petite Cote, with a breeding pen of whites scoring 186. The Asiatic cup, won by A. P. Mutchmor, of Ottawa with a pair of buff Cochins, scoring 186 1-4. Mr. Mutchmor also won the black Minorca cup with a cock scoring 93. The Fyfe cup for the eight highest scoring barred Rocks (four males and four females) won by W. C. Fyfe, of Montreal West. The specials for the best exhibits of turkeys, ducks and geese were all won by A. Thompson of Allen's Corners. The incubator, given as a special prize, was won by V. Fortier, of St. Therese, with a breeding pen of black Hamburgs scoring 184 1-2.

YOUR CORRESPONDENT.

PRIZE LIST.

Barred Plymouth Rocks.—Cock—1st, W. E. Fyfe; 2nd, A. C. LeBaron; 3rd, E. St. Pierre; 4th, W. C. Fyfe. Hen—1st, W. C. Fyfe; 2nd, A. T. Fraser; 3rd, C. W. McMillan, Jr.; 4th, A. C. LeBaron. Cockerel—1st, A. Fraser; 2nd, 3rd and 4th, W. C. Fyfe. Pullet—1st, W. C. Fyfe; 2nd and 4th, A. C. LeBaron; 3rd, W. C. Fyfe. Breeding pen—1st and 3rd, W. C. Fyfe, 2nd, A. F. Fraser; 4th, A. C. LeBaron.

Winner of Association silver cup for best Plymouth Rock, white or barred, male, Mr. Radley, of Outremont, with white bird.

The Fyfe barred Rock cup, for eight highest scoring barred Rocks, four each sex, was won by W. C. Fyfe.

White Plymouth Rock.—Cock—1st, Dr. J. H. Bastien; 2nd, M. Radley; 3rd, H. Dunn; 4th, B. F. Campbell. Hen—1st, A. McD. Drummond; 2nd and 3rd, H. Dunn; 4th, Dr. J. H. Bastien. Cockerel—1st and cup, M. Radley; 2nd, A. Thompson; 3rd, A. McD. Drummond; 4th, T. B. Wilson. Pullet—1st, 2nd, 3rd and 4th, H. Dunn. Breeding pen, 1st, F. B. Wilson; 2nd, A. Dunn; rd, A. McD. Drummond; 4th, A. Thompson.

Buff Rocks.—Hen—2nd and 3rd, F. W. Wilson; 4th, H. Bourdon. Cockerel—2nd, F. B. Wilson; 3rd, H. Bourdon. Pullet—1st and 3rd, H. Bourdon; 2nd and 4th, F. B. Wilson. Breeding pen, 2nd, Wilson; 3rd, Bourdon.

White Wyandottes.—Cock—1st, A. McD. Drummond; 2nd, W. J. Wilson; 3rd, A. F. Dawes, 4th, G. H. Muir. Hen—1st, 2nd and 3rd, A. McD. Drummond; 4th, G. H. Muir Cockerel—1st, Archibald Drummond; 2nd, J. P. Cullen; 3rd, Marshall Bros.; 4th, A. McD. Drummond. Pullet—1st and 4th, A. McD. Drummond; 2nd, Marshall Bros.; 3rd, J. P. Cullen. Breeding pen—1st and silver cup, A. McD. Drummond; 2nd, J. P. Cullen; 3rd, Marshall Bros.; th, A. F. Dawes.

Silver Wyandottes.—Cock—1st, F. J. Blake; 2nd, G. H. Muir; 3rd, A. Drummond. Hen—1st, A. Drummond; 2nd, G. H. Muir; 3rd, F. J. Blake; 4th, H. Dunn. Cockerel—1st, 2nd and 3rd, G. H. Muir; 4th, A. Drummond. Pullet—1st and 2nd, F. J. Blake; 3rd and 4th, A. Drummond. Breeding pen—1st, F. J. Blake; 2nd, G. H. Muir; 3rd, A. Drummond.

Golden Wyandottes.—Cock—1st, Oldrieve & Horn; 2nd, J. P. Cullen; 3rd, McMaster Bros. Hen—2nd and 4th, J. P. Cullen; 3rd, G. H. Muir. Cockerel—1st, J. P. Cullen; 2nd, G. H. Muir; 3rd and 4th, G. H. Muir. Pullet—1st, Oldrieve & Horn; 2nd, 3rd and 4th, F. J. Blake. Breeding pen—1st, F. J. Blake; 2nd, Oldrieve & Horn; 3rd, J. P. Cullen; 4th, McMaster Bros.

Buff Wyandottes.—Cockerel—1st, H. Bourdon; 3rd, E. W. Brewster. Pullet—1st, H. Bourdon; 2nd, E. W. Brewster; 3rd and 4th, H. Bourdon. Breeding pen—H. Bourdon.

Mr. Joyce gave special prizes for five breeds. They were won as follows:

Pair Silver Wyandottes—R. Burrows, St. Anne de Bellevue.

Pair white Rocks—F. B. Wilson, Sherbrooke, P.Q.

Black Minorcas—Wm. Cox, 5 Rushbrooke Street.

Barred Rocks—J. W. Payne, Outremont.

Light Brahmas—Thos. Hall, Outremont.

The black Minorca cup was won this year by A. P. Mutchmor, of Ottawa, with Minorca cock scoring 93.

(For balance of awards see March Review.)

I NEVER WON A SINGLE PRIZE



on a bought or borrowed bird, or on birds hatched from boughten eggs. I did not win everything in sight; but birds in these pens, which I offer eggs from, besides a number of other winnings, have won as follows:—

S. C. Brown Leghorns.
'97, Guelph, 3 entries, 1st and 2nd hen and 2nd pullet. '00, Galt, 2 entries, 2nd pullet, 3rd hen. '00, Brantford, 2 entries 2nd and 3rd hen.

Buff Leghorns.
'99, Ingersoll, 2 entries, 1st and 3rd hen. '99, Brantford, 2 entries, 2nd hen '00, Scaforth, 2 entries, 1st hen and 1st pullet.

Prize winning males of my own breeding head these pens. NOTE.—If you want Leghorn eggs, genuine ones, either brown or buff, from birds that are strictly in it, try me. 15 eggs, \$1.50, either variety; 10 chicks guaranteed, or will duplicate order at half price. Address.

W. J. Player, Leghorn Specialist,
600 GALT, ONT.

DUNNE'S Specialties.

Buff Leghorns, Rose Comb Black Minorcas.

Buff Leghorns.—This is my eighth season with this popular variety. My breeders are the best I ever raised, the pick of over 100 birds. Eggs \$1.50 per 13.

Rose Comb Black Minorcas.—I believe I was the first to exhibit this "come to stay" variety in Canada. My breeding pen is selected from birds I raised from the four best strains on the Continent, being good in shape, size and color. Fine winter layers. Headed by Imported cockerel, a typical specimen (see January "Review") Eggs \$2.00 per 13. Satisfaction guaranteed. H. Dunne, 1492 Queen W., Toronto.



THE AMERICAN BUFF LEGHORN CLUB.

THE eighth annual meeting of the American Buff Leghorn Club was held at Madison Square Garden, February 1, 1900.

The following officers for 1900 were elected: President, Geo. S. Barnes, Battle Creek, Mich.; Eastern Vice-President, R. G. Buffington, Fall River, Mass.; Western Vice-President, E. F. Mitchell, San Francisco, Cal.; Honorary Vice-Presidents, S. D. Atwater, Waverly, N. Y.; Ezra Cornell, Ithaca, N. Y.; Justin Denison, Old Mystic, Conn.; James Dundas, Deer Park, Ont.; C. W. Hansen, San Francisco, Cal.; Harvey M. Ivins, Penn Valley, Pa.

It has also been decided to offer three grand silver cups this year, one at New York, Chicago, and one in California.

Shall also offer a grand silver cup in every state that has ten or more members, all to be competed for by club members.

All buff Leghorn fanciers and breeders are invited to join. Membership fees only \$1.00, annual dues \$1.00.

E. G. MARQUARDT,
Sec.-Treas.

Burlington, Iowa.

Still they are Winners!

During 1899 I won 350 prizes, making a grand total of 4,850 prizes won by me. I can now supply eggs for hatching from 40 varieties of prize winning land and water fowl.

Eggs \$1 per 12, six sittings for \$5.
Eggs for incubators \$4 per hundred.

from grand pens of barred, white and buff Rocks, also single comb white, brown and black Leghorns, black Minorcas, partridge Cochins, and black Langshans, in lots of not less than 100 at a time. Birds for sale at all times. I can give you satisfaction. Send for list of varieties.

W. W. Reid, Apr. Ont., Can.
101

THE AMERICAN INDIAN GAME CLUB.

THIS club held a meeting at the poultry show at Tattersall's, Chicago, January 25th, and elected officers as follows: President, J. Y. Bicknell, Buffalo, N.Y.; vice-presidents, John Skinner, Spiker, Neb.; L. B. Richardson, 87 Washington St. Chicago; Adam Thompson, Amity, Mo.; Secretary-Treasurer, W. S. Templeton.

to make the club one of the largest and strongest in existence. The Indian Game Club of England is large and popular and there is no reason why we cannot have one still larger and as popular. All breeders and fanciers of Cornish Indians are not only invited, but urgently requested to join the club and become active members. Initiation fees, \$1.00, and dues each year thereafter, 50 cents. We have a grand breed, worthy



BLACK MINORCA WINNERS OWNED BY BELLE ISLE POULTRY YARDS,
JACOB BAUMANN & SON, PROPRIETORS, DETROIT, MICH.

Dakota, Ill. Executive Committee—President; secretary-treasurer; L. B. Richardson, Chicago, Ill.; A. M. Bowman, Salem, Va.; J. Y. Webb, Jr., Dallas, Tex.

The club standard for the number of lacings, etc., for Cornish females was changed to the following: Ground color golden bay, each feather laced with two or three narrow lacings of lustrous black, the lacings following the contour of the web of the feather.

It is the desire of the officers

of being exhibited in large numbers, to compete for valuable cups and specials which the club shall be in a position to offer in the future. Let us hear from all interested fanciers of Indians.

Fraternally,

W. S. TEMPLETON,
Sec.-Treas.

Dakota, Ill.

Advertising in the Review pays. Try it and be convinced.

UPLANDS POULTRY FARM.

Station D.,

Baltimore, Md.

BARRED ROCKS

BUFF ROCKS

W. WYANDOTTES

P. COCHINS

PEKIN DUCKS

EXHIBITION AND BREEDING BIRDS FOR SALE.

EGGS: \$3 PER 13, \$5 PER 26, 5 SITTINGS \$10.

Address, **M. P. JARVIS**, Manager.

500

THE AMERICAN POULTRY ASSOCIATION EATS ITSELF.

THE American Poultry Association has now found that the changes in the standard, made at Cedar Rapids, are illegal, as the requisite sixty days' notice was not given. The new president has therefore issued the appended notice. What is badly needed is a permanent secretary, a man familiar with each detail of the work and one who will see that the business, as far as he can control it, is carried on according to by-law and precedent.

A PROCLAMATION.

"At a late meeting of the American Poultry Association there were a number of changes made in the Standard, as well as constitution and by-laws, that I find were illegal from the fact that due notice had not been given before said meeting.

The most serious one was the

change in the time of seating the incoming president and the changes in regard to Minorca comb and black in the beak of Pekin ducks. In correspondence with the late president, Mr. Bogue, he has decided with me that the above



BAUMANN'S (DETROIT), ROSE COMB MINORCAS.

changes were illegal, and I hereby declare as president that the above action was illegal."

E. A. KEGLEY,

Pres. American Poultry Ass'n.
Cedar Rapids, Ia., Mar. 1, 1900.

MICHIGAN FANCIERS' ASSOCIATION.

THIS association held their annual meeting Feb. 24th, and decided to hold a show at Battle Creek, Mich., Dec. 4-7, 1900, James A. Tucker, judge. A big effort will be made to out do the successful show held by the association last year. The following officers were elected: President, Wm. Oliver; vice president, Howard R. Kingman; secretary, Geo. S. Barnes; assistant secretary, L. G. Nichols; treasurer, Wm. R. Wooden; Executive committee, Wm. R. Wooden, W. R. Oliver, Geo. W. Hamm, W. N. Dibble, Edward Bush, C. P. Aldrich, Chas. Hogue, D. E. Lagassee, W. B. Pease and Chas. Washburn. Advertising committee, Kingman, Dibble, Barnes. Get your chicks agoing, as this is an early show.

✽✽

If you are sceptical about advertising paying, read page 176.

THE BUFF ORPINGTONS.

BY MRS. W. N. MARSHALL, LISBON,
HOWARD CO., MO.

I WISH to say a few words about the buff Orpingtons, for they are the general purpose chicken. I notice that Dr. Niven saw some very fine buff Orpingtons while in Ireland, and that he thought them very much like the buff Plymouth Rocks. So they are in general appearance, but not so much so when well known. They are larger, not so high on the legs and considered better layers. They are deep in body, broad and of good long breast and are a rich uniform buff. Matured cocks weigh from ten to twelve pounds, hens seven and a-half to nine pounds. While they are a large breed they are full of vitality, mature early, and are ready for the table at an early age, come to laying very quickly, are extremely docile, making excellent mothers and stand confinement well. They have a low, single comb, smooth legs, of a whitish pink color, flesh the same color, fine in grain, tender and juicy.

In the last two points mentioned it strikes me that they would be the chicken to supply the demand for dressed poultry your country has from England. While this industry is in its infancy, it is very essential to get the breed to meet

the requirements. The buff Orpington is that breed. Early maturity, plump carcass, white flesh and legs.

Buff Orpingtons are especially adapted to severe northern winters. They are contented, tuneful and busy. Every breeder knows what this means to the yield of eggs, fertility of same and vitality of the young.

Buff Orpingtons were originat-



ONE OF BAUMANN'S (DETROIT),
MINORCAS.

ed by Wm. Cook, in England, less than a half dozen years ago—have only been in the United States two years and the popularity they have gained in so short a time is sufficient proof of their worth. Fellow fanciers, we must predict for them a brilliant future.

WHITE PLYMOUTH ROCKS.

Editor Review:

I WOULD ask just a few lines space to express satisfaction with superintendent W. R. Graham's kind explanations re statements recently made as to white Rocks.

Now if we could get the explanation circulated as widely as the first statements, it would prevent a manifest injustice being done this breed. Sifted down, it simply appears Mr. Graham finds at the O. A.C. a strain of white Rocks lacking in stamina, and this gave rise to the sweeping assertion made. The white Rock seems taking first place as the ideal farmer's fowl, and it is rather unfortunate that at our Provincial Experimental farm a poor strain of this valuable breed should be kept. We can only hope this will be changed, as it would be much easier to secure a strain of large vigorous white Rocks than the other kind. Thanking you for again affording space to ventilate this matter. I remain,

Yours truly,

G. J. LOVELL.

Carleton West, Ont., March 16,
1900.

SOME OF LEE'S IDEAS.

Practical Hints for the construction of Conveniences for use about the

YARD, GARDEN AND FARM,

With especial reference to Poultry-keeping.

BY THE LATE J. HENRY LEE

Indianapolis, Ind.

Price 50 cents, postpaid.

About 100 pages, carefully printed on fine paper, from new type, with portrait and many detailed drawings.

Attractive engraved cover.

Handy and novel shape.

Many unique features.

No advertisements

*Everyone who has occasion to use a gate or door, care for poultry or a garden, keep a back yard in order, will profit by looking into the pages of

"SOME OF LEE'S IDEAS."

—H. B. DONOVAN, Toronto, Ont.

ANOTHER

BIG

SCOOP

MADE BY

Hanover

Poultry

Yards.

600

KIRCHNER & FLANAGAN, PROPRIETORS,

HANOVER, ONT.

IN S. C. BROWN LECHORNS

With only two entries we won 1st cockerel at Hamilton, 1st cockerel at Owen Sound, 1st cockerel, 1st pullet at Stratford, and 3rd cockerel at Guelph.

