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FISHER'S ISLAND FARM'S
Famous White Plymouth Rock
" WHITE CLOUD "

for which \$250.00 has been refused. A winner of many first prizes.

THE CANADIAN POULTRY REVIEW

DEVOTED TO
POULTRY, IN ALL ITS BRANCHES

FOR THE FANCIER, THE FARMER AND THE SMALL BREEDER.

Vol. XXII.

124 VICTORIA STREET, TORONTO, DECEMBER, 1899.

No. 12

NOTES AND COMMENTS

THIS is the time when the editor is supposed to "rise and make a few remarks."

Our talk shall be short; our work during the past year will speak for itself: During 1899 the business done by the Review has just about doubled, and our pages this month will show what the prospects are for 1900. Our whole aim has been to issue a journal good enough to compete with the best, and thus gain readers. Our idea is that circulation brings business, and this has been amply proven in the past. What the Review wants is subscribers, and it expects the help of its readers to further this end. Help it: it helps you the better. Beginning with January one inch will be added to the depth of the type matter on each page, and the number of pages will be, if anything, increased. Apart from the breeders' cards our advertisers will gain the benefit of this increase, as rates, for the present at any rate, remain the same. The old and popular features of the Review will be enhanced, and new ones added as occasion arises. We are always open for suggestions of a practical

nature, and wish every reader to feel assured that this paper is his. We are thankful for the support accorded us in the past, and look forward with the confidence inspired by success to a prosperous future.

Mr. Chas. Hurst, of Hartland, N.B., has bought the first cockerel and second pullet in white Langshaus from Mr. Webber.

Mr. Walter H. Butler, London, has bought the best of Mr. James Main's black-red Games, some ported birds.

Winnipeg summer show will be held next year on July 23rd to 27th or a week earlier than the show of 1899.

Mr. H. W. Partlo, Ingersoll, has disposed of all his old light Brahmans. Mr. Geo. Galloway of the same town being the purchaser.

Owen Sound dates are January 16th to 19th, so we will have more to say of this popular show next month. Mr. Jarvis is to score. Mr. John Ramsay is the secretary.

Montreal's dates are also in January, 17th to 22nd. Here Mr. Butterfield is to officiate, and Mr. J. P. Cullen is secretary. In next

issue fuller particulars will be given.

Don't forget that the entries for Galt show close December 30th. The dates are January 2nd, 3rd and 4th, and Mr. Jarvis is to score all birds. The hustling secretary has something to say elsewhere.

Mr. R. C. Ferguson reports a big demand for Minorca cockerels, which cleaned him out. He sold (and bred) the second cockerel at London.

Mr. Thos. A. Brown's labor and brain saving entry blank is a notification that once again the "Ontario" is not far off, and is a reminder that entries close positively on January 2nd. Fall in line; be in time.

As Petrolea is situated in the centre of the petroleum district, every breeder should visit the show, December 26th to 29th, and see the workings of the great industry.

The Incubator business of Mr. C. J. Daniels must be rapidly increasing if quantities are any indication of the fact. He has just returned from Wayland, N.Y., with a full car load of Cyphers ma-

chines, which he expects to place during the next few months.

Petrolea has a large town hall and the very best of hotel accommodation. The hall, hotels, G.T.R. station and M.C.R. station are all within a few steps of each other.

Mr. H. J. Wood is experimenting with a new and original lice killer and roup cure and a new device for breaking up broody hens. If successful he promises our readers the benefits of his research.

Mr. Allan Bogue, of London, President of the American Poultry Association, has decided to show his string of winners at Cedar Rapids, Iowa, where the American Association will meet next month.

As this is Mr. Browne's "time for disappearing" as Secretary of the Ontario Association, the least exhibitors can do is to give him a record entry, and make his retirement happy with a number of bright, snappy essays.

Mr. W. J. Gordon, Pickering, has pullets hatched on the 16th April that layed their first eggs on August 24th. Not bad for white Wyandottes, which they are. Others, hatched on May 6th, laid on September 10th.

The Eastern Magpie Club of America have agreed to give their Canadian specials to the Eastern Ontario, and it is likely that there will be some other special prizes for the pigeon fraternity.

Ingersoll (December 13th, 14th and 15th) has issued about the most sensible list and entry form combined that we have seen. It is a single large sheet, and everything is so plain that an error is hard to make. Our readers may see it by writing Secretary Gibson for a copy.

Additional specials to be offered at Toronto are a cup by Sir Oliver Mowat for best collection of white Rocks, valued at \$20; cup by the city of Toronto for best collection black Minorcas, and one for best collection game Bantams of one color. The two latter have to be won three times.

Mr. Sharpe Butterfield began his winter judging tour Nov. 28th, and will judge two shows a week until February, with one or two exceptions. He has had to refuse to judge over forty shows this season, which proves that this popular Canadian continues to grow in favor with the fanciers across the line.

The London Poultry and Pet Stock Association, have donated \$100 towards the specials at the "Ontario" next month, which has been divided to cover nearly all the varieties. The list was arranged by a committee composed of Messrs. Wm. McNeil, R. Oke, John H. Saunders, Geo. W. Miller and Frank Turville.

We do not remember that Mr. Geo. H. Northup, the well-known Minorca breeder, of Raceville, N.Y., and who is to officiate as judge at Brantford in January, has ever judged in Canada before,

though his list in the United States is large. Those who wish a trial of "new blood" will be enabled to do so under this gentleman.

Mr. Daniels is introducing a novelty in "dusting sand," a dry-as-dust article for dust baths, and said to be a sure lice preventative. It is a product of mica crystal, so well known, and is so cheap that its use should become general.

Mr. Browne would be pleased to hear at once from those who are able and willing to send him short, snappy, useful essays for use at the "Ontario" meeting. He expects every one who can to respond to this request.

We learn from Mr. Collins, the secretary of the Peterboro' local association, that big efforts are being made by the local breeders to put up a list of specials that will do honor to the town. The "Ontario" is, of course, always sure of a big entry, and Secretary Browne is endeavoring to make this year a record one.

The officers of the Lambton Poultry and Pet Stock Association are untiring in their efforts to make their third annual show a record breaker. The merchants of Petrolea have been very liberal in donating specials. A number of new classes have been added this year to the prize list. Every breeder should have a list. Write for one to the Secretary, J. W. Kedwell, Petrolea.

The meeting of the American White Rock Club at Toronto should be the Mecca of every

breeder of these fowls, for with the handsome prizes offered and the winning of the premiums which will be heralded by all the poultry press makes this an advertisement that no breeders of white Plymouth Rocks should miss.



Amongst recent purchases of Mr. G. R. Webber, of Dentonia Park Farm, are ten pullets, five hens and a cock in Andalusians from Mr. Newton Cosh. These include some of his New York winners. From Mr. Taylor a fine pen of W. C. B. Polands; from Mr. Hewer, Guelph, a nice pen of brown Leghorns.



The press of Toronto have promised their assistance to the show, which undoubtedly gives assurance of its success.



A promise we hope may be soon fulfilled is made in the following:

I take the Review and like it very much. I will write you some future time how we are getting along out here, near the North pole, raising poultry and the advances that are being made toward more and better bred birds.

Strathcona, Alta. E. A. KNAPP.



From "near the North Pole" to Three Rivers, Que., is quite a jump. Mr. Louis Morrisette, of the latter place, writes us that their exhibition was spoiled by rain, but that the fowls were the best part of the show. He was a winner in the Game class.



Mr. Browne longs for a "machine," as the following excerpt

from a letter of his denotes. Too bad his longing has to remain so long unsatisfied. He says: The "Ontario" is all right again. Peterboro' people are alive and at work, and, judging from the applications that are made to me already for lists, we will be fully "up to date." The promises received from the members for essays are few, but of course its early. Oh! for a "machine" that would grind out information on this very important subject. The more I read and the longer I live the more I am sure the poultry industry surpasses my most sanguine hopes and still agrowing."



The Hamilton poultry fanciers seem determined to uphold the name of the Ambitious City. The poultrymen from under the mountain form a very active flock, and the pigeon specialists are no less energetic, as will be seen by the excellent pigeon list they are putting up. As intimated in last month's Review, one hundred dollars' worth of special trophy cups has been put up, principally on Langshans, brown Leghorns, barred Rocks, Brahmas, brown and black red Bantams. Over one hundred dollars has been put on dressed poultry. An excellent hall has been secured on West King Street, well lighted and free from draughts. Those who have not already received a prize list should write Secretary J. Peart for one without delay, as entries are supposed to close on Saturday, December 9th, 1899.



Stratford has issued quite a nice prize list, all classes being well looked after, with prizes of \$1 for

first and 50 cents for second. There is in addition a list of over thirty specials distributed through the different breeds. Coops must be provided by exhibitors, and the regulation sizes are given. Breeding pens of \$1 and 50 cents are also given in most breeds. We hear, unofficially, that Mr. Barber will judge at Stratford.



The "English Stock-Keeper," commenting on the Crystal Palace Show, utters a warning note about the length of leg predominating in Indian Games, which it describes as a "short-legged" breed. We fear we are all liable to err on this side. Of what use are long shanks (offal) on a table fowl? The paragraph referred to reads: "We fear that the critics at the Crystal Palace Show who offered the opinion that some judges of Indian Game are inclined to lose sight of the fact that this is a short-legged variety of fowl, were correct in their views. No doubt length of limb in an Indian Game is more sought for in America than it is here, but that is no reason at all why a fine variety should be altered in this country; and we greatly regret the tendency towards reachiness in some recent winners. If the Malay standard is to be approached it will have the effect of driving good men out of the Indian Game fancy, and we, therefore, trust for the sake of a breed which is invaluable as a table fowl, and which is becoming more popular every year, that judges and breeders will put their feet down and squash the leggy birds before the latter are in a position to seriously assert their pre-eminence in the show pen."

"REMEMBER PETERBOROUGH"

JANUARY 9th to 12th, 1900

THE Twenty-Sixth Annual Exhibition of the POULTRY ASSOCIATION OF ONTARIO

Will be held in Peterborough, Ont.

Open to the World Expert Judges Single Birds
\$1,500 in Prizes

Excellent Accommodation,

Coops, Care and Feed Furnished Free.

Entries Positively Close January 2nd, 1900.

Exhibitors must be Members. Member's Fee, \$1.00. Cheap Fares on R.R.

AMERICAN FANCIERS SPECIALLY INVITED.

Prize Lists and Entry Papers will be ready by December 4th.

J. R. STRATTON, M.P.P.,
President.

THOS. A. BROWNE, London,
Secretary

The enquiries received about the novice classes at Toronto indicate that the Association have struck a popular chord, and these should prove the best drawing card the committee has advanced; and giving a "winners" prize to each class, it allows the exhibitor to advertise his bird as being the best barred Rock in the show, or the best light Brahma, etc. Open only to the first prize cock, hen, cockerel and pullet.

We are very much pleased with the ribbons the Association are offering instead of the old-time cards.

With the reduced rates the Association has obtained on the railroads, this should prove a cheap way for the fanciers or their friends to visit Toronto at the time of the

show and see the display made by the business men of this city in their stores.

We must congratulate the Toronto Poultry Association on the very tasty and "natty" premium list, which, no doubt, every fancier in Ontario has received ere this. The inside portion of it also rounds to their credit as far as the special prizes are concerned. The Governor-General's prize (cup, value \$50) for best display of light Brahmas should certainly draw out a record entry in this increasingly popular breed.

Then the Hon. Geo. A. Cox trophy (value \$40) for best display of single comb white Leghorns is another very handsome piece of plate. There are other cups and "plates," which should prove an

incentive to breeders to compete for these valuable prizes.



The Eastern Ontario expects with the increase all round in the prize money that was made by the directors at their last meeting to get a very large exhibit. An effort is now being made to secure accommodation for the show in some central locality. The new wire coops will, it is hoped, be ready in time, and with the wire coops for turkeys and geese, bought last year, the show ought to be very attractive in appearance. New classes have been added both in the goose and duck lists to try and induce as many owners of these birds as possible to make entries.

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.

IS IT CHOLERA OR NO?

INVESTIGATION is required to be made, and that soon, into a disease which is rarrying off a large number of turkeys in different parts of the country. The losers of the birds state the disease to be cholera, and the symptoms described are almost alike, in the cases so far reported. The birds mope about, wings droop, they seem stupid and sleepy, their droppings are watery and tinged yellow and green. Finally the bird refuses to eat and dies, sometimes in a few days after sickness is noticed. In other cases death does not follow for a longer period. But in all cases death follows. The disease is evidently wide-spread. We hardly think it is cholera, for that dread disease in poultry, has so far been considered foreign to Canada.

A CONCLUSION

as to the disease being cholera or no, may be arrived at by the party, who loses a bird with the cholera symptoms, sending it immediately after death to Prof. Ross, Bacteriologist, Agricultural College, Guelph, Ont., and have him determine as to whether the cholera germ exists or no. This is really the first practical step to take. If the disease proves to be cholera

then the best remedies therefor must be sought for. Perhaps, in the Eastern part of the Province, or in the neighboring Province of Quebec, it would be more convenient to send birds for post mortem examination to Prof. Wesley Mills of the Physiological Laboratory, McGill University, Montreal. Prof. Mills is one of the best authorities on poultry diseases on the Continent and he has always been willing to have investigation made, or, to prescribe for poultry ailments, whenever requested to do so. It is only by referring the subject to such expert authority that the exact nature of the fatal disease can be determined. And action cannot be taken too soon by the parties who have the ailing birds.



NEW LAID EGGS WANTED.

AT present, beginning of November, there is a good demand for strictly new laid eggs and much hustling is done in order to get them. As a result twenty-five and even thirty cents, per dozen, can be obtained for the genuine article. Yesterday afternoon an expert poultry keeper paid me a visit and after preliminary conversation he said, "I came to see if I could get a dozen new laid eggs from your

establishment." "We have just sold out or you would have them with pleasure," I replied. "But what about your own hens?" "Oh," he said, "the old story, pullets late and the hens not yet beginning to lay after their moult." And then we discussed the situation. To obtain pullets early enough so that they will begin to lay when the hens are in moult necessitates in this part of the country, the use of incubators.

AND THAT AGAIN

necessitates the proper housing and feeding of hens, of the right age, during the winter season, so as to have early fertile eggs. An easy matter apparently, but not so much so, as is generally imagined. It is not so difficult to get early fertile eggs from hens which are not stimulated to lay in the early part of the season, but it is a matter of skill to have your hens lay well in the latter part of November, December and a part of January and then get a satisfactory per centage of fertile eggs from them. Again, chickens cannot be raised in winter in any number without a properly constructed brooder house, or a portion of the poultry house arranged for the purpose. So that it is more than likely we shall see, in this part of the country at any rate, for some time to come new laid eggs in the latter part of October and November, at comparatively high figures. When the hens are closed in and begin to give their regular winter output of eggs, prices are exceptionally high, and unavoidably so. And this in the face of the great number carried over in cold storage.

THE FARMERS TAKING TO THOROUGHBREDS.

SOME time ago the statement was made in this section of your paper that the farmers were rapidly taking to thoroughbred poultry in lieu of the nondescript. Here are two proofs. A farmer in the neighborhood of Guelph writes to say, "that he has sold all the barred and buff Rock and S. L. Wyandotte cockerels, that he has to spare, to a party who is sending them out west, (B. C. doubtless). The purchaser takes them in ten days at a much better price than is paid by the local market, and without the trouble of dressing them. The cockerels sold were hatched about end of May and their average weight for the Wyandottes was five and a quarter pounds; for the barred Rocks, five and a half pounds. Had they been shut up and specially fed they would have been heavier." Another farmer in the neighborhood of Dominionville, not very far from this city sent to me, at my request, four barred P. Rock cockerels. They were his first attempt at breeding and fattening thoroughbreds. The result was very satisfactory, the weight of the birds being respectively, 6.13; 6.12½; 6.11¼; 6.9. It will be noticed that, with one exception, they all weigh within a few ounces of seven pounds each. No wonder the farmer writes, "I am not going to be bothered breeding culls any longer." And so experience goes to show the superiority, every time, of the thoroughbred over the nondescript. I mention these two cases because they are new. There are many other farmers in our locality and

elsewhere who are breeders of thoroughbreds and their number is largely added to every year.

There are numerous poultry plants, in the course of establishment, in the neighborhood of this city, Ottawa. Let us hope that all the progenitors have that stock of experience, patience, perseverance, energy and money so essential to success.

The resignation of Mr. F. H. Gisborne as Secretary to the Eastern Ontario Poultry Association is a loss to that Association. His place will not be easy to fill. Mr. Gisborne and myself did not always see through the same spectacles, but I have always thought and I have been more convinced than ever, during the past year, of the fact, that he was the right man in the right place. I sincerely trust that he will sacrifice his feelings (and it takes a lot of sacrifice at times) for the good of the whole and consent to remain.

This is our growing time.
Grow with us.