IN BARRED ROCKS

On one entry we won 2nd pullet at Owen Sound, winning 2nd to 1st Ontario pullet in a class of 35 birds.

IN SILVER WYANDOTTES

On two entries we won 1st cockerel at Guelph and 3rd cockerel at Hamilton.

IN BUFF ROCKS

On one entry we won 2nd pullet at Guelph, 2nd pullet at Owen Sound, and 3rd pullet at Hamilton in hot company.

ALL THESE WINNERS ARE IN OUR BREEDING YARDS THIS SEASON.

EGGS from any of these four varieties at \$2 per 15 or \$5 per 45.

We have a few choice Silver Wyandotte cockerels and S. C. Brown Leghorn pullets for sale reasonable.

Write for particulars.

WE WANT ROOM,

so are compelled to dispose of a number of trios of our best stock. These birds have all done their share of winning and can do the same trick again. Space will not allow of our stating what they have won, but we will be pleased to give full information and descriptions on application. As we require the room at once, the first enquirers will get the

Lowest Price,

which is less than half their value, for with the warm weather we can run them in our summer houses and would not need to dispose of them at a sacrifice price. Do not think they are only surplus stock. They are the birds we kept last fall for our breeders and are our best. We will ship to reliable parties on approval, or if anyone purchases any and are not satisfied with them they may return them. Read this list over and write us for a description of what you want.

Cochins—1 trio Partridge; 1 trio Buff; 1 trio black; 1 trio white. **Langshans**—2 trios black. **Minorcas**—1 trio black; 1 pair white. **Polands**—1 trio W. C. black; 1 pen W. C. white. **Andalusians**—1 trio. **Game**—1 trio brown red; 1 trio Silver Duckwing; 1 pen Blue. **Bantams**—1 trio black Rose Comb; 1 white Cochins hen; 1 black Cochins hen. **Game Bantams**—1 pen black reds; 1 pen brown reds; 1 pen Piles; 1 trio Duckwings.

You will never get as good a chance again to secure as good stock at the prices we are asking. We have got to get the space these birds are using at any cost. You can more than make the price of them during the coming breeding season. Write us at once.

A. P. MUTCHMOR
R. E. MCKINSTRY Proprietors.

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Breeder of **BARRED PLYMOUTH ROCKS** and **S.C.B. Minorcas** and **S.C.W. Leghorns**. Have won 34 first prizes and 23 seconds and 4 thirds at Fall and Winter Shows this season. **One cockerel mating and 2 pullet of Rocks.** Two matings of Minorcas and one of Leghorns.

My matings were purchased and suggested by S. Butterfield, Judge, London, Ont. for this season.

One Barred Rock cock for sale, one year old, C. W. Willis strain, Stratford, Conn. Price \$5. Cost me \$10 last spring.

EGGS, \$3.00 for 13; \$5.00 for 26.

I. K. MILLARD,

Dundas, Ont. Proprietor.

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Elegantly printed on Special Chromo Paper.

Size 9 x 12. Fit for framing. Contains:

1. Indian Game Pullet.
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5. Embden Gander.
6. Pair Pekin Ducks.
7. Black Hamburg hen, "Perfection."
8. Buff Cochins Hen.
9. Silver Wyandotte Pullet.
10. Black Minorca Pullet.
11. Single Comb Black Orpington Cockerel
12. Champion Black Langshan Cock.

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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 136 first, 60 gold specials, 18 silver medals, and 6 silver cups. The line blood I am breeding and exhibiting has produced, and is to-day 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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from **Dark Brahmas**. The cock that heads the pen won first and special at Petrolia, scored 94 1-2 by Jarvis, mated with first and fourth prize hens with four extra good pullets, also a grand pen of **Light Brahmas** headed by first prize cockerel at Western Fair, London, with prize winning females. Eggs guaranteed right from these pens at \$3.00 a setting or two settings for \$5.00. address Chas. B. Gould, Box 365, Glencoe, Ont. 400

THE TRENT VALLEY POULTRY YARDS
For **WHITE WYANDOTTES** that are
WHITE AND STAY WHITE



Eggs For Hatching

from pens headed by large, vigorous, pure white cocks and cockerels, and furnished with a grand laying strain of females all originating from America's most noted strains, viz., Hawking, Knapp and Dutton.

Years of experience, together with intelligent breeding, has enabled me to bring my birds to the highest point of excellence. My breeders are **WELL UP IN ALL FANCY POINTS** required by the **STANDARD**. By **SQUARE DEALING** methods and this little ad, in the *Canadian Poultry Review*, my list of orders for this season is running up very fast, but can supply a few more settings to those who are after the best to be had. Write for circular and price list free. The T. V. P. Yds.

Box 316,
W. M. REYNOLDS, Trenton, Ont.

DEWEY'S LANGSHANS

Won at the Great Toronto Show (Canada's largest Winter Show) 1st and 3rd cock, 1st and 3rd hen, 1st pullet. Special for best collection; also championship ribbon for best bird in class and three other specials. At Eastern Ontario on four birds, 1st cock, 1st hen, 1st pullet, 2nd cockerel. At Ontario Show on three birds three prizes. Stock for sale and eggs in season.

E. J. DEWEY,
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Have you ever threatened to "SHOOT THAT TREE AGENT"

if he ever showed up on your place again?

There are hundreds of farmers all through this country that in the early days have planted trees which some unscrupulous tree jobber sold him for first-class winter fruit that after years of patient toil and care turn out to be worthless crabs or naturals. You have all seen those cases. There is now no necessity for such a thing. You can get

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fruit and ornamental, that are guaranteed true to name and first-class in every respect. Write for catalogue.

Good opening for respectable men only, as agents.

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400 acres in extent.)

HELDERLEIGH FRUIT FARMS NURSERIES, WINONA, ONT.
800

Ralph Williams, Sec. Poultry Association, Ingersoll, Ont.

Breeder of **High-class Poultry—Light Brahmas, Golden Wyandottes, Golden Spangled Hamburgs.** My this year's matings are superior to any of my former. At Ingersoll, Galt and Petrolia winter shows I won 39 prizes on 39 entries—twenty 1sts, thirteen 2nds, five 3rds, one 4th; also several specials. My Brahma pens are headed by two grand imported cocks, also an imported cockerel, mated with the best females to be had, several imported specimens among them. Golden Wyandotte pen, headed by cock, winner wherever shown, this year, score 92 1-2 (Jarvis); 3rd at Ontario, 1898, mated with eight fine females, among them 1st pullet at Petrolia, winner of special for best Wyandotte in class; score, 96. G.S. Hamburg pen, headed by a 94-point McNeill cock, mated with a pen of A1 hens, all of which have won in good company. Eggs from any of the above pens, \$2 per 12. Write for fuller description. 500

MAPLE LEAF STOCK FARM

JEROME C. DIETRICH, Proprietor.

Breeder of **Black Leghorns, Black Minorcas, and B. Plymouth Rocks.** One pen of each variety, made up as follows: **Leghorns**, one cockerel, score 94, two pullets, 94 1-2 each, one 96 and one 97, two hens 94 1-2 each, average score for the pen 95. **Black Minorcas**, one cock weighs 8 1-2 lbs., score 92 1-2; three hens, one imported from England, and three pullets, all over standard weight, scoring from 92 to 94. My Minorcas are noted for their large size, grand color and excellent shape, eggs from these two excellent pens only \$2.00 for 12. One pen **Barred Plymouth Rocks**, one cockerel, two hens and four pullets, two pullets imported from two of the best breeders in the United States, the others were selected for me at the Galt show out of a class of 70 at a very high price. Eggs from this pen \$3.00 per 12. Address all communications to Wm. Lovell, Box 357, Galt, Ont. 400

SHOW IN WINNIPEG.

THE above association held its seventh annual show Feb. 19th to 23rd, 1900, in Winnipeg. To say that the show was a good one would be putting it mildly. It was simply a grand success, both as to number and quality of entries as well as financially. If you were to tell a stranger, say one of our American cousins across the line that Winnipeg and the Province of Manitoba were capable of getting together a show of between 900 and 1,000 birds, he would smile a superior smile, and give you to understand that he thought you were given to drawing the long-bow—in other words, magnifying facts. Of course, in a new Province like Manitoba, we do not expect to compete with such places as New York, Boston, St. Paul and Chicago in numbers, but we can safely say that there are just as good birds shown in Winnipeg as in these older cities. By actual count we had 942 birds, poultry and pigeons together, the heaviest class being Plymouth Rocks, closely followed by Wyandottes and Leghorns.

The barred Rocks were splendid, the best ever seen here. Mr. Butterfield said they were the best class of barred Plymouth Rocks he had run across this winter, being very even in quality. There were seventeen pens on exhibition, four more than at the great New York show. The white Rocks were also a very good even lot, the winners scoring well up in the nineties. Buffs good, but not very many on exhibition.

Wyandottes were a large class, and of very good quality. The silvers made a nice lot, but hardly up to the mark of former years. Goldens were very few in number, but the winning cock, cockerel and pullet made up in quality, scoring 93 1-2 for cock, 94 1-2 cockerel and 93 3-4 pullet. The cockerel, in the judge's opinion, is the best allround golden Wyandotte he had seen this winter, being large, of fine color and in good shape. White Wyandottes very good, the winners going away up. A pen of these won the Lieutenant-Governor's challenge cup for best pen of Asiatic or American fowl. Blacks also good. Buffs made a great turnout, being a nice even buff all through, and exciting the admiration of everyone who saw them. Buffs are rapidly coming to the front, and breeders of the old varieties will have to look to their laurels, or they will soon be distanced in the race for fame.

Light Brahmas made a nice class, not so many as usual, but every bird a good one. Only two or three dark Brahmas were shown. Cochins made a fine display, especially buff and part-ridge, the latter being grand in shape and markings, and well shown. Langshans a good class, the winners being top-notchers.

Dorkings were a small class, but good; also Javas, only black being shown.

Leghorns made up a very large class, the whites, rose and single-combs being the finest lot ever seen here. They were white as snow, and fine in shape, head points, and good yellow legs. Browns good, also blacks and buff. Minorcas a nice lot, the winners being good shaped, big-bodied birds, and fine in lobes and color of plumage. They show a decided improvement over former years, for they are getting away from the Leghorn type which used to be seen so much.

Andalusians and Spanish were small classes, but away up in quality. Houdans were the only representatives in the French class, but these are steadily gaining ground in popularity, which is proved by there being no less than thirty-five specimens on exhibition. Scores ran pretty close, and honors were well divided among the several exhibitors.

THE TWO SCIENTIFIC COMPOUNDS



GREIG MANUFACTURING CO.,

More sold in the DOMINION each year than all quack goods combined. DR. HESS' POULTRY PAN-A-GEA is not a poultry food. Don't take any poultry food as a substitute. PAN-A-GEA possesses special merit peculiar to itself, cures diseases and makes hens lay. It is not a stimulant, but a reliable tonic.

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DR. HESS' POULTRY PAN-A-GEA AND INSTANT LOUSE KILLER

INSTANT LOUSE KILLER KILLS LICE

It is in powder form, does not stain the plumage, nor taint the eggs and meat. A great advantage over liquids. Put up in round cans, with perforated top, most convenient to use. If you cannot procure them of your local dealer, it is manufactured by DR. HESS & CLARK, Ashland, O.



Canadian Agents
MONTREAL, CANADA.

600

Games made a fine lot, especially Indians, which appear to be getting popular. They are certainly a very strong hardy-looking bird, and should do well in Manitoba. Polish were a small class, but good, only white-crested blacks being shown. Hamburgs a large class compared with other years, there being some grand golden and silver spangled shown. Also a few Red Caps, very good ones too.

Bantams, about 160 entries all kinds, from Cochin and Brahma to B.B. red Games. Sebrights and Africans were very good, and scored high. Pigeons—a good display of good ones.

A great attraction to the public lay in several pairs of Pheasants, golden, Mongolian and ring-necks.

Turkeys, both bronze and white Holland, were well represented. There were some magnificent birds among them.

Geese also very good—Toulouse, Embden and Chinese being shown.

Ducks were represented by Pekin, Rouen and Indian Runners.

During show, Mr. and Mrs. Yuill, of Carleton Place, Ont., gave practical demonstration of the method of fattening poultry

by means of the cramming machine, much in use in France and England. They had a coop of fowl, which they fed three times each day during show week, and on the last day killed and dressed them according to the style preferred in Manchester and Liverpool markets. Farmers visiting the show were greatly interested. —Nor-West Farmer.

LIST OF AWARDS.

Light Brahmas.—Cock—1st, H. A. Chadwick, St. James; 2nd, Newall Bros., Winnipeg; 3rd, L. Mitchell, Winnipeg. Hen—1st and 3rd, Newall, 2nd, Chadwick. Cockerel—1st, Chadwick; 2nd, J. E. Kimberley, Hounthwaite; 3rd, Newall. Pullet—1st, Kimberley; 2nd and 3rd, Newall.

Dark Brahmas.—2nd cock, 3rd cockerel, J. Kennedy, Winnipeg.

Buff Cochins.—All awards to F. D. Blakely, Winnipeg.

Partridge Cochins.—Cock—1st, W. Anderson, Brandon, 2nd, Chadwick; 3rd, A. E. Shether, Brandon. Hen—1st, Chadwick; 2nd, Shether; 3rd, Anderson. Cockerel—1st, Chadwick; 3rd, Emery & Bonnick, Winnipeg. Pullet—1st, Chadwick; 3rd, Emery & Bonnick.

Black Cochins.—All to Anderson.

Black Langshans.—Cock—1st, Chadwick. Hen—1st, Chadwick. Cockerel—1st, Chadwick; 3rd, J. Hills, Winnipeg. Pullet—1st, Chadwick; 2nd, Hills.

Black Javas.—Hen—1st, J. Kitson, Macdonald; 2nd, C. Midwinter, Louise Bridge. Cockerel—1st, Kitson; 2nd, Midwinter. Pullet—1st, Midwinter.

Dorkings.—All awards to Midwinter.

Barred Plymouth Rocks.—Cock—2nd, W. Rutherford, Winnipeg; 3rd, Kitson. Hen—1st, Chadwick; 2nd and 3rd, J. Rothnie, Virden. Cockerel—1st, Chadwick; 2nd, Todd & Co., Winnipeg; 3rd, T. H. Chambers, Brandon. Pullet—1st, G. H. Grundy, Virden; 2nd, Munroe Bros., Winnipeg; 3rd, Mrs. Geo. Wood, Louise Bridge.

White Plymouth Rocks.—Cock—2nd, R. Dolbear, Winnipeg. Hen—1st, Dolbear; 2nd, W. H. Garside, Brandon; 3rd, Munroe. Cockerel—1st, Garside; 2nd, S. B. Blackhall, Winnipeg. Pullet—1st, Garside; 2nd, J. R. Henry, Chater; 3rd, Blackhall.

Buff Plymouth Rocks.—Cock—2nd, H. W.

Balls, Portage la Prairie; 3rd, Todd & Co. Hen—2nd, Balls. Cockerel—3rd, Todd. Pullet—1st, Balls; 3rd, Todd & Co.

Silver Laced Wyandottes.—Cock—2nd, E. Brown, Dolsevaln; 3rd, Grundy. Hen—1st, Grundy; 2nd, A. J. Carter, Brandon; 3rd, S. J. Thompson, St. James. Cockerel—1st, Grundy; 2nd, Chambers; 3rd, Thompson. Pullet—1st, Thompson; 2nd, Brown; 3rd, Grundy.

Golden Laced Wyandottes.—Cock—1st, T. Reid, Winnipeg; 2nd, W. A. Webb, Winnipeg. Cockerel—1st, S. Wise, Winnipeg; 2nd, Webb. Pullet—1st, Wise; 2nd, Reid.

White Wyandottes.—Cock—1st, Kitson; 2nd, Geo. Wood, Louise Bridge. Hen—1st, Wood; 2nd, E. Coatsworth, Winnipeg; 3rd, J. Knowlton, Brandon. Cockerel—1st, 2nd and 3rd, Coatsworth. Pullet—1st, Brown; 2nd, Coatsworth; 3rd, Wood.

Buff Wyandottes.—Cock—1st, R. J. Hinds, Winnipeg; 3rd, F. McArthur, Carman. Hen—1st, McArthur. Cockerel—1st, E. Fortier, Winnipeg; 2nd and 3rd, McArthur. Pullet—1st, 2nd and 3rd, McArthur.

Black Wyandottes.—All awards to George Wood.

Spanish.—All to Wood.

Andalusians.—Cock—1st, Wood. Hen—1st, Kennedy; 2nd and 3rd, Anderson. Cockerel—2nd, Kennedy. Pullet—1st, Kennedy; 2nd and 3rd, Anderson.

Black Minorcas.—Cock—1st, Midwinter. Hen—1st, Reid; 2nd, Chambers; 3rd, Riverview Poultry Yards. Cockerel—1st, Reid; 2nd, Riverview Poultry Yards; 3rd, Brown. Pullet—1st, Brown; 2nd, Midwinter; 3rd, Reid.

White Minorcas.—2nd hen, 1st cockerel, 1st and 2nd pullet, J. Kennedy.

S.C. White Leghorns.—All awards to George Wood, except 3rd hen to Garside, and 3rd pullet to A. Mitchell, Winnipeg.

R.C. White Leghorns.—All to Geo. Wood, except 2nd cockerel and 2nd pullet, to J. Knowlton, Brandon.

S.C. Brown Leghorns.—Cock—3rd, A. Williams, Winnipeg. Hen—1st and 2nd, Chambers; 3rd, Williams. Cockerel—2nd, Chambers; 3rd, Williams. Pullet—1st and 2nd, Chambers; 3rd, Williams.

R.C. Brown Leghorns.—3rd cock, 2nd hen, Williams; 1st cockerel, Kennedy.

S.C. Black Leghorns.—Cock—1st, J. E. Kimberley. Hen—1st, Hinds; 2nd, Kimberley. Cockerel—1st, Hinds. Pullet—1st and 2nd, Hinds; 3rd, Kimberley.

S.C. Buff Leghorns.—Hen—2nd, J. A. King; 3rd, Balls. Cockerel—1st, Balls; 2nd, J. M. Johnson, Winnipeg. Pullet—1st, and 3rd, King; 2nd, Balls.

B.B. Red Games.—Cock—1st, J. A. Mullen, Cypress River. Hen—1st and 3rd, Mullen; 2nd, Kennedy. Cockerel—3rd, Walker. Pullet—2nd, Mullen.

Brown Red Games.—All to Mullen.

Pyle Games.—1st hen, W. Anderson.

RAMSAY'S "CHAMPION STRAIN" Single Comb Snow White
LEGHORNS!

Silver Cup Winners.

Grand Cockerels for sale bred from Cockerel scoring 97 points. Prices on application.

Have proved themselves champions by winning highest honors wherever they are exhibited. At Owen Sound's Great Show '99. 1st on cock, score 94 1/2; 1st on hen, score 96; 1st on cockerel, score 97; 2nd on cockerel, score 95 1/2; pullet, score 93; 2nd on pen, score 187 1/2. Special for best bird in show—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.

At Toronto, Dec. 19th to 22nd, 1899, 1st cock, 1st and 2nd hen, 1st pen, 2nd cockerel, 2nd pullet. Special for best bird in class, also winner of silver cup for best collection.

HEN.

Score 96. First at the Owen Sound and Ontario Exhibitions.



Cockerel.

Score 97. Winner of first and four Specials at Owen Sound, '98.

Ontario show held in Peterboro' Jan. 9th to 12th, 1900. 1st cock, 1st and 3rd hens, 2nd pullet. Special for best pair of White Leghorns in the show, and special for the whitest bird in the show, all white birds competing. Owen Sound Jan. 16th to 19th, 1900. 1st and 3rd cocks; 2nd hen; 1st cockerel; 1st pullet, 1st pen. Special for best collection of Leghorns of any variety. Special for best collection S.C. White Leghorn also 4 other specials. Eggs for sale from 3 pens.

Pen No. 1. \$4.00 per 13.

Pen No. 2. \$3.00 per 13.

Pen No. 3. \$2.00 per 13.

Birds for sale at all times. Satisfaction guaranteed.

JOHN RAMSAY,

Owen Sound, Ont.

Box 149.

Duckwing Games.—Cock—1st, Balls. Hen—1st, Mullen; 2nd and 3rd, Aldritt, Winnipeg. Indian Games.—Cock—2nd, Balls. Hen—1st and 2nd, Chambers; 3rd, Mullen. Cockerel—1st and 3rd, Walker; 2nd, Chambers. Pullet—1st, Garside; 2nd, Chambers; 3rd, Walker Bros.

A.O.V. Game.—Cock—1st, Mullen; 2nd, Anderson. Hen—1st, Mullen; 2nd, Anderson. Cockerel—1st, Mullen. Pullet—1st and 2nd, Mullen.

S. Spangled Hamburgs.—Cock—1st, J. F. McLean, Brandon. Hen—1st and 2nd, McLean; 3rd, W. Lees, Winnipeg. Cockerel—2nd, Hinds; 3rd, McLean. Pullet—1st and 3rd, Lees; 2nd, McLean.

S. Pencilled Hamburgs.—All to M. & W. Cordingly, Winnipeg.

G. Spangled Hamburgs.—Cock—1st, McLean; 3rd, Todd. Hen—1st, Todd; 2nd and 3rd, McLean. Cockerel—1st and 3rd, McLean. G. Pencilled Hamburgs.—Cockerel—1st, J. Kennedy.

Black Hamburgs.—1st and 2nd hen, 1st and 2nd pullet, Chambers; 3rd hen, 3rd pullet, Kennedy.

W. Crested Black Polish.—Cock—1st, McLean. Hen—1st, Wise; 2nd and 3rd, McLean. Cockerel—3rd, Hinds. Pullet—1st, Hinds; 2nd, McLean.

Golden Bearded Polish.—Hen—1st, Chambers.

Houdans.—Cock—1st, Wise; 2nd, Midwinter. Hen—1st, Midwinter; 2nd, Wise; 3rd, J. Wilding. Cockerel—1st and 3rd, Wilding; 2nd, Midwinter. Pullet—1st, Wilding; 2nd, Riverview Poultry Yards; 3rd, Wise.

Red Caps.—All to Walker Bros., except 2nd pullet, to J. Dixon, Winnipeg.

Orpingtons.—All to W. A. Pettit, Winnipeg. B.B. Red Game Bantams.—Cock—1st, Reid. Hen—1st, Fortier; 2nd, Midwinter. Pullet—1st, Reid; 3rd, Anderson.

Duckwing Bantams.—1st and 2nd pullet, Midwinter.

A.O.V. Bantams.—1st cockerel, 1st pullet, J. W. Higginbotham, Virden.

Black African Bantams.—1st and 2nd, Chadwick. Hen—1st and 3rd, Chadwick; 2nd, McLean. Cockerel—1st, Chadwick. Pullet—1st and 2nd, Chadwick.

S. Sebright Bantams.—Cock, 1st and 2nd; hen, 1st and 2nd; pullet, 1st and 2nd, Chadwick.

G. Sebright Bantams.—Cock—2nd, Balls. Hen—2nd and 3rd, Newall Bros. Cockerel—1st, Newall. Pullet—2nd and 3rd, Newall.

Buff Cochlin Bantams.—Cock—1st, Garside. Hen—1st, Garside; 2nd and 3rd, Fortier. Cockerel—1st, Wilding. Pullet—1st, Anderson; 2nd, Garside; 3rd, Anderson.

White Cochlin Bantams.—Cock—2nd, Anderson.

TURKEYS, GESE AND DUCKS.

Bronze Turkeys.—Adult cock—1st, Wilding; 2nd, Midwinter; 3rd, C. A. Horton, Winnipeg. Hen—1st, Hutchinson; 2nd, Wm. Kitson, Burnside; 3rd, Midwinter. Cockerel—1st, Kit-

son; 2nd, Midwinter. Pullet—1st and 2nd, Kitson.

White Turkeys.—Cock—1st, H. Matthew, Winnipeg. Cockerel—1st, Hutchinson. Pullet—1st Hutchinson.

Geese.—Emblen, Toulouse and Chinese—All to Midwinter.

Ducks, Pekin (old)—1st, Midwinter. Pekin (young), 1st and 2nd, Riverview Poultry Yards. Muscovy, 1st, Midwinter. Rouen, 1st, Kitson. Indian Runner, 1st, Riverview Poultry Yards. A.O.V., 1st, Kitson.

BREEDING PENS.

Brahmas.—2nd, Higginbotham.

Buff Cochins.—1st, Blakely.

Partridge Cochins.—1st, Chadwick; 3rd, Anderson.

Black Langshans.—1st, Chadwick; 2nd, Todd & Co.

Barred Plymouth Rocks.—1st, Munroe Bros 2nd, Rutherford; 3rd, Chadwick.

White Plymouth Rocks.—1st, D'Vear; 2nd, Henry; 3rd, Munroe.

Buff Plymouth Rocks.—3rd, Todd & Co.

Silver Laced Wyandottes.—3rd, A. J. Carter, Brandon.

Golden Laced Wyandottes.—2nd, Reid.

White Wyandottes.—1st, Kitson; 2nd, and 3rd, Coatsworth.

Buff Wyandottes.—1st, 2nd and 3rd, McArthur.

Spanish.—1st, Wood.

Minorcas.—1st, Reid.

S.C. White Leghorns.—1st, Wood; 2nd, Munroe; 3rd, Mitchell.

R.C. White Leghorns.—1st, Wood.

S.C. Brown Leghorns.—2nd, Chambers; 3rd, Williams.

Buff Leghorns.—1st, Johnson; 2nd, King.

Indian Games.—1st, Chambers.

Black Hamburgs.—1st, Chambers.

Houdans.—1st, Wilding; 2nd, Wise; 3rd, Anderson.

Orpingtons.—1st, Pettit.

Game Bantams.—1st, Reid.

Sebright Bantams.—1st, Newall Bros.

Pheasants.—All to Garside.

Guinea Fowls.—1st, Wilding.

Guinea Pigs.—1st, Balls.

SWEEPSTAKES AND SPECIALS.

Lieut.-Gov. Patterson's Challenge Cup for best pen Asiatic or American fowls, won by J. Kitson, Macdonald, with a pen of white Wyandottes.

E. L. Drewry's Challenge Cup, and Gold Medal for best three males and three females, won by S. Wise, Winnipeg, with Houdans and golden Wyandottes.

Nor-West Farmer's prize of lady's gold watch for best pen of chickens shown by farmer, won by J. R. Henry, Chater, Man., with white Plymouth Rocks; 2nd prize, silver water pitcher, by J. Kitson, Macdonald, won by E. Brown, Bolsseval, with white Wyandottes. Nor-West Farmer's prize of lady's gold watch, for best pen of turkeys, won by W.

Kitson, Burnside; 2nd prize, Association cup, F. Hutchinson, Hayfield.

F. W. Drewry's silver medal, for best exhibit in American class, won by E. Coatsworth, Winnipeg, with white Wyandottes.

Geo. Wood's silver cup to the exhibitor showing the most birds scoring 90 or over, and paying transportation charges on his exhibit, won by T. Chambers, Brandon.

W. J. O'Connor's silver cup, for most birds scoring 90 or over in Game class, won by T. Chambers.

D. McKenny's cup, for best exhibit of Geese, won by C. Midwinter.

Victoria Hotel gold medal, for best pair Plymouth Rocks, won by H. A. Chadwick, St. James.

Dr. Dame's gold medal, for best pair Langshans, won by H. A. Chadwick.

Geo. Velle's prize, value \$5, for best pair in French class, won by S. Wise, Winnipeg.

R. J. Whittia's prize, for best exhibit in Mediterranean class, won by Geo. Wood, Louise Bridge.

R. J. Whittia's prize, for best exhibit in Asiatic class, won by H. A. Chadwick.

John Todd's prize, for best pair barred Rocks shown by farmer, Munroe Bros.

J. H. Anderson's prize, for best black Leghorn cockerel, won by Miss D. Hinds.

Best pair buff Leghorns—J. M. Johnson.

Best buff Leghorn pullet—J. A. King.

Best collection of buff Leghorns—J. A. King.

Best pair white Minorcas—J. Kennedy.

Best collection pigeons—R. Stokes.

Farmer's Advocate prize—Five yearly subscriptions, as follows: Best barred P. Rock cockerel shown by farmer, Munroe Bros.; best white Wyandotte cockerel shown by farmer, J. Kitson; best light Brahma cockerel shown by farmer, J. E. Kimberley; best bronze turkey cock shown by farmer, F. Hutchinson; best pair Pekin ducks, shown by farmer, C. Midwinter.

CORRECTIONS.

In the report of the Brantford Poultry Show you have Tozer, 1st; Burn, 2nd, and Mahler, 3rd, on block Cochlin Bantam hen. It should read: 1st, Brantford Bantam Yards; 2nd, Burn. Kindly correct and oblige.

Natchez Poultry Yards.

CRESSMAN BROS., PROPRIETORS, BERLIN, ONT.

BREEDERS OF STRICTLY FIRST-CLASS STOCK.

We have a limited number of eggs to spare this spring, from the following breeds:—BLACK MINORCA, BARRED PLYMOUTH ROCKS, WHITE WYANDOTTES, and SINGLE COMB BROWN LEGHORNS. All my breeding pens, are pure blood, my Leghorns a specialty. Order early. EGGS \$1.00 per setting. Stock for sale in the fall. No culls at any price.

The Advertisers' Help

TO WEALTH.

VOL. II.

APRIL, 1900.

No. 4.

SPECIAL FEATURES

of the CANADIAN POULTRY REVIEW.

Department on "Practical Poultry," conducted by A. G. Gilbert, Manager Poultry Department, Dominion Experimental Farm, Ottawa.

Department for "Turkeys, Ducks and Geese."

Department for "Bantams."

Department for "Incubators and Brooders."

Department "With Uncle Sam," (U. S. news).

Department "Poultry Ailments."

Numerous Illustrations, photos direct from file, all Show News, Prize Lists, etc.

The best articles written by the best men, 50c. per year, three years \$1.00.

CAKCLE.

This is undoubtedly "a late season." At this date, March 21st, and in this locality, snow and ice are three feet or more thick on the ground. There will, for this reason, likely be a demand for eggs for hatching later in the season than usual. A small ad. the year round pays. You can't eat enough in a day to last you a week.

Don't let your ads. read the same all the year round. Keep changing them. Advertise what you have for sale now, not what you had or will have.

Bantam eggs sell as late as July and August. Don't quit too soon.

THESE ARE WORTH READING. WE HEG FOR NO TESTIMONIALS. WE DON'T HAVE TO.

This is a live paper for live people to sell live goods.

My ad. with you has done well. Have sold all the stock I had to spare, and could have sold more if I had had it. Egg orders commenced in January, and I have orders booked that will take me till March 10th to fill. I tested eggs set under four hens (fifty-two eggs) to-day, and found all fertile but two. I think this is about a record for February eggs; at any rate it shows that my birds are strong and vigorous.

Yours truly,

J. S. JEFFREY.

St. Catharines, Ont., Feb. 27, 1900.

Mr. H. B. Donovan, Toronto.

Dear Sir,—I am sending you the names of some new subscribers for the Canadian Poultry Review, which you will find enclosed as follows: Thos. Cole, James Elliott, Fred C. Hoar, Charles Richards, Bowmanville; Norman Rundle, Haydon. You will find \$2 enclosed, which will include my subscription; also kindly send me receipt for same. They

Sample Free.—Rates same to all, and printed in each issue. No "special" rate, no "cut rate," so please don't ask for it. H. B. DONOVAN, TORONTO.