\$1 will buy
The Review
for three years.

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. 18 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 33 firsts, 7 seconds, and 3 thirds. 1893—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. 1893—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-

AN INVITATION TO COME TO GALT, JAN. 2ND TO 4TH.

WE wish to address a few words to the exhibitors of Ontario. This will be our fourth annual show, and from the way the boys are working it is going to eclipse anything we have ever had in Galt. Every mail we are getting inquiries for prize lists and entry forms, which, I think, tends to show that we are going to have "a bumper." The testimonials we have from exhibitors who have favored us with their birds the past three years all speak in glowing words of the good building we have; also the manner in which birds have been attended to while there, promptness and carefulness in reshipping, and, best of all, that we pay all exhibitors who have won prizes their money on last day of show. This year we are giving a special with nearly every class. Now, all come to the "Manchester of Canada," and bring your birds. If you can't come, send your birds; we will look after their wants. Remember the date, January 2nd, 3rd and 4th.

J. W. PORTEOUS, Sec.

plon Game Bantam Cup, and a waggon load of other specials, too numerous to mention. 1893—September—The Toronto Industrial, 16 firsts, 14 seconds, 12 thirds and two medals. 1893—September—The Western Fair, London, 11 firsts, 12 seconds and 10 thirds. 1893—September—Ottawa Central Fair, 16 firsts, 14 seconds and 15 thirds. "Ontario," Toronto, 1893, 9 firsts, 13 seconds, 14 thirds, and 6 specials. At the great New York Show, 1893, 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.

Another good man going from the poultry fraternity is the genial, capable, honest, level headed, big hearted Thomas A. Browne who ceases to be Secretary of the Ontario Poultry Association after the next show. The only consolation we have, is in the realization, that what is our loss in his resignation of his secretarial post, is his gain in status and emolument in his new position as postmaster of London, Ont. Every poultryman in Canada knows that the prestige enjoyed by the Ontario show, as being one of the best on the Continent, is in great part due to the energy, efficiency and tact of Thomas A. Browne, as Secretary. Without his burly frame, kindly manner, and Tam O' Shanter, the Ontario won't be like itself for years to come. But in his new position it is quite possible for him to become an exhibitor and he can manage to have his annual holidays during show time. And then instead of being criticised he will be able to lo the criticising.

You will kick Yourself!

when you visit some of the winter shows and see Minorcas with red tickets on, for they will be the birds we are offering for sale. It's true we have sold part of our stock and are anxious to sell every bird, but we cannot give them away, as we eat chickens at our house. We have still 25 Minorca Cockerels, 30 Pullets, 3 Hens, all in finest condition. Cockerels from \$2.00 up; Pullets, \$1.50 up. Some of the lot are from Eggs we imported from England Satisfaction or your money back.

S. M. CLEMO & CO., Welland, Ont. 1299

WONDERFUL - DOGS.

It is simply marvellous how the Scotch Collie dog will learn to do your work for you, as well as protect your children and your home. Everybody pleased with ours and the prices. They are secured as fast as we can produce them. Write at once for particulars to

POTTS BROS.,

Box 34 Parkesburg, Pa.

100



S. C. BROWN LEGHORN COCKEREL.—First at Madison Square Garden, New York, 1899. Exhibited by Geo. H. Burgott, Lawton's Station, N. Y.

WINNERS

I have won 4500 prizes with my birds at the following shows-- Guelph, Galt, Brantford, Woodstock, Stratford and other shows. My yards contain some grand English and American blood. Eggs are only \$1.00 per setting, six settings for \$5.00, from the following varieties: P. Cochins, black Langshans, barred and white Rocks, S.L. and white Wyandottes, S.G. Dorkings, black Minorcas, black Spanish, B.B.R. and Pyle Game, single comb white and brown Leghorns, black, S. Spangled and golden penciled Hamburgs, Red Caps, W. crested black and golden bearded Poland, buff Cochin Banta, brown red Game and silver Cuckering Game Banta. Pekin, Rouen and Aylesbury Ducks. No Geese or Turkey eggs to spare. No circulars, write for what you want. 100

W. W. REID, Ayr, Ont., Can.

Send for terms to Agents for Review. There is money in it.

BARRED ROCKS

Good breeding and exhibition cockerels, bred from First Prize Winners, for sale. More prizes than any other four breeders at Toronto, London and Ottawa, 1899.

ASKIN POULTRY YARDS,

GEO. W. MILLER, Prop.

LONDON, - ONT.



Address

Poultry Farm at Darien, N.Y. Name the REVIEW.

J. Y. BICKNELL, 314 Vermont St., Buffalo, N.Y.,

or C. S. WHITING, Darien, N.Y.

My Score Cards and Rubber Bands will be furnished by the Editor of the Review and duty saved.

MORE PREMIUMS HAVE BEEN WON

by these two strains during the last four years, when competition was hottest, than all others combined. The \$25 Madison Square Cup and the \$25 Hurlra Cup were won by these strains.

We can spare now, from our breeding stock, 15 Minorca hens at \$3 each, 15 more at \$4 each and 20 Exhibition hens at special rates, 10 B P Rock hens, well barred to the skin, \$3 each, 1 cock and 4 hens, C. I. Game, \$20; 2 Trios B Javas, \$10 per Trio, 3 black Cochlin Bantam cocks and 6 hens, \$2 each. All hatch of 1897 and 1898. Every one offered will breed winners if well mated. We wish now to reduce stock.

Eggs from all varieties balance of season, including our best, \$2 for 13. Show birds from all, special rates, 1,000 chicks to select winners from in the fall.

BUFF COCHINS.

All my chicks are from my two winning females at the late Industrial, where only 4 birds were shown by me winning 3 premiums.

A. W BELL,

536 Ontario St.,

TORONTO.

BUFF WYANDOTTES AND PLYMOUTH ROCKS.

I WILL SELL MY ENTIRE STOCK OF THOSE VARIETIES without reserve. I have many birds that are fit for the hottest company, and have won the HIGHEST HONORS at all the leading shows in Canada (including Ontario). I have also a choice lot of young stock bred from winners that will be sold very cheap.

Write your wants. I am sure I can satisfy you. 900

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Pheasant Culture

FROM EGG TO EGG.

By DR. T. SHANNON MCGILLIVRAY

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

Price 25c.—Free by mail.

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BLACK LANGSHANS

I have for sale a choice lot of chicks bred by

- 1st. COCK INGERSOLL
- 1st. COCK BRANTFORD
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- 1st. COCK TORONTO

INDUSTRIAL
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Show Birds a Specialty. 800

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1ST PRIZE WINNING EXHIBITION BARRED

PLYMOUTH ROCKS AND BLACK MINORCAS.

Again I am to the front with my winners at Sherbrooke, Quebec and Granby. Can give close attention to anyone who require good stock or new blood, either in chickens or yearlings, also a Mann Bone Cutter for sale.

Talking Points of Interest.



Large size, clear plumage, yellow legs and vigorous constitution should make Mueller's strain of Barred Plymouth Rocks and S. C. Brown Leghorns worthy of your attention. Your inquiry will be promptly attended to. Stock for sale at all times.

CHAS. MUELLER,

Box 391, Waterloo, Ont.

SPRING RUN POULTRY YARDS

DR. W. A. CRUM & L. A. LOGSDON, Carey, Ohio, U.S.A

Have always won the Lion's Share

of prizes in the leading shows, on their white and Buff P. Rocks, White, Silver and Buff Wyandottes, and Toulouse and Embden Geese. At the great Toledo show, and at Carey and Sycamore, Ohio, they swept the platter. If you want stock that will win or eggs that will hatch winners for you, send us your order. BIRDS SCORED TO 96½.

Send for circular giving prices with show record. Mention REVIEW. 400

CUT PRICES

As we have hatched all the chickens I can possibly attend to I will sell Eggs the Balance of the Season at Half Price, \$1.50 per 13, \$3 per 26, in Mixed Settings.

Polish and Hamburgs, all varieties, and Houdans. Customers desiring eggs all from one variety may have them on payment of 50c. per 13, or 75c. per 26 extra. Eight chicks from 13 Eggs guaranteed, or replace at half price. All breeders and first prize show birds at \$8 a trio, less than one half their value. G. B. Polish, W. B. W. Polish, Buff L. Polish, W. C. B. Polish, G. Un Polish, B Hamburgs, J S Hamburgs, S P. Hamburgs, G P. Hamburgs Not a bird under 90 points. If birds are not satisfactory I will cheerfully return money, less express.

H. E. BECKWORTH, Prop., Polish Poultry Yards,
Box 251, BLENHEIM, ONT.

INCUBATORS and BROODERS.



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

A VISIT TO ONE OF THE BEST-KNOWN INCUBA- TOR FACTORIES IN THE STATES.

BY C. J. DANIELS.

I HAVE always had the idea that a lot of our American cousins' large establishments existed on paper only, but was agreeably surprised when I reached my destination, the Cyphers' Incubator Co.'s factory, Wayland, N.Y. The catalogue they have been issuing did not do them justice, and as one of old has said, "The half has not been told." I was ushered into the inner sanctum of Messrs. Cyphers & Patchen, and given to understand that the best Wayland could give was at my disposal. After a rest and pleasant chat with these two gentlemen Mr. Cyphers remarked, "No doubt you would like to see how incubators are made." I replied I should. First we visited the lumber yard, and it gave one more the idea of a large lumber merchant's yard than anything else. The lumber is all white pine, and of the best quality. Yellow pine can be bought at \$10 to \$15 less than the white pine, but the company prefers putting in nothing but the best material, and white pine makes the best machine possible.

Our next move was to the lum-

ber drying building, which runs the same length as the factory, and hot water pipes are laid all through this building on trucks with rails; the lumber is put in at one end of the building and comes out at the other end.

We entered the factory, and found everything on the hum. First was the self-feed gang rip saw that has a capacity of cutting up 100,000 feet of lumber per day. Then came the four-sided planer; capacity, 60,000 feet tongue-and-groove casing board per day for

from all appearances nothing but the best material was used in the Cyphers' Incubators. He answered that was the aim, and that it would be hard work to know where to reduce or lessen the cost of a machine twenty-five cents, as we are building incubators to hatch. We believe our best interest as well as the buyer's are best served by using nothing but the best.

Mr. Cyphers next opened up their fire-proof heater, and explained its construction. It is manufactured of alternate sections



CYPHERS' INCUBATOR FACTORY.

supplying lumber to make incubator cases with.

Then came the machines for cutting up sections of the machines, machine for making the doors, sandpaper machine, which does ten men's work smoothing off.

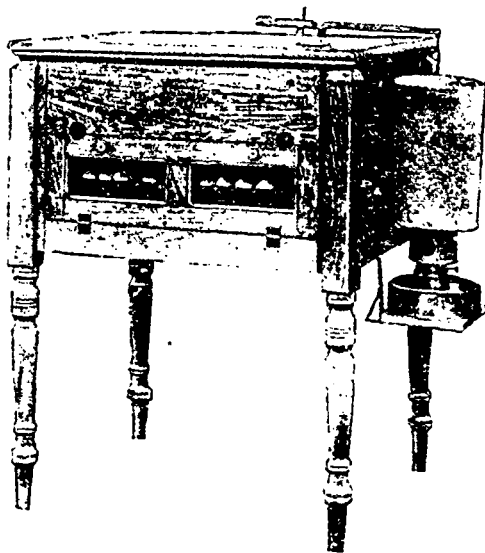
Then came the leg man. Mr. Cyphers remarked, "You see the man at the lathe?" I answered, "Yes." Mr. Cyphers said he did nothing else but turn out legs the year round.

Then came the metal-working room—heaters, lamps, thermometers, etc., too much for me to describe.

I remarked to Mr. Cyphers that

of asbestos, millboard and air space, so that the heat has to travel from the asbestos to the millboard, then back to the asbestos again, and is about five times as efficient as though made of solid asbestos, although the latter would be much cheaper.

Much more could be written about this machine, suffice it to say we have all heard, and about all know that Mr. Cyphers has solved that vexed question of how much moisture is necessary to hatch out good, strong chickens. How he has done it is a secret with himself, but it is a well-known fact that in the Cyphers' machine there is no



Toronto Incubators

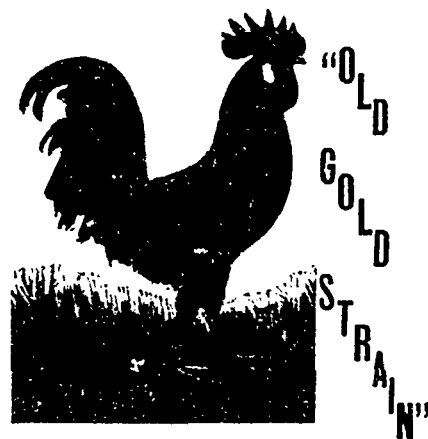
Guaranteed to hatch as large a percentage as any machine built or your money back. We use better material and better workmanship than any of the much-advertised American machines. Write for our catalogue before placing your order.

Address:

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

Try an "Incubator Ad." in the Review; it will pay you.

BUFF LEGHORNS



"GOLDEN BOY."

1st and Silver Cup, Ontario, 1899.

Our 1899 "Ontario" matings have proved a grand success. We can supply **FIRST CLASS EXHIBITION and BREEDING STOCK.** Money refunded if not satisfied. Mention REVIEW.

SPRY & MICK, 230 LISCAR ST., TORONTO
400

The Safety Incubators

are fast superseding all others because they are the most substantially built, the easiest managed, most perfectly regulated, hatch the most and strongest chickens, ducklings, etc., supply their own moisture, are ventilated automatically, are furnished with the most durable, most perfect and **ABSOLUTELY FIRE PROOF** lamps in use on any Incubator, and they are sold at a lower price, quality considered, than any other incubator on the market.

MR. F. R. WEBBER, Manager of the Poultry Department, at Dentonia Park Farm, Coleman P.O., Ont., writes.—
"Last spring one of your incubators ran steadily from March 17th to the end of June, at an even temperature of 102° to 103°."

Mrs. Chas. Empey, Empey, Ont., writes.—"This is my third year of running your Safety Incubator, and I like it better than ever. My last hatch was 93½% of the fertile eggs."

Mr. W. Anderson, Brandon, Man., writes.—"Although we had never had anything to do with an Incubator before, our first hatch was 90% of the fertile eggs."

Judge L. G. Jarvis, late manager of the Poultry Department, Ontario Agricultural College, at Guelph, where the Safety Incubator is in use alongside other makes, writes.—"The regulation is very accurate, and the machine will run without the slightest variation of temperature."

W. R. Graham, B.S.A., Manager of the Poultry Department of the Ontario Agricultural College at Guelph, writes.—"We have been using your Incubator, and must say that it is easy to operate, and has given satisfaction in every respect."

These Experiment Stations *should* and we believe *do* know a good thing when they see it. We are not going to say that the Safety is the **ONLY** Incubator in use at our Experimental Stations, because that would be a falsehood, and if we cannot get your trade by *honest* means, we do not want it. We will tell you, however, that what machines we have in use at these Stations have been bought and paid for, and were not sent as a gift as our Yankee competitors did with theirs. Don't be humbugged, but buy the Safety. Remember, we say *buy*, as we will not make you a present of one, but if it does not please you *perfectly* at the end of the first hatch, we will give you your money back.

—We will quote special low prices during December. Address:

J. E. MEYER,

KOSSUTH, ONT.

Canada's Last but Greatest Exhibition

of the 19th **TORONTO** December
Century at 18 to 22.

Largest and most valuable list of special prizes
of the season. Annual meeting of the
American White Rock Club.

New coops for poultry and pigeons. **ENTRIES CLOSE DECEMBER 9th.** Cheap railroad rates. Visit Toronto at this time and buy your Christmas presents. **JUDGES:**—Wm. McNeil, L. G. Jarvis, J. H. Drevenstedt (in Poultry.) C. F. Wagner (Pigeons.) J. S. Moffatt and W. Cochrane (on Canaries.) A. Burland. Grimsby (on Cats.)

Chas. Mick, Pres.

A. W. Bell, Sec.=Treas., 536 Ontario St.
Toronto.

moisture required, as the machine is so constructed that it supplies its own moisture.

We next visited the poultry buildings. I have forgotten how many houses there were, but I think about forty. On one side were Pekin ducks, and a fine lot they were. All these houses were separate, with separate runs and fresh, running water running into troughs all the time, the overflow forming a running stream at the back of the houses. On the other side were the poultry yards, laying stock and young birds. The morning I was there the pickers were picking one thousand young chickens for New York.

Next came the incubator-room, containing, I think, fifty 220-egg size incubators. These incubators are used for raising broilers. The brooder-house, which is 300 feet long, is also under the same roof,

and is heated with the Cyphers' system of hot water pipes. My visit being at an off season, there were not more than a thousand chicks on hand.