H. B. Donovan, Esq.

Dear Sir,—Your letter to hand and noted. I enclose a copy of ad. for March, April and May. Kindly give it proper attention, and oblige.

Sales have been very good this winter. Enquiries are abundant now. I booked one order for \$20 worth of eggs to go to British Columbia.

Yours truly,
GEO. F. LEE.

Highgate, Ont., Feb. 21, 1900.

We have had a grand season. Could have sold many more birds. Are preparing for a big season the coming year. The Review does the selling; we do not advertise elsewhere.

Toronto, March 17, 1900.

This should be enough for one month. Don't you think so? If you have anything to sell we should be able to help you.

WONDERFUL RESULTS.

DARCH & HUNTER,

SUCCESSORS TO John S. Pearce & Co.

IMPORTERS & GROWERS OF
Field, Garden and Flower SEEDS
CREAMERY APPARATUS
DIETRY SUPPLIES

London, Ont., Mch. 19, 1900

H. B. Donovan, Esq., Toronto,

Dear Sir,—Enclosed please find change of "Ad." for next Review. We had a letter from you on the 7th of Feb., asking if we would send cuts of Brooders, but being so rushed could not attend to it, and have taken the liberty of sending the cuts asked for now, if you can use them kindly do so. We are having most wonderful results from our "Ad.;" enquiries and orders all the way from B.C. and the N.W.T., and the enquiries usually bring an order. Incubators, Brooders and Bone Cutters are booming. Did not think the Review circulated so far, which certainly is an eye opener to us. When asked which is the best poultry paper published, we invariably answer "The Canadian Poultry Review," published by H. B. Donovan, Toronto, Ont. Success to the Review.

Yours truly, Darch & Hunter.

H. B. DONOVAN, Toronto.

S.C. Brown Leghorns a Specialty

At Winnipeg, '98, on 3 entries, 2 first, 1 second; at Woodstock, 1900, Cock first, score 92, second 91, Cockerel, first, 94 1/2; at Ingersoll, 1900, 8 entries, 4 firsts, 3 seconds, 1 third; at Peterborough, 11th, 2nd and third, Pullets third, first and special for Breeding Pen.

Birds for sale at all times, and EGGS in season at \$1.50 per setting, or \$10.00 per 100.

Address all correspondence to

J. G. TAYLOR,

Box 385, Woodstock, Ont.

S.C. Brown Leghorn Specialties 500

COOK'S BUFF WYANDOTTES

again cover themselves with laurels. When at the Ontario Show, Peterboro'

in the hottest competition, they won Cock 3rd, Hen 2nd, Cockerel 1st, Pullet 1st (more prizes than any other exhibitor in class). Also, 6 firsts, 6 seconds, 1 third at

Toronto, "Industrial", Western London, Southern, Brantford Fall Shows, 1899.

Eggs for sale in season.

Box 324 HARVEY J. COOK,
900, Woodstock, Ont

Belleve Poultry Yards

Hy. Dunn, Proprietor, Outremont, Montreal.

WHITE PLYMOUTH ROCKS

Breeder of high class exhibition

At the late Montreal Exhibition my birds made almost a clean sweep, winning 1st, 2nd, 3rd and 4th pullets, 2nd, 3rd hens, 3rd cock, 2nd breeding pen. Stock for sale and eggs in season; \$2 per setting of 15, three settings \$5.
201

London Poultry Yards.

W. McNEIL, Proprietor,

778 Waterloo St. - - London.

BREEDER OF HIGH CLASS POULTRY,
INCLUDING

White Cochins, all kinds of Polands and Hamburgs, Golden and Silver Sebrights, Black African, Pekin and Japanese Bants. Fowls for sale at all times, and eggs in season.

WHAT A NEW JERSEY READER SAYS.

PLEASE find enclosed my subscription to one of the most improved poultry journals published.

Pleased to note your fine reports of shows, something exhibitors and fanciers like to read and look for in a poultry journal.

May the Review grow and you prosper.

Respectfully yours,

B. C. THORNTON.

S. Vineland, N.J., Mar. 17, 1900.

MEETING OF THE POULTRY COMMITTEE OF THE IN- DUSTRIAL EXHIBI- TION, TORONTO.

AN INCREASED LIST—A NEW JUDGE-
PRIZES ON PHEASANTS DOUBLED.

THE members of the above committee met on March 26th, in Toronto, Mr. John Chambers presiding. Others present were, Bogue and McNeil, London; Barber, Bonnicks, Lake, Croker, Close and Atkinson, Toronto; Hobbs and Noorcraft, Bowmanville; Dunne and Henderson, Hamilton. Mr. H. J. Hill, manager of the exhibiton, was present with his usual little talk. Dr. Bell and Mr. Daniels were also on hand.

Mr. H. B. Donovan was on motion requested to act as secretary.

The first business transacted was the cancelling of the last clause of the last rule, which will in future simply read, "In future no variety will be added to the list until it has been shown for two successive years at this exhibition in the A.O.V. class."

The changes recommended to be made in the list are as follows: Orpingtons to have two classes, i.e., black and any other color; Japanese Bantams to read, white, black tail and any other color, or three classes in all. In the medal section, the following will be offered in Leghorns: one for each of the single comb colors, white, brown, buff, black, and one for rose combs, any color, five in all, an increase of three. In Game Bantams a medal was added for whites.

In the pens, Leghorns, any other color, was changed to read black, and a section added for white Wyandottes. A motion of Mr. Henderson's, seconded by Mr. Dunne, that the pens be entirely struck from the list and the money added to the single classes, was lost.

The prizes on Pheasants was increased to \$3 and \$2, and it is hoped that this will bring out a

large entry of these attractive birds.

In pigeons classes were added for Oriental Tumblers, for Dragons bred in 1900, and for muffed legged Tumblers. Messrs. Donovan, Bell and Bonnicks were appointed a committee to look after the Homing pigeons; in future in this class all birds entered must be exhibited.

The names of the judges are not to appear in the lists, nor are the classes they are to take to be announced prior to the time of judging. The judges appointed were Messrs. Butterfield, Jarvis, Drevenstedt, Wagner and Bertie. Mr. Daniels was recommended as the best man for his old position as superintendent.

The chairman thanked the members for their presence and attention, when the meeting adjourned.

H. B. DONOVAN,
Sec. of Meeting.

WOODSTOCK DATES.

KINDLY publish our dates for next winter's show. We have decided on December 18, 19, 20 and 21—Tuesday, Wednesday, Thursday and Friday—1900, and oblige,

Yours truly,
J. H. CALLANDER,

"D" Crushed Oyster Shells,
Crushed Flint,
Calcite,
Ground Brick,
Ground Beef Scraps,
Meat Meal,
Granulated Bone,
Bone Meal,
Send for samples and price list
American Poultry Feed Co.,
Box 942, York, Pa.

Poultry Foods

**PUBLISHERS
NOTES**

Mr. J. H. Cayford, Box 1182, Montreal is our Agent and Correspondent for the Province of Quebec. Any correspondence relating to subscriptions or advertising may be addressed to him.

If you send us the name of a new subscriber together with \$1.50 we will extend your own subscription for one year as well as send Gazette to the new name for one year. This makes it but 75 cents each. The only condition we make is that the name of the subscriber is a new one and not renewal.

What the New Ads. say this Month.

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

Excelsior Poultry Yards take space for a year to offer eggs and birds for sale; also several useful and necessary commodities.

C. B. Huff sells eggs from several pens at \$1 and \$1.50 per 13.

Chas. Massie, in renewing his classified ads, "Wyandottes" and "Pigeons," is offering a tempting lot of stock for disposal and eggs from prize-winners. His birds are always in the money.

Richard Oke drops white Javas from his list, and adds blacks and mottles. His numerous wins at the biggest shows tell the quality of his stock.

A. G. Hull & Son offer for sale eggs from several breeds. Many varieties of seed potatoes and trees, bushes, etc., of all kinds.

J. C. Lyons will sell eggs at \$2 per 13, \$5 per 45, from grand pens of a number of breeds. Eggs guaranteed to hatch or unfertile eggs replaced free. See his large ad for scores of Rocks, etc.

Albert Edwards breeds white Rocks exclusively, and is selling eggs at \$2 per 13. See ad. for wins.

I. K. Millard is offering a Welles barred Rock cock for \$5, cost \$10.

Jas. Hillman is selling eggs from his prize-winning Indian Games. He gives the wins of pen in his ad., and has but one pen.

Wm. C. Wilson & Son, in taking a breeder's card for a year offer, Shorthorn cattle and several breeds of poultry for sale, and eggs from the latter. Send to them for circular.

Through an error the town address was left off Kirchner & Flanagan's ad. in last issue. It will now be found, enlarged elsewhere in this number. They keep several A1 varieties, and give a long list of their recent wins. Eggs, \$2 per 15, or \$5 per 45.

Vineland Poultry Yards have several varieties, and something special in barred Rocks. They offer eggs at low rates for quality.

Natchez Poultry Yards are selling eggs at \$1 from four popular breeds. S.C. brown Leghorns a speciality.

W. J. Player, Leghorn specialist, breeds his winners in buffs and browns, and offers eggs for sale from his best stock at \$1.50 for 15, and guarantees ten chicks or will duplicate at half price.

Eggs from "stay white" Wyandottes are advertised by the Trent Valley Poultry Yards. Write them for circular and price list.

Lovell's Lice Liquid is now in order. Guaranteed to kill. See ad.

John McDougall reduces price of eggs on white Rocks and black Minorcas to \$1 per setting.

H. S. Babcock (see third cover page) offers eggs for hatching at low rates from good birds.

Buff Leghorn eggs from "two solid buff pens," so say Spry & Mick. Sell from the same pens as they use themselves.

Millard's large size black or white Cochins. Eggs, \$4 per 13 from his best pens. See his new ad.

Ottawa Poultry Yards have a lot of surplus

stock, good stuff, that they will sell cheap now. See the long list in their new ad. Particulars on application.

Announcement of Bauman's black Minorcas will be found in this issue. Big winners at Detroit and Chicago, both rose and single comb. Eggs, \$1, \$2 and \$3. Circular free. All stock is sold on approval, and all orders for Canada are shipped from Windsor, Ont., so there need be no trouble with the customs.

Geo. Bogue offers eggs for hatching from a long list of prize-winners of several popular varieties. He will sell assorted settings or all of one kind at \$2 per 13, or \$3 per 25.

W. Thorn has a lot of good, surplus stock, several breeds, that he is offering bargains of.

Chas. LaRose has added white Indian Games to his yards, and will sell eggs from them; also from barred Rocks and golden Sebright Bantams, \$1.50 per setting straight.

J. F. N. Kennedy is selling eggs from his white Rocks at \$2 and \$3 per 15.

J. W. Kedwell, in his ad. on front cover, prints a testimonial that should bring him business. He will ship eggs from the same pens he uses himself.

Dunbarton Poultry Yards, under the new proprietor, offer eggs at reasonable rates from good birds of popular breeds.

Geo. Elliott gives an egg record of Andalusians that should help his strain along. He offers eggs at low rates.

Huntley & McKinnon, in taking a small ad. for a year, offer eggs from Andalusians, white Rocks and Duckwing Games. They have stock for sale also at low prices.

Darch & Hunter change their page ad. in this issue, and in addition to their usual list of incubators, brooders, poultry supplies, etc., offer collections of garden seeds that are sure bargains at the price. Our gardening readers should give them a trial.

Elmvale Farm offer eggs at \$2 from "chalk white" Leghorns and Wyandottes. Winners head both pens.

Changes occur in Herbert Bradfield's buff Rock ad. that it will pay you to read.

GREAT POULTRY OPERATIONS.

The South Will Have One of the Largest in the World—Interest North and East.

H. S. Karsendick, New Orleans, purposes having one of the largest poultry farms in the world. Although now well stocked, he will install 55 new Prairie State incubators, capable of adding to his big flocks about 16,000 chicks every third week. In Georgia, State Senator White, at Smyrna, has bought ten of these incubators, and G. M. Clarke & Co., at Kennington, ten of the same capacity. These will be among the largest poultry operations in this country. All their apparatus, incubators, brooders, etc., were made by the Prairie State Incubator Co., Homer City, Pa., who supply many well-known breeders and fanciers, and furnish the machines for the United States Government agricultural experiment stations. The Prairie State Company's works are very busy at present, indicating an unprecedented activity in chicken breeding and chicken raising. Their November and December sales were 3,124 machines; January, 2,227, and February is expected to show about 3,000. The Prairie State Co.'s exhibits at the late poultry shows held in Boston and Madison Square Garden, New York, drew enormous crowds of intensely interested people. The 2,000 chickens hatched at Boston were the most attractive of all things at the New England show. Our readers interested in chickens should write Prairie State Incubator Co., Homer City, Pa., for their 128-page catalogue. It contains fifty colored plates and a large number of photo-engravings showing the model poultry farms of America, and fully explaining their new appliances.

CANADIAN POULTRY REVIEW

IS PUBLISHED AT
TORONTO, ONTARIO, CANADA,
BY H. H. DONOVAN.

Terms—50c. 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 Mths.	6 Mths.	12 Mths.
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	2 00	3 00	5 00

Breeders' Directory, 1-1-2 inches, 1 year, \$8; half year, \$5; 3 months, \$3.

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.

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.

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 changed 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. Anyone buying these Coupons can use them at any time in lieu of money when sending in an advertisement. Not less than four coupons sold.

THESE RULES MUST be followed:

1. Payment MUST be made in advance, the amounts are too small to permit of book-keeping.

2. Write copy for ad. on a separate sheet from any other matter, and on one side of the paper only.

3. See that ads. are 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.

6. Changes must reach us not later than the 15th. New advertisements not later than the 20th of each month.

Unless above rules are followed we cannot guarantee correctness.

BOOKS, ETC.

Binders for Review—We can now supply neat binders for Review, will take in a whole year, free by mail for 35c. They are indispensable to those who wish to retain their copies neat and clean. H. B. Donovan, Toronto.

ANDALUSIANS.

Andalusian Eggs from my finest matings. Silver plate winners. \$1.50 per 15. \$2.50 per 20, also a few first class cockerels and pullets. J. Yates, Lambton Mills, Ont.

Blue Andalusians, white Plymouth Rocks and Duckwing Games (standard bred). Eggs and stock for sale at reasonable prices. Satisfaction guaranteed. Write for prices. Huntly & McKinnon, Ingersoll, Ont. 301

BANTAMS.

White Cochin Bantams.—Fine stock. Clean white. Pairs \$3.00. Cockerels, \$2.00. Eggs, \$1.50. A few choice white Plymouth Rock cockerels. \$2. Wm. Hahman, Box 3, Altoona, Pa. 600

Line Kiln Poultry Yards, Brussels, Ont.—Eggs for hatching from prize winning Silver and Golden Lehighs, Buff, 5*skin and B.B. Red Game Bants, \$2 per setting. D. A. Lowry, Brussels, Ont. 400

Black Rose Comb Bantams—Choice exhibition and breeding stock for sale at reasonable prices. Enclose stamp for reply. E. F. Murphy, 620 Wellington Street, Ottawa, Ont.

Game Bantams—Black Reds, Fyles and Golden Duckwings of the finest quality. Unexcelled for style, reach, color and hardness of feather. Eggs from winners at Galt, Brantford, Hamilton and Toronto at \$3 per setting. L. T. McGiverin, Galt, Ont.

For Sale—Four buff Cochin Bantam cockerels, from \$1.50 up; three pullets at \$1.50 each. These include 3rd cockerel at Galt and Hamilton and Galt fair. C. R. Cumming, Galt, Ont.

Black Africans, white and black Cochin Bants. A few grand birds for sale at reasonable prices. Eggs, \$2.50 per 15. Look up my wins. Brantford Bantam Yards, 7 Niagara Street, Brantford, Ont.