Better shipping facilities could not be found, as the depot of the Lackawanna, Delaware and Western Railroad is but a stone's throw from the factory, and on the other side of the town the Erie Railroad is situated.

On our return to the office we found Mr. Patchen busy at the telephone attending to a cable message from Australia, via New York, for a carload of incubators. On enquiry, asking if they had done any business in England, they said, "No, but had shipped a carload to Germany last year." To my surprise I found the company were behind with their orders, and had not had a slack day all summer.

Next morning I took train for "Canady," feeling that my business trip to Wayland had done me good, and that I could talk incubators more intelligently than before.

"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 Food Co.,
Box 942 Yo-k, Pa.

INCUBATORS - AND - BROODERS.

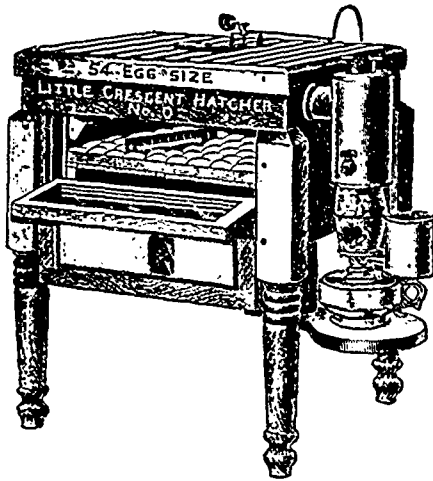
All about them. How to make and how to use successfully. Fully illustrated in Poultry Keeper Illustrator No 2—25 cents. Send for free sample copy of POULTRY KEEPER with particulars about other valuable poultry knowledge. Address,

Poultry Keeper Co.,
Box Y., Parkesburg, Pa.

RHODE ISLAND RED MALES ARE JUST THE THING

for crossing with different pure breeds, or for grading up common mixed stock into a uniform and profitable flock. They impress their characteristics on their progeny very strongly, no matter what you breed them with. Fair quality, rose or single comb males cockerels, now \$4 each singly. Several \$2 each. Positively, no low priced males would in winter or spring. Cash orders booked now. Circular and price list free to all who apply.
200 Samuel Cushman, Box 225, West Mansfield, Mass.

The Des Moines Incubator Co.



Manufacturers of the

Successful, Eclipse and Crescent Incubators and Brooders.

The DES MOINES INCUBATORS and BROODERS are equipped with the latest improvements and are not liable to disappoint the operator when our plain directions are reasonably complied with. We have placed many machines in the different

PARTS OF CANADA,

and up to now we have not received one complaint of non-success, on the contrary, many of our customers were so pleased with their Incubators and Brooders that they have duplicated their orders for next season. 95 per cent. hatches are often reported by those who use these Incubators.

One reason for this record is absolute uniformity of temperature in egg chamber; correct instruction for operating; has fire-proof lamp. A great mistake it would be to purchase an Incubator or Brooder without getting a copy of our 148 page catalogue.

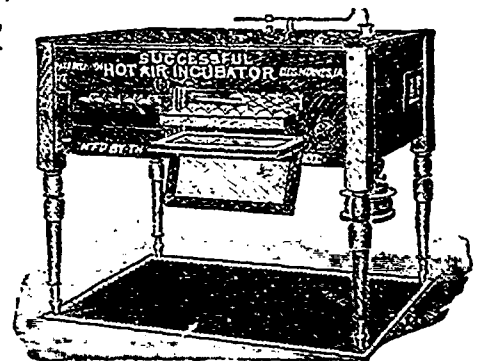
We keep also in stock a full line of Poultry Supplies: Bone Cutters, Vegetable and Root Cutters, Grinding Mills, Patent Stoneware Drinking Fountains, Climax Leg Bands, Caponizing Sets, Poultry Markers, Thermometers, Egg Testers, Foy Safety Lamps.

Bradley's Superior Meat Meal, Pioneer Cl Meal, Lightning Lice Killer, Ideal Poultry Food, Oyster Shells, Mica Crystal Grit, Mica Crystal Sand, Spongia Tablet for Roup.

Send Three Cents for Illustrated
Catalogue.

THE "POULTER'S GUIDE,"

New Edition 112 pages, mailed to your address for 15 Cents.



O. ROLLAND,

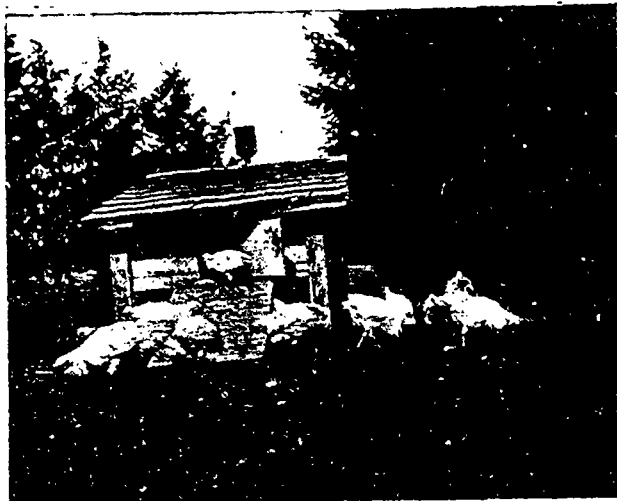
Sole Agent for the Dominion,

373 St. Paul St., Montreal.

MR. W. A. WILSON'S CHATHAM, HOME-MADE OUT-DOOR BROODER.

BROODER as in the picture was made out of an old dry goods box, which was cut in two diagonally so as to make an incline roof, and shingled. The heater is made of tin and is made after the style of the old fashioned drum that was used

It was an experiment of my own and I have found it very good. I have used it for the past four years and out of a hundred raised in the brooder this year have not lost one. The heat being in the centre leaves no corners for crowding, neither is there so much bottom heat to cause leg weakness but just enough so the chicks lie away from the heater. They always seem com-



for warming upstairs rooms. It is built with three flues one inside the other, with holes in each to let the heat circulate, and for ventilation for lamp, which is placed so that the chimney goes up through the centre flue.

fortable and contented. I have several indoor brooders with same heater with which I start chicks early. I will send you picture of my indoor brooder as soon as I can get a good photo.

W. A. WILSON.

AMERICA'S CHAMPION

Blue Andalusians Winning all lots and specials at Amer. shows in 1899, Ontario, Toronto and Madison Square Gardens, N.Y.

I have a choice lot of Yearling Cock Birds for Sale, some with good show records, also a grand lot of young stock. Will sell cheap to reduce stock before winter sets in. Order now.

NEWTON COSH,

Box 218, Brantford, Ont.

For Sale

- 1 Pair Pea Fowls..... \$1.00
- 6 " Buff Pekin Bantams \$2.00 pair
- 2 " Pyle Bantams 2.00 "
- 2 Trios Black African 2.00 trio
- 2 " Black Cochin B. 2.50 "
- 3 Pairs B.B.R. Game B. 2.00 pair
- 2 Trios Silver Sebrights 2.50 trio
- 1 Golden Sebright Hen50
- 1 Rumpkin Bantam Hen50
- 1 Frizzly Bantam Hen50
- 1 Silky Cock 1.00
- 1 Pair White Bantams 1.00

This lot is all my best stock. Have about 30 Bantam Pullets, crosses kept for setting, 25c. each, unless taken by the lot.

F. B. JONES

Box 148, Brighton, Ont.

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

RELIABLE INCUBATOR & BROODER.

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

RELIABLE INCUB & BROODER CO., QUINCY, ILL.

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.

Add to Your Profits

By reducing the cost of hatching. The Prairie State Incubator hatches a larger proportion of fertile eggs at least 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. 310 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.

FOUR Poultry Papers For \$1.15.

None Better. None as Good for
Practical Poultrymen.

FARM-POULTRY, semi-monthly, - - - -	Price	\$1.00
INTER-STATE POULTRYMAN, monthly, "	"	.50
POULTRY KEEPER, - - - - "	"	.50
A FEW HENS, - - - - - "	"	.25

You Save \$1.10 Cold Cash, and get the
Cream of Poultry Knowledge.

The FOUR Papers one year, all sent to one address, post-paid, for \$1.15. Send all orders to us. The combination cannot be changed or filled as above, unless all ordered at one time Poultry Keeper, Box Y, Parkesburg, Pa. 100

LAKES BLUE BONNET POULTRY YARDS

FRED. H. BENDER, Proprietor
St. Dunstan County, Que., Can.

Breeder of High-Class Poultry, including White and Barred Plymouth Rocks, Mammoth Bronze Turkeys, Black African and Light Bahama Hants. Having won at Sherbrooke, Quebec and Ottawa Exhibitions, Sept. 1899:

1st on White Rock Cuck and Special
1st, 2nd and 3rd on White Rock Hens and Special
1st and 2nd on Barred Rock Hens
1st and 2nd on Bronze Turkeys
1st on Barred Rock Cockerel, 1st on Hen
1st and 2nd on Barred Rock Pullet
1st on Barred Rock Breeding Pen

-FOUR SALE-

50 White Rock Chickens 50 Barred Rock Chickens
25 Bronze Turkeys
Yearling and Exhibition Birds at moderate prices.
All inquiries must be made at
200 No. 9 Couillard St., Quebec, P.Q.

Moved by Mr. Ramsay seconded by Mr. Dundas that the present hall is unsuitable for the meetings of the Association and that the Executive Committee be empowered and directed to enquire and report to the Association at the next meeting a suitable hall together with the nights the said hall is obtainable and all other information required. Carried.

The next order of business was the nomination of officers. Mr. W. E. H. Massey of Dentonia Park Farm was unanimously chosen Honorary President. President: Jno. Chambers, Chas. Mick, Chas. J. Daniels; 1st Vice-Pres.: W. Ramsay, W. J. Wolf, C. Grimsley; 2nd Vice-Pres., A. C. Blythe; Secretary: E. J. Dewey, J. Brown, J. S. Carter; Treasurer: W. H. Chambers, C. Grimsley; Executive Committee: Messrs. Ramsay, Bennett, Bedford, Spry, Jamieson, Wicks, Wolf, Fox, Barker, Goulding and Lovell. Delegates to Industrial Exhibition, Messrs. Barber, Lake, Fox, Bennett. Western Fair, Messrs. Bennett, Fox, Dr. Bell. Auditors, Messrs. Donovan, Ramsay. Delegate to Representative Association, R. Durston.

The meeting then adjourned. Receipts, \$5.00.

R. DURSTON, Secy.

GOLDEN - WYANDOTTES.

WINNERS:

At Washington: '98. 1st, Cockerel.
1st and 2nd, Pullet.
At New York City: 1st and 5th, Pullet
3rd. Cockerel.
At Danbury, Ct. '99 1st, 2nd and 4th.
Cockerel.

A Fine Lot of COCKERELS and PULLETS for sale.

Write quick and get first choice. Also a few Choice Langshan Cockerels and Pullets.

L. H. DAVIS,

100

PORT JEFFERSON, N. Y.

TORONTO POULTRY ASSOCIATION MEETING.

THE regular monthly meeting of the Toronto Poultry, Pigeon and Pet Stock Association was held in Temperance Hall, Thursday, Nov. 9th. Mr. Mick, the President, occupied the chair.

On motion of Mr. Brown a unanimous vote of thanks was tendered to Mr. Bonnicks, our retiring President for the manner in which he conducted the business of the Association in past years.

Messrs. Fullerton, Thompson, Stone, Trinnell, and Wicks were elected members of the Association.

On account of the show being so near the regular date of annual meeting the Association decided to hold the annual meeting Dec. 7th instead of the 14th. Motion of Mr. Donovan seconded by Mr. Dundas that the incoming executive select two or three nights for open meetings and that Mr. Graham of Guelph and other prominent poultry men be invited to attend. Carried.



GOOSE BREEDING. (Continued.)

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

PATE DE FOIE GRAS.

THIS is a luxury prepared from the livers of specially fattened geese. It is imported from Europe, where in certain sections of Germany and France, geese are fattened for the express purpose of preparing the livers for sale to the manufacturers of this dainty. The manufacture of "goose-liver-pie," is mainly confined to the vicinity of Strasbourg.

The birds are closely confined in rather warm quarters and fed by "cramming" to the last stage of repletion, when the livers become enormously developed and the birds, unless slaughtered when exactly the right stage has been reached, are subject to death from apoplexy. We do not know that the manufacture of pate de foie gras has thus far been attempted in this country.

LEGS AND FEET

The legs and feet, properly prepared and cooked, are considered

good eating by some. In this country they are usually consigned to the butcher's scrap box. When used for eating they are first thoroughly washed and scalded until the outer skin can be easily removed, when they are slowly cooked in water, to which they give a gelatinous consistency. When done, they may be seasoned and eaten without further preparation, or they may be seasoned in a similar manner to that used in the preparation of pigs' feet, or the bones may be removed and the broth used for a soup stock.

PICKING LIVE GEESE

In former times live geese feathers commanded a much higher price than at present and the feathers constituted no small part of the income derived from a flock of geese. A description of the custom followed by goose breeders in the early part of this century is interesting as illustrating the value of the feathers at that time. One author says, "that the first picking takes place about April 1st in England. The fine feathers of the breast and back are gently pulled. Care must be taken not to pull the down or pin-feathers. Quills may be pulled, five out of each wing, and they will bear pulling again in thirteen or fourteen weeks. The feathers can be pulled three times a year from the old geese and ganders, about seven weeks intervening between each plucking. The young geese may be plucked once when thirteen or fourteen weeks old, but should not have the quills removed. Good feeding promotes the growth of feathers. Some pluck five times, as: Lady Day—March 25th, Midsummer—June

24th, Lammus—August 1st, Michaelmas—September 29th, and Martinmas—November 11th. The feathers of a goose killed and plucked are worth sixpence, when plucked alive about threepence per head per annum is realized. 'Some wing them every quarter, taking ten feathers from each goose.' The quills sell at five shillings per thousand. In Wildmore Fen geese return an income of one shilling per head for the feathers plucked from them."

The demand for feathers has so far decreased that, aside from those obtained when goslings are dressed for market, little, if any, attention is paid to them. All growers are united in the opinion that goslings intended for market in the fall should by no means be picked alive, as in the first place the removal of the feathers is a serious interruption to the satisfactory growth and development of the gosling, and in the second place the goslings when dressed at a later date will not present a very satisfactory appearance for the market. If breeding geese are picked at about the time when the feathers are naturally shed some feathers may be secured with little detriment to the geese. If, however, they are plucked alive every seven or eight weeks, between June and October, the demand upon the constitution of the bird for the growth of the repeated crops of feathers must be met by liberal

AFRICAN GEESE

100 finest young ones, \$5.00 each, few old breeders fair quality, also Embden and Toulouse, young and old same price. Exhibition trios, \$25.00. Won First and Second on all three varieties at last Brockton Fair and R.I. State Fair in strong competition also First on all three at last Boston Show.

200 SAMUEL CUSHMAN, Box 225 West Mansfield, Mass

The Sixteenth Annual **Exhibition** of The Eastern Ontario Poultry Association

Will be held at

Ottawa, Ont.,

January 23rd to
26th, 1900.

Entries Close
January 15th, 1900.

For Premium Lists, etc.,
address F. H. GISBORNE, Sec'y,
110 Cartier St., Ottawa.

Poultry Judge, SHARP BUTTERFIELD.

100

feeding, or satisfactory results in the way of breeding will not be obtained.

In picking geese a clean, close room is required, as the slightest motion of the bird is liable to scatter the feathers. A stocking or long bag is drawn over the head of the goose and the wings must be held, care being taken not to injure them, as frequently results if they are locked together. Only the small feathers of the breast and sides should be removed, all the down should be left on the bird as well as the feathers along the back and the larger feathers on each side of the tail, which naturally hold the wings in place and keep them from drooping. Care of course must be taken that the skin of the bird is not injured in removing the feathers. If a cold rain or storm comes immediately after the geese are plucked, they should be given shelter in a warm place. Liberal feeding promotes the rapid growth of feathers. Feathers should only be plucked when there is no blood whatever in the quills. Few, if any, goose breeders at the present time pluck geese alive.

(To be Continued)

THE DUCK FANCY.

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

THINK the duck fancy is looking up. Certainly in the past it has been so flat upon its back that was the only way it could look. But I do not mean just that—I mean that the indications are that there are more duck fanciers than there used to be, and that more ducks are exhibited than was once the case.

But there is ample room for further improvement. The fancy today is just a beginning. Its growth ought to be rapid and continuous. In the past growth has been practically impossible, because of the false ideas which have been entertained. It has been believed that, because ducks are waterfowl, a pond or a stream was absolutely necessary to be had before they could be bred at all. Without water to wade and swim in, it was believed that ducks could not exist, much less thrive and multiply. But, strange as it may seem, many of the finest flocks of ducks have never been into water at all. All the water they have ever had has been brought to them for drink or has fallen from skies upon them as

rain. But comparatively few people could keep ducks if streams and ponds were necessary, but, that necessity done away with, any one who can find room for chickens can find a suitable place for ducks. No doubt ducks naturally enjoy the water, but if they have never had the chance to swim they do not realize any sense of loss or deprivation, and are, so far as they can know, as happy as the birds which swim and dive at their own free will. By understanding this simple fact, that ducks do not require water, except for drink, the number who can become duck fanciers is multiplied a thousandfold.

Then, too, it was popularly supposed that ducks were difficult to rear. Many a man has undertaken to breed the most delicate varieties of land fowls who thought that his abilities were not adequate for duck rearing. I used to read article after article in the poultry press about this delicacy of ducklings, and I was thoroughly imbued with the idea that ducks were about the most difficult bird to rear that was inventoried among domesticated poultry. I could raise all varieties of Bantams—I felt equal to that—but I was afraid of ducks; and I

presume I should have continued to hold this opinion for years to come had not a friend of mine asked me, as a matter of friendship, to try to rear a few ducks of a variety supposed to be delicate. It was a request I could not very well refuse, and so, with visions of dead and dying ducklings, I undertook

Another factor in favor of a great increase in the duck fancy is the variety in size and coloring which ducks possess. The proof of this is apparent when one considers the different breeds. The Muscovy drake, with a weight of ten pounds, and the little East Indian with a weight of not much more than two

city for variation, and buff and blue ducks are among the near possibilities. Variation is the key-note of the fancy in any line of stock. The greater the capacity for variation the greater the fancy is likely to be.

So there are reasons sufficient for one to take a hopeful outlook



EMBDENS—A trio of old and a pair of young. (Not an Ideal Sketch but an actual Photograph.) Winners of 1st, 2nd and 3rd at last Brockton and R.I. State Fairs. Owned and bred by Samuel Cushman, West Mansfield, Mass.

the task. The difficulty I found existed only in my imagination. The first attempt was a success. Nearly every duckling hatched was reared to maturity. My dreaded task proved a pleasant one, and I have not been without ducks since that day.

pounds; the Rouen with its marvellous colors and markings, the Aylbury with its white, the Cayuga with its black, the Indian Runner with its pied coloration—all these show sufficient diversity to sustain a healthy fancy. But more than this: the duck shows a capa-

upon the duck fancy. Land fowls will, I believe, not always have a monopoly in this direction. Water fowls will have their day, too. And that day seems to be dawning. If one wishes to be in the swim he will take up the breeding of some variety of water fowl.

PERTH POULTRY ASSOCIATION.

Annual Show, December 26 to 30, 1899 IN THE CITY OF STRATFORD.

Open to the World

First Class Judge
Good Specials

Attractive Prize List for Single Birds

Prize List on Application to Secretary.

JAS. L. CORCORAN,
President.

DR. HAMILTON, L.D.S.,
Treasurer.

E. W. HARDING,
1299
Secretary

QUEBEC NOTES.

BY W. H. ULLY.

THE St. Johns, P.Q., Poultry Association are getting into shape to hold their show the first week in January. They have a membership of about 20, are looking for a big store on one of the business streets, and are going to do it up "brown"—Brown is the secretary's name. St. Johns is quite a pretty town; in a few years they will be on top. I am to judge for them.



How often I wonder why it is that Sherbrooke, P.Q., that can hold such a grand fall exhibition of poultry, cannot form a poultry association and have a big winter show. It only wants some one to take it up, ask the Government for a grant, and hold it every other year in turn with Montreal and Quebec. Mr. Editor, cannot The Review brace them up to it?

Poultry seems to be on the boom here—three new poultry associations in the Province of Quebec. The St. Jerome Poultry Association has a membership of about 25, and just got a Government grant of \$150; will hold a show first week in February, and is getting up quite a big prize list. Expect to have some of the "M.P.'s" to open it. Show will last about a week.



The St. Hyacinthe Poultry Association are also talking of getting up a show. Have a membership of about 30, and some of the best men are members of it.

[The combination or circuit that Mr. Ullly refers to would be a big factor in the advancement of pure bred poultry in the good old Province of Quebec, and now is the time to approach the local Government for a substantial grant. We suggest a meeting of those interested during the Montreal show,

and hope to see "The Poultry Association of Quebec" result as the outcome of the deliberations of those in attendance. Count on the Review for all the help in its power to bestow.—Ed.]

6000 FERRETS.

Pure blood furnished, not akin. Finest strain in the land. Bred from good workers. Small, medium and large breeds. Trained. Will kill rats and hunt rabbits. Price low. Safe arrival guaranteed. Book "Care and Working," free. S. & L. Farnsworth, New London, O. 1199 7

River View Poultry Farm

Henderson & Billings, Props,

ST. MARYS.

Look at our record for the last five years at Toronto, London, Hamilton, Brantford, Guelph, Galt, Woodstock, Petrolea, on six of the leading varieties of Fowl, Barred and Buff Rocks, Silver Wyandottes, Black Spanish, R.L. Brown and Buff Leghorns. We have the finest lot of birds for sale we ever raised, some good breeders for sale cheap. Write us for what you want, we can please you. 100



MR. A. G. OLIVER is bewailing the loss of his grand, white, yellow-legged game Bantam pullet, stolen from his coop at the recent show in Atlanta, Ga. She was a winner many times over.



Mr. McNeill has for so long been a successful Bantam breeder and exhibitor that the announcement in the Toronto list that he will officiate as judge should draw out a record entry, as he knows a Bantam from toe to beak.



The Bantam fancy is growing rapidly, and it is surprising now to find how many add a pen or two of these miniatures to their yards. They take up little room, consume little feed, and help pay expenses.



"Woodland Farm" is the title of artist Graham's poultry yards, where he breeds buff Cochin Bantams that have long enjoyed an enviable reputation in the States. But besides his Bantams he also breeds "clinkers" in white Wyandottes and white Leghorns.

All correspondence should be addressed to his office, 1937 N. 21st St., Philadelphia, Pa.

...Try a...

"BANTAM AD."

in the REVIEW.

It will pay you.

OLD ENGLISH GAME BANTAMS.

BY P. PROUD.

BREEDING of Old English Bantams is as yet a bit of a lottery, as no standard has been fixed that I am aware of, and such being the case, there is no guide for the young fancier as to what is really required. Still, if he breeds to my description of what I consider an ideal Old English Game Bantam, as the Yankee says, I guess he'll come out on the top of the heap when the prize cards are distributed.

Black-red cocks may either be bred from partridge or wheaten hens. Strange to say, the soundest

ern black-red Bantam pullet breeding, care being taken that your male bird is not wheaten bred. If he is your labor will be lost. To breed partridge pullets you must have a partridge bred cock bird, and don't you forget it. A wheaten bred cock, with partridge hens, spoils the color in both wheaten and partridge chickens. To breed wheaten hens I should select a good-colored wheaten hen and put her to a wheaten-bred cock. The cocks from wheaten hens are generally a shade darker than the partridge-bred birds, and are more inclined to show red in breast more or less.

In breeding spangles I think if



GRAHAM'S COCHIN BANTAMS, Phila, Pa.

and brightest colored cocks are to be bred from a partridge hen; if the cock bird is also partridge bred, this is important. Partridge-bred cocks, as a rule, are much brighter in color than wheaten-bred cocks, and are frequently found to be a bit striped in hackle, and it is these bright-colored birds that find most favor in the show-pen.

To breed sound colored partridge hens I would proceed on the same line of color as stated in mod-

even-colored birds are selected on both sides, the produce both in cockerels and pullets will be found satisfactory, as, unlike many colors, one pen will be found to produce good specimens of both sexes. Should, however, the chicks come too light in color the following season I should use a partridge hen, or even a wheaten, although for preference I should use the partridge, as partridge-bred spangles always appear to me to be much

THE
THIRD
ANNUAL
EXHIBITION
OF THE

**Lambton Poultry and
Pet Stock Association**

will be
held in

PETROLEA December
26th to 29th, 1899.

GUARANTEED PRIZE LIST. **Open to the World.** Send for Prize List of Regular and Special Prizes.
We have the best coops in Canada. A good hall, and everything up-to-date. We did just as we advertised last year
and intend to do the same this year. 1899

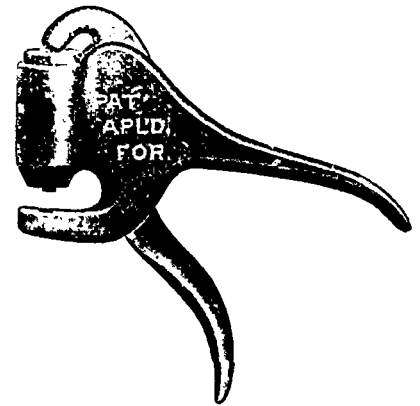
H. MANN, President. **L. C. JARVIS, Judge.** **J. W. KEDWELL, Secretary.**

harder in feather and more taking in color than wheaten spangles.

To breed even'y-spangled pullets it is best to use a light-colored cock, but as an all-round breeder I should prefer a medium-colored, evenly-spangled bird. Blue duns or blue reds are only to be found here and there, although they are quite as pretty as the black reds. In the first place, I think the name blue dun hardly correct. The blue-breasted red cocks I would call blue red. These may be bred from blues on both sides, but I think one could hardly know what color to expect in the chicks, as they "sport" all ways, and require very careful breeding to get the color fixed. I have seen a good blue cock bred from a sound blue-breasted cock and wheaten hen, and I think a pullet could also be bred same way, or from blues on both sides. A blue-red cock can be bred from a blue hen and a sound-colored black-red cock. In fact, they will breed any way almost, and as color is only a secondary consideration in Old English Bantams, it is not of very great importance how they are bred, providing the proper shape, type, and size is all there.

A little advice, and then I've had my say on this variety. Don't try to breed Old English Game Bantams by crossing with the Modern Game Bantam, for it can't be done; and don't try and palm off a rank waster of a Modern Game Bantam to a judge as an Old English Game Bantam, for that won't wash in 1899, although it did in 1898. If they have got to be Old English let them be Old English, for there are hundreds of them in the country to day, and have been for years.

In judging Old English Bantams care should be taken to have the proper cobby type, broad in chest, low on leg, firm in breast, and straight in breast-bone, strong in head and beak, with a red fearless eye; feet well on the ground, and sound in back toe, with bold but graceful carriage, quick in movements, and ever on the alert. The tail should be full, and the sickles and side hangers of the cock should be fairly long and well curved, not whip-tailed, as is often seen. Dark legs, light eyes, crooked breast-bones, wry-tailed, and duck-footed should one and all amount to disqualification.—Feathred World.



**The Reliable Spring
Lever Poultry Punch.**

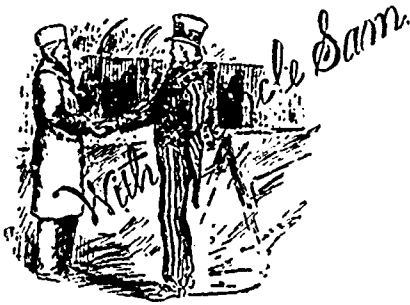
If you keep a record of your chickens of the different breeds, hatches, strains, etc., there is no better, quicker, easier way than by using the Reliable Poultry Marker for punching the web between the toes. Hundreds of private marks can be made when your chickens are hatched, and a record kept so they can flock together until matured, and separated by their mark. The Reliable Poultry Punch is made in one size only, which can be used on any age fowls.

Price, post paid, 35c.

H. B. DONOVAN, TORONTO.

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.



WHAT RHODE ISLAND IS DOING.

ADVANCE NOTES BY MR. A. A. BRIGHAM, DIRECTOR OF THE EXPERIMENTAL STATION.

DURING the six months elapsed since the report for 1898 was rendered there have been continued or undertaken in the poultry division several lines of experimentation upon which we can at present report progress, hoping later to publish the final results.

Further trial of the hot-air system of brooder heating and ventilation encourages the belief that this plan is developing in the right direction, and will prove helpful in solving one of the most difficult problems in poultry culture. Several other systems have been tried during the past few months, and a special bulletin will be devoted to this subject after the matter has been thoroughly demonstrated.

A special study of the ventilation of fowl-houses is being made, and a variety of plans will be tested during the year. The object in this case is to secure, if possible, a simple, effective, and economical method of ventilation.

Some very instructive and very interesting experiments in the feeding of young chickens have, with the active interest and co-operation

of the Station biologist, been carried on. These experiments will be repeated, and so soon as the results are fully corroborated a special bulletin will be published, giving the practical bearing of the results.

Preliminary experiments in the feeding of laying fowls have been conducted, and the very important subject of poultry foods and feeding is receiving increased attention. Our work in this line is hampered by the lack of a suitable building which would enable us to control more fully than we can at present, the conditions affecting the fowls during the period of experimentation. We need facilities in this connection that will enable us to maintain definite and uniform conditions surrounding the fowls, so that the influence of the food factor may be more definitely determined among the many other factors which act upon the fowls.

The establishment at this institution of the inspection and analysis of feeding-stuffs, commencing on July 1st of this year, will, we trust, enable us to give additional attention to the investigation of foods adapted to poultry.

Some attention is being given by the biologist of the Station to the question of the factors determining the sex of offspring of poultry. A line of experiments has been started, dealing with this intricate and puzzling problem, which may require to be continued many years.

Trials of recording nests and trap nest boxes, commenced last year, are being continued. Our college carpenter has planned and constructed several simple and effective contrivances for this purpose, and many ingenious devices have been sent us for trial by poul-

trymen interested in the new movement for securing accurate records of the egg production of individual fowls.

Other work in this division includes continued experimentation with geese, Belgian hares, pigeons for market, and the breeding and testing of the variety of fowls commonly called Rhode Island Reds. Our experimental work is, from the condition of things here, intimately connected with the establishing of a business poultry plant to supply the College boarding-hall with fresh eggs and dressed poultry, and the development of a poultry department which shall be sufficiently complete and adequately equipped to serve as an object lesson and a possible training place for special students in poultry culture. The present importance and the future possibilities of poultry keeping in Rhode Island alone certainly warrant the establishment and equipment at this institution of a very complete poultry plant and the development of the best possible school of instruction in poultry culture.

The co-operation and criticism of the poultrymen of the State are desired in these attempts to forward the cause of poultry keeping. Experimental work is slow, and educational work often more so, in producing results; but the plans for work in these lines at this institution are based on the profound belief in the great future of poultry culture in Rhode Island, and the necessity of building upon the true scientific principles that underlie the business.

Judging from the questions relative to poultry which are asked in many of the letters received at this Station, there will have to be some

fundamental instruction given to and gained by the majority of young poultrymen before the results of advanced experimentation will be fully appreciated or utilized. This is reason sufficient for the introduction of the following brief explanation of some of the principles which underlie the breeding of plants and animals, with especial reference to their application to poultry.

(To be Continued.)

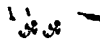


AMERICAN ROSE COMB BROWN LEGHORN CLUB.

THE members of the American Rose Comb Brown Leghorn Club have decided to hold their first annual meeting in connection with and during the next annual Chicago show, and have selected 2 p.m., Thursday, January 25th, 1900, as the meeting hour. As special premiums, the National Fancier's Association of Chicago, have offered a \$25 silver cup and \$10 in gold for the first and second best displays of Rose Comb Brown Leghorns at their fourth annual exhibition, January 22-27, 1900. Each member of our club should use every effort to attend the meeting and have an exhibit at the show. If inconvenient to attend personally, members should send their fowls to the show without fail. Breeders and fanciers of Rose Comb Brown Leghorns, who are members, will do well to join the Club at once and thereby share the benefits of full membership. Our Club has been very successful in its growth of membership, and the promotion of the various interests of its members. We have

now over 50 members in good standing, representing some nineteen States in the United States and Canada, and yet the club was organized less than six months ago. Send \$1 now to the secretary-treasurer for membership card, etc., and help swell the list. Inquiries cheerfully answered. Try and attend the Chicago show with your exhibit—if impossible to do this, attend some other show. Get your birds into the show room somewhere—it will surely benefit you.

CHARLES M. ZINK.
Sec'y-Treas.



ZIMMER JUDGES BANTAMS AT NEW YORK.

The result of the vote by the members of the National Bantam Association for judge of "Bantams other than game" at the New York Show, 1900, is as follows: F. B. Zimmer, 24; H. J. Quillhot, 11; C. E. Rokenstyre, 6; T. F. McGrew, 3; C. H. Proper, 1.

E. LATHAM, Sec'y.

Flatbush, L. I., N. Y., Nov. 13, '99.



WATER FOWL CLUB OF AMERICA.

A SPECIAL meeting is hereby called for Wednesday, December 6th, to be held in connection with the Elmira poultry show in Elmira, N. Y. Time of meeting, 8 p.m. Meeting place, Stancliff hall.

Members deciding to recommend new parties for admission to the club will please send to the secretary for application blanks as soon as practicable. The object of the meeting is to select as many

members already proposed as possible, in order to make the late winter shows—Boston and New York—the banner shows of the water fowl breeders.