White Cochin Bantam Eggs—\$2 per 15, from McNeill's famous winners; cock, \$1-2, females, \$4 to \$6. One pair chicks, \$4; beauties. A. G. Brown, Watford, Ont.

Pyle Bantams—\$3 for trio, A. L. Black African Bants, \$3 for trio; good show birds. Have no room to keep them. A. G. Brown, Watford, Ont.

Bants for Sale—Pair Silver Sebrights, \$3; pair Golden Sebrights, \$3; pair B.T. Japanese, \$4; pair buff Cochins, \$2; white Cochin pullet, \$1.50; black Cochin pullets, \$1.50. Money refunded if not satisfied. Bert Hicks, Woodstock, Ont.

Game Bantams—Golden Duckwing Bantam cock (imported direct), 1st Boston, 1st Hamilton, 2nd Industrial; a grand bird; \$10. Black Red cockerel, 1st Central Canada, 2nd Industrial, \$5. Rook, Prescott, Ont.

Bantams—A limited number of golden and silver Sebright eggs from my choice matings at \$2 a setting. Wm. Stuart, Goldie's Mills, Guelph, Ont. 500

Game Bantams—Black Reds, Fyles and golden Duckwings of the finest quality. Black Red cockerel, 1st at Galt, 1900, \$3; two others at \$2 two pullets, 1st and 2nd, Galt Fair, at \$2 each for \$3; Pyle cockerel, 2nd at Galt show, \$1; another at \$2; Pyle pullet, 3rd at Galt \$1.50; golden Duckwing cockerel, 1st at Galt \$2, and one pullet, \$2. These are bargains. L. T. McGiverin, Galt, Ont.

BRAHMAS.

Sherwood's Light Brahmans are good representatives of this popular breed. Large, broad-breasted birds they are, and colored to a nicety. The head of the pen is a 16-1-3 pound bird, imported direct from Eugene Hayward, winning under Hewes, 1st at Illinois State Fair, scoring \$11-4 points. His mates are all prize-winners, and weigh from 11-2 to 14 pounds. Eggs booked now at \$1.50 per setting, delivered when wanted. Sherwood Bros., Fergus, Ont. 600

Light Brahmans—A number of first-class cockerels and pullets for sale. All good breeders and high scorers. Eggs, \$2 per 15. Write John Cameron, 23 Superior Street, Brantford, Ont. 500.

BELGIAN HARES.

Belgian Hares—Fine imported stock for sale, two to six months old, from \$2 to \$4 per pair. Breeding does, \$2.50 to \$4 each. J. W. Kendall, Brussels, Ont. 400

CAGE BIRDS, ETC.

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

For Imported Birds—Try Hope's Bird Store, 109 Queen Street West, Toronto. Fine young Mocking Birds, warranted cocks, \$4.00 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 St. West, Toronto.

DOGS.

Scotch Collie Puppies—A number of very grand ones, sired by imported Otterburn Conqueror ex my best imported bitches, that will be sold to bona fide poultry men and farmers at from \$10.00 to \$20.00, about a quarter their actual value; also a number of older ones. Apply at once to C. Y. Ford, Kingston, Ont. N.B.—This strain can be easily trained to take care of poultry, cattle and sheep.

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.

At Stud—Rough-coated Scotch collie dog, "Jube," C.K.C., 4753, winner 1st in open class; also special for best collie in show at Winnipeg, July, 1899. John Davidson, Munro, Mich., judge. Sire, Benedick (imp.), winner of 31 firsts, 10 specials and medals in England. Jube, sable and white, has nice, long, lean head, small ears, well carried, splendid coat, good body. Fee, pair of pups. Only first-class bitches wanted. A. G. H. Luxton, Georgetown, Ont. 500

Beagle Hound Bitch—A little beauty; under twelve inches; good on rabbits or fox, and fit for show; out of imported pedigreed stock. Price \$10. E. Brown, Bracondale, Ont.

DUCKS AND GESE.

Imperial Pekin Ducks.—All stock sold. Orders now booked for eggs at \$1.50 per 11. Some Knapp white Leghorns yet. Maple City Poultry Yards, W. A. Wilson, Box 581, Chatham, Ont. 500

Pekin Ducks (Pollard-Rankin strain)—Eggs for hatching from 250 large, vigorous breeders, \$1 per 15, \$7 per 100. East Toronto Poultry Farm, Lee Avenue, East Toronto.

For Sale—Two pairs Toulouse geese, two pairs Rouen ducks; also eggs from both varieties in season. First prize stock. John Hord, Parkhill, Ont. 500

For Sale—Five Pit Game cockerels; price, \$5 for the lot if taken at once; one Rouen duck, \$1.50. White rats, 50c. pair. Eggs in season from Toulouse and Embden geese, Pekin, Aylesbury, Rouen and Cayuga ducks, S.S. Hamburgs and barred Rocks. Write for prices. All stock; winners. Amos Kelly, Sr., Quinn P.O., Kent Co., Ont. 400

Eggs from Toulouse, Embden, white or brown Chinese geese, bronze, Holland, white and Narragansett turkeys, \$2.50 per 11. Pekin, Rouen, Cayuga, Aylesbury and wild (decoy) ducks, \$1 per 12. See report of Winnipeg and Brandon exhibitions, July, 1898 and 1899, for prizes won. Satisfaction guaranteed. A. G. H. Luxton, Georgetown, Ont. 500

GAME.

Eggs, \$1.00—Games—Irish and Mexican Grays, Heathwoods, Irish Black Reds, Tornadoes, Cornish Indians, \$2. Circular. Stock all times. C. D. Smith, Fort Plain, N.Y. 500

Pit Games—My special breed. Yamaska pit Games are guaranteed to win or die. Write for prices. Eggs, \$1.50 per 15. J. A. A. Seguin, Box 156, St. Hyacinthe, P. Que. 1200

Game Eggs for Sale—\$1.50 for 15—B.B. Red Duckwing and Red Pyle; also Irish Red and Glinger Pit. Order now for early settings. Lorne Poultry Yards, West Lorne, Ont. 500

Standard Games.—I can spare black-red cockerels and females, brown-red females, and red Pyle cockerels and females from my celebrated prize winning strains at reasonable prices. They won 13 prizes at Madison Square Garden, New York, this year. John Crowe, Guelph, Ont. 500

C. W. Treadgold, importer and breeder of exhibition Games, Game Bantams and fancy pigeons, has for sale a few high class birds at reasonable prices. Satisfaction guaranteed. Blenheim, Ont. 700

Exhibition Games and Game Bantams—Black Reds and Fyles. My matings this season are all high class birds; in fact, the best I ever had. Eggs and birds for sale. Satisfaction guaranteed. A. J. Grigg, Jeweller, Clinton, Ont. 101

Cornish Indians—A few eggs only at \$3, all my winning females, first hen at Mid-Continental, December, 1897, and first pullet at Kansas City, 1897, and hen that won first at Chicago and Danville, Ill., 1898, as a pullet, first and second hen at Petrolea, 1899, and a male, bred by Adam Thompson; weight, 10 lbs., and fine all over. M. L. Farrell, Glencoe, Ont.

HAMBURGS.

Rush's S.S. Hamburgs again lead, winning all firsts and specials at Montreal Show, 1900; also blacks. Eggs, \$3 per 15. See wins in Review. G. W. Rush, Box 42, Queen's Park, Montreal, P.Q.

For Sale—Eggs from good S.S. Hamburgs (McNeill strain). Cockerel 1st at Woodstock (shown by Pullin); score, 91, with hen's score, 92; 2nd at Stratford. \$2 per 15. S. Dippel, Listowel, Ont.

Black Hamburg Eggs—\$2 per setting. Every bird direct from McNeill and Oke. W. Elliott & Son, Oshawa, Ont.

Eggs, \$1.50—From S.S. Hamburgs, black Hamburgs, barred Rocks and black Leghorns; from same pens we use ourselves. Address W. Davidson & Sons, Lambton Mills, Ont. 1100

HOUDANS.

Houdans—Eggs for sale. These birds are first class birds winning first prizes at Galt poultry show. Eggs \$1.50 per setting. Geo. H. Ingham, Ingersoll, Ont. 400

LANGSHIANS.

Eggs for Sale—From black and white Langshans, B. Red Games, white and black Cochin Bantams and Pekin ducks. (See Review for prizes won.) H. Karn, Guelph, Ont. 400

Black Langshans and eggs for sale. See Review for prizes won at Toronto and London. On eight entries at London won eight prizes. R. McCurdy, 176 Oxford Street, London, Ont. 500

LEGHORNS.

Rose Comb White Leghorns—At Toronto Show in December, 1899, on five entries I won 1st cock, 1st and 2nd hen, 1st pullet and 2nd cockerel. Eggs for hatching. James McIntosh, Confederation Life Building, Toronto, Ont. 600

Buff Leghorns.—Have some fine first premium birds. Stock for sale. Eggs \$2 per fifteen. C. W. Hadden & Son, Box N, Painesville, Ohio, U.S.A. 600

Line Kite Poultry Yards, Brussels, Ont.—Eggs from exhibition brown, white and buff Leghorns. Birds score from 92 to 91-2 points; \$2 per setting. D. A. Lowry, proprietor, Brussels, Ont. 400

Buff Leghorns.—I have bought and placed in my yard the following: first cockerel, first pullet, Galt, first and second pullets, Guelph fall shows; pullet in first pen Toronto Industrial; third pullet Guelph winter show; and others from leading strains in States and Canada. Eggs \$1.50 per setting. Guarantee seven chicks or order duplicated. R. T. Knight, Box 29, Guelph, Ont. 400

White Leghorns.—A clean sweep at Guelph Central Fair. I offer some of these winners for sale in cocks, hens, cockerels and pullets. Eggs in season, \$2 per setting. Geo. Brierty, P.O. Box 237, Guelph, Ont. 400

For Sale.—Eggs from S.C. white Leghorns (Wyckoff & Whiting strain); scored this season up to 96 by Jarvis; \$1 per 13, \$2 per 30, \$1 per 100. Geo. Downham, Wisbeach, Ont. 400

"Royal Strain" White Leghorns exclusively. Good size, absolutely white, fine style, genuine Leghorn shape. Three grand breeding pens. Eggs \$1.50 per 13. Cockerels for sale. Geo. E. Lee, Highgate, Ont. 500

White Leghorns.—Eggs, two dollars per fifteen from a choice pen of large snow white S. C. Leghorns, seven large Knapp pullets and cock bird I just got from Ezra Cornell. Dr. R. C. Coates, Thamesville, Ont. 500

For Sale.—A number of buff Leghorn hens, cockerels and pullets; buff Wyandotte cockerel and pullets. See Review for prize list. Eggs in season. Write for wants. Satisfaction guaranteed. James Dundas, Deer Park, Ont. 400

Rose Comb Brown Leghorns, a few first class hens at \$1; one cockerel at \$2; eggs \$1.50 a setting; address, J. A. Hope, G.T.R., Stratford, Ont. 500

S. C. W. Leghorns.—A proved laying strain; large eggs, white; stock vigorous. Eggs and chicks for sale. See ad. inside cover. Mashquoteh Poultry Yards, Deer Park, Ont. 400

Buff Leghorns that are buff (Spry & Mick, Berner & Murray strain); only a limited number of eggs will be sold; \$2 per setting of 13 eggs. Frank P. McDonald, Watford, Ont. 600

For Sale.—One S.C.W. Leghorn cockerel and two pullets. I won 2nd at Owen Sound (score 95) for pullet. Eggs from prize matings, 1st pen, cock 1st at Stratford, with pullets that score 93 to 95 (Jarvis), \$2 per 15; 2nd pen, cockerel, score 93, with hen, score 92-1-2 and 93-1-2 (Rarssay strain), \$1.50 per 13. Perth Poultry Yards, S. Dippel, Proprietor, Listowel, Ont.

For Sale.—Single Comb white Leghorns. Having decided to breed from less birds, we have some cockerels, hens and pullets, with and without score. J. & W. Barr, Jewellers, Woodstock, Ont.

White Leghorns, Single Comb.—Two-year-old hens, selected from large flock, particularly fine, prolific laying strain of large, white eggs; mated to cockerel scoring 94 by Dicknell. Every bird large, vigorous and snow white. Eggs, \$1 per setting. C. T. Stephens, Collingwood, Ont.

Wm. Mann, 673 Water St., Peterboro', breeder of S.C.B. Leghorns. Pen headed by a pure "Burgott" cockerel, 2nd at the "Ontario." Eggs, \$2 per 13. 500

A Rare Snap to get pure-bred stock cheap from prize winners. Brown and buff Leghorn cockerels, \$1, \$2 and \$3 each. Good, vigorous birds. Eggs, \$1.50, from birds scoring 92 to 95. Just imported, a grand cockerel for new

blood. At Galt Show I got three 2nds, and tied for two 3rds in a competition of fifty-four birds, and some birds scored 92-1-2, and did not get a place. Satisfaction guaranteed. W. J. Powell, Huron Street, Galt, Ont.

Leghorns, Single Comb Brown.—At Guelph, 1899, I won 1st cock, 1st and 3rd hen; also both specials. Eggs, \$1.50 per 13. T. J. Moore, Guelph, Ont. 600

Eggs for Hatching.—From the finest Single Comb white and brown Leghorns. Took prizes wherever shown. Eggs at \$1.25 per 13. Two sittings, \$2.25. Satisfaction guaranteed. H. Hess, Palmerston, Ont.

Brown Leghorns Exclusively.—Eggs, \$1.50 per setting. 1st Industrial hen, 1st and 2nd cocks, 1st and 2nd hens, 1st pullet, Brantford, and others as good are in my pen. Edward E. Orr, 51 Abdon Street, Brantford, Ont. 600

Eggs from my champion S.C. brown Leghorns at \$1.50 and \$2 per setting. No. 1 pen is headed by cockerel and pullet that won at Toronto Industrial, Woodbridge, Markham and Uxbridge. No. 2 pen is headed by a grand cock. F. Nighswander, Markham, Ont.

Rose Comb Brown Leghorns.—Prize-winning strain eggs, \$1.50 a setting. A few first-class hens left for \$1. Address J. A. Hope, G.T.R., Stratford, Ont. 600

For Sale.—Two S.C.B. Leghorn cockerels, \$1 and \$2. They are good. Must make room. Eggs for hatching. First pen—I have in my pen 1st cock at London and Brantford, score 95, shown by O'Brien, with good hens, score 91 to 93, \$1.75 per 13. Second pen—Nearly as good, \$1.25 per 15; two settings, 25c. off. Perth Poultry Yards, S. Dippel, Proprietor, Listowel, Ont.

Rose Comb White Leghorn stock for sale. Eggs, \$2 per setting; also imported Duckwing Leghorn and buff Wyandottes. Wm. Dick, Echo Place P.O., Brantford, Ont. 400

Black Leghorn Eggs, \$2 per 13, from my famous winning strain. A few choice hens and pullets, \$3 for two. A. G. Brown, Watford, Ont.

For Sale.—Eggs for hatching from high scoring S.C. brown Leghorns at \$1.50 per 13; also Homing pigeons at \$1 per pair. C. L. Matthews, Richmond, P.Q.

Rose Comb White Leghorns.—Pullets from winners with a Daniel's cock; fine quality; also golden Wyandottes. Grand pen of pullets headed by a winner of ten firsts. Eggs, \$1 per setting. Switzer & Metcalfe, Riceville, Ont. 600

MINORCAS.

Northup's 1898 Minorca Catalogue, the most complete ever published in descriptions, prices, 1000 winnings, new pictures of buildings and fowls, contains much information, fully indexed under 60 headings. Rose and single comb black Minorca cocks, hens, cockerels and pullets. Bargains. Geo. H. Northup, Box 478, Raceville, N.Y. 400

Abbott Bros.' Strain of black Minorcas, headed by a Minshel cockerel. Pullets scoring 94 by Dicknell. I am booking orders or eggs at \$1.50 per setting. S. N. Shier, Clrketon, Ont. 600

Minorca Eggs.—From birds that have won at Owen Sound and Stratford in best classes; also three pullets and one cock. He is the best-shaped cock in Canada. R. C. Ferguson, G.T.R., Stratford, Ont. 500

Eggs from imported pen of black Minorcas at \$2.00 a setting. A few Orpingtons and Minorcas for sale yet at Maple City Poultry Yards. W. A. Wilson, Box 584, Chatham, Ont. 600

Rose Comb and Single Comb Black Minorcas.—Grand stock; prize winners or from winners. Eggs from R.C., \$2, S.C., \$1 per setting. Good hatch guaranteed. Switzer & Metcalfe, Riceville, Ont. 600

S.C. Black Minorcas exclusively.—Four good breeding cockerels and four pullets; good, strong healthy birds. Eggs from my best English strains now ready. Geo. A. Sayer, Chatham, Ont.

White Minorcas.—I. Cock (Shales), 1st "Ontario" and Toronto; hens (Shales), 1st and 2nd Hamilton (1898), 1st "Ontario," Ottawa and 2nd Toronto, Osborne and Jerome. Females all winners. Eggs, \$2 per setting. II. Cock (93-1-2), 1st Huron (1899) to Shale-Duff & Scott females. Eggs, \$1 per 13. Bird for sale or exchange. Alvin Bricker, Listowel, Ont.

Black Minorca Eggs, \$2 per setting. From Pen No. 1—Headed by Cock Dandy, 1st and specials as cockerel big "Ontario," 1899 Pen No. 2—Detroit winner, score 91. These mated to prize winners. Satisfaction guaranteed. L. V. Zavitz, Toronto Junction, Ont.

Black Giant Minorcas.—Females mated to an ideal imported cockerel; all typical, large birds. Just one pen. Will sell all eggs laid until the birds are sold. Eggs, \$1.50 per 13 straight. S. M. Clemons & Co., Welland, Ont.

NEST BOXES.

The "O.K." Trap Nest-box.—Simple and practical. You can make one in half an hour at an outside cost of 15c. for all materials. You have been waiting for this box. Plans or model box, \$1 each; together, \$1.50. Write for particulars. J. J. Pratt, La Grange, Ill., breeder of B.B.R. Games. 500

ORPINGTONS.

S. C. Black and S. C. Buff Orpingtons.—Eggs for hatchings, \$2.50 per 13, from imported birds, first prize winners, Montreal. Brewster, Compton, Que. 400

Buff Orpingtons.—Eggs for hatching, from imported birds, \$3 per setting. W. L. Crawford, Union Bank of Canada, Quebec. 500

Vass' Buff Orpingtons are from England's best. Twenty-nine entries; 17 firsts, 7 seconds, 1 third, 2 fifths, 2 gold specials. Eggs for sale. Circular free. C. E. Vass, Washington, N.J. 700

PET STOCK.

Wm. Fox Imperial Rabbiteries, Toronto—My winning stock for sale—Lops, Dutch, Himalayans, Angoras, Belgians, black and tans, cavies; all varieties and colors; Jacobins, owls and parlor tumblers.

PIGEONS.

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

Clearing Sale of fancy pigeons.—Trumpeters, Barbs, Dragons, Swallows, Owls, Turbits, Jacobins and Fantails, all colors in pairs or single birds. Bert Hicks, Woodstock, Ontario. Satisfaction guaranteed.

Jacobins, Pouters, White Fantails.—Winners at largest shows for over fifteen years. Lot of elegant, stylish white Fan hens for sale, \$2 to \$5 each, worth double, and five pairs same quality at very reasonable prices; fifty Pouters and long-feathered Jacobins, all colors, of finest quality ever offered. No price lists. Enclose stamp. Charles Vassie, Box 202, Port Hope, Ont.

PLYMOUTH ROCKS.

Buff Rocks.—If you want eggs from winners that are bred from winners, and winners themselves, try mine; \$1.50 per setting. C. Jamieson, 137 Bleeker Street, Toronto. 400

Eggs for Sale—Thoroughbred barred Plymouth Rocks and black Minorcas; none guaranteed as represented; \$1 per 13. D. R. Campbell, 279 Yonge St., Toronto. 500
D. R. Campbell, 279 Yonge Street, Toronto. 500

Barred Plymouth Rocks—exclusively Latham and Welles strains, they are prize winners, each strain mated separate for the best result. I can spare a limited number of eggs at \$2 per 13. Address J. J. Connors, Whitby, Ont. Box 441. 400

Barred Rocks—A limited number of settings for sale from pen of six fine pullets mated with my big first prize cock at Guelph at \$3.00 per 13. Cockerel from this cock hatched 12th July, won first Galt in big class. No more Rocks kept. Black Minorca eggs \$1.50 per 13. Matt. Wilson, Fezous, Ont. 400

Plymouth Rocks—Barred White and Buff. Imported strains. Brown Leghorns from best strains in Canada. Eggs, \$2 per 15, \$3 for 20. Stock for sale; satisfaction guaranteed. Write me. Thos. Hawes, Whitby, Ont. 400

Germoreide cures roup.

For Sale—Barred Rock cockerels and pullets. Showed two birds at Brantford; two prizes. Pullet scored 94 1-2, cut 1-2 for weight; cockerel, 92 1-2. Eggs from cockerel and pullet matings, \$3 per 13. Money back if you want it. H. F. Nims, Dresden, Ont.

Eggs from grand pen of white Rocks, \$2 per 13. Cockerels scored to 94, pullets to 93 1-2 this year. W. P. Croley, 49 Ontario Street, Brantford, Ont. 400

White Plymouth Rock Eggs—Pen 1, cock, 1st, Industrial, 1897, 1st, London, 1898; A. C. Hawkin's pullets, \$2.00 per 13. Pen 2, Hankin's cockerel and good hens, \$1.00 per 13. G. J. Lovell & Co., Carlton West, Ont.

For Sale—Eggs from exhibition barred Plymouth Rocks. Large, healthy and vigorous birds, \$1 per 13, \$2 per 30. Blackburn Bros., Bowmanville, Ont.

For Sale—Barred Plymouth Rocks, exclusively, eggs for hatching \$1 per setting. Ontario Agricultural College and Thompson's strain. A trial order solicited. Isaac T. Zingit, Guelph, Ont. 500

Snow White Rocks—Fine pen large birds including 1st pullet, Sherbrooke and Quebec, headed by 10-lb. 1st cockerel, Quebec; also, R.C.B. Minorcas (Northup strain); two pens headed by standard weight cockerels. All eggs, \$1 per 13. Stock for sale cheap to make room. W. H. Kirby, Oshawa, Ont.

White Rocks—Being a druggist I cannot close store to exhibit at outside shows, but trust exhibitors who come to our annual exhibition, this year winning 1st cock, 1st, and 2nd cockerels, 1st and 2nd hens, 1st and 2nd pullets, 1st and 2nd breeding pens. This year's matings: Cock, 94 1-4, weight 10 3-4 lbs.; cockerel, 96, weight 10 lbs. Females score 93 to 94 1-2. More white Rock winners hatched from my eggs than any other breeder's in Canada. I guarantee a good hatch, and 75 per cent of chicks high-scoring exhibition birds. G. J. Ingersoll, Ingersoll, Ont.

Barred Rocks Exclusively—Three yards No. 1, headed by a light cockerel, but every feather barred. With him are mated six light hens and pullets, second to none—a grand pullet breeding pen. Cockerel pen No. 2 contains darker birds—a grand lot, and sure to breed winning cockerels. No. 3 Yard contains a dark cock, sire of 1st cockerel at Ontario (London), seven hens and pullets mated for best results. Eggs from any yard \$1 each, \$3 per setting. W. McLeod, 332 George St., London, Ont. 500

White Plymouth Rock Eggs, \$2 per 13. A very select pen. Three cockerels out of 1st hen, Western Fair, \$3 each; show bird. A. G. Brown, Watford, Ont.

White Rock Eggs, \$2 per setting, one pen only seven birds, first hen at "Ontario," second hen at Industrial; two pullets from Grooen and Grooen, Concord, Michigan, and two other hens mated with a 10 1-2 lb. cockerel. W. Elliott & Son, Oshawa, Ont.

White and Buff Rocks—Fine breeding pen white Rocks for sale. Eggs from white and buff prize winners. Mrs. Logie, Box 51, Eglinton, Ont.

Eggs at \$1.50 from my pen of barred Rocks, which is headed by cockerel that won first at Uxbridge, and six pullets, Hawkins' strain, and they are good. F. Nighswander, Markham, Ont.

Snelgrove Poultry Yard—Barred Rocks exclusively; Canada's business hen. I have never been beaten on eggs at any show, see January Review for "Eggs" at Toronto Show. Eggs \$1 per setting, 3 settings for \$2. W. J. Campbell, Snelgrove, Ont.

Eggs for Hatching, \$1 per 13, from thoroughbred barred Plymouth Rocks, black Minorcas and pure Pekin ducks, "none better," guaranteed as represented. D. R. Campbell, 279 Yonge St., Toronto, Ont. 500

Eggs for sale from fine yard of buff Plymouth Rocks. Rocks bred exclusively. Eggs \$1.50 per setting of 13. W. R. Bell Morpheth, Ont. 500

Plymouth Rocks—Barred Rock eggs from E. B. Thompson's celebrated Ringlet strain. Cockerel and pullet matings, \$2 per setting. A. F. Manchee, Ingersoll, Ont. 500

POULTRY APPLIANCES.

Shipping Labels printed on red express paper, "Eggs for Hatching," 25 for 10c. "Live Fowls," double the size of the 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.

For Sale—220-egg Willitt's incubator, new last year, for \$20; owner crowded for room. 37 Danforth Ave. Toronto, Ont.

POULTRY FARMS.

For Sale—Small poultry plant; residence and grounds together or separately. Beautifully situated on lake Ontario, convenient to radial and railway. Box 194, Burlington, Ont.

POLISH.

W.C.B. Polish—Four very fine cockerels at \$1.50 each, or the four for \$4; must be cleared out quick, address, R. J. Taylor, Brantford, Ont.

For Sale—Golden B. Polish—1 cock, won as cockerel, 1st Galt Fair, 1st Galt, 1st Hamilton, 1st Brantford; 3 hens, won as pullets, 1st and 3rd Guelph, 1st and 2nd Galt Fair, 1st and 3rd Galt, 2nd and 3rd Hamilton. A big snap, \$8. C. R. Cumming, Galt, Ont.

W.C.B. Polands for sale—All birds. My birds have won prizes at Toronto, London, Brantford and all the large shows. Robt. C. Middlemis, 120 William Street, Brantford, Ont.

RHODE ISLAND REDS.

Headquarters for Sweet Rose Comb and Single Comb Rhode Island Reds. Exhibition and breeding pairs, \$10 and \$15; trios, \$15, \$20 and \$25; also breeding pens. Mine not only win at shows, but win the favor of the people everywhere. They just suit the farmer and town and village poultry keeper. See our show room record. Eggs for hatching, Single Comb, \$2, \$3 and \$5 per sitting. Rose Comb, \$2, \$3 and \$5, according to quality, and until yards are broken up in July. Special price by the hundred or in large quantity. Illustrated descriptive circular to all who apply. Farm, West Mansfield, Mass. Samuel Cushman, Pawtucket, R.I. 500

SALE OR EXCHANGE.

Germoreide cures roup.

For Sale or Exchange—One cock, 3 hens, golden Polands; 2 Langshan hens; want light Brahma or white Rock females, must be large. Wilson & Son, East Oro, Ont.

For Sale or Exchange—Trio brown Leghorns; two Andalusian hens; pair barred Rocks, for white or buff Rocks or offers, buff Leghorns, light Brahmas, barred Rocks, \$1 per setting. Henry Brimson, Prescott, Ont.

For Sale or Exchange—Buff Rock cockerels; good buff and barred Rock, buff Leghorn and Pekin duck eggs, \$1 per 13. Bronze turkey and Toulouse geese, eggs 25c. each. Robt. Steven, Petrolia, Ont.

For Sale or Exchange—2nd prize cock and 1st hen, S.G. Dorkings, at Owen Sound, 2 other fine hens for \$7; 2 fine silver Wyandotte cockerels, \$2 each, also 4 fine white Rock pullets for \$6. Geo. Boguc, Strathroy, Ont.

Light Brahmas—One cock, seven hens, \$6, or will exchange for white Wyandotte or white Rock pullets. Eggs \$1 per setting. S. C. Carver, Cote St. Paul, Montreal, Que.

To Exchange—A pair or trio of golden Sebright Bantams for same number of high-grade light Brahmas, also a few choice Sebright cockerels for sale. Chas. LaRose, Cornwall, Ont.

SPANISH.

For Sale—Eggs from my prize-winning Black Spanish fowl, \$2 per setting; also the 1st prize cockerel at Toronto and two other grand birds for sale. H. Baskerville, Bowmanville, Ont. 400

VARIOUS.

Black Minorcas and Buff Rocks—Our stock is from Minshall's and Ferguson's and from Henderson & Billings. We can furnish eggs from prize winners at \$1.50 per setting. Harnick Bros., Stratford, Ont. 600

Canary Birds for Sale—Eggs for hatching—White Rocks, Barred Rocks and Black Minorcas of the leading strains; one setting, \$1; two settings, \$1.50; three settings, \$2. Mrs. R. A. Loucks, Dresden, Ont. 600

\$2.00 per 15 for eggs from S.C. White Leghorns (Knapp Bros.' strain). Have some of original White Leghorns that swept everything at Cleveland and other cities two years ago; also B. Minorcas (Northup, Scott and Abbott strains). Send for photographs. Geo. W. Brown, Box 22, Galt, Ont. 500

Eggs for hatching from snow white Rocks and B. Minorcas. Rocks mated to a cockerel scoring 93 1-2; Minorcas Duff hens mated to imported cockerel. Eggs, \$1.50 per 15. Order early. Wes. Boyce, Brucefield, Ont. 400

Germoreide cures roup.

White Rocks—Having secured from J. H. Minshall, Brantford, four of his best hens including 1st Ontario pullet, '99, mated to a grand pure white cockerel. Black Minorcas, large, pure white lobes, grand color; Eggs \$1.50 per 13 or 26 for \$2.50. One pen of six white Leghorns (young), one pen of nine buff Cochins Bants, very cheap. Wm. Hartry, Seaforth. 500

Eggs for Hatching from prize winning stock, Houdans and buff Leghorns, \$1.00 per 13; satisfaction guaranteed. J. Pergan, Llyn, Ont. 400

For Sale—R. C. White Leghorns. Eggs, \$3.00, also Pyle Game Eggs, \$2.50, stock for sale at all times. James Masson, 12 Chapel St., Woodstock, Ont. 600

For Sale—Eggs and stock from winners, barred and white Rocks, golden Wyandottes, leading strains. Eggs, \$1 per setting, guinea pigs. Enclose stamp. H. Rank, Plattville, Ont. 500

Eggs for Sale from choice matings of black, golden and silver Wyandottes, black Leghorns and silver spangled Hamburgs. \$1 per 13. Stamps accepted. W. A. Greenfield, Plattsville, Ont. 600

Eggs Hatching—From best Golden and white Wyandottes and S.C. white Leghorns at \$2 per 13, \$3 per 26. A. W. Graham, St. Thomas, Ont. 400

For Sale—Ten black Java cockerels six black Java pullets, six part Cochins cockerels, six white Rock cockerels and six white Rock hens, ten S.C. brown Leghorn cockerels; all our silver duckwing Leghorns and W.C. black Polish. The above stock is A. L. Saugreen Poultry Yards, Durham, 400

Eggs for Sale—Light and dark Brahmas, barred Rocks. At Guelph, Fergus, Toronto and Owen Sound on 23 entries won 10 firsts, 8 seconds, 5 thirds. At Galt won 2nd and 3rd on barred Rock cockerels, score 91-2. Eggs \$1.00 for 13. Bone cutter for sale. John Thomson, Fergus. 600

All birds 90 to 96—Winners at Owen Sound, Stratford, Seaford. White Minorcas, White, Brown Leghorns, White, Buff and Golden Wyandottes, Buff Cochins Bantams. Eggs, \$1 per 13. Stock for sale. Medd Bros., Constance, Ont. 400

Wilson's White Minorcas again lead, winning all first and specials except one at the last Montreal show, and that in competition with some of the winners at the last Toronto Industrial. Also black Minorcas and white Rocks for sale. Eggs, \$1.50 for 15; \$2.50 for 30. Agent for Lee's Liquid Lice Killer. W. J. Wilson, Amherst Park, Montreal, P.Q. 600

Black Leghorns—Eggs from prize-winning black Leghorns, Silver Spangled Hamburgs, Golden and Silver Sebrights and black African Bantams, \$2 per setting. S. Wyandottes and No. 2 yard black Leghorn, \$1 per setting. Bloss Primmer, Box 3, Petrolia, Ont.