Brother fanciers, let us work together and make our club what it ought to be, the law-giving body for the web footed varieties.

Address all communications to No 211 R. R. Ave., Elmira, N. Y.

THEO. F. JAGER, Sec'y.



NATIONAL WYANDOTTE CLUB.

THE National Wyandotte Club will hold its annual meeting in connection with the Boston show. The hour of meeting will be 3 o'clock, Wednesday, January 18, 1900.

Without a doubt the exhibit of Wyandottes at the Boston show will be the largest and best ever seen in America, and to aid in bringing this about, as well as to carry out the principles of our club, we have offered Three Hundred and Seventy-One Dollars (\$371.00) in cash as special prizes on the several varieties as follows:

\$100.00 on Buffs.

79.00 on Whites.

69.00 on Silvers.

48.00 on Golden.

15.00 on Blacks.

35.00 on Partridges.

25.00 on Buff and White.

This is in addition to the regular and special prizes offered by the show itself, or those that may be offered by the Buff or White Club. A full list of all the specials will be found in the Boston show premium list.

It will readily be seen that our club is working in harmony and for the interest of the Wyandottes.

We shall be pleased to add to our membership those who appreciate what has been done and are willing to help the good work along by at least joining our club.

The membership fee, including this year's dues, is one dollar, which should be sent to our Secretary and Treasurer, C. S. Mattison, South Shaftesbury, Vt.



THE AMERICAN POULTRY ASSOCIATION.

To members of the American Poultry Association :

The following changes in the Standard are proposed and will be acted upon at the Twenty-fourth Annual Session to be held in the city of Cedar Rapids, Iowa, at 8 o'clock p. m., Wednesday, January 17, 1900 :

Page 249 (of the Standard) Article V, strike out the words "at such time" and insert "either the third or fourth week in January each year."

Page 5, cutting for frosty edging in silver and golden Wyandottes, strike out the words "not less than 1" and insert " $\frac{1}{2}$ to 1." Cutting for purple barring, insert the words " $\frac{1}{2}$ to," making the cuts $\frac{1}{2}$ to 1.

Pages 93, 94, 96, 97, in describing the spangles of golden and silver spangled Hamburgs, change the Standard in its description of spangles to read: "The spangle to follow the web of feather and meet at the shaft."

H. A. BRIDGE, Sec'y and Treas.

ALLAN BOGUE, President.

Columbus, O., Nov. 4, 1899.

THE POULTRY CROP OF 1899.

THE Sprague Commission Co., of Chicago, in reporting their returns of the poultry crop in the United States for 1899, say:

"The principal feature touched upon by our correspondents in giving their reports of the poultry crop was the cold and wet spring and the lateness of the season. The unfavorable spring, which was from three to four weeks late, killed off a good deal of stock. Cholera also affected some of the young stock, as did also in some sections rats and wild animals. Every indication at the opening of the season pointed to an unusually large crop, but taking the crop all in all it will not be much, if any, larger than last year. Turkeys likely will be more plentiful. Chickens an average crop, ducks less and geese also less than last year.

TURKEYS.

The many reports received would indicate a larger crop of turkeys than last year—possibly 15 to 25 per cent. on the whole. The increase in the crop was due to the high prices which ruled last year in consequence of the previous short crops. Farmers have made extra exertions for the past two years to increase their crop of turkeys and have found it a little uphill work in doing so on account of the wet seasons for two years. The high prices, too, was an incentive for farmers to sell out closely, and not until the last year did they carry much stock over with which to build up a new crop very fast. The last year, however, more turkeys were carried over,

and a good start made for a larger supply. As the advices in nearly all instances from points tributary to the Chicago market reported the crop three or four weeks late, it may be possible that the supply of really fine, desirable turkeys for the Thanksgiving Day trade may be light.

CHICKENS.

From the numerous reports received we believe that the crop of chickens will be smaller than last year, certainly not any larger; possibly about 10 per cent. less than last year. Some of the reports indicate material increases, say from 10 to 25 per cent. more than last year, and some of the returns report a shrinkage of from 25 to 50 per cent., which in some instances seem to be a little sensational, but might nevertheless be a fact. After a careful study of the reports, however, it is fair to presume that the crop will be slightly short of an average one. Had not the very cold and late spring been unfavorable for the hatching of the eggs and killed off so many chickens, the crop would have been a large one. The high prices ruling the past spring for eggs kept farmers from holding as many eggs for hatching purposes, and they marketed stock closer than they would have done had prices been low. Then, too, the price of chickens has averaged higher than in former years, and this induced freer selling and closer marketing of stock than if chickens had been cheap.

DUCKS.

Last year was a bumper crop. For two years ducks have been plentiful and prices low. This has discouraged the raising of ducks, and the crop will be much short of

GALT The Manchester of Canada, will hold their FOURTH ANNUAL EXHIBITION

(Under the auspices of the Galt Poultry and Pet Stock Association.)

Open to
the World.

In the Market Building,
On January, 2, 3 and 4, 1900.

Entries close
Dec. 30th.

We have added to our List and are giving lots of Specials.
All Birds to be scored by MR. L. G. JARVIS, Judge. For Prize Lists, etc., address
Pigeon Judge—W. H. READWIN.

W. D. MCKENZIE, President.

1299

J. W. PORTEOUS, Secretary.

THIRD ANNUAL EXHIBITION

of the

Ingersoll Poultry and Pet Stock Association

To be held in the

WEDNESDAY, THURSDAY AND FRIDAY,

Town Hall of Ingersoll, Ont., December 13, 14 & 15, 1899.

S. BUTTERFIELD, London, Judge.

Many Additions to our Prize List. | Coops, Feed and Attendants Free. | We Pay all Prizes Before you go Home.

Breeders, be with us, as our Show takes place just before the Ontario, and by doing so you can tell exactly what to send there. Remember—No Exhibitor's name will appear on the coops till after the judge has finished. Send for Prize List. All birds to be in by Wednesday Afternoon. Address all communications to S. A. GIBSON, Secretary, Ingersoll.

P. S.—This will be a Comparison Show this year.

1299

G. A. IONSON, President.

last year—reports would indicate 10 to 20 per cent. less than last year—but this would not by any means signify that the supply will be short. Some of our correspondents state that they have given up duck raising for market for a while, but the supply has been so heavy for the past two years that a shrinkage of 10 to 20 per cent. may be scarcely noticed, although prices so far this season have been erratic and subject to quick changes with tendency rather to better average than last year.

GEESE.

The crop of geese will be somewhat short of last year, but not

much, possibly 10 per cent. less. Many of the reports indicate a falling off in the number of geese raised, and scarcely any reported an increase over last year. Some reported about same quantity as last year. About 90 per cent. crop would be a fair deduction. Prospects are the quality will be good, although the early marketed stock has been rather ordinary so far.

BUFF Wyandotte Club will meet with the Boston show this winter with a large line of specials. It will probably bring out the largest display of Buff Wyandottes ever shown.

ORCHARD SIDE POULTRY YARDS 500 Birds for Sale.

In White Plymouth Rocks, White Leghorns, Black Cochins, La Fleche, Golden and Silver Pencilled Hamburgs, Golden and Silver Polands, Black African, Golden Sebright Japanese and Buff Pekin Bantams, Aylesbury, Pekin, Cayuga, and Muscovy Ducks, White Holland Turkeys, Chinese Geese and Pea Fowls.

They are bred from winners at Toronto, Brantford, Guelph, Winnipeg, Brandon and other fairs. Prices reasonable to reduce stock.

Also Ferrets.

500

C. E. SMITH,
Fairfield Plains, Ontario.

SPRAMOTOR
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.
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Spramotor Co., London, Ont.

POULTRY AILMENTS.

We invite questions and correspondence for this department

CARE AND PREVENTION OF ROUP.

THE most common and prevailing disease among poultry during the fall is roup.

It starts from a cold, and if the fowls can be prevented from catching cold there need be no fear of roup. Fowls which roost out of doors in the trees are seldom troubled with it. They get not only pure air, but as dry air as is found anywhere. They are exposed to storms, which is not good for them, but nevertheless, as far as healthfulness goes, such fowls are as healthy as any that can be found. After a season of roosting out of doors these fowls are caught along in the fall and put in the houses, where they can be better cared for and kept warmer, in the hope of getting them to laying well.

If the houses are properly built and ventilated the change will not affect many of the fowls. It is one thing to sleep in the open air with the wind blowing all about you, but quite another to sleep in a



BUFF WYANDOTTE COCKEREL, "INVINCIBLE." Bred by L. C. Fisher, Shushan, N.Y. 1st at Middletown, Johnstown, Troy, Boston and New York.

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, Ropy 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 overlying. 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.—E. 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.

Hersee's Reliable Poultry Food.

We say by feeding this food that it is just as easy to produce more eggs as it is to make a cow produce more milk. Poultrymen and farmers everywhere are using this food. Shortens moulting and prepares your bird for the show. Most wonderful food known. Ask for it and take no other. 15c. and 25c. a package.

HERSEE'S - RELIABLE - POULTRY - TONIC
cures Roup, Cholera, etc.

It will save you dollars. Poultrymen say it is all right. Sold everywhere. Price 15c. per bottle. Sold by leading dealers, or sent direct.

E. HERSEE,

Manufacturer

WOODSTOCK, Canada.

house and in a draft. The latter will usually bring on a cold. If a hen sleeps with her head within a foot or two of a small sized knot hole she will get up in the morning with a stiff neck, and very likely a cold. Dampness in the houses from whatever cause will also bring on the disease. Therefore prevention is much the best thing to look after.

Among the first symptoms of roup is a watery discharge from the eyes and nostrils and a slight redness around the eyes, with a swollen appearance. If this symptom is taken care of at once, a case of roup will generally be checked. If let run, the eyes will begin to swell and the bird begins to droop and refuse food. Frequently the bird opens its beak to breathe, which denotes a throat affection. A wheezing sound is emitted, and then one may know that roup is well developed.

After a fowl develops a well defined case of roup the best cure is applied with a sharp axe just back of the head. Then burn or bury the carcass. Rousy fowls may be cured, but a flock which is once seriously affected will prove unprofitable during the whole season.



PERSIATIC . . . Poultry Powder

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 leading 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. 900

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 ives 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.

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

Please mention this paper. Do not send stamps.

Rousy birds, even if cured, are dangerous to breed from; hence all the more reason to keep the flock healthy.

There are dozens of remedies for the cure of roup and colds. If taken in the early stages it generally yields readily to treatment. Shut the bird up in a light, dry, warm coop where there are no drafts. Give the fowl plenty of pure water and feed on easily digested food. Wash the face and eyes in warm water, to which has been added a little Listerine or carbolic acid. Keep the nostrils clean, and give a one-grain quinine pill two or three times a day. A mixture of equal parts of ammonia,

glycerine and turpentine has proven very effective. Apply this around the nostrils with a camel's hair brush or a feather.

Fowls out of condition, over fed, or over fat contract disease much more readily than those in perfect health. Many times a rousy fowl is found to be a fat one. If fowls are let run free they can be given a liberal amount of food; the exercise will work it off and prevent fattening. If your houses are kept clean and free from lice and your fowls are given plenty of fresh air without drafts, there will be but little sickness and the dreaded roup will be unknown.—E.C.P., in The Fanciers' Review.

BRANTFORD SHOW.

It might be interesting to the readers of your valuable journal to know that Brantford will hold its third annual winter exhibition on January 19th to 23rd, as advertised elsewhere in this journal. We have every reason to believe that we will have one of the largest exhibitions ever held in Western Ontario. Our past experience has been most gratifying to us; and we feel assured that our numerous patrons have been well pleased with the manner in which they were treated at our hands. We have always been able to pay 100 cents on the dollar, and pay off all prize monies while the exhibition was in progress, and at the close of each year have had a nice cash bal-

ance to our credit. Our first show was held in 1898. We received upwards of 600 entries, and in 1899 upwards of 900 entries; and every effort is being put forth to make this our "banner year," and we shall be much disappointed if our list of entries does not number 1,500 and upwards. We have made numerous additions to our prize list: almost every breed recognized by the American standard of excellence is to be found on our list. Our list of fancy pigeons comprises all the leading and popular varieties. All entries are in single birds. The Pet Stock Department has not been overlooked, prizes being offered on cats, guinea pigs, rabbits, etc.

THE JUDGE—ALL BIRDS SCORED.
We have always made a specialty

The Diseases of Poultry.

By D.E. SALMON, D.V.M.

A 250 page book fully illustrated. Treats of diseases of all kinds, fully and plainly

PRICE FIFTY CENTS. FREE BY MAIL.

ADDRESS,

H. B. DONOVAN, TORONTO.

of securing a good judge, believing this to be one of the leading drawing cards of an exhibition. We have been fortunate in securing a judge from whom we expect every satisfaction, as his past reputation should be of sufficient guarantee. All birds will be scored, although numerous articles have been written on the subject of scoring and comparison judging, our society has adopted the former, believing that better satisfaction can be attained. There are at least one or two arguments in favor of the score card. 1st. It enables every exhibitor to know just where his birds stand, and this alone should be a great educator to the veteran as well as to the novice. Not alone is it valuable in this respect, but it is also of endless value to the advertiser who can advertise stock or eggs for sale from birds scoring so many points, when if the score card was not in use it means that only the successful exhibitors receive any encouragement or reputation, and are able to advertise their stock on the merits of their winnings, when possibly less than a point may only exist between a prize winner and his successful competitors. I have seen on more than one occasion several grand birds in many classes, but as only a first and second prize were offered many had to be contented

WHAT IS GERMODORSIDE?

It is a powerful disinfectant and the best cure yet formulated for cholera, colds, roup, canker, etc.—a scientific success.

Non-poisonous, Odorless, Tasteless, Cheap,
administered in drinking water. No handling of fowl, unless in severe cases.
The coming Toronto Poultry Show will be disinfected with GERMODORSIDE.

Opinions of Experts:

MESSRS. G. J. LOVELL & Co.

Toronto, March 13th, 1898.

DEAR SIRS,—

I had last fall about twenty head of poultry suffering from distemper and roup. These were isolated and treated with your GERMODORSIDE. I am pleased to be able to tell you that the entire lot entirely recovered. I think it is a good remedy when faithfully applied and the directions followed. Yours truly,

(Signed) THOS. A. DUFF.

MESSRS. G. J. LOVELL & Co.

Toronto, Nov. 14th, 1899.

GENTLEMEN,—

We have thoroughly tested your preparation, GERMODORSIDE, and found it satisfactory in every respect. Would recommend it to brother poultrymen.

SPRY & MICK, 320 Lisgar St., Toronto.

NO ROOM FOR MORE TESTIMONIALS HERE. SEND FOR CIRCULAR.

Put up in 10c., 25c. and 50c. bottles. Try it. Agents wanted throughout Canada.

Can be had from Simmers' seed store and other leading dealers in Toronto, or from manufacturers.

G. J. LOVELL & CO., 240 ST. CLAIR AVE., CARLTON WEST, ONT.

A. P. MUTCHMOR,

R. E. MCKINSTRY

OTTAWA Poultry Yards Pigeon Lofts.

Importers and breeders of High-Class Exhibition Poultry, Turkeys, Geese, Ducks, and Pigeons. Birds for sale at all times and Eggs in season.

OFFICE: 162 Sparks Street. - - YARDS: Centre Street, Ottawa

Send for Catalogue. Look up our record at the shows. All varieties of Cochins and Cochin Bantams, Games and Game Bantams, Leghorns, Hamburgs, Minorcas, Plymouth Rocks, Polish and Andulansians, Indian Game, S. G. Dorkings, and Ornamental Bantams.

PIGEONS—English and African Owls, Dragoons, Carriers, Barbs, Swallows, Magpies, Nuns, Archangels, Tumblers and Pouters. 1299

One Thousand New Standards. FREE

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

To any one sending us five new subscribers with \$2.50, we will send free by mail a copy of the new Standard, the regular price of which is one dollar, and they cannot be bought for less. You cannot earn a dollar more easily or pleasantly. All can avail themselves of this offer without further authority. We have said plainly what we are prepared to do. Samples of REVIEW to show your friends will be sent free on application. Cash MUST accompany all orders, and we cannot accept renewals at this special rate. Address

Canadian Poultry Review, Toronto.

Poultry Portraits

No. 1—ENGLISH TYPES.

Elegantly printed on Special Chromo Paper.

Size 9 x 12. Fit for framing. Contains:

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|-------------------------|---|
| 1. Indian Game Pullet | 7. Black Hamburg hen, "Perfection." |
| 2. Black Hamburg Cock. | 8. Buff Cochin Hen. |
| 3. Pair Frizzle Bantams | 9. Silver Wyandotte Pullet |
| 4. A Group of Bantams | 10. Black Minorca Pullet. |
| 5. Embden Gander | 11. Single Comb Black Orpington Cockerel. |
| 6. Pair Pekin Ducks | 12. Champion Black Langshan Cock. |

Price 25 cents for the set of 12, free by mail, or sent free for two subscriptions to REVIEW.

Address H. B. DONOVAN, Publisher, - 124 Victoria St., Toronto.



Single-comb Brown Leghorns, White and Buff Wyandottes, Houdans, Rose-comb White and Brown Leghorns, and Buff Plymouth Rocks. The largest stock of the above varieties owned in this country, and the records will substantiate the claim of SUPERIORITY AS TO QUALITY—not records made at the county fairs, but records made in the strongest competition at the greatest American shows—New York, Boston and Washington—where, in the past five years, my stock has been awarded 186 first, 60 gold specials, 18 silver medals, and 6 silver cups. The line of blood I am breeding and exhibiting has produced, and is 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.

GUERNSEY CATTLE.

SCOTCH COLLIES AND FOX TERRIERS.

JAMES FORSYTH, Riverside Farm,
Owego, Tioga County, N.Y.

Lock box No. 11.

BERNER'S

BUFF = LEGHORNS.

My Record at the Principal Shows

1897—12 firsts, 5 seconds, 3 thirds, Silver Cup and other specials at Cleveland, Ohio, Toronto, London, Ottawa and Woodbridge.

1898—7 firsts, 4 seconds, 4 thirds at Toronto and Ottawa.

1899—9 firsts, 4 seconds, 3 thirds, and specials at the great Ontario, Industrial, Toronto and London, winning 3 firsts at each show.

Stock for sale. Owing to lack of time I will not show this winter. If you want winners I have them at reasonable prices.

G. BERNER,

800

367 Shaw St., TORONTO.

BARRED PLYMOUTH ROCKS.

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

Settings: 13 eggs, \$3.

Buff Rocks, choice 13 eggs, \$3.

Address R. F. HOLTHERMAN, Editor "Canadian Bee Journal," Brantford, Ont.

BRANTFORD POULTRY, PIGEON & PET STOCK ASSOCIATION **EXHIBITION**
..Third Annual..

JAN. 19-20-22-23, 1900

Competition open to the world, all birds will be scored. Liberal Cash Prizes and a large list of valuable specials offered on all the leading varieties of Land and Water Fowls, Pigeons and Pet Stock.

ALL ENTRIES IN SINGLE BIRDS

Prize money will be paid January 23rd before you leave for home. The services of two competent judges have been secured, one for Fowls and one for Pigeons and Pet Stock.

“ A FAIR FIELD AND NO FAVORS.”

Write the secretary for Prize List ready Dec. 1st 1899.

Entries positively close Jan. 17th 1900

MR. GEO. H. NORTHUP, Raceville, N.Y., will judge the fowl.

J. C. MONTGOMERY,

President.

W. W. TELFER,

Secretary.

with their lot by comparison judging.

2nd. I believe that the score card system tends to increase the number of entries at our shows. A great many new beginners will show their birds for the purpose of having them scored, and are content with the score card, to be able to compare their cards with the prize winners in order that they may know in what points their birds are defective. In speaking of the score card as I do I want it understood that I am assuming it is in the hands of competent judges—and not abused, as I fear it too often has been—hence the disregard many have for it. It seems to me the day will come when the score card will be a uni-

versal thing at all poultry shows and that judges will be required to be fully qualified before they will receive any engagements to perform the work. “What is worth doing at all is worth doing well.” In conclusion I will say : Brantford extends a cordial invitation to the poultry fraternity to have their birds out in full force at our exhibition: every attention will be extended to our visitors. Remember our motto—“A fair field and no favors.”

Thanking you for trespassing to such a length on your valuable space, I am,

Fraternally yours,

J. C. MONTGOMERY.

President Brantford Poultry, Pigeon and Pet Stock Association.

BLACK MINORCAS FOR SALE

Five Cocks, (two Imported)
 Seventeen Hens, (five Imported)
 Seven Cockerels
 Twenty-two Pullets

Most of these birds are now fit to show. I will sell the entire collection cheap.

R. DURSTON,

42 Austin Ave.. - TORONTO.

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.

Bicknell's Rubber Bands.



Easily put on. Don't come off.

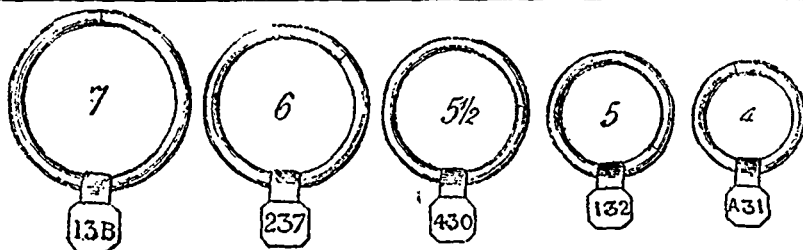
Prices:

Nos. A. 1, 50c. per doz., and
Nos. 2 and 3, 40c. per dozen.

METAL LEG BANDS

STAY ON . . .
REQUIRE . . .

No Tools.
No cuss
words.
No Time.



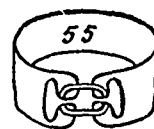
INSTRUCTIONS—To fasten the Marker on the bird's leg, push it to one side and close it in the same manner.
Do not open the ring by pulling it straight out.

Special Numbers or Letters to order

:-:- :-

Price per Dozen, any size, 40 cents.

The "PEERLESS" LEG BAND

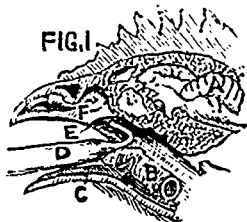


Made of Aluminum. Is Bright. Stays Bright.

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

POULTRY Punches or Markers

Small size for Chicks and Bantams, large size for large fowl.
30c. each, 60c. pair, free by mail.

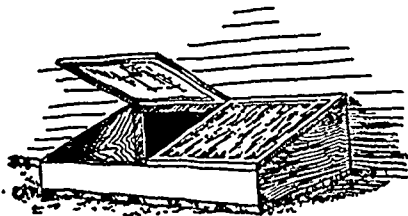


Roup or Poultry Syringe, 15c. each. Free by mail.

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

COOP AND HOTBED.

THE cut shows a hotbed that is built against the south side of the poultry house, serving all through the winter as a sunny scratching place for the fowls. These are shut out at the approach of spring and the



hotbed started. About the time the plants are started the fowls will be getting out upon the ground, while all through the deep snows of winter they will have an exceedingly sunny place to run in. Make the hotbed large enough to give sufficient scratching space. The room can well be utilized with early plants in the spring.

HANOVER DROPS OUT FOR THIS YEAR.

Editor Review:

AT a meeting of the Hanover Pet Stock and Poultry Association it was decided to postpone the show for another year when we will be better acquainted as to how they are managed. Kindly insert in your next issue and oblige.

Yours, etc.,

H.G. KIRCHNER, Secretary.

LONDON TO THE FRONT.

Editor Review:

ITHOUGHT I would write and let you know how our Association was getting along in the shape of specials for the "Ontario." Our

worthy Secretary, Mr. Oke, will send to-morrow to Peterborough \$100 in specials. Is there any other Association can touch that? If there is just let us know through the Canadian Poultry Review,

Yours truly,
WM. McNEIL.

London, Nov. 22, 1899.

FROM INGERSOLL.

Our show is now in first-class shape, and every person is taking a great interest in our coming exhibition. We should have the birds here, as we have ninety classes, young and old, and besides, consider the judge, Sharp Butterfield. Many people ask us how we can afford to engage a man like him, and we all say that everything must be the best for Ingersoll. Cannot you all come and see us, and visit the best little show in Ontario?

Our show is held in the town hall, which is well lighted and heated; also convenient to the best hotels. Every person come, and send a few birds; we will look after them whether owners come or not. Send for a prize list to-day.

S. A. GIBSON, Sec.

Ingersoll.

Changes of advertisements should reach us not later than the 15th of each month to receive proper attention, and we cannot guarantee insertion after this date. New ads. we can use up to the 20th, sometimes later.

WANTED.—Agents and correspondents in Manitoba, N.W.T., British Columbia, Nova Scotia, etc., as well as in Ontario and Quebec. We do not hear enough from the distant provinces.

PETERBORO' SAYS IT WILL REDEEM ALL PROMISES.

Editor Review:

AT this time I am very busy getting copy ready for printing prize list, which will be out before the December Review gets into the hands of its many readers.

Our Board are making every exertion to make the coming "Ontario" a success, and to redeem the promises made by us at the last annual meeting and by the President of the "Ontario" at the meeting in Toronto this fall. We expect a very large entry, and are going to be prepared to receive them when they arrive; and we invite all exhibitors, fanciers and the general public to Peterboro' at the time of the twenty-sixth annual exhibition of the Ontario Poultry Association.

Yours fraternally,

WM. COLLINS, Sec.

Peterboro', Nov. 13, 1899.

WINTER SHOW DATES.

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

Guelph.....	Dec. 6, 7, 8
Hamilton.....	Dec. 13, 14, 15, 16.
Ingersoll.....	Dec. 13, 14, 15.
Toronto.....	Dec. 19, 20, 21 and 22.
Petrolia.....	Dec. 26, 27, 28 and 29.
Stratford	Dec. 26 to 30.
The Ontario, Peterboro'.....	Jan. 8 to 12.
Owen Sound.....	Jan. 16 to 19.
Montreal	Jan. 17 to 22.
Galt	Jan. 2, 3, 4.
Brantford.....	Jan. 18, 19, 20 and 22.
Eastern Ontario, Ottawa.....	Jan. 2, 3, to 27
Huron.....	Jan. 30, 31, Feb. 1 and 2.

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

This is the time to renew. Do it to-day; don't miss a number.

HAMILTON and County of Wentworth

Poultry, Pigeon and
Pet Stock Association

... WILL HOLD THEIR ...



TENTH ANNUAL EXHIBITION

Bigger than Ever, and
Open to the World.

December 13 to 16, '99

L. G. JARVIS and CHAS. F. WAGNER, Judges.
Write for Prize Lists. \$100 worth of Special Trophy Cups.
Entries Close Saturday, December 9th.

C. G. HENDERSON, President. 1299 J PEART, Secretary,
30 Pine Street

GRAHAM'S GOLDEN WYANDOTTES AND WHITE LECHORNS

Are as good as the best and better than most. Some good ones for sale now, old and young. Also for sale cheap, 3 white Wyandotte hens and 1 black Langshan hen. The latter a beauty.

A. W. GRAHAM,
Nurseryman, St. Thomas, 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.

MEETING OF WHITE PLYMOUTH ROCK CLUB.

Editor Review:

SHOULD like through Review to call the attention of white Plymouth Rock breeders of Canada to the annual meeting of the Am. W. P. R. Club to be held at Toronto during the coming winter show.

It will take place in the poultry show building at 2 p.m., Thursday, December 21, 1899. Not only present members but all those interested in this variety should make it a point to attend and they shall be gladly welcomed and urged to join the ranks of the largest and most successful specialty club in existence. We should start the New Year with five hundred members and we can do it if members will put their shoulders to the wheel and push altogether.

There are a number of interesting matters to bring before the members, especially along the line of making the club a more powerful factor in Canadian circles.

I must not take more of your valuable space, but again urging a full attendance and wishing Toronto winter show every success, I remain, Yours truly,

G. J. LOVELL.

Canadian member of Advisory Board, American White Plymouth Rock Club.

Carleton West, Nov. 25, 1899.

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 Bantam Fowl for sale at all times, and eggs in season.

A MANITOBA POULTRY HOUSE.

THROUGH the courtesy of The Nor'-West Farmer we have much pleasure in presenting our readers with the plans of the new poultry house erected this summer by W. F. Crosbie, of Manitou, Man. Mr. Crosbie has made a close study of poultry buildings with a view to getting the most serviceable style of building at the least cost, yet providing necessary room with the required degree of warmth needed for successful winter poultry keeping without artificial heat. The details of his plans will therefore be of interest to our numerous readers.

The building is 40 x 16 feet, set with the long side to the south on a stone foundation. The studding on the south side is 14 feet high, and only 8 feet on the north side. The studding is 2 x 4, set 2 feet apart. On the outside of the studding there is half-inch lumber, tar paper and then fir siding. On the inside of the studding, half-inch lumber, then tar paper put on up and down, well lapped and stretched tight, and on top of this again half-inch lumber. Second studding, 2 x 2, was then set up end on this half-inch lumber, paper, and flooring for inside finish were put on. This makes quite an expensive wall, but it should make a warm building. The flooring of the building is a double layer of inch lumber with paper between. Joists cross the building so as to give a ceiling 6 feet 8 inches clear of the floor. The ceiling is matched lumber. The space above is used as a store-room for coops, straw, feed and chaff for winter

scratching. This is put in from the west end, through a door opening outwards, 2 feet 8 in. wide by 3 feet high. The loft is also reached from the feed room by a ladder and trap door.

The inside of the building is divided into five compartments, four pens, 8 x 12, and a feed room. The division between the feed room and the pens is of matched lumber running to the ceiling. Through it a doorway opens into the feed passage, which is 3 feet wide, and runs the length of the building,



A MANITOBA POULTRY HOUSE.

The pens open off this passage by doors, 2 feet wide, in the west corner of each pen. The door is a light one, just a frame work of 2½ in. x 1½ in. stuff, over which wire netting is stretched. It is hung with cheap strap hinges and opens into the pens to the right. The pens are divided by a specially woven poultry wire.

The roosts are placed on a platform, as shown in the accompanying plan, 5 x 6 feet and 2 feet 8 inches above the floor. The roosts are 1½ x 3 in. laid flat, with round-

ed edges, on 10 inch uprights. The platforms are cleaned with a hoe from the passage-way. In order to explain how this is done it will be necessary to outline the construction of the pens in the passage way. An inch board is nailed to the two division uprights (2 x 4) 3 and a half feet from the floor. Hung to this by light strap hinges is a half-inch board 8 in. wide; by raising this board the platforms can be easily cleaned into a wheelbarrow. Below this hinged board is nailed a strap 2 in wide by 1 in.,

on which is hung another board, 8 in. wide, through which we gather the eggs. Underneath the platform and next to the passage way the nests are placed. They are raised up 15 inches from the floor and are square boxes with a board six inches wide in front for the hens to step on. Both egg-gathering and removing the droppings can be done from the passage-way. The rest of the partition along the passage-way is of woven wire. Both nests and platforms are moveable, and can be taken out and cleaned.

COME SEVENTEENTH ANNUAL SHOW, to be held at

JAN. 16, 17, 18 & 19

by the County of Grey Poultry and Pet Stock Association.

OWEN SOUND

This is one of the most successful shows in the Province. Entries close **Saturday, Jan. 13th.** L. G. Jarvis will score all birds not disqualified. For particulars see Prize List.

HARRY WRIGHT, Pres.

100

JOHN RAMSAY, Sec.

In the south wall there is a large window in the centre of each pen. Each window contains 12 lights, 10 x 12. The frames are solid to prevent any cold getting in between them, and slide up between the studding. The bottom of the window is 18 inches from

the roof to within 9 inches of the floor. pens, and they will also have their dust baths there in the summer time. A drinking fountain of galvanized iron is placed in each pen and fresh water supplied at least twice a day. Ventilation is provided for by means of two shafts, 8 x 8 inches, coming down from

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.

R. J. Taylor, the Polish breeder, has also bred white Rocks for many years and now adds them to his business announcement. (See change on back cover).

U. Bouneville, a breeder of many years standing takes up a sale ad. for a year under head of Various. He breeds several popular varieties.

Hamburgs are a specialty of W. Davidson and Sons, and their advertisement will be found for a year under this head. They also breed the universal barred Rocks and black Leghorns.

O. Rolland is the agent in Canada for the well known Incubators and Brooders manufactured by the Des Moines Incubator Co. His full page advertisement will be found in the Incubator Dept., where he gives a description of these machines, and also a list of the full line of supplies he carries. Three cents will bring you a fully illustrated catalogue that will be worth a good deal to you. Write him.

T.A. Willits, the manufacturer of the Toronto Incubators and Brooders, makes it known that he is ready for business. This machine is favorably spoken of and a line to the maker will bring full description and prices.

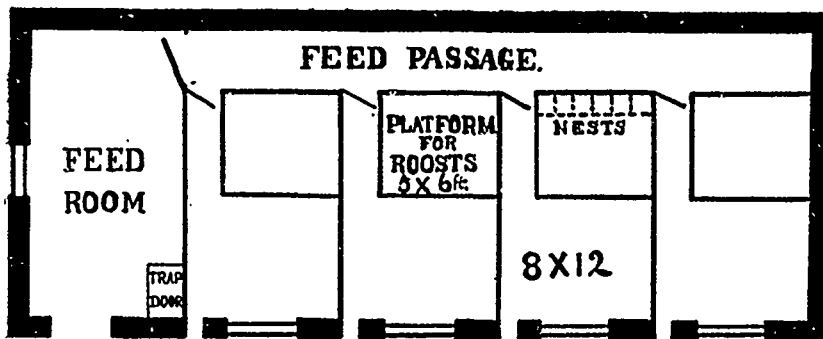
S. M. Clemo has a fine lot of black Minorcas still for sale at low prices, cockerels, pullets and hens.