Eggs for Sale—From prize-winning stock. Black, Golden and Silver Wyandottes, black Leghorns and Silver Spangled Hamburgs, \$1 per 13. Enclose stamp. W. A. Greenfield, Plattsville, Ont. 600

Eggs—90c, for 15, or \$5 per 100, from twenty-eight varieties of fowls. Send stamp for catalogue, and sell ten settings of eggs and get fifty free. Brookside Farm, Nelson, Pa., U.S.A. 600

For Sale—L. Brahmas, B. Minorcas, S.C.B. Leghorns, Golden Polands, Pit Games, B.P. Rocks, from best strains. Eggs from grand matings, \$1 per 15. G. W. Nahrgang, Palmerston, Ont. 400

Eggs—From S.C. white, buff and black Leghorns barred and buff Rocks, \$2 per 13; Pekin, Pyle and black African Bants, \$1 per 13. Stock from winners. Jos. Caldwell, Belleville, Ont. 600

Eggs for sale from Abbott Bros.' stock, England, \$1.50 per 13 from second prize cock, Brantford, 1900. A few fine cockerels for sale. T. Trivett, Jr., Box 388, Newmarket, Ont. 400

Eggs for Hatching.—Silver Wyandottes, cock, prize winner, New York. White Wyandottes, cockerel, first prize, Montreal. Barred Plymouth Rocks, cock and hens, "Lefel stock." Wm. H. Utley, Royal Poultry Farm, Montreal.

Vinewood Poultry Yards—Eggs from 40 leading varieties of exhibition birds. Send for circular. Eggs \$1 per setting; incubator lots, \$4 per 100. R. & A. Lawrie, Wolverton, Ont. 600

J. H. Parsons, Osaca, Ont.—Breeder of Cornish and white Indian Games, buff Rocks and buff Leghorns. Exhibition birds a specialty. Birds for sale and eggs in season, Indian Game, \$3.00, others \$1.50. 1290

Dominion Poultry Yards—Andalusians for sale cheap. Eggs from white Plymouth Rocks, scores from \$2 to \$4 (by Jarvis), at \$1.50 per setting. Pullin & Kerr, Galt, Ont.

If you want to raise some exhibition birds this season, send and get my circular of 40 varieties. Birds for sale at all times. W. W. Reid, Ayr, Ont. 101

Eggs from Prize Winners—Black Java, black Sumatra, black Minorca, B. Rocks, black Leghorn, W. Leghorn, black rose comb Bants eggs, \$1 per 13. E. Brown, Bracondale, Ont.

For Sale—Eggs from 31 varieties of standard bred fowls; have won over 400 prizes this year. Fine illustrated catalogue free. Dr. J. H. Bastien, Rigaud, P.Q.

Eggs for hatching—barred and white Rocks, Pekin and Rouen ducks, \$2 per setting, 2 settings \$3. I can spare a few settings of Indian Runner eggs at \$3 per setting. John Colson, Guelph, Ont.

Finest Strains—Barred and white Rocks, Partridge Cochins, black Minorcas, African Bants, Pekin ducks. Eggs \$1 per setting. Breeding and exhibition stock cheap. I. B. Maxwell, Stratford, Ont.

Diamond Poultry Yards—15 premiums on 17 entries at New York and Philadelphia. Eggs from as fine stock as exists, buff or barred Rocks, black, buff or white Wyandottes and rose comb Rhode Island Reds, \$2 for 15, \$3 for 30. Rose comb white Minorcas, \$3 for 15, rose comb black Minorcas, \$3 for 15. Safe arrival and satisfaction guaranteed. Illustrated catalogue free. J. Morris Maxwell, Pattenburg, N.J. 600

Two B.B. Game cockerels, will sell eggs from light Brahmas and silver Polands, Willtam's strain, eggs \$2 per 13; a light Brahma and silver Poland cock cheap, also a few fine fancy pigeons. Write for prices. Hughes & Hughes, Ingersoll, Ont.

Brookside Poultry Farm—"Sherwood's" "White Wonders," white and C.I. Games, are prize winners. Eggs \$2 for every 15. Send stamp for catalogue of 28 varieties. Box 65, Nelson, Tloga Co., Pa., U.S.A.

White Rocks—Prize winners purchased from W. H. Beasey, Coleman, Ont. American Dominiques purchased from A. Fink, Woodstock, cock never took 2nd place; 1st at Ontario, Industrial, Woodstock, Ingersoll, London, Galt and Brantford. Eggs \$2 a setting, 3 settings for \$5. S. W. D. Frith, Winchester, Ont. 600

Eggs \$1.00 a Setting, from prize winning stock. Andalusians, black Minorcas, Red Caps, buff Leghorns, Pit Games, American Dominiques, W. Rocks, buff Cochins, black Spanish, light Brahmas and white Muscovy ducks. Good hatch guaranteed. Stock for sale. E. Frith & Son, Winchester, Ont. 600

For Sale—Barred Rock cock, yearling; 1st at Hamilton, 1899, and 2nd at "Ontario" this winter, pronounced by Mr. Butterfield the best barred cockerel he ever saw in Canada, \$10; B. Rock cockerel, pullet breeder, \$1. My pullets won in New York this year. R. Mackay, Hamilton, Ont.

Eggs for Hatching—From S.C. white and brown Leghorns, black Minorcas, S.S. Hamburgs, black Sumatra Games, B. Spanish. Eggs, \$1.50 per 13; \$2.50 per 26; also white Holland turkey's eggs, \$3. J. E. McComb, Ridgeville, Ont.

Eggs from Selected Matings—S. L. Wyandottes, light Brahmas, blue Andalusians and white Plymouth Rocks. Eggs, \$1.50. J. E. McComb, Ridgeville, Ont.

A Bargain—Six Andalusian hens for \$5; choice stock. Also black Minorca eggs, \$1.50 for 13. A. A. Whitteker, Morrisburg, Ont.

For Sale—Eggs for hatching—Barred Rocks (Hawkins'), buff Leghorns (Arnold's), \$1 per setting, or exchange eggs for Wyandottes, W. Rocks or offers. E. B. Geoffery, Pembroke, Ont.

Eggs from the Best—See Review for prizes at Industrial and Ontario shows. White and buff Rocks, white and brown Leghorns and black Minorcas. Thomas Rice, Whitby, Ont.

\$1 for 13 Eggs from my string of winners. Barred Rocks (bred by Conger from his sweepstake winner), buffs (are Essex), silver, golden and white Wyandottes, Cornish Games, silver Hamburgs and Leghorns. Pekin and Rouen ducks, \$1.25 each. James Motheral, Plattsville, Ont.

H. Dymont, Barrie, has eggs for sale from the following varieties of prize winners at \$1.50 per setting; white and golden Wyandottes and Stone's Silver Red Pit Games. 600

Porter's Bar Tar Camphor is sure death to all kinds of vermin that infest poultry houses, stables, pig pens or other places where lice or other vermin gather. Also a sure preventative for hog cholera. Price, 25 cents per package, postpaid. Circular free. C. A. Porter, Box 570, Flat Rock, Ind. 700

Eggs from Prize Winners—Black Minorcas and barred Rocks, \$1 per 13. See Review for prize list of Eastern Ontario Show at Ottawa. Alex. A. Fraser, Sandringham, Ont.

White Wyandottes—Kettlewell's stock—two or three trios, cheap. White Leghorns—seven fine pullets for \$5, or \$1 each Speak quick. A. W. Graham, St. Thomas, Ont.

Eggs for Hatching from partridge Cochins, buff and black Wyandottes, black Spanish, Cornish Indian Games and buff Rocks, \$1.50 per 13. Buff and white Cochins, barred and white Rocks, golden and silver Wyandottes, white and brown Leghorns, golden and silver Sebright Bants, \$1 per 13, having won at Stratford, Brantford and the great Ontario this winter. W. Daniel & Cann, Plattsville, Ont. 600

Bantam Yards—Golden, silver Sebrights, black-breasted red Games and buff Pekin Bants; also all kinds of Wyandottes, Rocks and Leghorns and Hamburgs. Eggs, \$1 per 13. Gordon Daniel, Plattsville, Ont. 600

Eggs from Light or Dark Brahmas, buff or white Cochins, Langshans, barred, buff or white Rocks, brown, black or white Leghorns (single comb), black Spanish, Andalusians Houdans, black Minorcas, silver or white Wyandottes, Rose Comb white Leghorns, silver spangled Hamburgs, Indian Games, silver grey Dorkings, golden Sebright and black red Bants, \$1 per 13. See report of Winnipeg and Brandon exhibitions, July, 1893 and 1899, for prizes won. Satisfaction guaranteed. A. G. H. Luxton, Georgetown, Ont. 600

Eggs at \$1.50 from five varieties of poultry: S.C. white and brown Leghorns, barred Rocks, light Brahmas and S.S. Hamburgs. For prizes won, see October Review and leading local papers: F. Nighwander, Markham, Ont.

Prices Cut in Half—Pure white Wyandotte, white Rock, white Leghorn eggs for hatching, \$1 per 15. East Toronto Poultry Farm, Lee Avenue, East Toronto, Ont.

Eggs, \$1.50 per 13—From pens of golden, white and buff Wyandottes and buff Rocks. Pens contain Detroit winners. Will exchange eggs for white Rock eggs. Brown & Buchner, Kingsville, Ont. 600

We have two nice S.S. Wyandotte cockerels for sale at \$2 each, one buff Rock cockerel at \$1.50, and one nice buff Leghorn at \$1. Henderson & Billings, St. Mary's, Ont.

Eggs for Sale—From stock the very best of English Red Caps, silver laced Wyandottes, buff Leghorns. Offer three of my prize-winning Red Cap cockerels, three very nice buff Leghorn cockerels, several Cornish Indian Game cockerels (E. P. Nim's stock). No notice taken of post card enquirers. G. W. Klander, Strathroy, Ont.

For Sale—Eggs! Eggs! Eggs! From prize-winning white Rocks, black Minorcas and S.S. Hamburgs, each \$1.50 per 13. Highway Poultry Yards, Danville, Que. Harry Williamson, Proprietor.

Buff Plymouth Rock Eggs, \$1.50 per 13; white Leghorns, \$1 per 13 eggs. These eggs are from first-class stock only. A limited number of eggs for sale. John A. Noble, Norval, Ont.

For Sale—I have some fine R.C.B. Leghorns and black Wyandottes left, including 1st hen and 1st pullet, at Ingersoll. Will sell cheap, as I am going out of these breeds. Eggs, \$2 per setting. Thos. McMullen, Asylum, London, Ont.

Eggs for Hatching from S.C. Brown Leghorns, white Wyandottes and barred Rocks. First-class stock; \$1 per setting of 13. Wm. Callinger, Cornwall Poultry Yards, Cornwall, Ont.

Al B. P. Rocks, white Leghorns, S. L. Wyandottes, white and black Minorcas. All prize-winning stock. Eggs, \$1.50; two settings, \$2.50. Geo. Chilton, Charlottetown, P.E.I.

Eggs for Hatching—Pen No. 1—Headed by imported black Minorca cock and hen from Mr. Simon Hunter, Northallerton, England; other females of Minshall, Abbott, Northup, Santee, Scott and Duff strains. Pen No. 2—Headed by imported white Minorca cock (Abbott Bros.). Females are Rev. Mr. Scott, Duff and Jerome strains. Pen No. 3—Black Langshan, good pen (McCurdy strain); \$2 per setting, or \$3 for \$5. Geo. E. Barclay, Poplar Hill, Ont.

For Sale—Trios of Cornish Indian Games and black Langshans, from \$3 to \$5. Eggs of C.I. Games, B. Langshans, buff Leghorns, barred Rocks, buff Rocks, \$1.50 per 15. C. W. Peters, Dresden, Ont.

Buff Leghorn and Wyandotte eggs, \$2 per 15; black Leghorns, \$1.50, and Andalusians, \$2. A few birds yet to dispose of at \$1.50 and \$2 apiece. Satisfaction guaranteed. Robert Phipps, Grimsby, Ont.

Mr. Frank P. McDonnell, Watford, Ont., has added two grand imported buff Wyandotte pullets from a specialty breeder in Pennsylvania to his pen, and has reduced the price of eggs to \$2 per 13 for all golden, buff and black Wyandottes, also buff Leghorns.

Cornish Indian Games, cockerel and pullet, Rose Comb white Leghorn pullets. Eggs from my black Minorcas (Northup) and white Wyandottes (Duston & Masse). Prize-winners in every pen. E. C. Parker, Compton, Que.

Hello! Fanciers' Ideal Brooders, 100-chick size, \$8; 250 chick, \$12. I am offering four pens of light Brahmas, \$10 per pen; seven pullets, \$1.50; B. Pen, W.C.B. Polish, \$10; two cockerels, \$3 each; trio W. Polish, \$5; cockerel, \$2.50; S. Polish trio, \$5; won 1st wherever shown. Satisfaction or money back. See March ad. Crane & Earl, Athens, Ont.

Self-regulating second-hand incubator, 120-egg size. A bargain; \$10. G. J. Lovell & Co., Carlton West, Ont.

Eggs, \$1 per 15—From white Wyandottes, light Brahmas, single and rose comb white Leghorns, Pekin ducks, white and pearl Guinness. James Wilson, Caledon East, Ont.

Golden Wyandottes and S.C.W. Leghorns. Eggs for setting, Golden Wyandottes: No. 1 Pen, \$2 per 13; No. 2 Pen, \$1 per 13; S.C.W. Leghorns, 75c. per 13; a splendid laying strain. R. Sanders, Box 22, Ealing P.O., Ont.

Eggs from Prize Winners—Buff Cochins, barred Rocks, white Wyandottes, black Minorcas, black Spanish, S.C. brown, buff and white Leghorns. Eggs, \$1 per 15. Pekin duck eggs, \$1 per 11. Eight chicks guaranteed. Our birds score from 90 to 94-1-2 by Jarvis. Alpaugh Bros., Fergus, Ont.

Golden Wyandottes, buff Rocks—1st, 2nd and special, Stratford; Spanish, 1st and 3rd, Brantford; partridge Cochlin, 2nd, "Ontario." Prize eggs, \$1.50. See Review February and March for prizes won. Also white, barred and buff Rocks, golden, silver, black, white and buff Wyandottes, S.S. Hamburgs, \$1 per setting. Wm. Cann, Box 20, Plattsville, Ont. 600

Eggs, \$2.00 Setting—Black Langshans, score 92 to 95; W. Leghorns, 91-1-2 to 94. Scored by Bicknell. Buff Orpingtons, imported direct from England, \$3. W. Taylor, Wingham, Ont.

WANTED.

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

Wanted—A Toulouse gander. Send particulars to H. E. Gedley, Penetang P.O., Ont.