Henderson and Billings have a lot of good stock for sale in their breeds. Look up their new advertisement.

R. Durston, offers his entire stock of black Minorcas for sale, as a whole or separate. He has well known winners among them.

Fred H. Bender, Quebec, should suit many eastern buyers especially. He has white and barred Rocks, turkeys and bantams, and has done considerable winning. He has a lot of good, young stock for sale, also yearlings. Write him.

L. H. Baldwin, white Dots and Leghorns, offers a novelty in pure bred chicks when hatched at 25c each. He has space in incubator to rent at 5c. per egg.



PLAN OF MANITOBA POULTRY HOUSE.

pen. Each window contains 12 lights provided. The entrance or exit for chickens is 10 x 12 inches, situated in the southwest corner of each pen. Double doors are provided for each. Yards 60 feet deep have been made in connection with each pen by using the same kind of wire that is used for the inside divisions, it is 3 feet high and stretched on cedar posts. It is the intention to have green feed growing for young chickens in these

the roof to within 9 inches of the floor.

Mr. Crosbie has now about 300 young chickens; of these he will winter about 100 head. The rest he will sell either to breeders or for table purposes. They are all pure bred, barred Plymouth Rocks of Sid. Conger's strain and white Rocks of Fishel's strain.

This is our growing time, grow with us.

MONTREAL POULTRY ASSOCIATION

A. J. Dawes, Esq.,
President.

ANNUAL SHOW WILL BE HELD IN MONTREAL
JAN. 17th to 22nd, 1900.

Wm. Cox, Sr.,
Superintendent.

G. C. Philpot, Esq.,
Asst. Supt.

ENTRIES CLOSE JAN. 10.

Sharp Butterfield, Poultry Judge. Liberal Prizes, and large list of Specials.
Large show room, well heated and lighted. Prize lists mailed promptly.

J. P. CULLEN, SEC.-TREAS., 214 St. James St., Montreal.

100

J. W. Kedwell wants to dispose of all his Bantams, and has a nice lot of several breeds. Write him for full particulars or see him during Petrolca show.

Berner will not show his buff Leghorns this winter, so winners may be had from him. He gives his record for the past three years.

R. H. Essex, as we announced last month, has left Canada, and is desirous of disposing of all his famous buff Rocks, either in one lot or as may be desired. There are some winners amongst them. See his new advertisement on back cover.

"White Rocks, exclusively," says J. F. N. Kennedy's new advertisement. He has twenty-five nice young birds for sale at reasonable prices. Send for a catalogue.

H. F. Becker is a new claimant for business. He breeds brown Leghorns and white Rocks, and has Prize bred stock for sale. His advertisement is on back cover.

W. J. Gordon is a specialist in white Wyandottes, and endeavors to combine utility with high fancy points. He has some nice ones for sale. Advertisement on back cover.

The Spramotor can be used for spraying trees and bushes, whitewashing henhouses, etc. Send for circulars.

W.A. Wilson has to dispose of two of his varieties and will give bargains considering quality. It will pay you to look up his new advertisement and correspond with him.

Barred Rocks—Askin Poultry Yards. See their new advertisement.

Ottawa Poultry Yards and Pigeon Lofts give a list of the varieties they breed and say to send for a catalogue. Look up their record.

Spry and Mick's "old gold strain" buff Leghorns. They have some grand young stock to dispose of.

What is Germoderside? It is fully explained in G. J. Lovell & Co.'s new advertisement. Non-poisonous, odorless, tasteless and cheap. Send for a circular.

T. B. Jones offers a lot of stock for sale at low prices

Elias Snyder is a barred Rock specialist, and has choice young stock for sale now and eggs in season. His advertisement will be found on back cover.

Samuel Cushman is on top with geese and

Whole Island Reds, both thoroughly practical His two advertisements will give you further information. Circulars and price list free. He wants to sell now.

The "Safety Incubator" is a standard machine, now well known. The testimonials published are from live men who know what they are writing of. Specially low rates quoted on December. Write J. P. Cullen for circular, etc.

\$5.00 Incubators are advertised by the Canadian Poultry Raisers Supply Co., also goods and appliances of all kinds. Send for a circular.

DOES ADVERTISING IN THE REVIEW PAY?

ASK ANY OF THE GENTLEMEN WHOSE NAMES ARE APPENDED.

"With the two 25c. advertisements we had in October we sent birds as far as Quebec and Brandon. Last week we sold \$20.00, all through the two advertisements. Your paper reaches every one."

Yours truly
HENDERSON & BILLINGS.

St. Mary's, Nov. 20, '99.
"I have had a very good season, have raised a lot of fine birds and have made quite a number of sales, thanks to The Review."
THOS. McMULLEN.

London, Nov. 14, '99.

"Your postal to hand, for which I thank you. I had intended changing advertisement before this but pressure of office work has put the matter out of mind. I enclose something that will do for next issue and by that time I will have something fresh.

Permit me to add my little testimonial and thanks to The Review as an advertising medium. All that I advertised to exchange are disposed of, and it is surprising to see the large tract of country that The Review must cover in order to bring the enquiries that came to me. They are still coming every day, and the latest is from Racine, Wisconsin. I might add that in connection with my regular business, I spend from six to seven hundred dollars annually in advertising and have never had it brought to my notice so forcibly that 'advertising really pays.' The Review has made rather a convert of me on the question of advertising and my only fear is that in the future I might be considered "an easy mark" for any solicitor of advertisements.

A. P. MUTCHMOR.

Ottawa, Nov. 9, 1899.
Mr. Mutchmor's business is that of an accountant and assignee and gentlemen of his profession are not in the habit of throwing their money away on what does not pay them. Note dates—no old timers.



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

Enquiries not of a business nature must be accompanied by a two cent stamp for reply.

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

CANADIAN POULTRY REVIEW

IS PUBLISHED AT
TORONTO, ONTARIO, CANADA,
BY H. 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
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Half Page	15 00	25 00	40 00
One Column	12 00	20 00	35 00
Half Column	8 00	15 00	25 00
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One Inch	3 00	5 00	8 00

Breeders' Directory, 1½ inches, 1 year, \$5, half year \$3, 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. E. DONOVAN,
124 Victoria Street, Toronto, Ont.

FOR SALE OR EXCHANGE.

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 ending 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. 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 \$5. They are indispensable to those who wish to retain their copies neat and clean. H. B. Donovan, Toronto.

Brahmas.

Sherwood's Light Brahmas at Toronto, Fergus and Guelph single bird shows, won on 18 entries, 5 firsts, 7 seconds and 3 thirds, some elegant big cockerels, prize winners, for sale reasonably. Sherwood Bros., Fergus, Ont. 1299

Bantams.

Buff Cochlin Bantams—Exclusively winners at leading shows—over 50 solid buff little gems for sale—breeding or exhibition birds—eggs, \$3.00 per 13 in season—satisfaction guaranteed, address, L. L. Lucas, Oil City, Pa. 10

For Sale—One black African cock and two cockerels at \$2.00 each, six white cochlin cockerels at \$1.50 each, 1 trio of buff Cochlin Bantams, \$1.00 or will exchange for 11 trio of silver Sebrights. Brantford Bantam Yards, 7 Niagara St., Brantford.

Bantams—Golden and silver Sebright and black African Bantams, also pair choice light Brahma pullets. Wm. Stuart, Goldie's Mills, Guelph.

Golden Sebrights—Entire breeding stock, including one cock (McNeil) \$2.00. Hens, pullets, cockerels, \$3.00 to \$3.50 a pair. All well faced birds. J. R. Young, Ryckman's Corners, near Hamilton, Ont.

Bantams for Sale—Black tailed Japanese, golden and silver Sebrights, black, buff, and white Pekins, and white Polish. Satisfaction guaranteed. Bert Hicks, Woodstock, Ont.

A Few Good silver and golden Sebrights cheap. Must be sold. Won seven prizes out of seven entries at Guelph this year. Satisfaction guaranteed. A. & T. Readwin, Guelph, Ont.

Game Bantams—My stock is finer than ever some stylish little birds in black-red. Duckwing and Pyle, winners at the leading shows. F. M. Wolfe, Galt, Ont.

High Scoring Bantams for Sale—One pair of silver Sebrights A.1 birds, scored 95.12 and 95.11 by Butterfield also two cockerels from the same. These birds are in good show condition. Do you want them? S. A. Gibson, Ingersol, Ont.

Cochins.

Buff Cochins Exclusively—Winners at Toronto, London, and Ottawa. A few grand birds that can win in any company for sale at reasonable prices. Satisfaction guaranteed or money refunded. C. A. Stewart, London, Ont. 200

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, \$1 each.

Cages Japanese—From 35c. Cages, brass, from 55c. 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 or my best imported bitch, 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.

Fox Terrier dog (registered), very game, splendid hunter, excellent dog for any poultryman, good show dog, white with evenly marked black and tan head, and also some ferrets. Geo. Downham, Wisbeach, Ont.

Ferrets.

For Sale I have some nice healthy young ferrets, very small stock, that I will sell cheap if taken at once. H. McCallum, Box 111, Simcoe, Ont.

Game.

For Sale A few good tested pit Game cocks, which will win or die. W. M. Anderson, Box 55, Palmerston, Ont.

For Sale—Exhibition Games and Game Bantams, B.B. red and Pyles. I have a lot of grand young birds at reasonable prices, which are bred from the best imported stock. A. J. Grigg, Jeweller, Clinton, Ont. 100

Close Bros., importers and breeders of high-class exhibition Game and Game Bantams, Rouen and Aylesbury Ducks. Birds for sale at all times. Eggs in season. Stamp for reply. Mitchell, Ont. 200

Games at Starvation Prices—Irish black Reds, Tornados, Irish and Mexican Gray, Heathwoods, Cornish Indians and Rouen Ducks, circular free. C. D. Smith, Fort Plain, N.Y. 100

For Sale—Having bought out W. J. James, stock of B.H.B. Games, and having more than I require will dispose of one dozen hens and also a number of young stock, at reasonable prices. J. W. Roberts, St. Thomas. 1299

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. Bienenheim, Ont. 700

B. B. Red Games—Imported stock only. 1st and 3rd cock, 1st cockerel, Toronto. 1st and 3rd cock, 1st and 3rd cockerel, 1st and 3rd hen, London. Stock for sale. Walter H. Butler, London.

For Sale—Six Cornish Indian Game chicks all fine birds, just the thing for the winter shows. J. M. Fawcett, Strathroy, Ont.

Hamburgs.

I will sell cheap or exchange for good double-barrel breech-loading shot-gun, or Winchester or Marlin Repeating Rifle, 32 or 38, five black pullets and cockerel, and three silver pencilled pullets, one cockerel. All of the finest. Write offers to F. C. Stone, Prescott, Ont.

Trio Black Hamburgs for Sale—Cockerel and two pullets, Oke's strain. Six months old. Price \$10.00. Must be sold immediately to make room. E. F. Murphy, Ottawa, Ont.

For Sale—S. spangled and black Hamburgs, barred Rocks and black Leghorns, winners at Weston and Woodbridge Fairs. Write for prices to W. Davidson & Sons, Lambton Mills, Ont. 1100

Houdans.

Houdans—We won all the firsts at Brantford in Houdans. Young stock for sale. Prices right. Write for what you want. W. Elwood Pollock, Norwich, Ont.

Langshans.

Langshans for Sale—See REVIEW for prizes won at Toronto and London. On eight entries at London won eight prizes. H. McCurdy 170 Oxford St., London. 290

For Sale—Black and white Langshans, barred Rocks, white Wyandottes, white Cochlin Bantams, Pekin Ducks. This is first-class stock, none better. See REVIEW for prizes won. H. Karn, Guelph, Ont. 1298

Seven large & 10 young, shining, black Langshans; five pullets (about ready to lay), and two cockerels, the first \$10.00 takes them. L. H. Davis, Fort Jefferson, N.Y. 1299

Leghorns.

Geo. E. Lee, Highgate, Ont., breeder of the "Royal strain" of white Leghorns exclusively. Some choice exhibition and breeding birds for sale, reasonable. 200

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 at \$2.00 per setting. Geo. Brierty, P.O. Box 257, Guelph, Ont. 1299

Maple Leaf Stock Farm, J. C. Dietrich, Prop. If you want some of the best black Leghorns in America write us, we can supply your wants in cockerels, pullets, hens, pairs, trios or breeding pens, not related. Also some choice black Minorca cockerels and pullets cheap for quality. Address Wm. G. Lovell, Box 357, Galt, Ont. 100

Buff Leghorns for sale, prize winning stock. Write and get prices that will surprise you. Great laying strain. Satisfaction guaranteed. Jas. Brown, 24 Port St., Brantford.

If you want S. C. white Leghorns that will win write to John Ramsay, Box 149, Owen Sound, Ont.

Black Hamburgs—1st and 2nd prize cockerels and 1st pullet at Southern Fair for sale on full exchange for H. C. W. Leghorn pullets or white Cochins Bantams. F. Broome, 2 Eagle Ave., Brantford.

Buff Leghorns—Cockerels, pullets and hens Grand prize winning stock for sale cheap to make room. \$1 and \$1.50 each. Also pair duck-wing Bantams. Chas. Rice, Bowmanville, Ont.

Grand White Leghorns, all bred from 1st winners at New York, Chicago, Toronto and Ontario regardless of cost. If you want winners for any show in America I can supply them. I am doing it every year. I do not exhibit. W. E. Hoggarth, Cromarty, Ont.

Leghorns—Imported 2nd home stock for sale, in S. C. B. Leghorns. Prices right, and stock right. W. Elwood Pollock, Norwich, Ont.

Brown Leghorn Cockerels—1st at Guelph. have nothing but about 20 elegant cockerels grandly striped in saddles and hackle, closing out this breed, also 6 choice 'Howell' pullet breeding cockerels. Sherwood Bros., Fergus, Ont. 1297

\$3.50 per Trio—2 trios buff and 1 of S. C. white Leghorns. Good birds. Bred from prize winners. S. N. Graham, 566 Princess St., Kingston, Ont.

Leghorns for Sale—Brown and buff, \$7 to choose from. Elegant show birds from \$1, up. I have taken the lion's share in prizes this year wherever I exhibited. Satisfaction guaranteed. Don't write unless you mean business and expect good value for your money. W. J. Powell, Huron St., Galt, Ont.

Buff Leghorns—At Ottawa won three firsts and a third on four entries, and at London a first, three seconds and a third. All these winners at a bargain. Geo. W. Miller, 31 Ashin St., London.

Minorcas.

Imported Black Minorcas—A few choice cockerels and pullets from my imported pen (Abbott and Shell and Morgan strains). Satisfaction guaranteed or money refunded. C. A. Mayhew, Thamesville, Ont.

A fine lot of black Minorcas from A. I. strain (April and May hatch) Pullets laying, \$2 each or \$5 a trio. A bargain in long distance homers, (selling out). A. F. Banks, Royal Insurance Co., Toronto.

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

For Sale—Thirty white Minorcas (all strains), cockerels, hens, pullets and one cock (93%), some prize winners at leading shows. Satisfaction guaranteed. Prices extra cheap. Want Bantams. Alvin Bricker, Listowel, Ont.

Orpingtons.

For Sale—Buff Orpingtons. A few choice cockerels from imported stock. W. L. Crawford, Union Bank of Canada, Quebec.

Pet Stock.

Bargains in Rabbits—three pair old Angora Rabbits, \$1.50 pair, 3 pair half grown Angoras, \$1.00 pair; Himalayan Rabbits in pairs or odd does \$1.00 each; young Belgian Hares, 75c pair. Abyssinian and smooth coated Guinea Pigs, \$1.00 pair. Exchange for Polands, buff Bantams. G. W. Nahrgang, Palmerston, Ont.

Himalayan Rabbits—A few pairs left of my selected stock, 4 months old. To clear them quick, \$1.00 per pair. J. Richardson, Box 733, Chatham, Ont.

For Sale—A number of very fine imported Angora kittens from four months old up, also one old male. W. M. Anderson, Palmerston, Ont.

Pheasants.

Two Hundred Pheasants for sale. Ten varieties. Crowded for room Canadian Pheasantry, Hamilt on, Ont. 10

Pigeons.

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

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

Jacobins, Pouters, White Fans—One hundred grandly bred birds for disposal at lowest prices for quality ever offered. Also a few pairs good black Magpies. Sure winners. Chas. Blassie, Box 202, Port Hope, Ont. 260

Prize Winners For Sale—I must part with the following much below their value. Pair black Owls \$4.00, pair Blondinettes \$5.00; pair Satinettes and one odd cock \$6.00; twelve Magpies, black, red and yellow, the lot for \$15.00; Swallows, five blacks, two yellows, two reds, five blues, fourteen birds for \$30.00, not half their cost to me; fair blue Owl cock \$2.00; two grand yellow Turbit cocks \$3.00 each; two pairs long face black Tumblers \$2.00 pair. Any on approval where money is deposited and express paid. H. B. Donovan, Toronto

Fancy Pigeons for Sale—Pouters, Trumpeters, Barbs, Dragons, Jacobins, Carriers, Fantails, Owls, Turbits, Blondinettes, Satinettes, Magpies, inside and outside Tumblers, also Fancian Guinea Pigs. Satisfaction guaranteed. Bert Hicks, Woodstock

Pouters—For the last five years we have won nearly all the prizes in Pouters at the Ontario, Stock and exhibition birds for sale at reasonable prices. Magill and Glidden, Port Hope, Ont.

For Sale—Pair black Barbs, \$2.75; pair Pouters, \$1.50; pair black Jacobins, \$3.75; pair white Fantails, \$1.50; 2 pair Dragons, 2 pair Trumpeters, \$1; pair black Tumblers, \$1.25; 2 pair black Fantails, \$1.50. All grand stock. Write your wants. G. W. Nahrgang, Palmerston, Ont.

For Sale 2 pairs white Jacobins, 3 pairs white African Owl, 1 pair Archangels, 3 pair Dunn Dragons, 1 pair white Pigny Pouters, clean leg, 1 pair red wing Swallows, 1 pair blue wing Swallows, 2 pair Satinettes. All @ \$3.00 per pair. One pair white Pouters, \$3.00; 1 pair Dunn Carriers, \$10; 1 pair black Carriers, \$7; 1 pair Silver Owls, \$2.50. W. M. Anderson, Box 55, Palmerston, Ont.

Plymouth Rocks.

Buff Plymouth Rocks from grand stock will be sold cheap before cold weather sets in as I have only limited quarters. No old stock for sale. John A. Noble, Norval, Ont.

For Sale—Twenty-five barred Rock cockerels at a low price to clear, out stock. Also one cock and four hens, buff Brahmas, at a bargain. J. W. Porcous Galt.

White Rocks For Sale—Ten two year old hens, \$2 each; three exhibition cockerels, \$5 each; six exhibition cockerels, \$1 each; ten breeding cockerels, \$3 each. All young stock, well grown, and from cock scoring 94 1/4, and females, 93 to 93 3/4, scored and mated by Sharp Butterfield. G. A. Tonson, druggist, Ingersoll.

Poultry Appliances and Food.

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

Silica Poultry Grit is guaranteed absolutely free from scales of mica and contains silica, oxide of iron, lime and magnesia. No oyster shells necessary. Acknowledged by all poultry men to be the best digester in the market. In bags of 10 lbs. for \$1. Order from your dealer, or direct from us. Laurentian Sand and Gravel Co., 13 St. John St., Montreal. 200

100 Egg Size Toronto Incubator cost \$21 for \$12, "guaranteed to be in first class order." I want a larger machine. J. F. N. Kennedy, Cedar Grove, Ont.

Sale Or Exchange.

For Sale—Some fine S. L. Wyandotte cockerels and pullets, A. C. Hawkins strain, or will exchange for light Brahma or S. C. Leghorn cockerels must be A 1 birds. S. F. McComb, Palmerston, Ont

For Exchange—Smooth Fox Terrier Dog Richmond Jack, C. K. C. B., for five hens and a cock of some good breed of laying fowls, value not less than \$15.00. Cathcart Kennels, London.

Sale or Exchange—I offer my incubator and brooder in good order and ten of my light Brahma pullets for sale at a bargain, or will exchange for best offers in first class Games, Duckwings or Pyles. H. W. Partlo, Ingersoll, Ont. 100

For Sale—Some fine L. Brahmas B P Rocks, W. C. B. Polish brown Leghorns black Minorcas, Pit Games or exchange for Polands, Buff Bantams Pekin Drake. Must be good. G. W. Nahrgang, Palmerston, Ontario.

For Sale or Exchange—Golden Hamburgs, Cornish Indian games, want buff Rocks, white Wyandottes, silver and golden Sebright Bants, S. Hamburgs, Pekin Ducks. James Motheral, Plattsville, Ont.

For Sale or Exchange—One good breeding Cock B Minorca one year old and four hens, one S. S. Hamburg cock and five hens, one pair B. R. C. Bantams one cock, B. B. Stock. I will exchange for Brahmas, Wyandottes or Leghorns. Write for descriptions. (H. Jovet, 84 St. Catharine, town of Malsonneuve, Quebec.

Sale or Exchange—Pair R. C. Leghorns, pair black Cochins, B. B. E. Game Bants, pair buff Cochins females, Spanish, Brahma, brown Leghorns, wanted Polands, Hamburgs white Rocks, others. Jas. Spicer, Maynard, Ont.

For Sale—one cock, two hens three pullets, black Javas (no cockerel, two pullets, white Leghorns A. J. birds. One white Rock cock, one G. Wyandotte cock, want incubator about 100 egg capacity J. B. Woodhall, Theford, Ont.

300 Egg Meyer's Safety Incubator, in perfect condition, A 1 hatcher; or will take small incubator or buff Leghorns in part payment. R. T. Knight, Box 29, Guelph, Ont.

Exchange—Hand camera good as now, takes photo 3 1/4 x 4 1/4, cost eight dollars, for barred Rocks or light Brahmas or other. Must be good birds. Malcolm McD. Reid, Meaford, Ont.

Golden Wyandottes—Pair buff Leghorns (Berner), black, red and silver duckwing Bants, Canaries, want Bantams, Pigeons, Canaries or others, also Bantam cut. Alvin Bricker, Listowel, Ont

For Sale or Exchange—four white Java hens, one cock cheap, hens scored, 96 1-2, two 95-94 1-2, cock 52 1-2, will take barred Rock, cockerels, Embden geese, white Langshans. F. Webber, Detroit Park Farm, Coleman, Ont.

For Sale—White Wyandotte cock (imported weighs nine lbs., with three large yearling hens unrelated to cock. Also Silver Wyandotte cocker is, that will breed females with open centered backs. Barred Rock cockerels and pullets. McIlvaine's strain, whose strain of single matings have produced winners for more than twenty years, exchange for G. Duckwing game or two Langshan hens. G. Boque, Strathroy, Ont.

For Sale or Exchange—I have a fine lot of single comb white and S.C.B. Leghorn cockerels and some pullets, 1 pair silver Wyandottes, all good, took first for white Leghorns where I showed. Want incubator. 1 pair of good S. C. B. Leghorns. Perth Poultry Yards, Sam'l Dippel, Listowel, 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. Sample sent. Send for circulars and terms. Address H. B. Donovan, Toronto, Ont.

Wanted—A buyer for a fine prize S.C. brown Leghorn, Howells stock at \$1.25. W. S. Perrin, Newmarket, Ont.

Wanted, White Leghorn pullets, eight in number and one cock bird not related. Must be choice stock and from early hatching. Say your price. Address Dr. D. A. Bowley, Simcoe, Ont.

Various

Buff Cochins, White Rocks, Buff Pekins—Prize winners wherever shown 100 to choose from, satisfaction or money refunded, and express paid, buy now. C. J. Eisack, Guelph.

For Sale—S. C. W. Leghorn cockerels. Large vigorous stock. Unexcelled laying strain. Pekin Ducks (Balkan Strain) very large. Prices reasonable according to quality. R. C. Allan, Coburg, 300

For Sale—60 light and dark Brahma chicks, bred from prize winners also a few W.P. Rock cockerels, including 1st and 2nd prizes at Western Fair. Must be sold at once to make room. See REVIEW for prizes won. Chas. B. Gould, Box 365, Glencoe, Ont. 1299

Are you ready?—It is time to see if you don't need some new blood in the following: B.B. Game, buff Wyandottes, B.P. Rocks and golden Poland. Write for prices. Frederick Field, Coburg, Ont. 100

Home of the Bufts—200 gold nuggets. The best blood obtainable, of buff Leghorns, Rocks, Wyandottes, Cochins. These birds will be sold at \$1.00 each if taken at once. A number of imported cock birds at \$2.00 a snap. No culls at any price. If not satisfied money refunded. A. D. Stewart, Galt, Ont.

For Sale—Silver Wyandottes, white Wyandottes, Plymouth Rocks, March hatch cockerels and pullets, bred from my prize winners. Also "fine crushed oyster shells." W. H. Ulley, Victoria Square, Montreal. 100

A Fine Lot of barred and white Rocks, also other varieties of fowl only \$1.00 each. Come quick W. W. Reid, Ayr, Ont. 100

For Sale—Buff, barred and white Rocks, black Minorcas, including some prize winners. Will sell cheap if taken at once to make room. Josiah McKay, Clachan, Ontario. 1299

Exhibition Birds For Sale.—All varieties of Minorcas, Wyandottes and Leghorns. Mead Bros., Constance, Ont.

For Sale.—Forty geese, sixty ducks, twenty brown Leghorns, fifty barred Rocks, five B. B. red Game cocks pair Indian Games, light Brahma cock (Felsch direct), golden Poland cock, pair black red Bantams. O'Brien & Colwell, Paris Station, Ont.

A few more N. C. black and golden Poland, Houdans, black and silver spangled Hamburgs, black Langshans, Aylesbury drake. Must sell for room. Wm. Carter, Constance, Ont.

For Sale.—White Minorcas, Abbott Bros. and Scott strain, single comb black Minorcas, black Langshan and white Rocks, from best strains, cheap if taken at once. Geo. E. Barclay, Poplar Hill, Ont.

For Sale.—Two black African cockerels (McNeill's strain), also a fine lot of R.C. brown Leghorns and silver laced Wyandottes. Prices low to make room. Satisfaction guaranteed or money refunded. Thos. McMillen, Asylum, London.

Bone Cutter.—Mann's new No. 4 for hand use, used one season, good as now, at a bargain; also a trio of the blue Andalusians. Cost a strain direct. Address Geo. Dowham, Wlsbeach P.O.

For Sale.—100 buff Rocks and Langshans. My buffs won 9 out of 11 prizes at the Western Fair. Breeders and exhibition birds for sale. T. H. Scott, St. Thomas, Ont. 100

Up-to-date Leghorns, pure white plumage Ontario winners, 5 grand cockerels at clearing prices S.S. Hamburgs; including 2nd cock, Mon treat, very cheap. W. H. Brethen & Son, Norwood, Ont.

For Sale.—Game and game Bantams in black, red, blue and duckwing. Partidge Cochins, dark Brahmas, Houdans, B. Minorcas, brown Leghorns, Plymouth Rocks, Wyandottes, high class birds. V. Bonneville, Danville, Que. 1200

Houdans and Dorkings.—A few good breeding birds for sale of each variety, both old and young. Write your wants. J. Lovegrove, Galt, Ont.

Still Bargains.—Homers \$1 per pair, 2 pair \$1, 4 pair \$1; pair Trumpeters \$1.50, pair Turbits \$3, pair Blue Owls (breeders) \$2, pair young fit for a show \$1, pair red \$1.50, buff Pekin Bants \$1 each, cockerel or pullet; pair Holstein Hares, with young \$2; young fancy tame mice fit to ship. Jas. McLaren, Stephen St., Owen Sound.

Emden Geese, Aylesbury Ducks, barred Plymouth Rock and black Minorca fowls for sale at reasonable prices. A. D. Harkness, Irena P.O., Ont.

Barred Rocks, White Rocks, S. C. B. Leghorns, white Wyandottes. All high class standard bred stock. Exhibition birds bred from winners, yearlings and chicks. Prices low, quality considered, satisfaction guaranteed. Write for catalogue of winnings and prices. A. Hill, Spruce Dale Poultry Yards, Wyoming, Ont. 200

For Sale.—Ground oyster shells 85 cents a hundred, also buff Wyandottes, old and young, cheap. C. A. Conlter, 9 Hadenhurst St., Toronto.

For Sale.—Ten Red Caphens, two pullets and one cockerel, many of which are prize winners. Also old and young stock in white Langshans, Cayuga ducks and golden Sebright Bantams. V. B. Powell, Guelph, Ont.

Great Bargain Sale of S.C. white and brown Leghorns, S.S. Hamburgs, and light Brahmas, all prize winning stock at the leading shows, 1899; Toronto; Woodbridge, Markham and others. Fifteen prizes in Leghorns alone. Frank Nighswander, Markham, Ont.

For Sale.—Cockerels and pullets, black Langshans, buff and barred Rocks, Indian game, black Minorcas. Some 1st prize birds in the stock, at \$1 each. C. W. Peters, Dresden, Ont.

100 birds for sale at half price, if taken this month. Brown and white Leghorns, barred Rocks, partridge Cochins, go den and silver Poland, and Houdans. First class stock; Satisfaction or your money back. Wilson & Son, East Oro.

Cockerels for Sale.—A few choice cockerels at reasonable prices from the following varieties: English imported Redcaps, Cornish Indian Game, white Plymouth Rocks. These birds have the size, plumage, shape, and well marked. G. W. Kinder, Strathroy, Can.

Domington Poultry yards have for sale white Cochins Bants, also Andalusians, old and young, and buff Leghorns (Barnea's stock, Battle Creek). Pullin & Kerr, Box 279, Galt, Ont.

For Sale.—Most of our prize winners and others in light and dark Brahmas, Dorkings, golden Wyandottes, I. game, H. Cochins, single and rose comb white and brown Leghorns, Poland, W. C. black, silver and golden Redcaps, silver and golden Sebright Bantams, Aylesbury, Rouen and Tekin ducks, bronze Turkeys, and Emden Geese. Look up our wins at Toronto, Kingston and Ottawa and write for wants to Wm. Stewart & Son, Menie, Ont.

I have for sale a lot of grand birds and must go to make room. Winners at the Industrial and Western Fairs. Golden and silver spangled Hamburgs, also G. and S. penciled and black; black and white Cochins, Poland all varieties, ornamental Bants all varieties, and one nice pair of partridge Cochins Bants fowl. Now if you want show birds write quick. Wm. McNeill, London Poultry Yards, London, Ont.

For Sale.—Twelve Minorca pullets, bred from Abbott cock, \$1 each. Quick sale. Also one cock, one pair B. R. Games \$3.00. R. C. Ferguson, G.T.R. Shops, Stratford, Ont. 100

For Sale.—1 white Minorca cock, 3 black Minorca cockerels, 3 brown Leghorn cockerels, 2 white Rock cockerels, 3 rose comb white Leghorn cockerels, some light Brahma pullets, 7 brown Leghorn hens, including first prize cockerel at Bowmanville. These are all prize stock and will sell cheap. Thomas J. Sheridan, Box 166, Oshawa, Ont.

Now is Your Chance.—I have for sale prize winning stock. Golden Wyandottes, S. S. Hamburgs, also some fine large Pekin drakes, no better, and Tumbler pigeons. At our last show we had eleven entries and took eleven prizes—eight first and 3 seconds. It has already been asked who is going to take the prize on Pekin ducks next fall. Why the man who has the best ducks, to be sure. Write your wants. Satisfaction guaranteed. W. J. Broughton, Newmarket, Ont.

For Sale—My entire stock of brown and black Leghorns, 20 birds, \$15.00, or in small lots very cheap. Also some good buff cockerels and Redcaps; one silver Dorking hen. Write for particulars. Wm. Wallace, Lakeshore, Ont.

Wyandottes.

Jas. Arthur, breeder of silver laced Wyandottes exclusively. My birds win wherever shown. Young birds for sale after September 1. Satisfaction guaranteed. James Arthur, 731 Lorne Ave., London, Ont. 100

Jacob Dorset, 563 Logan Ave., Toronto, breeder of S. L. Wyandottes. Stock for sale at all times, eggs in season, \$1.50 per 13, \$2.50 per 26. 11

Golden Wyandottes—A few choice cockerels and pullets for sale, bred from my Ontario and Industrial winners. J. H. Magill, Box 162, Port Hope, Ont.

Golden Wyandottes For Sale—Early hatched cockerels and pullets, good rich color, nicely laced. Write for prices, quality and price right. C. M. Taylor, Lyn, Ont.

W. Wyandotte Cockerels—A few good ones left, must be sold this month, \$2.00 to \$5.00. A few very fine year old hens, \$1.50 to \$2.00. Must have room. A few pullets from \$1.00 to \$3.00 each. W. J. Gordon, Pickering, Ont. 200

F. Wellington, breeder of white Wyandottes, eggs in season. Blackwell Station, Ont.

White Wyandottes—A few cocks at \$5.00 to \$10.00 each. Cockerels, good ones, any quantity at \$2.00, \$3.00 and \$5.00 each. Also pullets and yearling hens. Quality always right. Chas. Massie, Port Hope, Ont. 100