Germodoricide cures roup.

WYANDOTTES.

Eggs from Pure Late Wyandottes—Pen I. Headed by cock heading first pen at Toronto, '99. Pen II. Headed by cockerel, pure white. \$1.50 per 13; \$2.50 per 25. Cockerels for sale. J. W. D. Cooper, Pickering, Ont. 101

Arthur's S. L. Wyandottes are winners. See record for past year, "Ontario," '99—2 firsts, 2 seconds, 2 thirds, silver cup for best collection. Industrial—4 firsts, 3 seconds, bronze medal, first breeding pen. London—4 firsts, 4 seconds. Ottawa—3 firsts, 2 seconds. Ontario, 1900—five entries, 2 firsts, 2 seconds, 1 third special best pullet. Eggs from prize winning stock \$3.00 per 13. Have several choice cockerels and pullets at reasonable prices. Your money back if not satisfactory. James Arthur, 731 Lorne Ave., London, Ont. 300

For Sale—White Wyandotte eggs; pen headed with cock scored 92-1-2; hen \$3 1-2; pullet \$5 1-2; (by Jarvis) and others equally as good. \$2.00 per thirteen. A. E. Doan, Watford, Ont. 490

Wyandottes, Golden, Buff and Black—Goldens. Cock imported, Borman's beauty strain, 1st as cockerel at Woodstock. Hens (3) Graham, Murray strain including "Ontario winner" 1899. Buffs. Imported stock, B. H. and M. H. Smith bred from Chicago and Detroit winners. Blacks. Cock, first, best male and special, Toronto; first Woodstock. Hens (4) everyone a winner, Ontario winner 1899 and first pullet, Toronto (purchased from C. Grimalley) second pullet, Toronto, first and special, Petrola, score \$4 1-2 and first pullet, Woodstock, score \$5. Eggs, \$2 per setting of 13. Only a limited number of Golden and Buff settings will be sold. Frank P. McDonnell, Watford, Ont. 600

White Wyandottes—I have one breeding pen with "Duston" male, one with "Hawkins" male; "Stay-white" birds; good, blocky females; vigorous stock. Eggs and chicks for sale. See ad. inside cover. Mash-quotch Poultry Yards, Deer Park, 400

Buff Wyandottes—Choice pen for sale—cockerel and three pullets, \$10; fine, large birds, beautiful buff plumage. Eggs, \$1 and \$2 per 13. W. Grant, 27 Callender Street, Toronto, Ont. 400

White Wyandottes Exclusively—Leading strains. Eggs for hatching, \$1 per 13; \$4 per 100. P. Wellington, Blackwell Station, Ont. 400

Golden Wyandottes—Prize-winners—large, well-laced birds. Eggs for hatching, \$1 per 13, \$2 for 30. Wilber Lemon, Lynden, Ont. 500

White Wyandottes—Won first and special on cockerel; scored 95 1-2; pullets scored 94. Stock for sale. Eggs in season, \$2 for 13. Address: Daniel Richardson, 77 Richardson Street, Brantford, Ont. 400

Golden Wyandottes—Eggs from two pens of large, mature birds, having a deep, rich color, nicely laced, and good, yellow legs, \$1.50 for 13, \$2.50 for 25. A few nice cockerels for sale at \$2 each. C. M. Taylor, Lyn, Ont. 500

For Sale—Twelve W. Wyandottes, eight hens, one cock, three cockerels. Eggs, \$1 per 13. Satisfaction guaranteed. Enclose stamp for reply George C. Howison, Brockville, Ont. 600

White Wyandottes—My entire stock for sale at once. My birds have been carefully mated for years. Some Industrial and Toronto show winners of 1899. William Blain, 92 Emerson Ave., Toronto, Ont.

White Wyandottes—Several grand cockerels, bred from our winning pen; handsome shape and plumage, perfect ideals, and from unexcelled laying strain. Eggs, \$2 per setting. McGlachy Bros., Chatham, Ont. 700

White Wyandottes—Winners of \$50 silver cup at Toronto for best cock, hen, cockerel and pullet and 1st pen. Also 1st cock and hen, 3rd pullet. Special best pair at last "Ontario." One grand yearling cock for sale; 2nd as cockerel at "Ontario," 1899; also three cockerels, bred from 1st "Ontario" cock. Eggs from two magnificent pens, \$3 per 15, \$5 per 30. Chas. Masle Fort Hope, Ont.

For Sale—Eggs from prize-winning stock. Cockerel 2nd at London and Stratford, mated with 1st hen at Ottawa, Toronto and London, 1899 (shown by Arthur); also pullet, 1st at Stratford. Eggs, \$2 per 15. Perth Poultry Yards, S. Dippel, Proprietor, Listowel, Ont.

We have two pens, not related, made up of very fine birds from Duston, Pelt, Knapp, Hawkins, Kettlewell and Hunter stock. They are large and white, vigorous, country-raised birds, and none inbred. Can book a few more settings for April at \$1.50 per 14. Two very fine cocks and two large cockerels to spare. J. E. Ruddick, Brockville, Ont.

White Wyandotte Eggs—From prize-winners, \$1.50 per 15. W. Deamude, Box 221, Ingersoll, Ont.

Eggs for Sale at \$1 per setting, from good stock of silver Wyandottes; also a few hens for sale cheap. Write for particulars. M. B. Hague, Inglewood, Ont. 500

Too Late for Classification.

The following advertisements were received too late to place under their proper headings:

Barred Rocks (Thompson and Bradler strains), white Wyandottes (Duston), white Leghorns (Knapp and Wyckoff). Eggs, 13 for \$1. Will exchange for white Rock eggs. W. T. Junkin, Fenelon Falls, Ont.

For Sale—Mocking birds, \$1 each; Red birds, \$1 each; Louisiana blue Jay, \$1 each; prairie dogs, \$2 each; live alligators, twelve inches long, \$2 each; live quail, per pair, 50c.; live squirrels, \$1.75 per pair; common rabbits, \$1.50 per pair; ring doves, \$2 per pair. Order from this ad. We will do our part promptly. Address W. B. Caraway, Alma, Arkansas.

Andalusians—Fine pen, headed by 1st cock at "Ontario," Peterboro'. Eggs, \$2 for 15, \$3.50 for 30. W. T. Junkin, Box 108, Fenelon Falls, Ont.

Buff Cochins and W. Rocks—Standard birds for sale. Eggs, \$2 per setting. C. J. Eisele, Guelph, Ont.

Light Brahma Bantams—Very small, fine points. A few settings of eggs booked at \$3 per setting. C. J. Eisele, Guelph, Ont.

Hatch Chickens from Winners—W. G. Murray, Strathroy, will sell you eggs from prize-winning buff, black, rose and single comb white Leghorns, black and white Minorcas and golden Wyandottes for \$2 per setting, or three settings for \$5. Stock in all varieties for sale. Hundreds of prizes won the past season at the leading shows. Look up Record in Review.

Some New York Winners for sale in Game Ducking cockerels, Pylo cockerels and black red cockerels and pullets. All varieties. Game eggs for sale at from \$3 per setting up; also Game Bantams, all colors, for sale, some New York winners among them; also eggs, all colors, at from \$3 per setting up. See large ad. for winnings. W. Barber & Co., 212 Queen Street West, Toronto, Ont.

For Sale—Eggs for hatching from barred P. Rocks and white Leghorns. Prize stock, \$1.50 per 13 fertile eggs. E. J. C. Boake, Downsview, Ont. 500

For Sale—From winners at Montreal Poultry Show, February, 1900, buff Wyandottes, three first, two thirds, one fourth and special; buff Rocks, first, two thirds and special; buff Leghorns, two seconds and third, and buff Cochins Bantams, eggs, \$2 per 13; Pekin duck eggs, \$1 per 11. Would exchange a few settings for same varieties. H. Cross, Poultry Yards, Longueuil, Que.

J. Dorst's Buff Wyandottes are the best you can find. Won as many first prizes as all others combined at Toronto Exhibition. At Toronto Show, 1899, on three entries one 1st and one 2nd. Eggs, \$2 per 13, or \$5 per 39. 565 Logan Ave., Toronto, Ont. 500

White Wyandottes and white Leghorns, best strains. Eggs for setting, \$1 per 13. J. H. Bronsden, 34 Lappin Ave., Toronto, Ont.

For Sale or Exchange—One light Brahma cockerel, won 1st at Barrie, \$1.50; one W. Cochins Bant cock, \$1.50, one pair black Carriers, \$3; W. Fantails, \$1.50 pair; blue owls, \$2 pair. Eggs from W. Wyandottes, \$1.50 per 13; eggs from buff Cochins Bants, \$1 per 13. Want B. African and Game Bants. MacNab & Crossland, Box 73, Barrie, Ont.

Eggs for Hatching from brown, black and buff Leghorns, \$1 per setting, also stock of above varieties for sale. Also bronze turkey Tom for \$3. Wm. Wallace, Londonboro', Ont.

Duck Eggs for sale—Rouen, Pekin and Aylesbury, \$2 per setting, or three for \$5. See Review for prizes won at Guelph, Hamilton and Owen Sound. Thos. McDonald, Guelph, Ont.

Dominion Poultry Yards—Andalusians for sale cheap. Eggs from white Plymouth Rocks, scores from \$2 to \$4 (by Jarvis), at \$1.50 per setting. Pullin & Kerr, Galt, Ont.

Maggies, 100 Birds—Many prize-winners, cheap to clear, obliged to sell. Five-pair lots at \$2 per pair. All colors except blue. P. G. Keyes, Ottawa, Ont. 700

White Rock Eggs for sale, \$2.00 per 13; pen headed by that grand white cockerel last Toronto Show. Barred Rocks, some grand birds; will sell outright. Address Ahrens, Lambton Mills, Ont.

For Sale—Thirty barred Rock pullets, laying strain, \$1.50 each, one B.R. cock, yearling, grand breeder, \$2.50; W.R. cockerel, \$2.50; eggs from B.R. exhibition birds, \$2.00 per 13. Ahrens, Lambton Mills, Ont.

Belleville Poultry Yards—Eggs from barred and white Rocks, single comb white and brown Leghorns, rose comb white and brown Leghorns, black Minorcas, \$1 per 13. Malcolm DuMurge, Belleville, Ont.

Plymouth Rocks—I have my pen of buff Rocks, headed by 1st cockerel at Guelph in large class. He is a fine, large, even-colored bird, good shape and head, and buff to the skin. Mated to females from Forsyth and Wilson strain. They have a large run, and are in good condition. I can spare a few settings at \$2. I have two good cockerels for sale at \$2 each. James E. Norris, Box 416, Guelph, Ont.

For Sale—Three buff Wyandotte pullets, from imported stock, to make room, also eggs for hatching from my pen, headed by first prize cock and hen Toronto Industrial Exhibition and other places. C. Coulter, 309 Queen Street East, Toronto, Ont.

Spanish—E. R. Gregory's prize-winning black Spanish at New York, Hagerstown and Mt. Gretna are in my yards. Large size, fine combs and plumage, long, smooth, white faces, also La Fleche and white Dorkings. Eggs, \$2 per 13. J. H. Warrington, Cornwall, Ont.

Pouters Only—Almost a clean sweep at the last six "Ontarios." Pairs in blacks, reds, blues, odd black hens and blue cocks; bred from winners, from \$1 up. Magill & Glidden, Por. Hope, Ont.

Dominion Poultry Yards is what we are looking for at Woodstock, 1899. They won 1st cock, 1st hen, 1st cockerel and 1st pullet in a class of 32 white Cochins Bants (Bicknell, Judge). Also Galt, 1900 (no cock shown), 2nd hen, 1st cockerel, 2nd cock, 1st pullet and special for best Bantam pullet in show (Jarvis, Judge). Eggs, \$3 per 13. Pullin & Kerr, Galt, Ont.

Buff Wyandottes—With four entries at great Guelph Show I won 1st hen, 1st and 2nd cockerels, 1st pullet, special for best male, special best female, only one breeding pen, headed by grand, large imported cock. Eggs, \$2 per 13. W. H. Readwin, Guelph, Ont.

Frederick Field, importer and breeder of B.B. Games and buff Wyandottes. Have taken prizes at all the leading shows in Canada. Eggs for sale. Satisfaction guaranteed. Cobourg, Ont. 600

Golden and Silver Sebrights—We have only one pen of each, and they are the very best. Eggs, \$2 per 15, \$3 per 30. A. & T. Readwin, Guelph, Ont.

Eggs from prize-winning golden and silver Sebrights. Eggs, \$2 per 15, \$3 per 30. Satisfaction our motto. A. & T. Readwin, Guelph, Ont.

Cochin Bantams—Buff, black and white. A few fine buff cockerels for sale cheap. Eggs in season from choice breeding pens. S. M. Gowdy, Box 411, Guelph, Ont. 600

Odd Birds and Pairs in almost every variety of pigeons—Runts, Humers, etc., all colors. Aluminum seamless rings, 25c. per doz., initials, 1900, and from 1 to 100. W. J. McBride, Victoria Lofts, Box 34, Cote St. Paul, Que.

For Sale—S.L. Wyandottes, W.F. black Spanish and S.C. white Leghorns that won 22 firsts, 12 seconds and 6 thirds at Montreal, St. Jerome and St. Johns, breeders scoring from 90 to 94.3-4 points. Eggs, \$2 per 13. T. C. McGinnis, Richelieu Poultry Yards, Iberville, Que.

For Sale—The stud of imported Magpies, blacks and reds, ten birds; imported by Norman S. Jones from G. W. Spohn, of Philadelphia. The winnings of these birds are well known. Here is a grand chance for same one to start in at the first of the breeding season and be "in it" in the show pen. Write at once for particulars and send in your offer. G. J. White, 232 King Street East, Hamilton, Ont.

Buff and Partridge Cochins and light Brahmas. A few good cockerels and pullets still left at reasonable prices. Eggs, \$3 per 13. Stamp for reply. Hugh Wyatt, London, Ont.

Dominion Poultry Yards have Houdans and S.S. Hamburgs; all 1st and 2nd prize winners at Woodstock and Galt. Eggs from the same, \$1.50 per 13. Pullin & Kerr, Galt, Ont.

Buy your Bantam Eggs from Murray. He won the prizes at the leading winter shows. African, buff and white Cochins, white and black-tail Japs, golden and silver Sebrights, white Polish. Eggs, \$3 per setting, or two for \$5. Stock in each variety for sale. W. G. Murray, Strathroy, Ont.

White Wyandottes—Hunter strain—Proved winter layers, 15 eggs for \$1.50. C. W. Young, Cornwall, Ont. Barred Rocks, extra choice birds; eggs same price. W. C. Young, Brampton, Ont. 600

Eggs for Hatching, from standard bred fowls. Light and dark Brahmas, Plymouth Rocks, Leghorns, Polish, Pekin ducks, exhibition stock. Grit machines, improved fountain, roost brackets cheap. William Bond, Ross Bay, Victoria, B.C. 700

J. Dorst, 565 Logan Ave., Toronto, Ont., breeder of silver and buff Wyandottes. A few choice silver Wyandotte cockerels at reasonable prices. Eggs, \$2 per 13, or \$5 per 39.

Eggs for Sale—Cockerel 1st at Eastern Ontario, and 3rd at the great "Ontario," 1900; heads S.G. Dorking pen, prize-winning S.C. brown Leghorn hens and pullets headed by Forsyth cock, Black Minorcas (Clemo-Ml-shall strain); also incubator. C. W. Palliser, Campbellford, Ont.

Abbott Bros.

EAST OF ENGLAND LIVE STOCK AND POULTRY FARMS,

Thuxton, Hingham, Norfolk, England.

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 common English Pheasants. Messrs. Abbott Bros. being frequently called on to judge at the largest 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 Horses

Stallions 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 De-

scriptive Catalogue, containing list of prizes and testimonials from customers in all parts of the world free on application.